# पेटेंट कार्यालय
# शासकीय जर्नल

# OFFICIAL JOURNAL
# OF
# THE PATENT OFFICE


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**पेटेंट कार्यालय का एक प्रकाशन**
PUBLICATION OF THE PATENT OFFICE

# INTRODUCTION

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01st January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

(**Chaitanya Prasad**)
**CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS**

24th OCTOBER, 2014

# CONTENTS

**THE PATENT OFFICE**
**KOLKATA, 24/10/2014**
**Address of the Patent Offices/Jurisdictions**

**The following are addresses of all the Patent Offices located at different places having their Territorial Jurisdiction on a Zonal basis as shown below:-**

| | | | |
|---|---|---|---|
| 1 | Office of the Controller General of Patents,<br>Designs & Trade Marks,<br>Boudhik Sampada Bhavan,<br>Near Antop Hill Post Office,S.M.Road,Antop Hill,<br>Mumbai – 400 037<br><br>Phone: (91)(22) 24123311,<br>Fax : (91)(22) 24123322<br>E-mail: cgpdtm@nic.in | 4 | The Patent Office,<br>Government of India,<br>Intellectual Property Rights Building,<br>G.S.T. Road, Guindy,<br>Chennai – 600 032.<br><br>Phone: (91)(44) 2250 2081-84<br>Fax : (91)(44) 2250 2066<br>E-mail: chennai-patent@nic.in<br>❖ The States of Andhra Pradesh, Karnataka, Kerala, Tamil Nadu and the Union Territories of Puducherry and Lakshadweep. |
| 2 | The Patent Office,<br>Government of India,<br>Boudhik Sampada Bhavan,<br>Near Antop Hill Post Office,S.M.Road,Antop Hill,<br>Mumbai – 400 037<br>Phone: (91)(22) 24137701<br>Fax: (91)(22) 24130387<br>E-mail: mumbai-patent@nic.in<br>❖ The States of Gujarat, Maharashtra, Madhya Pradesh, Goa and Chhattisgarh and the Union Territories of Daman and Diu & Dadra and Nagar Haveli | 5 | The Patent Office (Head Office),<br>Government of India,<br>Boudhik Sampada Bhavan,<br>CP-2, Sector –V, Salt Lake City,<br>Kolkata- 700 091<br><br>Phone: (91)(33) 2367 1943/44/45/46/87<br>Fax: (91)(33) 2367 1988<br>E-Mail: kolkata-patent@nic.in<br><br>❖ Rest of India |
| 3 | The Patent Office,<br>Government of India,<br>Boudhik Sampada Bhavan,<br>Plot No. 32., Sector-14, Dwarka,<br>New Delhi – 110075<br>Phone: (91)(11) 2808 1921 – 25<br>Fax: (91)(11) 2808 1920 & 2808 1940<br>E.mail: delhi-patent@nic.in<br>❖ The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan, Uttar Pradesh, Uttaranchal, Delhi and the Union Territory of Chandigarh. | | |

**Website: www.ipindia.nic.in**
**www.patentoffice.nic.in**

**All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 and The Patents (Amendment) Act, 2005 or by the Patents (Amendment) Rules, 2006 will be received only at the appropriate offices of the Patent Office.**

**Fees: The Fees may either be paid in cash or may be sent by Bank Draft or Cheques payable to the Controller of Patents drawn on a scheduled Bank at the place where the appropriate office is situated.**

# पेटेंट कार्यालय

## कोलकाता, दिनांक 24/10/2014

## कार्यालयों के क्षेत्राधिकार के पते

विभिन्न जगहों पर स्थित पेटेंट कार्यालय के पते आंचलिक आधार पर दर्शित उनके प्रादेशिक अधिकार क्षेत्र के साथ नीचे दिए गए है:-

| | | | |
|---|---|---|---|
| 1 | कार्यालय : महानियंत्रक, एकस्व, अभिकल्प<br>तथा व्यापार चिह्न,<br>एंटोप हिल डाकघर के समीप,<br>एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037, भारत,<br>फोन: (91) (22) 24123311<br>फ़ैक्स: (91) (22) 24123322<br>ई. मेल: cgpdtm@nic.in | 4 | पेटेंट कार्यालय, भारत सरकार<br>इंटेलेक्चुअल प्रॉपर्टी राइट्स बिल्डिंग, इंडस्ट्रियल इस्टेट<br>एसआईडीसीओ आरएमडी गोडाउन एरिया<br>एडजसेन्ट टु ईगल फ्लास्क, जी. एस. टी. रोड, गायन्डी<br>चेन्नई - 600 032.<br>फोन: (91)(44) 2250 2081-84<br>फ़ैक्स: (91)(44) 2250-2066<br>ई. मेल: chennai-patent@nic.in<br>❖ आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु तथा पुडुचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र, लक्षदीप |
| 2 | पेटेंट कार्यालय, भारत सरकार<br>बौद्धिक संपदा भवन,<br>एंटोप हिल डाकघर के समीप,<br>एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037,<br>फोन: (91) (22) 24137701<br>फ़ैक्स: (91) (22) 24130387<br>ई. मेल: Mumbai-patent@nic.in<br>❖ गुजरात, महाराष्ट्र, मध्य प्रदेश, गोवा तथा छत्तीसगढ़ राज्य क्षेत्र एवं संघ शासित क्षेत्र, दमन तथा दीव, दादर और नगर हवेली. | 5 | पेटेंट कार्यालय, भारत सरकार<br>कोलकाता, (प्रधान कार्यालय)<br>बौद्धिक संपदा भवन,<br>सीपी-2, सेक्टर- V, साल्ट लेक सिटी,<br>कोलकाता-700 091, भारत.<br>फोन: (91)(33) 2367 1943/44/45/46/87<br>फ़ैक्स:/Fax: (91)(33) 2367 1988<br>ई. मेल: kolkata-patent@nic.in<br>❖ भारत का अवशेष क्षेत्र |
| 3 | पेटेंट कार्यालय, भारत सरकार<br>बौद्धिक संपदा भवन,<br>प्लॉट सं. 32, सेक्टर- 14, द्वारका, नई दिल्ली- 110 075.<br>फोन: (91)(11) 2808 1921-25<br>फ़ैक्स: (91)(11) 2808 1920, 2808 1940<br>ई. मेल: delhi-patent@nic.in<br>हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,<br>पंजाब,राजस्थान, उत्तर प्रदेश, दिल्ली तथा उत्तरांचल राज्य क्षेत्रों, एवं संघ शासित क्षेत्र चंडीगढ़ | | |

वेबसाइट: http://www.ipindia.nic.in
www.patentoffice.nic.in

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 2005 अथवा पेटेंट (संशोधन) नियम, 2006 द्वारा वांछित सभी आवेदन, सूचनाए, विवरण या अन्य दस्तावेज़ या कोई शुल्क पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में स्वीकृत होंगे।

शुल्क: शुल्क या तो नगद रूप में या Controller of Patents के नाम में देय बैंक ड्राफ्ट या चेक के द्वारा भेजी जा सकती है जो उसी स्थान के किसी अनुसूचित बैंक में प्रदत्त हो जहाँ उपयुक्त कार्यालय स्थित है ।

# SPECIAL NOTICE

## 18 Months publication as required under Section 11A of the Patents Act, 1970 as amended by the Patents (Amendment) Act, 2005.

Notice is hereby given that any person at any time before the grant of Patent may give representation by way of opposition to the Controller of Patents at appropriate office on the ground and in a manner specified under section 25(1) of the Patents (Amendment) Act, 2005 read with Rule 55 of the Patents (Amendment) Rules, 2006.

Notice is also given that if any interested person requests for copies of the complete specification, drawing and abstract of any application already published, the photocopy of the same can be supplied by the Patent Office as per the jurisdiction on payment of prescribed fees of Rs.8/- per page. If any further details are required to be obtained, the same can be provided by the respective Patent Offices on request.

(**Chaitanya Prasad**)
**CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS**

## SPECIAL NOTICE

Under the new provision of the Patents Act, 1970 as amended by the Patents (Amendment) Act, 2005 and Rules there under, Publication of the matter relating to Patents in the Official Gazette of India Part III, Section 2 has been discontinued and instead The Official Journal of the Patent Office is being published containing all the activities of The Patent Office such as publication of all the patent applications after 18th months , grant of patents & all other information in respect of the proceedings as required under the provisions of the Patents (Amendment) Act, 2005 and Rules thereunder on weekly basis on every **Friday**.

The Journal is uploaded in the website every Friday. So Paper form and CD-ROM form of the Journal are discontinued from 01/01/2009.

## SPECIAL NOTICE

Every effort is being taken to publish all the patent applications under section 11(A) of the Patents Act. However, if duplication of publication of any application is found, then earlier date of publication will be taken for the purpose of provisional protection for applicant and Patent Office will grant Patent not before six months from the date of second publication, provided that there is there is no third party representation.

## Early Publication:

**The following patent applications have been published under section 11A (2) of The Patents (Amendment) Act 2005 and rule 24A of The Patents (Amendment) Rules, 2006. Any person may file representation by way of opposition to the Controller of Patents at the appropriate office against the grant of the patent in the prescribed manner under section 25(1) of the Patents (Amendment) Act 2005 read with the rule 55 of The Patents (Amendment) Rules, 2006:**

(12) PATENT APPLICATION PUBLICATION
(21) Application No.1414/DEL/2014 A
(19) INDIA
(22) Date of filing of Application :28/05/2014
(43) Publication Date : 24/10/2014

(54) Title of the invention : COMPOSITION FOR ANTI GLARE EFFECT

(51) International classification :C09D7/12
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)Chanderhas Sharma**

(57) Abstract :
Present invention relates to a composition for coating on a reflective surface to reduce glare effect. More particularly, the present invention provides a chemical composition comprising an alcohol, isopropyl alcohol, citric acid, coconut oil and linseed oil.

No. of Pages : 8 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/05/2013

(21) Application No.1637/DEL/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PORTABLE OXYGEN GENERATOR

(51) International classification :A62B7/08
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)AMAL KISHOR KANOO**

(57) Abstract :
A portable oxygen generator is disclosed. The portable oxygen generator comprises a multilayered container to accommodate a chemical oxygen candle therein. A filter pack is provided around the chemical oxygen candle such that to filter oxygen generated by decomposition of the chemical candle. An oxygen flow passage is provided around the filter pack such that to allow passage to the oxygen flow there through. A percussion cap adapted to be fired by a percussion cap firing pin is provided centrally at top end of the container to ignite the chemical oxygen candle. An oxygen supply pipe is provided at bottom end of the container so as to supply oxygen to a user.

No. of Pages : 14 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/06/2014

(21) Application No.1725/DEL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SYNERGISTIC ANTIMICROBIAL COMPOSITION OF ZINC PYRITHIONE

(51) International classification :A01N59/16
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)AGARWAL, ASHUTOSH**
**2)SHARMA, VINEET**

(57) Abstract :
The present invention discloses synergistic antimicrobial composition comprises zinc pyrithione and a zinc salt of pyridine carboxylic acid.

No. of Pages : 28 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/08/2014

(21) Application No.2180/DEL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : AUTOMATIC MULTI-COLOR DISPLAY IN VEHICLE INFORMATION DISPLAY INSTRUMENT.

(51) International classification :G09F13/18
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)SINGH RAJESH**
**2)SHARMA ARUN KUMAR**
**3)KUMAWAT DEEPAK**
**4)YADAV PANKAJ**

(57) Abstract :
The present subject matter relates to an automatic multi colour vehicle information display instrument in two wheelers that include an electrical ignition switch for supplying a required voltage to a microcontroller via an ignition detecting circuit and a light dependent resistor for capturing the intensity of ambient light to subsequently supply to the microcontroller via an intensity detecting circuit. This circuit of the vehicle information display instrument is also provided with atleast two analog to digital converters for converting the respective voltage received from the ignition detecting circuit and the intensity detecting circuit to binary codes identified by the microcontroller. The present subject matter discloses that the vehicle information display instrument is also provided with atleast three pulse width modulation generators for generating required pulse width modulated signals in terms of duty cycle of atleast one of the primary colours to be generated. These generated pulses are subsequently supplied, via atleast three LED driving circuits acting as transistor switch, that actuate the corresponding RGB LED(s) for respective colour for illumination on a negative LCD provided with the vehicle information display instrument.

No. of Pages : 18 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/08/2014

(21) Application No.2391/DEL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DYED TEXTILE PRODUCTS.

(51) International classification :D06P5/22
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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Address of Applicant :16, Samaj Kalyan Apartments, Vikas Puri, Delhi. India
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**1)Sandhya Singh**

(57) Abstract :
A dyed textile article including raw fibre, yarn,woven fabrics, knitted fabrics, nonwoven fabrics pre-treated with natural components like lemon water, reetha or vinegar in the ratio of 1/20 (bleaching agent/weight of cloth); treated with treating component like tannic acid ; dyed with the extracts of the herbs wherein the raw fibre, yarn, knitted/ non-woven textile article is blended with the herbs and; wherein the herbal extract is commingled ,stuffed between the raw fibres of the textile article or the yarn and; the said raw fibre/yarn is used for preparing textile articles wherein the said raw fibre is carefully and hygienically stuffed in between the layers of the textile article; wherein the said raw fibre / yarn is capable of providing health benefits along with feel and hue of the naturally dyed textile articles.

No. of Pages : 12 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/09/2013

(21) Application No.2895/DEL/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SYSTEM AND METHOD FOR SECURE ELECTRONIC PAYMENT TRANSACTION

(51) International classification :G06Q30/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)RASHI MATHUR**

(57) Abstract :
Exemplary embodiments of the present disclosure are directed towards a system and method for marketing and purchasing multiple products of multiple vendors on a single medium and secure electronicpayment transaction. The system comprising a mobile communication device configured with an application platform, wherein the application platform is configured to (a) scan at least one unicode associated to at least one product of at least one vendor listed on a physical medium for extracting a plurality of details associated with the product, (b) enable the user to search for the at least one product (c) enable a user to purchase at least one product by scanning a payment card details in a single electronic transaction (d) enable at least vendor to upload at least one product; anda server for generating the unicode for the at least one product uploaded by the at least one vendor, whereby the unicode comprising alphanumeric characters combination of an associate code of the at least one vendor and product details.

No. of Pages : 32 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2013

(21) Application No.2970/DEL/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SURGICAL ROBOTIC SYSTEM AND METHOD

(51) International classification :A61B19/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)SUDHIR PREM SRIVASTAVA**

(57) Abstract :
The disclosure is directed to a medical robotic system and method for releasably securing a medical instrument over a modular support assembly that is further removably coupled to the manipulating arm via an intermediate fastening component. The medical instrument is configured for delivery through a small percutaneous penetration in a patient as it slides over the modular support assembly, independent of the manipulating arm. The robotic system further includes a simplified draping mechanism including covering the manipulating arm up to the fastening component thereby obviating the need for extensive sterile drape that extends all over the arm up to the support interface and the cannula holding assembly in existing art. Advantageously, the present invention allows for a quick and simple installation while allowing for free rotary motion of the support assembly.

No. of Pages : 24 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/05/2013

(21) Application No.4208/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : GALACTOSE CLUSTER PHARMACOKINETIC MODULATOR TARGETING MOIETY FOR SIRNA

(51) International classification :C12N15/11,C07H21/04
(31) Priority Document No :61/424195
(32) Priority Date :17/12/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/065210
Filing Date :15/12/2011
(87) International Publication No :WO 2012/083046
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)HOFFMAN Torsten**
**3)KITAS Eric**
**4)MOHR Peter**
**5)ROEHL Ingo**
**6)VALIS Linda**
**7)ROZEMA David B.**
**8)LEWIS David L.**
**9)WAKEFIELD Darren H.**

(57) Abstract :
The present invention is directed compositions for targeted delivery of RNA interference (RNAi) polynucleotides to cell in vivo. The pharmacokinetic modulator improve in vivo targeting compared to the targeting ligand alone. Targeting ligand pharmacokinetic modulator targeting moiety targeted RNAi polynucleotides can be administered in vivo alone or together with co targeted delivery polymers.

No. of Pages : 102 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/05/2013

(21) Application No.4209/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : IN VIVO POLYNUCLEOTIDE DELIVERY CONJUGATES HAVING ENZYME SENSITIVE LINKAGES

(51) International classification :A61K48/00,C07C69/96,C08G63/91
(31) Priority Document No :61/427936
(32) Priority Date :29/12/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/067588
Filing Date :28/12/2011
(87) International Publication No :WO 2012/092373
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**11)MUELLER Hans Martin**
**12)OTT Guenther**
**13)BLOKHIN Andrei V.**
**14)CARLSON Jeffrey C.**
**15)BENSON Jonathan D.**

(57) Abstract :
The present invention is directed compositions for delivery of RNA interference (RNAi) polynucleotides to cells in vivo. The compositions comprise amphipathic membrane active poiyamines reversibly modified with enzyme cleavable dipeptide amidobenzyl carbonate masking agents. Modification masks membrane activity of the polymer while reversibility provides physiological responsiveness. The reversibly modified polyamines (dynamic polyconjugate or DPC) are further covalentiy linked to an RNAi polynucleotide or co administered with a targeted RNAi polynucleotide targeting molecule conjugate.

No. of Pages : 99 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/05/2013

(21) Application No.4554/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PEPTIDE BASED IN VIVO SIRNA DELIVERY SYSTEM

(51) International classification :A61K31/713,A61P1/16,A61P35/00
(31) Priority Document No :61/424191
(32) Priority Date :17/12/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/065525
Filing Date :16/12/2011
(87) International Publication No :WO 2012/083185
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**10)JAHN HOFMANN Kerstin**
**11)MUELLER Hans Martin**
**12)OTT Guenther**
**13)BLOKHIN Andrei V.**
**14)BENSON Jonathan D.**
**15)CARLSON Jeffrey C.**

(57) Abstract :
The present invention is directed compositions for targeted delivery of RNA interference (RNAi) polynucleotides to hepaiocytes . Targeted RNAi polynucleotides are administered together with co targeted me!ittm dehvery peptides. Dehvery peptides provide membrane penetration faction for movement of the RNAi polynucleotides from outside the cell to inside the cell. Reversible modification provides physiological responsiveness to the delivery peptides.

No. of Pages : 91 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/07/2014

(21) Application No.2022/DEL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SAFETY DEVICE.

(51) International classification :G06F21/62
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)SINGH, CHARAN PAL**

(57) Abstract :
The present invention discloses a personal safety system for providing real-time support with precise information for efficient resolution of security problem. The personal safety system includes atleast one user unit, a primary controlling unit, a secondary controlling unit, and a service unit. The user unit may include a plurality of modules such as a primary button module, a secondary button module, a location module, a media module, and a mapping module. The user unit may activate the primary button module in case of any emergency. The location module, the media module, the mapping module collect various information and forward to the primary controlling unit along with the request. The primary controlling unit receives the request. The primary controlling unit may verify and forward the request to the secondary controlling unit of the concerned help/authorify. The secondary controlling unit may inform the team of the help/authority.

No. of Pages : 22 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/08/2014

(21) Application No.2256/DEL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : WOODEN COMPUTER CASING

(51) International classification :B44C1/175
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)BHUPINDER KUMAR**

(57) Abstract :
The WAIO (Wood All in one) is a desktop computer casing design made of wooden material, which holds the display and other components of the regular Desktop PC. The main body of PC is made of the wooden material. The wooden body itself wor.ks as a stand, both sides fixed with the front frame and back cover of case locked with both sides, even back cover fixed with the main frame of the PC casing. Display slides from the top or either fix from the front locking frame of the wood. Both sides cover of the casing attached/fixed with the front main frame. Right hand side covers of the PC casing has interface spae for motherboard face plate and also for motherboard add on card interface and left hand side hold power connector, buttons and DVD writer etc... Invented PC casing holds the regular desktop motherboard behind the display as assembled in traditional desktop cabinet and fixed with right side cover panel of the casing for the interface of connectors/ports, PCl and PClE slots.

No. of Pages : 17 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/07/2014

(21) Application No.1968/DEL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DISPOSABLE PRE-FILLED SYRINGE

(51) International classification :A61M5/315
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)PEI-YANG HSU**
**3)WEI-NI HSU**
(72)**Name of Inventor :**
**1)PEI-HSIN HSU**
**2)PEI-YANG HSU**

(57) Abstract :
A disposable pre-filled syringe has a protecting tube (10), a medication filling tube (20), a separating plug (30), a pushing module (40), and a needle module (50). The medication filling tube (20) is made of material stable in chemical property and is mounted in the protecting tube (10). The separating plug (30) is mounted in an end of the medication filling tube (20). The pushing module (40) is slidably inserted into the medication filling tube (20) opposite to the separating plug (30). The needle module (50) is mounted on an end of the protecting tube (10).

No. of Pages : 42 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2014

(21) Application No.581/DEL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SHELF STABLE PICKLED KALARI

(51) International classification :A23C19/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)KUMAR SUNIL**
(72)**Name of Inventor :**
**1)BHAT ZUHAIB FAYAZ**
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(57) Abstract :
This invention is for the shelf stable pickled Kalari and the method for producing the shelf stable pickled Kalari. Said product comprises from about 25 to about 45 percent by weight of edible oil, from about 10 percent to about 25 percent by weight of condiments mixture, from about 2 to about 4 percent by weight of spice mixture, from about 2 to about 3 percent by weight of edible common salt, from about 0.5 to about 1 percent by weight of sugar, from about 0.2 to about 10 percent by weight of an edible organic acid, and up to 60 percent by weight of Kalari.

No. of Pages : 12 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/08/2014

(21) Application No.2332/DEL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A NOVEL A-SILICON/POLYCARBAZOLE ORGANIC SCHOTTKY DIODE (OSD) AND THE METHOD OF FABRICATION THEREOF

(51) International classification :H01L29/20
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)P. Chakrabarti**
**2)Aditi Srivastava**

(57) Abstract :
The invention generally discloses a novel Organic Schottky Diode (OSD) and the method of its fabrication. The invention discloses the fabrication of an amorphous Silicon/Polycarbazole Organic Schottky Diode, particularly with configuration a-Si/p-PCz/ITO, wherein in the said novel Schottky diode amorphous silicon (a-Si) contact has been used in place of a conventional metal contact on the semiconducting polymer to form a rectifying contact.

No. of Pages : 18 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/08/2014

(21) Application No.2426/DEL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MORTISE LOCK LATCH ASSEMBLY

(51) International classification :E05C5/04
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)VARSHNEY, Sanjay Kumar**

(57) Abstract :
A simple and compact latch assembly for a mortise lock primarily comprises a lever arrangement with the lever having two angularly displaced arms, the arms being capable of actuating and operating a latch member to cause a switch between an engaged state and a disengaged state upon pressing or releasing of a push member embodied within gripping means of the mortise lock.

No. of Pages : 16 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/09/2014

(21) Application No.2517/DEL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A FIREWORK IGNITER

(51) International classification :F42B4/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)ASHISH AGARWAL**

(57) Abstract :
A firework igniter, comprising a housing,a slot provided within the housing for positioning the firework, an igniting element positioned proximally to the slot and a trigger connected to the igniting element.

No. of Pages : 14 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/10/2013

(21) Application No.2906/DEL/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : TELE-ROBOTIC SURGICAL ROBOT SYSTEM AND METHOD.

(51) International classification :A61B19/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)SUDHIR PREM SRIVASTAVA**

(57) Abstract :
The disclosure is directed to a robotic surgical system comprising the robotic arm, a modular surgical instrument holding device that releasably secures a surgical instrument thereupon, to perform the medical procedures. The holding device has slidably disposed thereupon a surgical instrument holder configured to be driven by a drive unit that coordinates movements between the robotic arm and the surgical instrument to enable instrument reach the operating site.

No. of Pages : 16 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/02/2014

(21) Application No.508/DEL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : POLYMERIC LAMINATE FOR POTABLE WATER POUCH AND POUCH MADE THEREOF

(51) International classification :B01L
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)CHATURVEDI, ASHOK**

(57) Abstract :
A laminate comprising a first film of Matt Polyethylene Terephthalate (PET) adhered to a second film of a polyolefin polymer, and an ultraviolet stabilizer/additive dispersed in the second film and a pouch for packaging potable water made up of such a laminate. Inhibition/absorption of UV radiations by the UV stabilizer/additive in the laminate for the packaging of potable water in pouch increases manifold thereby keeping the water safe for drinking and free from any contamination for a longer shelf life.

No. of Pages : 13 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/02/2014

(21) Application No.509/DEL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : POLYMERIC LAMINATE FOR PORTABLE WATER POUCH AND MADE THEREOF

(51) International classification :B01L
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)CHATURVEDI, ASHOK**

(57) Abstract :
A laminate comprising a first layer of Polyethylene Terephthalate (PET), an Ultraviolet additive dispersed in the first layer, an adhesive, and a second layer of Polyethylene (PE) adhered to the first layer using the adhesive and a pouch for packaging potable water made up of such a laminate. Inhibition/absorption of UV radiations by the UV stabilizer/additive in the laminate for the potable water pouch increases manifold thereby keeping the water safe for drinking and free from any contamination for a longer shelf life.

No. of Pages : 12 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/08/2014

(21) Application No.2346/DEL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A METHOD FOR ACTIVATING A SIM CARD AND OBTAINING BALANCE IN REAL-TIME.

(51) International classification :H04B1/38
(31) Priority Document No :14105088.6
(32) Priority Date :29/05/2014
(33) Name of priority country :Hongkong(China)
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)CHAN, Kam Cheong**
**2)LEUNG, Tak Kit**

(57) Abstract :
A method for activating a SIM card and obtaining balance in real-time, comprising the following steps: the user obtains a SIM card andinserts the SIM card in a mobile communication device; after starting the device,it interface automatically displays the prompting message for registration and activation, and the user completes the registration and activates the SIM card. In the meantime, a preset application program is installed on the SIM card mobile communication device, and theuser forms operating record by starting the preset application program. After having received the operating record, a remote server matches the information of the balance to be obtained and sends the instruction to the docking server of telecommunication provider. The docking server firstly verifies the identity validity of service provider, then adjusts the balance of SIM card in real-time and feeds back the balance to the remote server and the remote server feeds back the balance to the user. The present invention is simple and easy to operate, so that both the young people with higher knowledge level and the middle-aged and aged people who lack foreign language ability can realize operation and activate SIM card, and thus more conveniently obtain balance and peripheral information.

No. of Pages : 18 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/07/2014

(21) Application No.1967/DEL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A NEEDLE PROTECTIG MODULE OF AN INJECTING DEVICE AND AN INJECTION DEVICE WITH A NEEDLE PROTECTING MODULE

(51) International classification :A61M5/19
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)HSU, PEI-HSIN**
**2)HSU, PEI-YANG**
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(57) Abstract :
A needle protecting module of an injection device in connecting with a syringe (2) has a needle base (22), a needle body (23), a tube module (3), a mounting tube (4), an elastic unit (5), and a stopping unit (6). The syringe (2) has a tube body (20) and an axis. The needle body (23) transfixes the needle base (22) and communicates with the tube body (20) for medication injection. The needle base (22) is removably engaged with the tube body (20) and bearing the needle protecting module is transfixed by the needle body (23). The tube module (3) is mounted around the needle base (22) and has an annular space (30). The mounting tube (4) is movably inserted into the annular space (30). The elastic unit (5) is mounted in the annular space (30) and abuts both the mounting tube (4) and the needle base (22) bilaterally. The stopping unit (6) is moveably mounted in the annular space (30) and is selectively engaged with the mounting tube (4).

No. of Pages : 51 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/09/2014

(21) Application No.2797/DEL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SYSTEMS AND METHODS FOR FACILITATING FINANCIAL TRANSACTIONS BY UTILIZING ELECTRONIC COMMUNICATION DEVICE

(51) International classification :G06Q20/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)ASHISH KUMAR JAIN**
**2)MOHIT BATRA**

(57) Abstract :
An electronic system for facilitating one or more financial transactions between a payee and a payer by utilizing one or more electronic communication devices connected to a communication network includes a wireless financial transaction server in communication with the communication network, a payer device connected to the wireless financial transaction server via the communication network, and, a financial transaction application running on the payer device for transmitting the payment instructions received from the payer for facilitating the financial transaction between the payee and the payer to the wireless financial transaction server.

No. of Pages : 32 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/09/2014

(21) Application No.7655/DELNP/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DEVICE AND METHOD FOR MONITORING AND CHECKING MANUAL LUBRICATION

(51) International classification :F16N29/02,F16N29/04,G01F11/00
(31) Priority Document No :2012/0164
(32) Priority Date :13/03/2012
(33) Name of priority country :Belgium
(86) International Application No :PCT/EP2013/055075
Filing Date :13/03/2013
(87) International Publication No :WO 2013/135742
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**3)BELLIER Pierre**
**4)LAURENT Philippe**
**5)WAROUX Pascal**
**6)EL HALIMI Rachid**
**7)DARIMONT Eric**

(57) Abstract :
The present invention relates to a device for monitoring and checking manual lubrication for a system having at least one lubrication point (12) said device including: a means (4 11) for identifying said lubrication point (12); a means (8) for measuring the amount of lubricant injected; and a means (9) for determining whether the injected lubricant has in fact been conveyed to the lubrication point (12) said means comprising a pressure sensor and/or an ultrasonic sensor.

No. of Pages : 18 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/09/2014

(21) Application No.7868/DELNP/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SURFACE COATED ALUMINUM CONTAINING GALVANIZED STEEL SHEET AND METHOD FOR PRODUCING SAME

| | |
|---|---|
| (51) International classification | :B32B15/08,C23C 26/00 |
| (31) Priority Document No | :2012042026 |
| (32) Priority Date | :28/02/2012 |
| (33) Name of priority country | :Japan |
| (86) International Application No | :PCT/JP2013/001203 |
| Filing Date | :28/02/2013 |
| (87) International Publication No | :WO 2013/128928 |
| (61) Patent of Addition to Application Number | :NA |
| Filing Date | :NA |
| (62) Divisional to Application Number | :NA |
| Filing Date | :NA |

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**3)OYOKAWA Hiroyuki**
**4)YONETANI Satoru**
**5)KANAI Hiroshi**
**6)SHIMODA Nobuyuki**
**7)OURA Ichiro**
**8)KIKUCHI Hitoshi**

(57) Abstract :
This surface coated aluminum containing galvanized steel sheet is obtained by forming a composite coating film that contains a water dispersible resin (A) and a cobalt compound (B) by applying an aqueous surface treatment agent which contains the water dispersible resin (A) the cobalt compound (B) and water and has a pH within the range of 7.5 10 to a plated steel sheet and drying the agent thereon. The constituent ratio by mass of the water dispersible resin (A) in the composite coating film is 90% or more. The dry mass of the composite coating film per one surface of the plated steel sheet is within the range of 0.5 3.5 g/m.

No. of Pages : 52 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/12/2013

(21) Application No.3559/DEL/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : AIR-BREAK FULL LOAD BREAK SWITCH

(51) International classification :H01H33/04
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)Ankit Saboo**
**2)Anil Kumar Saboo**

(57) Abstract :
The Present invention is related to Full load break system using only air for insulation or interruption purpose. A system for full load break switch comprising three phases installed on one base and joint together with one inter phase drive shaft to ensure synchronous closing and opening of the three phases, insulators of high strength, driving shaft, opening shaft,a mechanical stopper connected nearest to the end of the opening shaft, operating insulators fitted on a drive shaft, moving contacts, terminal pads, spring mechanism, an actuator, an arc returning ring, an arcing chamber.

No. of Pages : 41 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/09/2014

(21) Application No.7542/DELNP/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ROTARY WRAPPING MACHINE FOR PACKAGING OBJECTS

(51) International classification :B65B11/02,H02J17/00
(31) Priority Document No :MI2013A000234
(32) Priority Date :20/02/2013
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2014/058853
Filing Date :07/02/2014
(87) International Publication No :WO 2014/128587
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)MESSERSI Maurizio**

(57) Abstract :
A rotary wrapping machine (30 110) for packaging products by means of a film unwound from a reel comprises a frame (13 113) carrying a dispensing unit ( 19 119) which is electrically controlled to dispense the packaging film from a reel of film present in the dispensing unit (19 119). The dispensing unit is supported on the frame so as to be driven rotationally along a closed path around a packaging zone (38 138) which contains a product to be wrapped with the film. Along the closed path there is a power supply antenna (25 125) which is connected to an antenna power supply unit (26 126) for transferring by means of electrical induction electric power to a corresponding receiver (28 128) which is movable along the antenna together with the said dispensing unit and which supplies in turn electric power to the dispensing unit.

No. of Pages : 23 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/10/2014

(21) Application No.8207/DELNP/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR HOT ROLLING Z SECTIONS SHEET PILES

(51) International classification :B21B1/082
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/IB2012/000658
Filing Date :02/04/2012
(87) International Publication No :WO 2013/150324
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)HERMES Aloyse**
**2)ROBINET Fran§ois**

(57) Abstract :
A method for rolling a Z section sheet pile comprises rolling a curved preform of a web (16) in successive roll gaps defined by at least one roll pair comprising a grooved upper roll (26) and a grooved lower roll (28) wherein: a first corner (18) and an adjoining first part of the curved preform of the web (16) are formed in a first groove (42) of an upper roll (26); and a second corner (20) and an adjoining second part of the curved preform of the web (16) are formed in a first groove (46) of a lower roll (28). In the last roll gaps forming the curved preform of the web (16) the diameter of the lower roll (28) decreases in a discontinuous manner in the interval between the first groove (42) in the upper roll (26) and the first groove (46) in the lower roll (26) and the diameter of the upper roll (26) increases in this interval in a complementary manner.

No. of Pages : 37 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/06/2014

(21) Application No.2774/CHE/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A SYSTEM AND METHOD FOR EXAMINING PROPERTY RECORD DOCUMENTS

(51) International classification :g06q
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)GADE SRINIVASA RAO,**

(57) Abstract :
Exemplary embodiments of the present disclosure are directed towards a system and method for examining property record documents. The system includes a legal document verification unit configured to verify one or more legal documents corresponding to a property of a user. A legal validity providing unit configured to provide one or more legal validities to the property and provide required services to the user of the property and a refundable unit configured to provide a compensation paid to the user for rebounding the verified legal documents by the legal document verification unit.

No. of Pages : 15 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/09/2014

(21) Application No.4833/CHE/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SYSTEMS AND METHODS FOR PROVIDING RECOMMENDATIONS TO OBFUSCATE AN ENTITY CONTEXT

(51) International classification :g06q
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)AKBAR ABDULMALIK LADAK**
**2)SREEVIDYA KHATRAVATH**
**3)AKASH GUPTA**

(57) Abstract :
Systems and methods for providing recommendations to obfuscate an entity context in a sensory environment are described. In one implementation, the method comprises receiving entity data and sensory environment data from a plurality of sources. Further, the method comprises analyzing the entity data to obtain categorized entity data. The categorized entity data comprises a plurality of features indicating characteristics of the entity context. Further, the method comprises analyzing the sensory environment data to obtain categorized sensory environment data. Further, the method comprises determining a correlation score for each of the plurality of features by correlating the categorized entity data and the categorized sensory environment data. Further, the method comprises recommending at least one of the plurality of features, based on the correlation score, to obfuscate the entity context in the sensory environment.

No. of Pages : 29 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2014

(21) Application No.4990/CHE/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ANTIASTHMA, PHYTOCHEMICAL AND ISOLATION OF COMPOUND FROM EVOLVULUS ALSINOIDES

(51) International classification :a61k36/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)MR. S. KUMARESAN**
(72)**Name of Inventor :**
**1)DR. A. ZAHIR HUSSAIN**
**2)MR. S. KUMARESAN**

(57) Abstract :
Use of plant based drugs and chemicals for curing various ailments and personal adornment is as old as human civilization. Plants and plant based medicines are the basis of many of the modern pharmaceuticals. The aim of the present study is finding out the bioactive chemical constituents and to evaluate the antiasthma activity of Evolvulus alsinoides. L medicinal plant extract. This study involves the preliminary phytochemical screening separation and Identification of compounds. The results reveal that the presence of phenols, tannins, saponins, pseudo tannins, flavonoids, saponins, glycosides, steroids, steroidal glycosides, terpenoids, and alkaloids were detected in the selected plant tested. The extract also was tested for antiasthma activity and shows significant activity.

No. of Pages : 4 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2014

(21) Application No.4991/CHE/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ANTICANCER, PHYTOCHEMICAL AND ISOLATION OF COMPOUND FROM IPOMOEA OBSCURA (L.) KER GAWL

(51) International classification :a61k36/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)MR. S. KUMARESAN**
(72)**Name of Inventor :**
**1)DR. A. ZAHIR HUSSAIN**
**2)MR. S. KUMARESAN**

(57) Abstract :
Cancer is a major public health burden in both developed and developing countries. Anticancer activity is the effect of natural and synthetic or biological and chemical agents to reverse, suppress or prevent carcinogenic progression. Several synthetic agents are used to cure the disease but they have their toxicity and hence the research is going on to investigate the plant derived chemotherapeutic agents. Plants are important source for exploring new product of medicinal value in view of various bioactive present in their plants. Ayurveda and other traditional medicinal system for the treatment of diabetes describe a number of plants used as herbal drugs. Hence, they play on important role as alternative medicine due to less side effects and low costs. Now a days these phytochemical constituents finds use as nutroceuticals that have long term health promoting or majar phytomedicinal compounds. Phytonutrients may serve as antioxidant properties and enhances the metabolism. Herbal medicines have been the highly esteemed source of medicine throughout the human history. They are widely used today indicating that herbs are a growing part of modern, high-tech medicine. The hydroalcoholic extract at oral dose of 200mg/kg body weight exhibited a significant ($p< 0.05$) changes in the levels of hematological profiles, ALT, SGOT, SGPT, total bilirubin and total protein and compared to DLA induced group. Thus it could be concluded that the hydroalcoholic extract of Ipomoea obscura possesses significant anticancer properties

No. of Pages : 4 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2014

(21) Application No.4995/CHE/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : BONUS ORIENTED KEY DELIVERABLE BASED CONTRACT MANAGEMENT FOR OPERATION & MAINTENANCE OF POWER PLANT

(51) International classification :g06q
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)KOLLURI AYYAPPA SASTRY**
**2)MEHRA ARVIND KUMAR**

(57) Abstract :
The proposed method/process/invention is an innovate process/method for awarding of contract for Operation & Maintenance contracts at Thermal Power plants ii. The process/method/invention ensures selection of professional & competent agencies for carrying out day to day operation and Maintenance of Thermal Power Plants iii. The process/method/invention successfully eliminates the entry of purely labour oriented and inefficient agencies on basis of false credentials and apparent low rates (in actual these turn out to be much higher due to sustained losses of generation over a long period and limited penalties/liquidated damages ) iv. The proposed method/process/invention envisages /clearly and unambiguously defines the key deliverables of the prospective Operation and Maintenance contractor/agency. v. The Prospective contractor/agency is encouraged to perform better so as to get Bonus as high as 10 to 15 % of its monthly fees. vi. This motivation helps the agency and its employees to perform better to achieve consistently the benchmarked performance and get Bonus. vii. This helps multifold the Owner/power plant to gain in performance both technically and commercially. The gain may be as high as 3 times the monthly fees of all O & M agencies put together. viii. The power plant owner can pass on the partial benefit of reduced Generation cost to the customer majority of which is common public. ix. Lower sale rate also helps other industries consuming power to reduce their operating costs and they in turn can pass on the benefit of lower cost of finished product to the common public. x. Higher generation also helps in higher returns and schedule refund of loan to investors/stake holders xi. This new invention/process is therefore overall win-win situation for contractor/owner/power consuming industry/lenders & investors and off course common public. s

No. of Pages : 53 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/09/2014

(21) Application No.4699/CHE/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : APPLICATION CLOUD SERVICE INTEGRATION STRESS TESTING FRAMEWORK

(51) International classification :g01r
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)Nishank Trivedi**

(57) Abstract :
Disclosed herein are a method and a system for testing an application with less number of real resources than required. A user emulation system is configured to communicate with a Device Under Test (DUT), and provide necessary user accounts required for testing the DUT. The user emulation system receives a request received from the DUT which is targeted to a user. Here, the user may be a virtual user in real sense. However, for the DUT, the virtual user may appear to be a real user. The user emulation system identifies a real/actual user who represents the virtual user with whom the DUT is trying to establish communication with, prepares a protocol communication channel between the DUT and the actual user identified, and establishes communication between the DUT and the real user.

No. of Pages : 26 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/09/2014

(21) Application No.4701/CHE/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : INTERNAL HYDRAULIC TELESCOPIC MAST

(51) International classification :f16l
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)N.VIJAY KUMAR**

(57) Abstract :
Exemplary embodiments of the present disclosure are directed towards an internal hydraulic telescopic mast. The internal hydraulic telescopic mast includes a plurality of pipes vertically elevated and clamped with a plurality of flanges, and a plurality of hydraulic cylinders for providing a pressure required for enabling at least one of: a vertical extension; and horizontal extension; of the plurality of pipes.

No. of Pages : 11 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2014

(21) Application No.4988/CHE/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SYSTEMS AND METHODS FOR DETERMINING DIGITAL DEGREES OF SEPARATION FOR DIGITAL PROGRAM IMPLEMENTATION

(51) International classification :g06f
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)RITESH KUMAR JAIN**

(57) Abstract :
This disclosure relates generally to enterprise software management, and more particularly to systems and methods for determining digital degrees of separation for digital program implementation. In one embodiment, a digital degrees of separation determination system is disclosed, comprising a hardware processor, and a memory storing instructions executable by the processor for obtaining user credentials, and determining a user classification based on the user credentials. The processor may execute the instructions for identifying a user digital need based on the user classification, and querying a database for market-available software applications related to the user digital need. Further, the processor may execute the instructions for obtaining a list of user-accessible software applications related to the user digital need, and comparing characteristics of the market-available software applications to the user-accessible software applications. Also, the processor may execute the instructions for calculating a digital degrees of separation based on the comparison.

No. of Pages : 37 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/10/2014

(21) Application No.5079/CHE/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD OF CONSTRUCTING A DETACHABLE VEENA

(51) International classification :f16k
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)BARADWAJ RAMAN**

(57) Abstract :
A method of constructing a detachable veena comprising of a removable yazhi, a removable surrakai and a kudam removable in part placed below the single mould instrument. The method further comprises of permanently fixed frets set on a fret board that is wax free and user friendly. The detachable veena is unique for its durability, portability and also weight factor. It is fully detachable and portable and designed for rough use with minimal chances of breakage.

No. of Pages : 20 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2014

(21) Application No.5023/CHE/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ONLINE OPERATIONS & MAINTENANCE MONITORING SYSTEM

(51) International classification :g06q
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)KOLLURI AYYAPPA SASTRY**
**2)MEHRA ARVIND KUMAR**

(57) Abstract :
The proposed method/process/invention is an innovative process/method for accessing and reviewing the real time data on performance of power plant ii. The process/method/invention ensures that no major deviation /happening escapes notice of senior management iii. The process/system/invention makes the operation & maintenance staff at site more alert & responsible as they are aware that top management is watching their performance. iv. At the same time Management can also appreciate any good save by the operation staff in terms of tripping, saving in precious raw inputs such as coal & water. v. Shall result in Increased sale/offtake of power by reducing the auxiliary consumption. vi. Shall result in Increased generation vii. Shall result in lower maintenance cost viii. Shall result in lower generation cost ix. Shall give Higher returns x. Has a potential to save cpres of rupees
8. Drawing/documents/attachments a) The annexure contains the following documents i. Architecture Annexure A ii. Annexures B to M

No. of Pages : 70 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/10/2014

(21) Application No.5093/CHE/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : LOCKING SYSTEM OF UNUSED BOREWELLS

(51) International classification :e21b
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**6)DR. N. RAJINI**
**7)DR. N.V. NEELAKANDHAN NAMPOOTHIRI**
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**3)M. VIGNESH**
**4)ANOOP VENUGOPALAN**
**5)S. MUTHURAM**
**6)DR. N. RAJINI**
**7)DR. N.V. NEELAKANDHAN NAMPOOTHIRI**

(57) Abstract :
Now a days bore well accidents are occurring frequently in India due to serious maintenance problems with bore wells. Unused bore wells are left open, when water is not available in the bore well. As a result, people, children and cattle fall into the unused bore wells and result in accidents and death. In order to avoid these accidents, we developed a device which locks the unused bore well. By using this locker we can avoid the accidents. As this device can be locked and unlocked easily, we can use the bore well when needed. So it is a not permanent lock. There are some devices which are used only for rescue operation and not for avoiding accidents. But the present device is better since it helps in avoiding the accidents.

No. of Pages : 9 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/09/2014

(21) Application No.4624/CHE/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : AUTOMATIC POWER GENERATION PROJECT

(51) International classification :f02n
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)KARUNANITHISURIYAPRAKASH**

(57) Abstract :
The invention discloses a method of Automatic power generation by use of a starter motor and Dynamos and Electric motors which are connected to each other by mechanical and electrical means. This arrangement enables power to be generated continuously and automatically even after the starter motor is stopped.

No. of Pages : 16 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2014

(21) Application No.5144/CHE/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SYNTHESIS OF FMPC AND PREPARATION OF CHITOSAN-FMPC PARTICLES

(51) International classification :a61k31/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**2)P. THYRIYALAKSHMI**
(72)**Name of Inventor :**
**1)DR. K. RADHA**
**2)P. THYRIYALAKSHMI**

(57) Abstract :
The present invention provides a synthesis of a novel compound bis (4-formyl-2-methoxyphenyl) carbonate (FMPC) using green reagents and method of preparation of a non-toxic, biodegradable novel Schiffs base compound with high stability and high solubility to be effectively used in targeted drug delivery and other therapeutic systems. The Dimethyl carbonate (DMC) and vanillin was the green reagents used in the preparation of FMPC. Schiffs bases generally possess various properties such as antibacterial, antimicrobial, antioxidant etc., and are extensively used as carrier polymer, drug delivery and controlled release system of the material, polymer adsorbents, ion exchange agent etc. The novel Schiffs base chitosan-FMPC particles of the present invention also possess similar properties and finds a wide variety of application in the field of biomedical, chemical, environmental, pharmaceutical, food and other fields of technology.

No. of Pages : 19 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/09/2014

(21) Application No.1005/KOL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD OF REPAIRING AND CURING HIGH VOLTAGE ELECTRIC TRAILING CABLE AT ROOM TEMPERATURE BY USING RUBBER COMPOSITIONS.

(51) International classification :H01B7/28
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)BIRESWAR BANERJEE**
**2)DR. SAMIR KUMAR PAL**

(57) Abstract :
The present invention relates to a method of repairing and curing high voltage electric trailing cable at room temperature by using rubber compositions. More particularly, the present invention relates to the method of repairing high voltage electric trailing cable at room temperature by using rubber compositions mixed with rubber cement. Moreover, this invention also relates to the method of repairing high voltage electric trailing cable at room temperature which comprises insulating inner cover and sheathing outer cover of the cable by using rubber compositions.

No. of Pages : 25 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/09/2014

(21) Application No.967/KOL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HYDRO ELECTRICITY GENERATION USING ANIMAL POWER

(51) International classification :F03B13/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)AMIT KUMAR DAS**

(57) Abstract :
This invention relates to an electricity generating device and in particular, this invention relates to an electricity generating device using nonconventional source. More particularly, this present invention relates to an electricity generating device using kinetic energy generated by spontaneous behavior of an animal and this kinetic energy is stored as potential energy of water, which in turn is used to generate electricity. Moreover, this invention also relates to a device for generating electricity using an animal as a source of power. Furthermore, this invention also relates to an electricity generating device which has the beneficial effects of having reduced cost, reduced labor intensity, clean energy and having safety and reliability.

No. of Pages : 20 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/09/2014

(21) Application No.968/KOL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A DEVICE HAVING A CONICAL LENS WITH NIGHT VISION TECHNOLOGY

(51) International classification :A61L2/18
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)HIMADRI NATH MOULICK**
**2)BISWAJIT MONDAL**
**3)DR.CHANDAN KONER**

(57) Abstract :
This invention relates to a device having a contact lens with night vision technology and in particular, this invention relates to a device having a contact lens with night vision technology attached with Fuzzy filter logic to remove noise from the output images of conical lens. More particularly, this present invention relates to a device having a contact lens with a Fuzzy logic processor. Furthermore, this invention also relates to a device having a contact lens which has the beneficial effects of having safety and reliability.

No. of Pages : 20 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/09/2014

(21) Application No.961/KOL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : GRAVITY FLOW PORTABLE WATER BOTTLE WITH FILTARTION SYSTEM

(51) International classification :A45F3/16
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)PROF. SIBA SANKAR MAHAPATRA**
**3)MR. SANDIP MANDAL**
**4)MR. SWAYAM BIKASH MISHRA**

(57) Abstract :
A low cost portable water bottle that includes a system for filtering untreated water within the bottle is disclosed. The filtration system typically includes a number of different filter components. The filter components have a central flow direction. As demonstrated, the filter components include membrane activated carbon, nano material, phyllosilicate, zeolites and hybrid material. Water filtration and purification takes place through gravitational feed flow force. A separate outlet is provided to collect or drink the purified water.

No. of Pages : 27 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/09/2014

(21) Application No.995/KOL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MULTIPURPOSE SAFETY LOCKING DEVICE

(51) International classification :B66C1/36
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)ANIMESH BHOWMICK**
**2)ARIJIT BHOWMICK**
**3)SAJAL BOSE**

(57) Abstract :
This invention relates to a multipurpose safety locking device and in particular. this invention relates to safety locking device which has twin locking system. More particularly, this present invention relates to safety locking device which can be applied for locking of upper and lower enclosure of the energy meter at the same time. Furthermore, this invention also relates to multipurpose safety locking device which has the beneficial effects of having safety and reliability.

No. of Pages : 16 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/10/2013

(21) Application No.1218/KOL/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : POSITION AND TIME LOCALIZATION OF OCCLUSION BETWEEN TWO OBJECTS USING A STATIC CAMERA

(51) International classification :G06T5/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)DR. PANKAJ KUMAR SA**
**2)MR. RAHUL RAMAN**
**3)PROF. BANSHIDHAR MAJHI**

(57) Abstract :
The present invention discloses a method for determination of chances of occlusion between two objects under motion. The determination is based on the information of direction and apparent speed of motion of the object. In cases of possible occlusion, the method also determines the expected position and time of occlusion in the frame.

No. of Pages : 24 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/10/2013

(21) Application No.1217/KOL/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SYSTEM AND METHOD FOR DETECTING OBJECTS IN VIDEOS ACQUIRED WITH STATIC CAMERA

(51) International classification :H04N5/232
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)MR. KALYAN KUMAR HATI**
**3)PROF. BANSHIDHAR MAJHI**

(57) Abstract :
A system and method are disclosed in this invention to detect objects in video sequences that are captured with a static camera. First few frames of an input video are analyzed to determine stationary pixels. Such identified pixels are used to prepare a model for the background. This model is then used subsequently to detect objects by defining a local threshold with a range of values for each pixel. Stationary pixels and local thresholding improves the object detection capability of the system both qualitatively and quantitatively.

No. of Pages : 21 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/09/2014

(21) Application No.978/KOL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DUAL DRIVE SURFACE ACOUSTIC WAVE LINEAR MOTOR AND THE PACKAGE

(51) International classification :H02K41/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)BEHERA BASUDEBA**
**2)NEMADE HARSHAL BHALCHANDRA**

(57) Abstract :
The present invention relates to a surface acoustic wave (SAW) driven linear motor where SAW is generated on two stators facing each other holding tightly a slider which is capable of making forward or reverse translational motion in two dimensions, and an outer package. The package contains a base having electrical connecting pins and the top cover has slots for attaching load to the slider and a slotted disc spring that provides the required preload for generating contact friction force between the slider and the stators after the top cover is fixed with the base. The slider has uniform array of projections on two contact surfaces. A typical construction of stator contains four interdigital transducers (IDTs) fabricated on the surface of piezoelectric substrate with one IDT each placed at the midpoint of each side of the rectangular substrate. The application of predetermined radio frequency power to an IDT generates Rayleigh SAW on the surface of the substrate that interacts with the slider and the frictional force acts on the slider in the direction opposite to the SAW propagation. By simultaneously exciting two IDTs, one each from top and bottom stators, on one side of the motor, the slider makes translational motion towards the activated IDTs. The direction of motion of the slider can be changed by switching excitation to the IDT pair on the respective side of the motor. This invention is capable of performing motion in two degrees of freedom, hence can perform complex tasks in compact size with exceptional features of stable motion, light weight, high speed, and quick response.

No. of Pages : 20 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2014
(21) Application No.240/KOL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A MECHANICAL POWER TRANSMISSION DEVICE

(51) International classification :A01B51/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)RABINDRA KUMAR DEBGUPTA**

(57) Abstract :
This invention is a mechanical power transmission device that can transfer power from a source like an engine to a load with automatic conversion of torque. It consists of mainly two components- the transmission plate and the lever disc. The transmission plate has a uniform well for the size of the lever disc to be placed inside and a transmission bolt mechanism that connects them. The input torque is brought at the centre of the transmission disc whereas the output torque is derived at the centre of the lever disc, by an input and out shaft respectively. There is also a cover disc that covers the connected lever disc inside the well of the transmission disc. This device can be used in various situations like in automobiles, motorcycles, industry or such areas where torque conversion is necessary and is efficient due to its simplicity and being a purely mechanical device.

No. of Pages : 17 No. of Claims : 9

## Publication After 18 Months:

**The following Patent Applications have been published under Section 11A (3) of The Patents (Amendment) Act, 2005. Any Person may file representation by way of opposition to the Controller of Patents at the appropriate office against the grant of the patent in the prescribed manner under section 25(1) of the Patents (Amendment) Act, 2005 read with the rule 55 of The Patents (Amendment) Rules, 2006:**


(12) PATENT APPLICATION PUBLICATION

(21) Application No.10951/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/12/2012

(43) Publication Date : 24/10/2014


(54) Title of the invention : BOILER TUBE BUNDLE SUSPENSION DEVICE


| | |
|---|---|
| (51) International classification | :F22B37/20,F24H9/00 |
| (31) Priority Document No | :201110077449.4 |
| (32) Priority Date | :30/03/2011 |
| (33) Name of priority country | :China |
| (86) International Application No<br>Filing Date | :PCT/CN2012/071220<br>:16/02/2012 |
| (87) International Publication No | :WO 2012/129993 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |



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**2)ZHAO Pengshan**

**3)ZHOU Shuguang**

**4)YE Weimin**



(57) Abstract :

A boiler tube bundle suspension device comprising a tube bundle (1) a pair of clamping steel plates (2) a end plate suspension device (3) and a suspension tube suspension device (4); the tube bundle (1) is connected with the clamping steel plate (2) via a pre embedded part the end plate suspension device (3) comprises an end plate (31) and an end plate support part (32) disposed on the end plate (31) and the suspension tube suspension device (4) comprises a suspension tube (41) and a suspension tube support part (42) disposed between the suspension tubes (41); one end of the clamping steel plate (2) is disposed on the end plate suspension device (3) and the other end is disposed on the suspension tube suspension device (4) or the two ends are both disposed on the suspension tube suspension device (4); the end plate support part (32) comprises a holding plate (321) and a support plate (322) the holding plate (321) is disposed on the end plate (31) the clamping steel plate (2) is connected with the support plate (322) and disposed on the clamping plate (321) via the support plate (322). The device can suspend the tube bundle (1) simply and conveniently and provide a very good condition for the expansion under load of the tube bundle (1) avoiding interference with other parts and at the same time saving cost by eliminating spring hangers.


No. of Pages : 15 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/12/2012

(21) Application No.10954/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HYDRAULIC TEST APPARATUS FOR LARGE DIAMETER THICK WALL PIPE CONNECTOR AND HYDRAULIC TEST METHOD THEREOF

(51) International classification :G01N1/28,G01M3/00
(31) Priority Document No :201110170270.3
(32) Priority Date :23/06/2011
(33) Name of priority country :China
(86) International Application No :PCT/CN2012/071228
Filing Date :16/02/2012
(87) International Publication No :WO 2012/174868
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)WANG Ruijuan**
**2)ZHOU Shuguang**
**3)YE Weimin**
**4)ZHAO Pengshan**

(57) Abstract :
A hydraulic test apparatus for large diameter thick wall pipe connector and hydraulic test method thereof. When casting a large diameter thick wall pipe connector (2) a pipe connector boss (5) is cast in the inner diameter of the pipe connector a blanking plate (3) is welded on the boss and the gap between the boss and the blanking plate is seal welded. The boss and the pipe connector are integrated so the boss can withstand a great acting force thereby preventing the blanking plate from flying out due to the great pressure. In this case the welded joint serves the purpose of sealing only and the welding height is far less than that in a traditional hydraulic test apparatus. The hydraulic test is then conducted. After the hydraulic test is completed the boss is cut off and the inner wall of the pipe connector at the boss is machined to the designed dimension. This ensures the safety of the hydraulic test saves material reduces the costs on pipe connector casting and the blanking plate welding shortens the preparation period for the hydraulic test and reduces production costs.

No. of Pages : 19 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/12/2012

(21) Application No.10955/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DISSIMILAR STEEL COLD CRACK SUSCEPTIBILITY TEST METHOD

(51) International classification :B23K31/12
(31) Priority Document No :201110253867.4
(32) Priority Date :31/08/2011
(33) Name of priority country :China
(86) International Application No :PCT/CN2012/071229
Filing Date :16/02/2012
(87) International Publication No :WO 2013/029350
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)LU Zhengran**

(57) Abstract :
A dissimilar steel cold crack susceptibility test method with reference to the Weldability Testing Method of Y groove Cracking Test (GB4675.1 84) comprising test piece preparation test process and evaluation; a preferable welding rod is a welding rod matching with a metal material (1) or a metal material (2) or a welding rod with the grade thereof being between the metal material (1) and a metal material (2). The test can easily and reliably test and evaluate the dissimilar steel welding cold crack susceptibility. Furthermore the test method can provide a reliable basis for the selection of optimum welding material and preheating temperature during the welding of dissimilar steel.

No. of Pages : 10 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/02/2013

(21) Application No.1044/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SYSTEMS AND METHODS FOR MEASURING PARTICLE ACCUMULATION ON REACTOR SURFACES

(51) International classification :B01J8/24,C08F2/34,B01J8/38
(31) Priority Document No :61/364966
(32) Priority Date :16/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/043329
Filing Date :08/07/2011
(87) International Publication No :WO 2012/009216
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)MARKEL Eric J.**

(57) Abstract :
Systems and methods for monitoring a particle/fluid mixture are provided. The method can include flowing a mixture comprising charged particles and a fluid past a particle accumulation probe. The method can also include measuring electrical signals detected by the probe as some charged particles pass the probe without contacting the probe while other charged particles contact the probe. The measured electrical signals can be manipulated to provide an output. The method can also include determining from the output if the charged particles contacting the probe have on average a different charge than the charged particles that pass the probe without contacting the probe.

No. of Pages : 35 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/12/2012

(21) Application No.10960/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : WELDING DEFORMATION CONTROL METHOD FOR JOINT BETWEEN LARGE INSERTED OBLIQUE TUBE AND CYLINDER

(51) International classification :B23K9/095,B23K9/18,B23K9/235
(31) Priority Document No :201110077466.8
(32) Priority Date :30/03/2011
(33) Name of priority country :China
(86) International Application No :PCT/CN2012/071233
Filing Date :16/02/2012
(87) International Publication No :WO 2012/129995
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)FU Yuwen**
**2)ZHANG Bodi**
**3)WANG Jining**

(57) Abstract :
A welding deformation control method for a joint between a large inserted oblique tube and a cylinder comprises: Step 1: opening a hole on a side portion of a cylinder (22); Step 2: assembling a large inserted oblique tube (21) and the cylinder (22) and welding a fixing ribbed plate (23) on an outer side of a joint; Step 3: measuring the dimensions of the joint between the cylinder (22) and the large oblique tube (21) and leaving an anti deformation margin of an angle a; Step 4: welding to form a welded seam on the lower part; Step 5: welding to form a welded seam on the middle and lower parts and measuring an included angle through a total station electronic tacheometer (26) the included angle being controlled to be 180° in the welding process; Step 6: welding to form a welded seam on the middle and upper parts and measuring the included angle the included angle being controlled to be 180° in the welding process; Step 7: welding to form a welded seam on the upper part. The method uses the total station electronic tacheometer (26) and in combination with the rigid fixing method controls welding deformation of the joint in the process of welding the large inserted oblique tube (21) and the cylinder (22) so that the product pass rate is high and the welding quality is effectively guaranteed. The method is simple and is highly effective in controlling welding deformation of large insertion joints.

No. of Pages : 12 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/12/2012

(21) Application No.10961/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : AUTOMATIC SUBMERGED ARC WELDING METHOD FOR LARGE INSERTED CONNECTING TUBE ON CONE

(51) International classification :B23K9/18,B23K9/032,F16L41/02
(31) Priority Document No :201110077469.1
(32) Priority Date :30/03/2011
(33) Name of priority country :China
(86) International Application No :PCT/CN2012/071232
Filing Date :16/02/2012
(87) International Publication No :WO 2012/129994
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
An automatic submerged arc welding method for a large inserted connecting tube on a cone comprises the following steps: opening a hole on a side wall of a cone (21); inserting a connecting tube (22) into the cone and assembly welding an annular steel pad (23) around a part outside the cone and connected to the connecting tube; elevating two ends namely a large opening and a small opening of the cone respectively so that the axial direction of the connecting tube is perpendicular to the ground (27); assembly welding a beveled steel tube (24) on the inner wall of the cone and at the connecting tube; performing preheating before welding; welding to form a welded seam (28) between the cone and the connecting tube by using a saddle shaped submerged arc welding machine (25); performing dehydrogenation treatment after the welding is completed; and removing surplus height of the welded seam on the inner wall and polishing the welded seam smooth. The method uses the saddle shaped automatic submerged arc welding machine to weld at the inner wall the inserted connecting tube and the cone so as to improve the production efficiency and reduce the influence of human factors on the welding quality thereby avoiding the problem of difficulty in repairing shortening the manufacturing cycle and reducing the manufacturing costs.

No. of Pages : 14 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/12/2012

(21) Application No.10971/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : NANOCARRIER COMPOSITIONS WITH UNCOUPLED ADJUVANT

(51) International classification :A61K45/00,A61K47/00
(31) Priority Document No :61/348713
(32) Priority Date :26/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/038190
Filing Date :26/05/2011
(87) International Publication No :WO 2011/150240
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)JOHNSTON Lloyd**
**3)LIPFORD Grayson B.**
**4)ZEPP Charles**

(57) Abstract :
Disclosed are synthetic nanocarrier compositions with separate adjuvant compositions as well as related methods.

No. of Pages : 89 No. of Claims : 88

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/12/2012

(21) Application No.10981/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CROSS-LINKED ELASTOMER COMPOSITION AND PRODUCT INCLUDING SUCH A COMPOSITION

(51) International classification :C08F
(31) Priority Document No :1054860
(32) Priority Date :18/06/2010
(33) Name of priority country :France
(86) International Application No :PCT/EP2011/060250
Filing Date :20/06/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**3)ALINE GRUDET**

(57) Abstract :
A crosslinked elastomeric composition comprising: a multiblock copolymer of ethylene and of alpha- 5 olefin comprising polymerized units of ethylene and of alpha-olefin, - an elastomer comprising a block copolymer having at least two aromatic blocks, which may be identical or different, separated by at least one elastomeric 10 block, and - a cross-linkable polymer.

No. of Pages : 19 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/12/2012

(21) Application No.10983/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : REDUCING AGENT AQUEOUS SOLUTION MIXING DEVICE AND EXHAUST GAS POST-TREATMENT DEVICE

(51) International classification :C07C
(31) Priority Document No :2011-285451
(32) Priority Date :27/12/2011
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2012/060447
Filing Date :18/04/2012
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**3)BOKU ITOU**
**4)SHINJI TSUJIMURA**
**5)TAKASHI KATOU**
**6)TETSUO ORITA**
**7)KANJI NAMIMATSU**
**8)ISSEI HARA**
**9)HIROYUKI TOMIOKA**

(57) Abstract :
In a urea aqueous solution mixing device using an injector directly injecting only a urea aqueous solution into an exhaust pipe, the urea aqueous solution is efficiently directed to an inner pipe. The device 5 includes an exhaust pipe (4B) , an injector (5) , an inner pipe (7) and a mixing pipe (6) . The exhaust pipe (4B) includes an elbow part (10) having a curved portion and a linear part (11) disposed on a downstream side of the elbow part (10) . The injector (5) is disposed outside the curved portion of the elbow part (10) and injects only a urea aqueous 10 solution into the elbow part (10) towards the linear part (11) . The inner pipe (7) is disposed on the exhaust stream downstream side of the injector (5) within the exhaust pipe (4) while the inlet portion opening thereof is opposed to the injector (5) and the outer peripheral surface thereof is disposed at an interval away from the inner wall 15 of the linear part (11), and allows the exhaust gas to flow through the inside thereof and the outer periphery thereof. The mixing pipe (6) directs the urea aqueous solution injected from the injector (5) to the inner pipe (7).

No. of Pages : 34 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/12/2012

(21) Application No.10984/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : REDUCING AGENT AQUEOUS SOLUTION MIXING DEVICE AND EXHAUST GAS POST-TREATMENT DEVICE

(51) International classification :C07C
(31) Priority Document No :2011-285450
(32) Priority Date :27/12/2011
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2012/060459
Filing Date :18/04/2012
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**4)SHINJI TSUJIMURA**
**5)TAKASHI KATOU**
**6)TETSUO ORITA**
**7)KANJI NAMIMATSU**
**8)ISSEI HARA**
**9)HIROYUKI TOMIOKA**

(57) Abstract :
In a urea aqueous solution mixing device, a urea aqueous solution and an exhaust gas can be well mixed, and further, the urea aqueous solution can be inhibited from attaching to the inner wall of an exhaust pipe. 5 The device includes an exhaust pipe (4B), an injector (5), a mixing pipe (6) and an inner pipe (7) . The exhaust pipe (4B) includes an elbow part (10) having a curved portion and a linear part (11) disposed on the downstream side of the elbow part (10) . The injector (5) is disposed outside the curved portion of the elbow part (10) and injects 10 the urea aqueous solution towards the linear part (11) The mixing pipe (6) is disposed inside the elbow part (10) for enclosing the surrounding of the urea aqueous solution to be injected from the injector (5), and includes a plurality of openings (6a) on the outer peripheral surface thereof. The inner pipe (7) is disposed on the 15 downstream side of the mixing pipe (6) at an interval away from the outlet portion of the mixing pipe (6) and simultaneously at an interval away from the inner wall of the linear part (11) , and allows the exhaust gas to flow through the inside thereof and the outer periphery thereof.

No. of Pages : 34 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/12/2012

(21) Application No.10986/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD AND SYSTEM FOR PRODUCING AN ALUMINUM-SILICON ALLOY

(51) International classification :C22C
(31) Priority Document No :61/346,654
(32) Priority Date :20/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/037302
Filing Date :20/05/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)DOSAJ Vishu Dutt**
**2)BITTAR Reinaldo Rodrigues**

(57) Abstract :
A method and system for producing an aluminum- silicon alloy are provided and include preheating silica to a predetermined temperature and combining aluminum with the preheated silica to melt the aluminum and produce an aluminum-silicon alloy.

No. of Pages : 20 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/12/2012

(21) Application No.11050/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : TRIGGERED-STROKE ACTUATOR PROVIDED WITH A GAS DISCHARGE DEVICE

(51) International classification :B21L
(31) Priority Document No :1054712
(32) Priority Date :15/06/2010
(33) Name of priority country :France
(86) International Application No :PCT/FR2011/051344
Filing Date :14/06/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)FREDERIC MARLIN**
**2)JEAN-PAUL NADEAU**

(57) Abstract :
The invention relates to a triggered-stroke actuator (10) comprising a body (12) housing a piston (14) and a rod (16), and a gas generator (18) mounted in said body (12) opposite said piston (14) and capable of pressurising a first chamber (20) 20 defined between said gas generator and said piston, in which the piston (14) comprises, on its external face, a groove (30) in which is housed, a sealing joint (40) with the body (12) of the actuator (10). A calibrated passage (50), adapted to evacuate gas from the first chamber (20), is formed between the sealing joint (40) and the wall of the groove (30)

No. of Pages : 22 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/12/2012

(21) Application No.11052/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SYSTEM FOR EAR STUDS OR PIERCINGS

(51) International classification :A47J
(31) Priority Document No :1002559
(32) Priority Date :17/06/2010
(33) Name of priority country :France
(86) International Application No :PCT/FR2011/000282
Filing Date :09/05/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)DANIEL ABOU ASSI**

(57) Abstract :
A system to be placed in a piercing made in the human body, comprising a shaft (1) designed to pass through said piercing and a locking 5 member (5), characterized in that said shaft (1) comprises a removable segment (118) and a support (101) intended to receive said removable segment (118), one (118) in the extension of the other (101), said segment (118) being provided to bear a decorative pattern at an end opposite the support (101), and the support (101) cooperating with a locking member (5), said locking 10 member (5) being articulated at one end (3) of the support (101) opposite said segment (118), so as to assume a first position, in which the locking member (5) is in the extension of said shaft (1), and a second position, in which the locking member (5) is substantially perpendicular to the shaft (1), an elastic member (9) cooperating with said support (101) and the locking member (5) to 15 ensure the stability of said first and second positions.

No. of Pages : 20 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/12/2012

(21) Application No.11054/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ACTIVE SUBSTANCE COMBINATIONS WITH INSECTICIDE AND ACARICIDE PROPERTIES

(51) International classification :C07C
(31) Priority Document No :61/356,224
(32) Priority Date :18/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2011/059988
Filing Date :16/06/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)CHRISTIAN FUNKE**
**2)HEIKE HUNGENBERG**
**3)RUDIGER FISCHER**

(57) Abstract :
The novel active ingredient combinations which consist of the compounds of the formula (I) in combination with further active insecticidal ingredients (E) ase very suitable for control of animal pests such as insects and I or unwanted acarids.

No. of Pages : 96 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/12/2012

(21) Application No.11056/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SELF CLEANING SHUNT

(51) International classification :B60S
(31) Priority Document No :61/344,251
(32) Priority Date :18/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IL2011/000486
Filing Date :19/06/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)SAMOOCHA Or**
**2)ZAAROOR Menashe**
**3)SHOHAM Moshe**

(57) Abstract :
A self cleaning inlet head for use on a shunt. The head has a tube with openings disposed in predetermined positions in its wall and a cleaning element installed inside the tube. The cleaning element may comprise a central shaft with a number of bristles protruding therefrom preferably in locations substantially identical to the positions of the openings in the wall of the tube. Mutual vibratory motion between the cleaning element and the tube causes at least some of the bristles to enter the openings thereby keeping them clear and preventing tissue growth into them. The vibratory motion may be generated by the action of an external field on a responsive part of the cleaning element such as an external magnetic field operating on a magnetic or magnetized part of the cleaning element or the bristles. Alternatively the external field may be an ultrasound field operating on the bristles.

No. of Pages : 18 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/12/2012

(21) Application No.11057/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HYDRAULIC DRIVE SYSTEM FOR HYDRAULIC WORKING MACHINE

(51) International classification :F17D
(31) Priority Document No :2010-190922
(32) Priority Date :27/08/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/066988
Filing Date :26/07/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)KAJITA Yusuke**
**3)SATAKE Hidetoshi**
**4)OOKI Takatoshi**

(57) Abstract :
A hydraulic drive system designed so that while maintaining intact a structure of a relief valve having a shockless function the drive unit hydraulic drive system facilitates changing a driving pressure or braking pressure of a hydraulic swing motor and hence changing a maximum driving torque or braking torque of the hydraulic swing motor. Inside a swing motor unit 4 are arranged a first swinging relief valve 44a 44b provided with a shockless function to limit a driving pressure or braking pressure of the hydraulic swing motor 40 in order to prevent the pressure from exceeding a first setting pressure and a second swinging relief valve 46a 46b for limiting the driving pressure or braking pressure of the hydraulic swing motor in order to prevent the pressure from exceeding a second setting pressure that is lower than the first setting pressure; in this unit configuration ....

No. of Pages : 57 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/12/2012

(21) Application No.11083/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ENHANCED PHYSICAL UPLINK CONTROL CHANNEL FORMAT RESOURCE ALLOCATION FOR TIME DIVISION DUPLEX MODE

(51) International classification :H04J3/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2010/074059
Filing Date :18/06/2010
(87) International Publication No :WO 2011/156967
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)CHEN Peng**
**2)GAO Chunyan**
**3)TIIROLA Esa**

(57) Abstract :
In one aspect thereof the exemplary embodiments provide a method that includes when in a time division duplex mode of operation with a user equipment allocating physical uplink control channel resources by reserving physical uplink control channel resources with a granularity of one acknowledge/negative acknowledge (ACK/NACK) bundle; and sending an indication of the allocated physical uplink control channel resources from a network access node to the user equipment.

No. of Pages : 58 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/12/2012

(21) Application No.11087/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : COMPRESSED AIR ENGINE

(51) International classification :F01B9/02,F01B23/02,B60W20/00
(31) Priority Document No :12/817122
(32) Priority Date :16/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/040477
Filing Date :15/06/2011
(87) International Publication No :WO 2011/159774
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)HUFF Christopher M.**
**2)BLOCK Danny Lee**

(57) Abstract :
An air engine system includes a motor coupled to the drive shaft of an air engine to control the speed of the air engine. he air engine uses compressed air from a compressed air source provided by an air compressor. The air engine may be used on a vehicle providing a clean environmentally friendly means of locomotion. Conventional internal combustion engines may be retrofitted to operate on compressed air. Many of the parts on an internal combustion engine are not needed after retrofitting to be an air engine including the heads. The heads are replaced by head plates that are coupled to solenoids that provide both intake and exhaust functions to the cylinders thereby replacing the valves in the heads. A kit provides parts and instructions for retrofitting an existing internal combustion engine to run on compressed air.

No. of Pages : 43 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/12/2012

(21) Application No.11088/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CONNECTING DEVICE FOR CONNECTING A WIPER ARM TO A WIPER BLADE IN AN ARTICULATED MANNER

(51) International classification :B60S1/38,B60S1/40
(31) Priority Document No :102010030880.3
(32) Priority Date :02/07/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/061228
Filing Date :04/07/2011
(87) International Publication No :WO 2012/001175
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)DEPONDT Helmut**

(57) Abstract :
The invention relates to a connecting device (10) for connecting a joining element (46 48 50 52 54 56 58 60 62 64 66) of a wiper arm to a wiper blade (12) in an articulated manner the supporting element (16) of said wiper blade being rigidly connected to a connecting element (20) of the connecting device (10). The connecting element (20) has at least one mounting web (26) which runs in the longitudinal direction protrudes into the interior of an adapter (36 38 40 42 44) and supports a mounting pin (28) that runs transversely to the longitudinal direction. The adapter (36 38 40 42 44) is pivotably mounted on said mounting pin by mounting means (88) and the adapter (36 38 40 42 44) is detachably connected to the joining element (46 48 50 52 54 56 58 60 62 64 66). According to the invention the mounting web (26) is formed on one longitudinal edge of a base (22) of the connecting element (20) only in a short region on the outer end of the connecting element (20) and the mounting pin (28) is secured on the mounting web (26) in cantilevered manner towards the other longitudinal edge of the base (22) while a lateral web (30) is formed on the other longitudinal edge of the base (22) in an offset manner with respect to the inner end of the connecting element (20).

No. of Pages : 32 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/12/2012

(21) Application No.11089/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD AND MACHINE FOR PUNCHING BODYWORK COMPONENTS

(51) International classification :B26D5/02,B26F1/02
(31) Priority Document No :1054002
(32) Priority Date :24/05/2010
(33) Name of priority country :France
(86) International Application No :PCT/FR2011/051163
Filing Date :23/05/2011
(87) International Publication No :WO 2011/148089
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)TRESSE David**

(57) Abstract :
The invention relates to a method for punching bodywork components, in particular a skin in order to install parking-assistance sensors or headlight washers therein. The invention also relates to a punching machine having an anvil (2) for receiving the bodywork component, a punch (19), and movement means (5, 10) for moving the punch, initially over a first stroke in order to bring it into a utilization position, and then over a second stroke in order to pierce said component. The movement of the punch over the second stroke takes place at a travel speed not exceeding 10 mm/s and less than the travel speed of the punch over the first stroke. The means for moving the punch over the second stroke comprise a punching actuator (11, 21) coupled to a forcemultiplication mechanism. Finally, the invention relates to the use of a machine and to a bodywork component obtained by performing the method. 18

No. of Pages : 22 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/12/2012

(21) Application No.11090/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : WINDSCREEN WIPER DEVICE

(51) International classification :B60S1/08
(31) Priority Document No :10 2010 030 961.3
(32) Priority Date :06/07/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/057452
Filing Date :10/05/2011
(87) International Publication No :WO 2012/004023
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)ZIMMER Joachim**

(57) Abstract :
The invention relates to a windscreen wiper device (1) for a motor vehicle, said device comprising at least one wiper motor (2), particularly a reversing motor, on which a motor crank (4) is provided connected to at least one gearing (3) which is downstream of said wiper motor (2), so as to drive a wiper arm that is coupled thereto such that said arm performs an oscillating wiper movement on a windscreen of said motor vehicle, said wiper motor (2) being coupled to a control unit. Motor power generated by the wiper motor (2) can be adjusted by the control unit depending on a transmission ratio which results from the position of said gearing (3). In order to carry out dynamic reverse processes of the wiper arm out of its turning point to produce as uniform a wiper arm movement as possible on the windscreen, the control unit delays a reduction in the motor power until after the motor crank (4) has accelerated out of the respective wiper arm turning points. 9 12 3

No. of Pages : 16 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/12/2012

(21) Application No.11093/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD AND SYSTEM OF OPERATION RETRIEVAL FOR WEB APPLICATION

(51) International classification :G06F
(31) Priority Document No :2010-144998
(32) Priority Date :25/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/005386
Filing Date :01/09/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
Disclosed is a method and system of operation retrieval for a web application capable of realizing an accurate effective and highly extensible method for operation retrieval of a webpage which includes content that actively changes on the client side. When transmitting a webpage to a web browser a web server detects an operation log acquisition function which is operating in the clients browser detects web page text layout changes and inserts and transmits a saved difference detection function. The web browser executes the difference detection function that was inserted in the web page that was received and saves the text layout of the webpage as a first text layout. Further the web browser executes the operation log acquisition function and generates and saves the operation log for the web page executes the difference detection function compares the text layout of the webpage and the first text layout ...

No. of Pages : 84 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/12/2012

(21) Application No.11094/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SUBSTRATE COMPRISING A TRANSPARENT CONDUCTIVE OXIDE FILM AND ITS MANUFACTURING PROCESS□

(51) International classification :C07C
(31) Priority Document No :1002626
(32) Priority Date :23/06/2010
(33) Name of priority country :France
(86) International Application No :PCT/IB2011/052738
Filing Date :22/06/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)DUCROS Cdric**
**3)TEBBY Zo**

(57) Abstract :
The invention relates to a substrate comprising at least one scattering film made of a transparent conductive oxide (TCO) and to a process for manufacturing such a substrate. It also relates to a solar cell comprising such a substrate. The substrate according to the invention comprises a layer of spherical particles made of a material chosen from dielectric and transparent conductive oxides the layer being coated with a TCO film and the diameters of said spherical particles belonging to at least two populations of different diameters. The invention is applicable in particular to solar cells.

No. of Pages : 22 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/12/2012

(21) Application No.11095/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PROCESS FOR THE PRODUCTION OF CHLORINE DIOXIDE□

(51) International classification :C07C
(31) Priority Document No :10168832.3
(32) Priority Date :08/07/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/061262
Filing Date :05/07/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)PELIN Kalle Hans Thomas**

(57) Abstract :
The invention relates to a continuous process for the production of chlorine dioxide comprising: -feeding chlorate ions hydrogen peroxide and an acid into a reactor comprising packing elements inside; -reacting said chlorate ions hydrogen peroxide and acid in said reactor to form a product stream comprising chlorine dioxide; and -withdrawing said product stream from said reactor.

No. of Pages : 12 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2012

(21) Application No.11102/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CONVERTING DEVICE OF ELECTRICAL ENERGY

(51) International classification :H01J
(31) Priority Document No :201010189994.8
(32) Priority Date :25/05/2010
(33) Name of priority country :China
(86) International Application No :PCT/CN2010/076116
Filing Date :18/08/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)DONGSHENG ZHANG**

(57) Abstract :
The disclosure discloses an electric energy conversion device and system, to solve the problems of severe harmonic pollution, low power factor during the electric energy feedback from a power generation device to a power grid in the conventional art. The 5 electric energy conversion device comprises: a plurality of single-phase rectifier bridge circuits, a first input ends of the a plurality of single-phase rectifier bridge circuits are connected with an output end of each phase of an Alternating Current (AC) power supply one to one, and a second input ends of the a plurality of single-phase rectifier bridge circuits are connected together; and a plurality of three-phase fully-controlled bridge circuits, 10 wherein two input ends of each three-phase fully-controlled bridge circuit are connected with two output ends of each the rectifier bridge circuit respectively, or, two input ends of each the three-phase fully-controlled bridge circuit are connected with two output ends of each the rectifier bridge circuit through an inductor respectively. Through the technical solution of the disclosure, the waveform coefficient of the current of the power generation 15 device is improved, the harmonic wave is reduced, and the power factor is improved.

No. of Pages : 23 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2012

(21) Application No.11103/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PEROXIDE CONACT LENS CARE SOLUTION□

(51) International classification :C07C
(31) Priority Document No :61/356,122
(32) Priority Date :18/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/022655
Filing Date :27/01/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)KIMBERLY ANNE MILLARD**
**2)ERNING XIA**
**3)SUZANNE F. GROEMMINGER**
**4)JENILEE KILBURY**

(57) Abstract :
A bontact lens disinfecting system comprising: a peroxide disinfecting solution comprising 0.5 wt.% to 6 wt.% hydrogen peroxide or a chemical precursor of hydrogen peroxide; and a P-metal modulating compound that slows the rate at which the hydrogen peroxide is neutralized, in cotnbination with a contact lens disinfection apparatus, the disinfection appnrntus . comprising a container 12 adapted to contain a qumtity of the peroxide disinfecting 1 solution, and a cap member 16 that engages the container 12, the cap member 16 including a lens supporting assembly 20 and a catalytic element 30 that incIudes a Pmetal selected fiom platinum or palladium, which cataIyzes the decomposilion of the hydrogen peroxide in ffle disinfecting solution with a pseudo first-order, half-life of hydrogen peroxide over the initial sixty minutes of from 12 minutes to 30 minutes.

No. of Pages : 42 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2012

(21) Application No.11109/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HOT-DIP AL-COATED STEEL SHEET WITH EXCELLENT THERMAL BLACKENING RESISTANCE AND PROCESS FOR PRODUCTION OF SAME

(51) International classification :C22C
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2010/060917
Filing Date :21/06/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)JUN MAKI**
**2)SHINICHI YAMAGUCHI**

(57) Abstract :
In conventional Al coated steel sheet, with the Al coating as it is, black discoloration cannot be prevented 5 at 550°C or more. For this reason, post annealing is used to form a barrier layer and suppress the formation of Fe- Al intermetallic compounds. However, with this method, there were the problems that the steel sheet became poor in workability and, further, high temperature, long time 10 heating was required, sothere were problems from the workability, economy, and environmental aspect. The present invention provides steel sheet which has a heat black discoloration resistance even at a 550°C or more high temperature without additional annealing after Al 15 coating and further is excellent in workability. That is, it is hot dip Al coated steel sheet which comprises steel sheet which contains predetermined ingredients of C, Si, P, S, Al, N, and 0 plus one or both of furthermore 20 Ni: 0.01 to 0.1% or Cu: 0.01 to 0.1% and satisfies lOxC+Ni+Cu>0.03 and an Al coating layer which contains Si: 4 to 11% on the surface of that steel sheet and which have a thickness 5 μm or less Al-Fe-,Si alloy 25 layer in the interface between the Al coating layer and the steel sheet.

No. of Pages : 40 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/11/2012

(21) Application No.10022/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : LYSINE SPECIFIC DEMETHYLASE 1 INHIBITORS AND THEIR USE

| | |
|---|---|
| (51) International classification | :C07C211/35,C07C211/42,C07C217/52 |
| (31) Priority Document No | :10160315.7 |
| (32) Priority Date | :19/04/2010 |
| (33) Name of priority country | :EPO |
| (86) International Application No<br>Filing Date | :PCT/EP2011/056279<br>:19/04/2011 |
| (87) International Publication No | :WO 2011/131697 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

(71)**Name of Applicant :**
**1)ORYZON GENOMICS S.A.**
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(72)**Name of Inventor :**
**1)ORTEGA MU'OZ Alberto**
**2)CASTRO PALOMINO LARIA Julio**
**3)FYFE Matthew Colin Thor**

(57) Abstract :
The present invention relates to a compound of Formula 1, wherein: (A) is heteroaryl or aryl; each (A), if present, is independently chosen from aryl, arylalkoxy, arylalkyl, heterocyclyl, aryloxy, halo, alkoxy, haloalkyl, cycloalkyl, haloalkoxy, and cyano, wherein each (A) is substituted with 0, 1, 2, or 3 substituents independently chosen from halo, haloalkyl, haloalkoxy, aryl, arylalkoxy, alkyl, alkoxy, amido, -CH2C (=0)NH2, heteroaryl, cyano, sulfonyl, and sulfinyl; X is 0, 1, 2, or 3; (B) is a cyclopropyl ring, wherein (A) and (Z) are covalently bonded to different carbon atoms of (B); (Z) is -NH-; (L) is chosen from a single o bond, -CH2-, -CH2CH2-, -CH2CH2CH2-, and -CH2CH2CH2CH2-; and (D) is an aliphatic carbocychc group or benzocycloalkyl, wherein said aliphatic carbocychc group or said benzocycloalkyl has 0, 1, 2, or 3 substituents independently chosen from - NH2, - o NH(Ci -C alkyl), -N(Ci -C alkyl)(Ci -C alkyl), alkyl, halo, amido, cyano, alkoxy, haloalkyl, and haloalkoxy. (A)X-(A)-(B)-(Z)- (L)-(D) formula (I) The compounds of the invention show activity for inhibiting LSDl, which makes them useful in the treatment or prevention of diseases such as cancer.

No. of Pages : 122 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/11/2012

(21) Application No.10024/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : STABILIZED CHEMICAL COMPOSITION

(51) International classification :A61K9/66
(31) Priority Document No :61/352246
(32) Priority Date :07/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/039384
Filing Date :07/06/2011
(87) International Publication No :WO 2011/162944
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)FOWLER Jeffrey David**
**2)KIM Sejong**

(57) Abstract :
Stabilized liquid agrochemical compositions are provided that comprise flowable aqueous dispersion concentrates comprising a) a continuous aqueous liquid phase; b) at least one dispersed solid phase comprising a dispersion of polymer particles having a mean particle size of at least one micron wherein the outside surfaces of the particles comprise a colloidal solid material and wherein the particles have at least one agrochemically active ingredient distributed therein optionally a non porous particulate mineral that acts as a diffusion barrier to slow the release of the active ingredient and optionally at least one non cross linkable mobile chemical such that the extraction of this chemical from the disperse phase renders it porous in a manner that allows the active ingredient to diffuse out. The colloidal solid is used to stabilize the polymenzable resin in an emulsion state during preparation.

No. of Pages : 48 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2012

(21) Application No.11134/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FUEL TREATMENT SYSTEM METHOD FOR UTILIZATION OF EXHAUST GAS AND APPARATUS FOR UTILIZATION OF EXHAUST GAS

(51) International classification :F23K1/04,F22D1/18,F23C99/00
(31) Priority Document No :2010145503
(32) Priority Date :25/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/064433
Filing Date :23/06/2011
(87) International Publication No :WO 2011/162344
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)OONAKA Akira**
**2)OOI Nobuyuki**
**3)TANO Tatsumi**
**4)NAKAMURA Toshiaki**
**5)SAIAI Kazuhiro**
**6)KOYAMA Yukihiro**

(57) Abstract :
It becomes possible to utilize a heat energy efficiently and utilize a poor quality fuel actively. Disclosed is a fuel treatment system (1) comprising a database (DB) (2) a control unit (3) an adjustment means (4) and a drying treatment facility (300). In the treatment system (1) the temperature of a hot gas supplied from a hot gas supply facility is adjusted by the adjustment means (4) that is controlled by the control unit (3). The control in the control unit (3) is achieved on the basis of the information on the water content in the fuel and the information on the ignition temperature that have been stored in the DB (2). The hot gas of which the temperature has been adjusted is used for the drying treatment of a fuel in the drying treatment facility (300).

No. of Pages : 100 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2012

(21) Application No.11135/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FASTENING MEMBERS WITH INDICIUM

(51) International classification :A61F13/62,A61F13/56
(31) Priority Document No :2708701
(32) Priority Date :27/07/2010
(33) Name of priority country :Canada
(86) International Application No :PCT/US2011/045264
Filing Date :26/07/2011
(87) International Publication No :WO 2012/015769
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)THE PROCTER & GAMBLE COMPANY**
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**1)DOBRIN George Christopher**

(57) Abstract :
A fastening member a process of making a fastening member and an absorbent article that includes a fastening member are disclosed. The fastening member includes a tape an actual fastener and an indicium in the form of a macro mechanical fastener. The macro mechanical fastener indicium helps a care giver attach the fastening member to a complementary surface.

No. of Pages : 27 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2012

(21) Application No.11121/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MODIFIED CATALYST SUPPORTS

(51) International classification :C08F4/02
(31) Priority Document No :10168151.8
(32) Priority Date :01/07/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/061146
Filing Date :01/07/2011
(87) International Publication No :WO 2012/001160
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)TOTAL RESEARCH & TECHNOLOGY FELUY**
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(72)**Name of Inventor :**
**1)WILLOCQ Christopher**
**2)VANTOMME Aurlien**
**3)SLAWINSKI Martine**

(57) Abstract :
The invention covers a supported catalyst system prepared according to a process comprising the following step: i). impregnating a silica containing catalyst support having a specific surface area of from 150 m/g to 800 m/g preferably 280 m/g to 600 m/g with one or more titanium compounds of the general formula selected from RTi(OR ) and (RO)Ti(OR ) wherein R and R are the same or different and are selected from hydrocarbyl groups containing from 1 to 12 carbon and halogens and wherein n is 0 to 4 m is 0 to 4 and m+n equals 4 to form a titanated silica containing catalyst support having a Ti content of at least 0.1 wt% based on the weight of the Ti impregnated catalyst support wherein the supported catalyst system further comprises an alumoxane and a metallocene.

No. of Pages : 21 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2012

(21) Application No.11123/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD OF PROVIDING AN AUTHENTICABLE TIME AND LOCATION INDICATION

(51) International classification :G01S19/02,G01S1/04,G01S1/08
(31) Priority Document No :10166025.6
(32) Priority Date :15/06/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/058989
Filing Date :31/05/2011
(87) International Publication No :WO 2011/157554
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)THE EUROPEAN UNION REPRESENTED BY THE EUROPEAN COMMISSION**
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(72)**Name of Inventor :**
**1)CHASSAGNE Olivier**

(57) Abstract :
A method of providing an authenticable time and location indication using a radio navigation signal receiver comprises receiving radio navigation signals broadcast from a plurality of radio navigation signal sources at least some of the radio navigation signals containing one or more cryptographic tokens protected by encryption the cryptographic tokens being updated from time to time. The receiver retrieves by decryption the cryptographic tokens from the radio navigation signals containing them. The receiver then determines positioning data representing its geographical position and time based on the radio navigation signals received. The receiver generates a digital authentication code using a cryptographic function taking as inputs at least the positioning data and the retrieved cryptographic tokens and produces a data package including a first part containing the positioning data and a second part containing the digital authentication code.

No. of Pages : 55 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2012

(21) Application No.11124/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CARBOHYDRATE COMPOSITIONS

(51) International classification :A23L1/09,A23L1/308
(31) Priority Document No :61/370935
(32) Priority Date :05/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/045830
Filing Date :29/07/2011
(87) International Publication No :WO 2012/018679
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)EVANS Annette**
**3)BUTLER Susan E.**

(57) Abstract :
Low sugar fiber containing carbohydrate compositions are provided which are suitable for use as substitutes for traditional corn syrups high fructose corn syrups and other sweeteners in food products.

No. of Pages : 34 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2012

(21) Application No.11125/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MULTIFUNCTIONAL PLATFORM OF WIND POWER GENERATING UNIT AND BLADE DISASSEMBLING METHOD

(51) International classification :B66F11/00,B66F7/06,F03D11/04
(31) Priority Document No :201010200359.5
(32) Priority Date :09/06/2010
(33) Name of priority country :China
(86) International Application No :PCT/CN2010/001684
Filing Date :25/10/2010
(87) International Publication No :WO 2011/153675
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)TAN Xianshun**
**2)JIN Baonian**
**3)YAO Libin**

(57) Abstract :
A multifunctional platform of a wind power generating unit and a blade disassembling method are disclosed. The multifunctional platform comprises: a platform frame (1) which includes a base ( 11) having an annular center hole (10) and two parallel arms (12) extending fiom one side of the base ( 11); a hoist mechanism (2) which includes at least three traction devices (21) and moves the platform up and down; a plurality of tower clamping mechanisms (4) which are fixed around the circumfer ence of the annular center hole (10) of the platform frame (1) and prevents the platform frame (1) from rotating; a moving dolly (5) which slides on the two arms (12); two blade adjusting pedestals (6) which are respectively provided on the protruding ends of the two arms (12); two set of blade drawing mechanisms (8), one end of each set of blade drawing mechanism (8) i s respectively connected with one blade adjusting pedestal (6). The blade disassembling method comprises: lifting the multifunctional platform to an appropriate height of the tower (9) b y the hoist mechanism (2); tying sling ropes at three positions of a blade (91); disassem bling the blade ( 1) and lowering it to a transport ship b y a crane ship, a fan maintenance crane (92) and the blade drawing mech anisms (8).

No. of Pages : 17 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2012

(21) Application No.11136/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : INDUCED MALIGNANT STEM CELLS OR PRE INDUCTION CANCER STEM CELLS CAPABLE OF SELF REPLICATION OUTSIDE OF AN ORGANISM PRODUCTION METHOD FOR SAME AND PRACTICAL APPLICATION FOR SAME

| | |
|---|---|
| (51) International classification | :C12N5/10,A01K67/027,A61K39/00 |
| (31) Priority Document No | :2010119385 |
| (32) Priority Date | :25/05/2010 |
| (33) Name of priority country | :Japan |
| (86) International Application No<br>Filing Date | :PCT/JP2011/062006<br>:25/05/2011 |
| (87) International Publication No | :WO 2011/148983 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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**1)ISHIKAWA Tetsuya**

(57) Abstract :
Disclosed are inducible cancer stem cells which are capable of in vitro self replication and which are useful in research into cancer treatment and cancer related drug development. Also disclosed are a production method for the above cells cancer cells induced from the above stem cells and a practical application of the cells. The disclosed inducible cancer stem cells which are capable of in vitro self replication are characterised by satisfying requirements (1) and (2): (1) expressing six genes (POU5F1 gene NANOG gene SOX2 gene ZFP42 gene LIN28 gene and TERT gene) selected from among a specified gene group; (2) (a) having an abnormality which is either the modification of an endogenous cancer suppression gene or the up regulation of an endogenous cancer related gene.

No. of Pages : 171 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2012

(21) Application No.11137/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DOWNHOLE WELL COMMUNICATIONS CABLE

(51) International classification :H01B
(31) Priority Document No :61/371263
(32) Priority Date :06/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/046684
Filing Date :05/08/2011
(87) International Publication No :WO 2012/019066
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)LAHIJANI Jacob**

(57) Abstract :
Communications cable is provided for use in downhole wells wherein the cable will be exposed to a temperature of at least 280°C the cable including as a component thereof a composition comprising melt fabricable tetrafluoroethylene/perfluoro(alkyl vinyl ether) copolymer and melt flowable polytetrafluoroethylene said polytetrafluoroethylene by itself having no tensile property and being present in said composition in an amount effective to enable the component to withstand this temperature with the high temperature exposure of the cable component being effective to thermally transform the composition in the solid state thereby obtaining epitaxial co crystallization.

No. of Pages : 31 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2012

(21) Application No.11138/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MELT FABRICABLE TETRAFLUOROETHYLENE/PERFLUORO (ALKY VINYL ETHER) COPOLYMER COMPOSITION HAVING IMPROVED HEAT AGING PROPERTY

(51) International classification :C08L27/18,B29C71/00,C08F6/26
(31) Priority Document No :61/371267
(32) Priority Date :06/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/046692
Filing Date :05/08/2011
(87) International Publication No :WO 2012/019070
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)LAHIJANI Jacob**

(57) Abstract :
Heat aging of the composition comprising melt fabricable tetrafluoroethylene/perfluoro(alkyl vinyl ether) copolymer the alkyl containing 1 to 5 carbon atoms and melt flowable polytetrafluoroethylene is effective to cause thermal transformation of the composition in the solid state characterized by epitaxial co crystallization of the polymer components of the composition and other valuable changes such as increased continuous use temperature.

No. of Pages : 43 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2012

(21) Application No.11142/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : POLYPEPTIDE COMPOSITION

(51) International classification :C08F
(31) Priority Document No :0404374.1
(32) Priority Date :27/02/2004
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2005/000769
Filing Date :28/02/2005
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :5617/DELNP/2006
Filed on :26/09/2006

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**2)CRUTCHER Keith Alan**

(57) Abstract :
The invention relates to polypeptides comprising repeats of peptides derived from apolipoproteins which exhibit antibacterial activity and to nucleic acids encoding the same. The invention further provides the use of such polypeptides derivatives analogues or nucleic acids as medicaments and also their use in methods of preventing or treating bacterial infection or objects and surfaces. The invention further extends to objects such as contact lenses coated with the polypeptides.

No. of Pages : 70 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2012

(21) Application No.11146/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHODS FOR THE MANUFACTURE OF FUEL PELLETS AND OTHER PRODUCTS FROM LIGNOCELLULOSIC BIOMASS

(51) International classification :C12N
(31) Priority Document No :61/352,579
(32) Priority Date :08/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/039664
Filing Date :08/06/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)HARRIS Kenneth Hillel Peter**

(57) Abstract :
The present invention is directed to a method for producing products such as fuel pellets from lignocellulosic biomass. Lignocellulosic biomass having a moisture content of less than about 30% by weight is introduced into a reactor. A vacuum of less than about 500 torr is applied to the reactor. Steam having a temperature of between about 180°C and about 235°C is injected into the reactor. The biomass is maintained in the reactor between about 1 and about 12 minutes. The treated biomass having a moisture content less than about 30% by weight is removed from the reactor. Treated biomass is formed into a pellet.

No. of Pages : 22 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11149/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FLUIDIZED BED REACTOR SYSTEM

(51) International classification :B01J8/12,B01J8/26,B01J8/34
(31) Priority Document No :A 964/2010
(32) Priority Date :11/06/2010
(33) Name of priority country :Austria
(86) International Application No :PCT/AT2011/000254
Filing Date :08/06/2011
(87) International Publication No :WO 2011/153568
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)SCHMID Johannes**
**3)PFEIFER Christoph**
**4)HOFBAUER Hermann**

(57) Abstract :
The invention relates to a fluidized bed reactor system consisting of at least two fluidized bed reactors comprising a first and a second reactor (1 2) which are each designed as a circulating fluidized bed a particle line (7) comprising a particle separator (3) for transporting fluidized bed particles from the first into the second reactor and a particle line (17) leading out in the lower half of the second reactor (2) for transporting fluidized bed particles back into the first reactor (1) characterized in that at least in the second reactor (2) reaction zones (9 10 22) that are separated from one another by one or more flow regulators (18 21) are provided and the particle line (7) opens into the second reactor (2) above at least one flow regulator (18).

No. of Pages : 30 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11150/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HEAT SHRINKABLE BUBBLE WRAPPING MACHINE

(51) International classification :B25B
(31) Priority Document No :12/801,126
(32) Priority Date :24/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/000879
Filing Date :18/05/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)Alain CERF**

(57) Abstract :
This invention is to replace the need for a corrugated carton by wrapping an article with a heat shrinkable bubble wrap film. Heat shrinking the bubble wrap will allow the bubble wrap to shrink sufficiently to conform to an article such as a group of containers e.g. bottles. Because of the inability of the bubble wrap film to tightly shrink around the containers the containers can move and bump each other. To ensure stability the bubble wrapped article is film wrapped with a heat shrink film and heat shrunk to provide an article that does not require a corrugated box for to ensure the integrity of the containers.

No. of Pages : 11 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11151/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DENTAL TURBINE DRILL

(51) International classification :A61C1/05,A61C1/14,A61C1/16
(31) Priority Document No :PCT/CN2010/073256
(32) Priority Date :26/05/2010
(33) Name of priority country :PCT
(86) International Application No:PCT/CN2011/072262
Filing Date :29/03/2011
(87) International Publication No :WO 2011/147228
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)ZHANG Chun**
**2)LIU Xiaoxia**

(57) Abstract :
A dental turbine drill comprises a handle and a head which is connected to the handle the head is composed of a head housing(1) and a core(2) which is positioned within a head housing cavity the head housing(1) is composed of a head housing wall(181) and a head housing cover(182) the core(2) is composed of a connecting shaft turbine and an upper bearing (221) and a lower bearing(222) the upper bearing(221) and the lower bearing(222) are respectively sleeved on an upper portion and a lower portion of a turbine shaft(281) of the connecting shaft turbine and placed on the corresponding bearing seats(11 12) which are in the head housing(1) a turbine cavity(13) is formed between the upper bearing(221) and the lower bearing(222) the turbine cavity(13) has an air inlet channel and an air returning channel an upper air outlet channel is positioned above the upper bearing(221) and a lower air outlet channel is positioned below the lower bearing (222) a handle neck(81) is located the place where the handle is connected to the head housing(1) the materials of the head housing(1) and the handle are both plastics. LED label lamps(31) are positioned on the outside of the head housing wall(181) and around a machine needle jack the LED label lamps(31) are connected to a power source and a switch the switch refers to an air operated film switch which is placed on the lower air outlet channel. The air operated film switch is very thin and the thickness of the LED label lamps(31) is also not large. Thus the switch and the lamps are positioned on the head with the volume of the head increased very little.

No. of Pages : 44 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11152/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : INSPECTION SYSTEM FOR IN LINE INSPECTION OF PRINTED MATERIAL PRODUCED ON AN INTAGLIO PRINTING PRESS

(51) International classification :B41F9/02,B41F21/08,B41F21/10
(31) Priority Document No :10167431.5
(32) Priority Date :25/06/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/IB2011/052791
Filing Date :24/06/2011
(87) International Publication No :WO 2011/161656
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)SCHAEDE Johannes Georg**
**2)TRKE Thomas**
**3)SCHWITZKY Volkmar Rolf**

(57) Abstract :
There is described an inspection system (50) for in line inspection of sheet or web material on an intaglio printing press wherein the inspection system comprises an optical quality control apparatus for carrying out inspection of a printed area on a printed side of the sheet or web material the optical quality control apparatus including a camera system (55) with one or more camera units each comprising at least one line scan camera (56) for scanning and acquiring an image of the printed area while the sheet or web material is being transported in the intaglio printing press past the camera system (55). A location of the at least one line scan camera (56) in the intaglio printing press along a delivery path of the sheet or web material is such that cyclical vibrations that spread periodically throughout the intaglio printing press during operation of the intaglio printing press do not occur while the camera system (55) is scanning the printed area of the sheet or web material and acquiring a complete image of the printed area.

No. of Pages : 34 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11159/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR COMPUTER AIDED CONTROL OF THE ELECTRICAL POWER CONSUMPTION OF A PLURALITY OF POWER CONSUMERS IN AN ELECTRICAL POWER GRID

(51) International classification :H02J3/12,H02J13/00,G05F1/00
(31) Priority Document No :10 2010 033 756.0
(32) Priority Date :09/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/061642
Filing Date :08/07/2011
(87) International Publication No :WO 2012/019837
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)EGER Kolja**
**2)GERDES Christoph**
**3)V–LKSEN Gerd**

(57) Abstract :
The invention relates to a method for computer-aided control of the electrical power consumption of a plurality of power consumers in an electrical power grid, wherein the power consumers represent network nodes (Pi, P2, ..., P8) of a distributed communication network made of a plurality of network nodes (Pi, P2,..., P8), in which the power consumers can communicate with each other. In a method according to the invention, the network nodes (Pi, P2, ..., P8) estimate the total power consumption (TE, TE) of the plurality of network nodes (Pi, P2, ..., P8) on the basis of the exchange of information with at least one other network node (Pi, P2,..., P8). Each network node (Pi, P2, ..., P8), the power demand of which increases by a required amount of power (D.x), compares the total power consumption (TE, TE) estimated by same plus the required amount of power (llx) to a predefined total power demand (lC) of the plurality of network nodes (Pi, P2,o .., P8) and initiates a delivery of the required amount of power (llX) from a power provider (t) if the estimated total power demand (TE, TE) thereof plus the required amount of power (D.x) is less than the predefined total power demand (lC) by at least a predetermined threshold value.

No. of Pages : 24 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11160/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : AN ASSEMBLY RIG FOR ASSEMBLING A WIND TURBINE TOWER OR WIND TURBINE TOWER SECTIONS AND A RESPECTIVE METHOD

(51) International classification :E04H12/34,F03D1/00,F03D11/04
(31) Priority Document No :10007200.8
(32) Priority Date :13/07/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/059188
Filing Date :03/06/2011
(87) International Publication No :WO 2012/007226
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)KJAER Henning**
**2)LARSEN Bent Juul**
**3)HELTOFT Lars**
**4)KRYGER Arne**

(57) Abstract :
An assembly rig for assembling a wind turbine tower or wind turbine tower sections comprising: a platform assembly comprising a vertically oriented mast and one or more substantially horizontally oriented booms which are connected to the vertically oriented mast comprising a platform or a personnel basket; a radial segment supporting assembly comprising a vertically oriented mast and one or more substantially horizontally oriented booms connected to the vertically oriented mast comprising a segment holding means at its distal end; and a surface in particular a ground support boom for supporting and levelling said platform assembly and said radial segment supporting assembly.

No. of Pages : 19 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11161/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ARRANGEMENT FOR PIVOTABLY CONNECTING A FIRST HOUSING PART TO A SECOND HOUSING PART OF A DISTRIBUTION CABINET AND DISTRIBUTION CABINET

(51) International classification :H05K7/18
(31) Priority Document No :10 2010 026 679.5
(32) Priority Date :09/07/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/060486
Filing Date :22/06/2011
(87) International Publication No :WO 2012/004130
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)MLLER Gerhard**
**2)ZEMPELIN Jens**

(57) Abstract :
The arrangement according to the invention for pivotably connecting a first housing part (10) to a second housing part (20) of a distribution cabinet comprises a first hinge element (11) which can be fastened to a side wall of the first housing part (10) by means of a positioning screw (12) and comprises an axis member (14) which is provided for implementing a rotary movement of the second housing part (20) about a rotational axis (D). The arrangement further comprises a second hinge element (21) which can be rigidly coupled to the second housing part (20) and comprises a holder (22) for the axis member (14) in order to pivotably connect the first housing part (10) to the second housing part (20). The first hinge element (11) comprises a threaded stud (15) which can be screwed into a threaded hole (16) of the first hinge element (11) such that the position of the axis member (14) relative to the first hinge cabinet part (10) can be adjusted in a y direction which is oriented transversely to the rotational axis and substantially perpendicularly to the side wall of the first housing part (10). To this end the first hinge element (11) comprises a lock screw (17) which cooperates with the threaded stud (15) such that the position of the first hinge element (11) is fixed in the y direction when the lock screw (17) is tightened.

No. of Pages : 19 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11162/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : GEAR ARRANGEMENT

(51) International classification :F16H55/18
(31) Priority Document No :A 1047/2010
(32) Priority Date :23/06/2010
(33) Name of priority country :Austria
(86) International Application No :PCT/AT2011/000279
Filing Date :22/06/2011
(87) International Publication No :WO 2011/160153
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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(57) Abstract :
The invention relates to a gear arrangement (1), comprising a main gear (2) and a gear (4) that can be rotated relative to the main gear in the circumferential direction (3), wherein the main gear (2) or the rotatable gear (4) has at least one supporting web (12) that protrudes in the axial direction (7) and the rotatable gear (4) or the main gear (2) has at least one opening (16), in which the supporting web (12) is at least partially accommodated, wherein the opening (16) 10 has a dimension in the circumferential direction (3) that is greater than the dimension of the supporting web (12) in the same direction, and comprising at least one spring element (10), which acts in the circumferential direction (3) of the main gear (2) and which is arranged on a lateral surface (13) of the supporting web (12) or on a lateral surface (17) of the opening (16) and at least partially within the opening (16). The spring element (10) is connected to thesup- 15 porting web (12) or the lateral surface (17) ofthe opening (16).

No. of Pages : 18 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11163/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SYSTEM FOR POSITIONAL MEASUREMENT IN A COUPLING DEVICE

(51) International classification :F16D3/50,G01B7/31
(31) Priority Document No :10507200
(32) Priority Date :30/06/2010
(33) Name of priority country :Sweden
(86) International Application No :PCT/SE2011/050890
Filing Date :30/06/2011
(87) International Publication No :WO 2012/002901
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)SANDSTR–M Peter**
**3)KRON Clas**
**4)LINDE Petter**

(57) Abstract :
The present invention relates to a system (S) for measuring the position of a coupling member (1) that comprises a shaft part (2) a first flange (3) a second flange (4) and a first resilient bushing (5) which secures the first flange (3) to the shaft part (2) and a second resilient bushing (6) which secures the second flange (4) to the shaft part (2). Each resilient bushing (5 6) is arranged with a resilient yield between the respective flange (3 4) and the shaft part (2). The flanges (3 4) are intended to be secured to a respective first shaft (7) and second shaft (8). When the coupling member (1) is placed between the first shaft (7) and the second shaft (8) it is intended to transfer a rotation movement from the first shaft (7) to the second shaft (8). The system (S) further comprises at least a first head unit (9) mounted on a first fixture (10) where the first fixture (10) is designed to be mounted between the first flange (3) and the shaft part (2) via existing mounting elements for the first resilient bushing (5). The fixture (10) comprises at least one sensor (15) arranged for position measurement between the first flange (3) and the shaft part (2).

No. of Pages : 28 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11164/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : POLYTHIOETHER POLYMERS METHODS FOR PREPARATION THEREOF AND COMPOSITIONS COMPRISING THEM

(51) International classification :C08G75/02,C08G75/12,C09J181/02
(31) Priority Document No :12/823206
(32) Priority Date :25/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/041214
Filing Date :21/06/2011
(87) International Publication No :WO 2011/163202
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)LIN Renhe**
**3)RAO Chandra B.**

(57) Abstract :
Dislcosed are poilythioethers that are the reaction product of reactants that include: a) an isocyanurate containing trithiol; b) a polythiol different from (a); and c) a diene. Also disclosed are compositions such as sealant compositions that include such polythioethers.

No. of Pages : 29 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11165/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DETERGENT PRODUCT

(51) International classification :C11D17/04,D01F1/10
(31) Priority Document No :61/361126
(32) Priority Date :02/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/042657
Filing Date :30/06/2011
(87) International Publication No :WO 2012/003360
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**5)DREHER Andreas Josef**
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(57) Abstract :
A detergent product containing a detergent composition is provided.

No. of Pages : 98 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11166/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR CONFIGURING A DISTRIBUTED AVIONICS CONTROL SYSTEM

(51) International classification :G06F9/48,G06F9/50
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/SE2010/050779
Filing Date :05/07/2010
(87) International Publication No :WO 2012/005637
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)PETTERSSON Anders**

(57) Abstract :
The present invention relates to a method for configuring synchronous table driven operations of a distributed avionics control system comprising a plurality of processing nodes (S1 S4) interconnected in a network (2). The method comprises the steps of providing a global timing meta data component (X4) a plurality of application meta data components (X51 X52) and a node assignment meta data component (X 2). The method also comprises the steps of detecting data communication paths detecting communication requirements generating a system schedule meta data component generating a system configuration data and providing the system configuration to the distributed avionics control system.

No. of Pages : 58 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11169/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : LUBRICANT COMPOSITIONS FOR MOTOR VEHICLE TRANSMISSIONS

(51) International classification :C07C
(31) Priority Document No :1055108
(32) Priority Date :25/06/2010
(33) Name of priority country :France
(86) International Application No :PCT/IB2011/052801
Filing Date :24/06/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)MATRAY Emmanuel**
**2)VERNAY Richard**

(57) Abstract :
The invention relates to a lubricant composition comprising: (a) an organomolybdenum compound (b) one or more antiwear and extreme pressure additives chosen from thia(di)azoles (c) one or more phosphorus-containing and/or phosphorus-sulphur-containing antiwear and extreme pressure additives chosen from phosphites phosphates phosphonates thiophosphates or thiophosphites said lubricant composition having a weight content of molybdenum between 90 and 350 ppm. Use for the lubrication of gearboxes.

No. of Pages : 22 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11171/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PROVISIONING MULTIPLE NETWORK RESOURCES

(51) International classification :G06Q10/00
(31) Priority Document No :12/824723
(32) Priority Date :28/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/042050
Filing Date :27/06/2011
(87) International Publication No :WO 2012/006034
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**3)SHANKARAN Nishanth**
**4)BALAKRISHNAN Venkates P.**
**5)PARE Geoffrey Scott**
**6)MEIKE Blake**
**7)WHITAKER Christopher**

(57) Abstract :
A resource provisioning service allows users to provision multiple different network resources in an atomic manner and with a single call to a resource provisioning service. In some instances the multiple different network resources comprise individual types of resources that form a portion of one or more cloud computing platforms. For instance one or more entities may host and operate a cloud computing platform that includes different types of network resources such a storage service a load balancing service a compute service a security service or any other similar or different type of network accessible service.

No. of Pages : 55 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11172/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PROCESS FOR MANUFACTURING COLD BITUMINOUS MIXES COLD BITUMINOUS MIXES WITH CONTROLLED WORKABILITY AND USE THEREOF FOR PRODUCING ROAD PAVEMENTS

(51) International classification :E01C19/10
(31) Priority Document No :1002368
(32) Priority Date :04/06/2010
(33) Name of priority country :France
(86) International Application No :PCT/EP2011/059066
Filing Date :01/06/2011
(87) International Publication No :WO 2011/151387
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)GARBAY Mathieu**

(57) Abstract :
The prsent invention relates to a process for producing cold bituminous mixes, comprising the following successive steps: a. in a mixer, coating, at ambient temprature, ail of the solid minerai fractions with ail of the binder in emulsion, and optionally a portion of fluxing agent, over a time interval T sufficient to observe a coating of the mix; then b . at the end of the time interval T, adding the remaining amount of fluxing agent, over a time interval t, such that the T/t ratio is greater than 2, the other mixing conditions of steps a) and b) being otherwise substantially identical. The prsent invention also relates to cold bituminous mixes, capable of being obtained by the process according to the invention and the use thereof for the production of wearing courses, the production of emulsion-stabilized gravels or the production of storage-grade mixes.

No. of Pages : 28 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11173/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : NOVEL QUINOLINE ESTERS USEFUL FOR TREATING SKIN DISORDERS

| | |
|---|---|
| (51) International classification | :C07D215/16,C07D215/18,A61K31/4418 |
| (31) Priority Document No | :61/362320 |
| (32) Priority Date | :08/07/2010 |
| (33) Name of priority country | :U.S.A. |
| (86) International Application No<br>Filing Date | :PCT/IB2011/052984<br>:05/07/2011 |
| (87) International Publication No | :WO 2012/004748 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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(72)**Name of Inventor :**
**1)BERNOTAS Ronald Charles**
**2)SINGHAUS Robert**
**3)NAGPAL Sunil**
**4)THOMPSON Catherine**

(57) Abstract :
Disclosed are quinoline esters of Formula (I):(I) which are useful as Liver X receptors (LXR) modulators. Pharmaceutical compositions containing quinoline esters of Formula (I) and the use of quinoline esters of Formula (I) in the safe treatment of various skin disorders are also disclosed. Methods for preparing and using quinoline esters are further described.

No. of Pages : 47 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11174/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DEVICE FOR PRODUCING AN ARCHIMEDES SCREW

(51) International classification :B65G33/26
(31) Priority Document No :10/02824
(32) Priority Date :05/07/2010
(33) Name of priority country :France
(86) International Application No :PCT/FR2011/000390
Filing Date :04/07/2011
(87) International Publication No :WO 2012/004470
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)EXVENTYS**
Address of Applicant :avenue Archim¨de F 02100 Saint Quentin France
(72)**Name of Inventor :**
**1)OSMANI Samir**

(57) Abstract :
A device for improving the method of manufacturing Archimedes screws by assembling sectors. The invention relates to a device for producing an Archimedes screw by assembling sectors on a shaft (13) without forming gaps, cutting edges or weak rgions between one another and ensuring the continuity of the turns of which said screw consists. It consists of a sector (3) having a turn with a length equal to one screw thread and having a geometry that enables it to be interlocked with another, identical sector (3). The turn sits on a core, the geometry of which is obtained by following in each case a helical generatrix which is offset through at least one turn thickness. The terminal face of the turn is inclined at an angle with respect to the axis of the sector. The device according to the invention is particularly intended for the production of Systems for metering or pumping viscous, pulvrulent or granular products, said Systems comprising at least one Archimedes screw.

No. of Pages : 25 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11178/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : IMPROVED METHOD OF SENSOR MEASUREMENT

(51) International classification :G01N21/27,G01N21/41,G01N21/55
(31) Priority Document No :10005676
(32) Priority Date :27/05/2010
(33) Name of priority country :Sweden
(86) International Application No :PCT/EP2011/058574
Filing Date :25/05/2011
(87) International Publication No :WO 2011/147879
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)EPISENTEC AB**
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(72)**Name of Inventor :**
**1)HANNING Anders**

(57) Abstract :
The present invention provides a method of determining the amount of an optical probe species binding to or releasing from an optical sensor surface characterized in that the determination comprises the steps of determining at least one physical measurand (xn) that is related to the refractive index of said probe at one single wavelength or at more than one wavelength and further comprises determining at least one physical measurand (x2j) that is related to the absorptivity of said probe at one single wavelength or at more than one wavelength and further correlating the values of said measurands to the amount of said optical probe species binding to or releasing from said surface respectively. There is also provided methodsfor calibration of an optical sensor as well as reagent kits and a computer program product.

No. of Pages : 68 No. of Claims : 47

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11179/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : IMPROVED DETECTION SYSTEM

(51) International classification :A01K29/00,G08B13/00
(31) Priority Document No :585936
(32) Priority Date :04/06/2010
(33) Name of priority country :New Zealand
(86) International Application No :PCT/NZ2011/000097
Filing Date :03/06/2011
(87) International Publication No :WO 2011/152739
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)CAMENT LIMITED**
Address of Applicant :49 Benson Road Te Awamutu 3800 New Zealand
(72)**Name of Inventor :**
**1)FOLKERS Christianus Johannes**

(57) Abstract :
A detection tag and apparatus for the detection of the reproductive status of animals or for assisting in the drafting of selected animals. The detection tag is capable of electronically transmitting a signal. Tags for detecting the reproductive status of an animal have a first surface that is affixable to the hide of an animal and a second and opposite surface which includes abradable material. Such detection tags are configured such that removal of some or all of the abradable material alters the ability of the detection tag to transmit a signal electronically or alters a characteristic of the electronically transmitted signal. A tag reader is used to read the signal from the tag. The detection tag can include an RF/EMF blocking circuit/loop and/or removable flood coat layer which is damaged/removed partially or completely during mounting of the animal allowing the tag to indicate a status change.

No. of Pages : 50 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11180/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : GLASS BENDING METHOD AND APPARATUS

(51) International classification :C03B
(31) Priority Document No :61/504147
(32) Priority Date :01/07/2011
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2012/044612
Filing Date :28/06/2012
(87) International Publication No :WO 2013/006371
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)JUDKINS Zachary S.**
**2)BOURNE Benjamin C.**
**3)BERRADA Amine**

(57) Abstract :
A sag bending glass mold for creating a partial parabolic curved glass sheet is disclosed. The glass mold comprises a glass support surface having a cross sectional profile of varying height. The cross sectional profile has a first portion with profile of a non parabolic linear square root composite shape. A method for forming a partial parabolic glass sheet is also disclosed. The method comprises positioning a planar glass sheet on a sag bending mold having a linear square root composite shape and deforming the glass sheet to follow the linear square root composite shape of the sag bending mold.

No. of Pages : 32 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11182/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SOLAR TRACKER DRIVE

(51) International classification :F24J2/38,F24J2/54,F24J2/40
(31) Priority Document No :61/445181
(32) Priority Date :22/02/2011
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2012/026173
Filing Date :22/02/2012
(87) International Publication No :WO 2012/116102
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)SUNPOWER CORPORATION**
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(72)**Name of Inventor :**
**1)ALMY Charles**
**2)BARTON Nicholas**

(57) Abstract :
A solar energy collection system can include a drive configured to adjust a tilt position of a solar collector assembly so as to tract the sun. The drive can include hardware for providing feedback control of the orientation of the solar collector assembly. A method for calibrating the drive can include moving the drive to a reference position and saving an output value from a sensor configured to detect the orientation of the drive. The reference value output from the sensor can then be used in determining the target output value from the sensor required to achieve a desired orientation.

No. of Pages : 31 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11183/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : LOCATING CONNECTORS AND METHODS FOR MOUNTING SOLAR HARDWARE

(51) International classification :H01L31/052,F24J2/06,F24J2/52
(31) Priority Document No :12/977006
(32) Priority Date :22/12/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/065506
Filing Date :16/12/2011
(87) International Publication No :WO 2012/087827
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)WARES Brian**
**2)ALMY Charles**

(57) Abstract :
A solar concentrator assembly can include edge solar receiver assemblies that are connected to pivotable frames with locating connections. The locating connections can be in the form of cam devices or tool less connections formed by snap fitting devices as well as tool less cam devices.

No. of Pages : 42 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/02/2013

(21) Application No.1020/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DEFENSIN VARIANTS AND METHODS OF USE

(51) International classification :C12N15/82,A01N37/46,A01H5/00
(31) Priority Document No :61/376029
(32) Priority Date :23/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/048364
Filing Date :19/08/2011
(87) International Publication No :WO 2012/027209
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**2)GRANT Susan L.**
**3)POLLACK Jeffrey S.**
**4)RITLAND Julia L.**
**5)SANDAHL Gary A.**

(57) Abstract :
Compositions and methods for protecting a plant from a pathogen particularly a fungal pathogen are provided. Compositions include amino acid sequences and variants and fragments thereof for novel variants of antipathogenic polypeptides generated through DNA shuffling that exhibit improved antipathogenic activity. Polynucleotides that encode the antipathogenic polypeptides are also provided. A method for inducing pathogen resistance in a plant using the polynucleotides disclosed herein is further provided. Compositions comprising an antipathogenic polypeptide or a microorganism comprising an antipathogenic polynucleotide of the invention in combination with a carrier and methods of using these compositions to protect a plant from a pathogen are further provided. Plants plant cells seeds and microorganisms comprising an antipathogenic polnucleotide or polypeptide of the invention are also disclosed.

No. of Pages : 114 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/12/2012

(21) Application No.11201/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : 2 QUINOLINYL ACETIC ACID DERIVATIVES AS HIV ANTIVIRAL COMPOUNDS

(51) International classification :C07D215/06,C07D215/14,C07D215/18
(31) Priority Document No :61/361335
(32) Priority Date :02/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/042881
Filing Date :01/07/2011
(87) International Publication No :WO 2012/003498
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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**2)BJORNSON Kyla**
**3)GUO Hongyan**
**4)HALCOMB Randall L.**
**5)LINK John O.**
**6)LIU Hongtao**
**7)MITCHELL Michael L.**
**8)SUN Jianyu**
**9)VIVIAN Randall W.**
**10)XU Lianhong**
**11)TAYLOR James**

(57) Abstract :
The invention provides compounds of formula (I): or a salt thereof as described herein. The invention also provides pharmaceutical compositions comprising a compound of formula (I) processes for preparing compounds of formula (I) intermediates useful for preparing compounds of formula I and therapeutic methods for treating the proliferation of the HIV virus treating AIDS or delaying the onset of AIDS or ARC symptoms in a mammal using compounds of formula (I).

No. of Pages : 346 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/12/2012

(21) Application No.11202/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : NAPHT 2 YLACETIC ACID DERIVATIVES TO TREAT AIDS

| | |
|---|---|
| (51) International classification | :C07D205/04,C07D215/04,C07D309/10 |
| (31) Priority Document No | :61/361314 |
| (32) Priority Date | :02/07/2010 |
| (33) Name of priority country | :U.S.A. |
| (86) International Application No<br>Filing Date | :PCT/US2011/042880<br>:01/07/2011 |
| (87) International Publication No | :WO 2012/003497 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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**12)LIU Hongtao**
**13)TAYLOR James**
**14)BACON Elizabeth**
**15)HRVATIN Paul**

(57) Abstract :
The invention provides compounds of formula (I): or a salt thereof as described herein. The invention also provides pharmaceutical compositions comprising a compound of formula I processes for preparing compounds of formula (I) intermediates useful for preparing compounds of formula I and therapeutic methods for treating the proliferation of the HIV virus treating AIDS or delaying the onset of AIDS or ARC symptoms in a mammal using compounds of formula (I).

No. of Pages : 442 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/12/2012

(21) Application No.11203/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PRODUCTION OF ULTRAFINE PARTICLES IN A PLASMA SYSTEM HAVING CONTROLLED PRESSURE ZONES

(51) International classification :H05H1/24,B01J19/08,B82Y30/00
(31) Priority Document No :12/824994
(32) Priority Date :28/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/033000
Filing Date :19/04/2011
(87) International Publication No :WO 2012/003029
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)HUNG Cheng Hung**
**2)VANIER Noel R.**

(57) Abstract :
A system and method for making ultrafine particles are disclosed. A high temperature plasma (22) is generated at an inlet end of a plasma chamber (10) into which precursor materials are introduced. A converging member (30) is located adjacent an outlet end (40) of the plasma chamber (10). During operation a substantially constant pressure and/or material flow pattern is maintained to reduce or eliminate fouling of the system.

No. of Pages : 26 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/12/2012

(21) Application No.11204/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : TREATMENT OF COGNITIVE DISORDERS

(51) International classification :A61P25/28,A61K31/4415,A61K31/519
(31) Priority Document No :61/360759
(32) Priority Date :01/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/GB2010/051557
Filing Date :17/09/2010
(87) International Publication No :WO 2012/001336
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)SMITH Anthony David**
**2)REFSUM Helga Margareta**

(57) Abstract :
The invention relates to treatments of cognitive disorders e.g. Mild Cognitive Disorder comprising the use of agents which are capable of lowering homocysteine levels in a subject preferably a human subject. Aspects of the invention relate to a method of treating such disorders comprising administering one or more B vitamins e.g. folic acid Vitamin B and/or Vitamin B or derivatives thereof.

No. of Pages : 62 No. of Claims : 85

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/12/2012

(21) Application No.11205/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : COMPOSITE PARTICLES WHICH CONTAIN BOTH CELLULOSE AND INORGANIC COMPOUND

(51) International classification :C08J3/12,A61K9/14,A61K9/20
(31) Priority Document No :2010147663
(32) Priority Date :29/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/064420
Filing Date :23/06/2011
(87) International Publication No :WO 2012/002253
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)MAGOME Takumi**
**2)OBAE Kazuhiro**

(57) Abstract :
Provided are composite particles which exhibit excellent fluidity and high liquid retentivity and which exhibit high fluidity even in a liquid holding state. Also provided are composite particles which permit direct compressing in an open feed manner and which suffer from little compressing trouble and exhibit high shapability. When shaped together with an active ingredient the composite particles provide shaped bodies which have uniform weight uniform active ingredient content and high hardness and which suffer from less galling.

No. of Pages : 94 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11184/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PASSIVE FLOW ACCELERATOR

(51) International classification :H01L31/052
(31) Priority Document No :12/822893
(32) Priority Date :24/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/041182
Filing Date :21/06/2011
(87) International Publication No :WO 2011/163182
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)LINDERMAN Ryan**

(57) Abstract :
Methods and apparatuses to increase a speed of airflow through a heat exchanger are described. An optoelectronic device comprising a heat exchanger is coupled to an airflow accelerator. The airflow accelerator comprises a surface to guide the airflow towards the heat exchanger. An optical element is coupled to concentrate light onto the optoelectronic device. The size of the surface position of the airflow accelerator relative to the heat exchanger or both can determine increase in speed of the airflow. A photovoltaic (PV) system comprises rows of receivers; rows of optical elements to concentrate light onto the receivers and rows of airflow accelerators coupled to the receivers to increase the speed of airflow through heat exchangers. The airflow can be deflected by an airflow accelerator towards a heat exchanger. A wind load can be reduced by the airflow accelerator.

No. of Pages : 48 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11186/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A METHOD FOR PERFORMING CONDITION MONITORING IN A WIND FARM

(51) International classification :F03D11/00
(31) Priority Document No :PA 2010 70295
(32) Priority Date :28/06/2010
(33) Name of priority country :Denmark
(86) International Application No :PCT/DK2011/050240
Filing Date :27/06/2011
(87) International Publication No :WO 2012/000506
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)KHOON PENG Lim**
**2)ZHOU Yu**
**3)CHEN Wanying**

(57) Abstract :
A method for performing condition monitoring on a plurality of wind turbines arranged in a wind farm is disclosed. The method comprises the steps of: for each wind turbine obtaining at least one vibration signal each vibration signal representing vibrations of one or more monitored components of the wind turbine e.g. moving gear parts or bearings; generating a plurality of faulty frequency indexes each faulty frequency index corresponding to a monitored component each faulty frequency index being generated on the basis of one or more of the obtained vibration signals and each faulty frequency index being generated in such a manner that variations in the vibration signals introduced by variations in rotational speed of one or more rotating shafts of the wind turbine are filtered out; comparing faulty frequency indexes originating from different wind turbines of the wind farm; and based on the comparing step evaluating the condition of each of the monitored components of the plurality of wind turbines. The method allows vibration levels of components to be easily compared on wind farm level and faulty or failing components are easily and reliably detected.

No. of Pages : 17 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11187/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CONTROL OF WIND TURBINES IN A WIND PARK

(51) International classification :F03D11/00,F03D7/04,F03D9/00
(31) Priority Document No :61/356857
(32) Priority Date :21/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/DK2011/050221
Filing Date :19/06/2011
(87) International Publication No:WO 2011/160634
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)BOWYER Robert**
**2)SAREEN Ashish**
**3)BYREDDY Chakradhar**

(57) Abstract :
A wind park comprises a plurality of wind turbines with a least one wind turbine downstream of at least one upstream turbine (20). The downstream turbine (24) includes a Lidar (26) or other device for sensing characteristics of the wake (22) produced by the upstream turbine and for providing an output to a turbine or wind park controller (28) indicative of the measured wake. The controller controls parameters of the downstream turbine and possibly adjacent turbines in accordance with the wake indicative signals. The control may include overrating the downstream turbine if the wake indicative signal indicates that there is a low risk of fatigue damage to components of the downstream turbine.

No. of Pages : 19 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11188/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ESTIMATION OF WIND CONDITIONS AT A WIND TURBINE

(51) International classification :G01W1/10,F03D7/04
(31) Priority Document No :1010400.8
(32) Priority Date :21/06/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/051127
Filing Date :16/06/2011
(87) International Publication No :WO 2011/161434
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)VESTAS WIND SYSTEMS A/S**
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(72)**Name of Inventor :**
**1)EVANS Martin**

(57) Abstract :
The risk of an extreme gust of wind hitting a wind turbine is estimated by gathering data from one or more sensors for use as training data. This data is acquired over a period of time and is converted in to a feature vector for a given time period by a statistical measure. A number of feature zones are formed each zone relating to a different estimate of risk with each feature vector being assigned to a risk category. The risk category is defined with reference to the value of one or more chosen turbine parameters at the time the data was acquired. The feature zones are formed from from a measure of distance such as the mean and covariance of feature vectors from within a given category. Live data is processed by measuring the mahalonobis distance from the feature vector of the live data to the centre of each zone and the risk of an extreme gust is assessed as that of the feature zone to which the mahalonobis distance is lowest.

No. of Pages : 20 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/12/2012

(21) Application No.10956/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DISSIMILAR STEEL REHEAT CRACK SUSCEPTIBILITY TEST METHOD

(51) International classification :B23K31/12
(31) Priority Document No :201110253869.3
(32) Priority Date :31/08/2011
(33) Name of priority country :China
(86) International Application No :PCT/CN2012/071230
Filing Date :16/02/2012
(87) International Publication No :WO 2013/029351
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)LU Zhengran**

(57) Abstract :
A dissimilar steel reheat crack susceptibility test method with reference to the Weldability Testing Method of Y groove Cracking Test (GB4675.1 84) comprising test piece preparation test process and evaluation; a preferable welding rod is a welding rod matching with a metal material 1 or a metal material 2 or a welding rod with the grade thereof being between the metal material 1 and a metal material 2. The test can easily and reliably test and evaluate the dissimilar steel welding reheat crack susceptibility. Furthermore the test method can provide a reliable basis for the selection of optimum welding material and heat treatment temperature during the welding of dissimilar steel.

No. of Pages : 13 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/12/2012

(21) Application No.10957/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : GAS CUTTING GUIDE DEVICE

(51) International classification :B23K7/10
(31) Priority Document No :201110170279.4
(32) Priority Date :23/06/2011
(33) Name of priority country :China
(86) International Application No :PCT/CN2012/071237
Filing Date :16/02/2012
(87) International Publication No :WO 2012/174869
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)CHEN Li**
**2)SUN Houbin**
**3)GU Weihong**
**4)XIN Wei**

(57) Abstract :
Disclosed is a gas cutting guide device comprising a clamping positioning mechanism and a variable speed transmission mechanism (11). The clamping positioning mechanism comprises an end cap connection guide mechanism and a cutting torch mounting positioning mechanism. The end cap connection guide mechanism comprises a magnetic block (1) and a guide block (3). The magnetic block (1) is fixedly mounted on an end surface of an end cap (13) of a tube and a threaded core shaft (102) is disposed at a central position of an end surface of the magnetic block (1). The guide block (3) is fitted on the threaded core shaft (102) and is rotatable about the threaded core shaft (102). The variable speed transmission mechanism (11) is mounted on the threaded core shaft (102) of the magnetic block (1). The cutting torch mounting positioning mechanism is disposed on the guide block (3) and comprises a positioning block (7) disposed on the guide block (3) and slidable along the guide block (3) up and down and a clamping block (5) connected to the positioning block (7) and rotatable about the positioning block (7). The device is capable of guiding gas cutting of end caps of tubes with different diameters limiting the axial movement of a cutting torch in the process of gas cutting the end caps and improving forming of gas cut end surfaces of the tubes thereby having high universality and efficiency.

No. of Pages : 14 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/12/2012

(21) Application No.10959/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR ASSEMBLING AND DETECTING INNER PARTS OF SUPER LONG DEVICE

(51) International classification :F22B37/00
(31) Priority Document No :201110253882.9
(32) Priority Date :31/08/2011
(33) Name of priority country :China
(86) International Application No :PCT/CN2012/071234
Filing Date :16/02/2012
(87) International Publication No :WO 2013/029353
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)WANG Lei**
**2)ZHOU Weikang**
**3)WANG Yimin**
**4)LI Man**

(57) Abstract :
The invention provides a method for assembling and detecting inner parts of a super long device. The method is used for assembling and detecting connection of more than two parts of the inner parts. The method includes the step of repeatedly adjusting superposition of four midlines of each inner part and coaxial degree of each inner part thus exactly ascertaining the difference of middle axial line of inner parts guaranteeing assembly precision and solving the difficult problem of assembling the inner parts in the cooling part of coal gas.

No. of Pages : 15 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/12/2012

(21) Application No.11224/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PREFORM FOR PRODUCING PLASTIC CONTAINERS IN A STRETCH BLOW MOULDING PROCESS AND METHOD FOR PRODUCING THE PREFORM

| | |
|---|---|
| (51) International classification | :B29B11/14,B29C49/04,B29B11/10 |
| (31) Priority Document No | :1024/10 |
| (32) Priority Date | :24/06/2010 |
| (33) Name of priority country | :Switzerland |
| (86) International Application No<br>Filing Date | :PCT/EP2011/002461<br>:18/05/2011 |
| (87) International Publication No | :WO 2011/160748 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)SIEGL Robert**

(57) Abstract :
A preform (1) produced by extrusion blow moulding is proposed intended for producing plastic containers in a stretch blow moulding process and having a neck portion (4) and a body portion (2) closed by a preform base (3) which portions are separated from each other by a supporting ring (7) protruding from the outer wall. As a difference from the preforms that are known from the prior art the preform (1) according to the invention has a body portion (2) of which the outside diameter (a) narrows from the supporting ring (7) in the direction of the preform base (3). A method for producing the perform is also proposed.

No. of Pages : 19 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/12/2012

(21) Application No.10962/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : WELDING PROCESS FOR PROCESSING FEEDING FUNNEL

(51) International classification :B23K5/12,B23K5/02
(31) Priority Document No :201110253866.X
(32) Priority Date :31/08/2011
(33) Name of priority country :China
(86) International Application No :PCT/CN2012/071231
Filing Date :16/02/2012
(87) International Publication No :WO 2013/029352
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)HUANG Qiwei**
**2)YAO Yuan**
**3)KONG Geng**
**4)ZHANG Weiqun**

(57) Abstract :
A welding process for processing a feeding funnel. The funnel (1) is formed by splicing left and right funnel bodies (2 3). The funnel bodies are each formed by splicing two steel plates (21 22; 31 32). The steel plates are made of Q215 A materials. The splicing of the steel plates is performed by use of acetylene oxygen welding. When the welding process is used the heat of the flame is concentrated so that the thin steel plate can be welded through within a short period of time. On one hand the splicing effect is achieved and on the other hand defect such as steel plate melting or heat deformation is avoided and the welding seam has desirable appearance.

No. of Pages : 10 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/12/2012

(21) Application No.10967/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ANTHRANILIC ACID DIAMIDE DERIVATIVES

(51) International classification :C07C
(31) Priority Document No :61/354,905
(32) Priority Date :15/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2011/059698
Filing Date :10/06/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**2)CHRISTOPH GRONDAL**
**3)MARKUS HEIL**
**4)HEINZ JUERGEN WROBLOWSKY**
**5)ERNST RUDOLF GESING**
**6)CHRISTIAN FUNKE**
**7)OLGA MALSAM**
**8)ARND VOERSTE**
**9)ULRICH GORGENS**
**10)TETSUYA MURATA**

(57) Abstract :
The present invention relates to novel anthranilic acid derivatives of the general formula (I) in which R, R R, 3 , RR,S ,R 6,A , Q and n have the meanings given in the description, to their use as insecticides and acaricides for controlling animal pests, also in combination with other agents for activity 10 boosting, and a plurality of processes for their preparation.

No. of Pages : 118 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/12/2012

(21) Application No.11210/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : VEHICLE SEAT IN PARTICULAR COMMERCIAL VEHICLE SEAT

(51) International classification :B60N2/50,B60N2/52
(31) Priority Document No :10 2010 046 489.9
(32) Priority Date :20/09/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/004301
Filing Date :26/08/2011
(87) International Publication No :WO 2012/038019
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)WILHELM Wolfgang**
**2)REICHEL Uwe**

(57) Abstract :
For a vehicle seat (1) in particular a commercial vehicle seat comprising a scissor type frame (3) which can swing and the height of which can be adjusted a gas spring (12) at least one pair of rockers (8a 8b) which cross at a scissor axis (10) and a control device (20) for regulating the level and adjusting the height of the scissor type frame which control device comprises a carrier (34) a switching element (30) coupled to the carrier (34) and a valve device (24) for controlling the gas spring (12) which can be controlled by the switching element (30) wherein the carrier (34) and the valve device (24) are kinematically associated with different parts of the scissor type frame (3) that can be moved relative to each other the switching element (30) is rotatably mounted on the first rocker (8a) at a distance from the scissor axis (10) the valve device (24) is rigidly connected to the first rocker (8a) and the carrier (34) is designed as a bowden cable the core (34a) of which is coupled to the switching element (30) and the casing (34b) of which is rigidly connected to the second rocker (8b).

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/12/2012

(21) Application No.11211/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PROCESS FOR MAKING DRY AND STABLE HEMOSTATIC COMPOSITIONS

(51) International classification :A61K9/16,A61K9/19,A61K9/00
(31) Priority Document No :61/350266
(32) Priority Date :01/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2011/059062
Filing Date :01/06/2011
(87) International Publication No :WO 2011/151384
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)GOESSL Andreas**
**2)OSAWA Atsushi Edward**
**3)REICH Cary J.**

(57) Abstract :
Described is a process for making a dry and stable hemostatic composition said process comprising a) providing a first component comprising a dry preparation of a coagulation inducing agent b) providing a second component comprising a dry preparation of a biocompatible polymer suitable for use in hemostasis c) providing said first component and said second component in a combined form in a final container c1) either by filling said first component and said second component into said final container so as to obtain a dry mixture in said final container c2) or by providing said first component or said second component in said final container and adding said second component or said first component so as to obtain a combination of said first component with said second component in said final container d) finishing the final container to a storable pharmaceutical device containing said first component and said second component in a combined form as a dry and stable hemostatic composition.

No. of Pages : 21 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/12/2012

(21) Application No.11212/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PROCESS FOR MAKING DRY AND STABLE HEMOSTATIC COMPOSITIONS

(51) International classification :A61K9/14,A61K9/16,A61L24/10
(31) Priority Document No :61/350237
(32) Priority Date :01/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2011/059065
Filing Date :01/06/2011
(87) International Publication No :WO 2011/151386
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)GOESSL Andreas**

(57) Abstract :
Described is a process for making a dry and stable hemostatic composition said process comprising a) providing a dry granular preparation of a biocompatible polymer suitable for use in hemostasis b) coating the granules in said dry granular preparation with a preparation of a coagulation inducing agent thereby obtaining coagulation inducing agent coated polymer granules c) filling said coagulation inducing agent coated polymer granules into a final container d) finishing the final container to a storable pharmaceutical device containing said coagulation inducing agent coated polymer granules as a dry and stable hemostatic composition.

No. of Pages : 25 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/12/2012

(21) Application No.11213/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PROCESS FOR MAKING DRY AND STABLE HEMOSTATIC COMPOSITIONS

(51) International classification :A61K9/16,A61K9/19,A61K9/00
(31) Priority Document No :61/350214
(32) Priority Date :01/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2011/059114
Filing Date :01/06/2011
(87) International Publication No :WO 2011/151400
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**3)REICH Cary J.**

(57) Abstract :
Described is a process for making a dry and stable hemostatic composition said process comprising a) providing a first component comprising a dry preparation of a coagulation inducing agent b) providing a second component comprising a dry preparation of a biocompatible polymer suitable for use in hemostasis c) mixing said first component and said second component under conditions effective to form a wet paste while essentially preventing degradation of the second component by said first component in a final container or transferring said wet paste into a final container d) freezing and lyophilizing said paste in said container thereby obtaining a dry and stable hemostatic composition comprising said first and said second component in lyophilized form and e) finishing said dry and stable hemostatic composition in said final container to a storable pharmaceutical device containing said first component and said second component in a combined form as a dry and stable hemostatic composition.

No. of Pages : 24 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/12/2012

(21) Application No.11214/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR DECISION SUPPORT IN ALLERGY DIAGNOSIS

(51) International classification :G01N33/53,G01N33/68
(31) Priority Document No :61/350998
(32) Priority Date :03/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/SE2011/050664
Filing Date :27/05/2011
(87) International Publication No :WO 2011/152779
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)ANDERSSON Karl**
**2)MATSSON Per**

(57) Abstract :
A method of providing a clinical decision support in allergy diagnosis comprises the steps of: a) providing a body fluid sample from a patient b) selecting (1 10) a plurality of allergens to be tested for in the sample c) determining (120) for each allergen the concentration in the sample of at least one immunoglobulin directed against the allergen d) transforming (130) each determined immunoglobulin concentration to a clinical effect value on a normalized scale common to allergens in general e) assigning to each allergen tested for based on known cross reactivity information for the allergen an allergen specificity value representing the degree of cross reactivity for the allergen and f) presenting (140) determined clinical effect and allergen specificity values for each allergen or a group or groups of the allergens. A computer implemented method a computer program product and a patient information carrier device containing a diagnosis result are also disclosed.

No. of Pages : 23 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/12/2012

(21) Application No.11215/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CAPACITIVE SENSOR SYSTEM

(51) International classification :H03K17/955,B60R25/10,G08B13/26
(31) Priority Document No :10505816
(32) Priority Date :07/06/2010
(33) Name of priority country :Sweden
(86) International Application No :PCT/SE2011/050697
Filing Date :07/06/2011
(87) International Publication No :WO 2011/155893
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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**2)CLAEZON Fredrich**

(57) Abstract :
Capacitive sensor system for a vehicle which system comprises a signal generator a signal detector and a processing device. The sensor system further comprises an earth antenna adapted to serving as a virtual external earth for the system connected electrically to the signal generator and so disposed on the vehicle that it is electrically insulated from the vehicles chassis has a predetermined size and is situated a predetermined distance from the ground surface. The system comprises at least two capacitive sensor elements which each define a detection zone and are disposed galvanically separate from the vehicles chassis and a selector device intended to connect said capacitive sensor elements according to a predetermined detection configuration on the basis of a control signal applied to the selector device. The signal generator is adapted to generating a sensor signal with a frequency and an amplitude and to applying it between each connected capacitive sensor element and the external virtual earth and the signal detector is adapted to detecting and determining a measure of the voltage potential between these latter and to generating a measurement signal based thereon which is conveyed to the processing device. The processing device is adapted to processing the measurement signal and conveying the processed measurement signal to an alarm system which is adapted to generating one or more alarm signals on the basis of the processed measurement signal.

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/11/2012

(21) Application No.10027/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD OF CONTROLLING NEONICOTINOID RESISTANT HEMIPTERA USING SPIROHETEROCYCLIC PYRROLIDINE DIONE DERIVATIVES

| | |
|---|---|
| (51) International classification | :A01N43/90,A01N47/06,A01P7/00 |
| (31) Priority Document No | :10164509.1 |
| (32) Priority Date | :31/05/2010 |
| (33) Name of priority country | :EPO |
| (86) International Application No<br>Filing Date | :PCT/EP2011/058628<br>:26/05/2011 |
| (87) International Publication No | :WO 2011/151249 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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**2)RINDLISBACHER Alfred**
**3)MAIENFISCH Peter**
**4)CAMBLIN Philippe**
**5)GAUME Alain**

(57) Abstract :
The invention relates to a method of controlling insects from the order hemiptera that resistant to neo nicotinoid insecticides using spiroheterocyclic pyrrolidine dione derivatives.

No. of Pages : 204 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/11/2012

(21) Application No.10028/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PHARMACEUTICAL COMPOSITION AND METHOD FOR TREATING HYPERTENSION

(51) International classification :A61K31/485,A61K31/44,A61P9/12
(31) Priority Document No :61/330540
(32) Priority Date :03/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CN2011/073560
Filing Date :29/04/2011
(87) International Publication No :WO 2011/137734
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)WANG Hsi Chieh**
**3)JUANG Shin Yi**

(57) Abstract :
Dextromethorphan is used to lower blood pressure in a subject suffering from hypertension alone or in combination with another anti hypertensive agent. In particular dextromethorphan acts synergistically with a calcium channel blocker such as amlodipine to result in a major improvement in the treatment of hypertension with no or little adverse effects.

No. of Pages : 40 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/11/2012

(21) Application No.10031/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ADIPONECTIN PRODUCTION ACCELERATING COMPOSITION

(51) International classification :A61K35/60,A61K36/06,A61K38/17
(31) Priority Document No :2010-117264
(32) Priority Date :21/05/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/002678
Filing Date :13/05/2011
(87) International Publication No :WO 2011/145307
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)XU Shanhua**

(57) Abstract :
Disclosed i s a composition w c [□1] can accelerate the production o f adiponectin, i s not problematic in terms o f safety issues such a s side effects o r toxicity, and can b e orally administered. The adiponectin production accelerating composi 0 tion, which has the effect o f accelerating adiponectin production, contains salmon milt ex 0 tract, brewers yeast extract, avian collagen and mineral containing yeast. I t i s preferable that the 0 □□□□□salmon milt extract contains low-molecular compo nents broken u p as far a s olignucleotides and 0 oligopeptides b y enzyme treating salmon milt. I t i s 0 preferable that the brewers yeast extract contains □□50-80% RNA. I t i s preferable that the mineral con 0 taining yeast contains 0.0 1-0.02% selenium, 0.3-0.5% copper and 2-3% zinc in dry yeast. Fur thermore, i t i s preferable that 16-17 parts b y mass o f the brewers yeast extract, 33-34 parts b y mass o f the avian collagen, and 22-23 parts b y mass o f the mineral containing yeast are included per 100 parts A A adipinectin protein release (% ot control) b y mass o f the salmon milt extract. B B control

No. of Pages : 20 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2012

(21) Application No.11263/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : APPARATUS FOR MAKING PERFORATIONS IN A PACKAGING MATERIAL AND METHOD OF ADJUSTING SUCH AN APPARATUS

(51) International classification :A47J
(31) Priority Document No :10164641.2
(32) Priority Date :01/06/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/058619
Filing Date :26/05/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)DE BRUIN Martijn Willem**

(57) Abstract :
The invention relates to an apparatus (1) for making perforations in a packaging material in particular a polymer film (2) comprising a conveyor for transporting the material (2) along a path through the apparatus (1) a laser device (7) with adjustable focal point and an in-line optical detector (8) for measuring one or more parameters of the perforations made with the beam. The apparatus further comprises a controller (10) connected to the laser device (7) and the detector (8) and arranged to adjust the focal point of the laser device (7) based on the parameter (s).

No. of Pages : 15 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2012

(21) Application No.11264/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A METHOD FOR DISPLAYING A VIRTUAL WORLD IN WHICH THE AVATAR OF A USER OF A VIRTUAL-REALITY SERVICE EVOLVES

(51) International classification :G06F
(31) Priority Document No :1002712
(32) Priority Date :29/06/2010
(33) Name of priority country :France
(86) International Application No :PCT/EP2011/060843
Filing Date :28/06/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)HEBBAR Abdelkrim**
**3)HACID Hakim**

(57) Abstract :
The invention pertains to a method for displaying a virtual world in which the avatar of a user of a virtual reality service evolves said method being operative to use a standard mode for displaying said virtual world to identify objects visible to the avatar within the displayed virtual world and for at least one of said identified objects to determine whether a relationship exists within the virtual reality services social network between said object and the user and if so to determine a display mode to apply to said object depending on said relationship the display of said object being altered by applying said determined mood.

No. of Pages : 17 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2012

(21) Application No.11110/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SOLID BASE CATALYST

(51) International classification :C07C
(31) Priority Document No :201010187702.7
(32) Priority Date :24/05/2010
(33) Name of priority country :China
(86) International Application No :PCT/CN2011/074599
Filing Date :24/05/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)JIANLIANG ZHU**

(57) Abstract :
The application relates to a solid base catalyst having a carrier, an organic base, and an inorganic base. Both of the organic base and inorganic base are loaded on the carrier. The solid base catalyst is especially suitable for the synthesis of 4-Aminodiphenylamine (4-ADPA).

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2012

(21) Application No.11113/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : BIOFUEL CELL

(51) International classification :C12N
(31) Priority Document No :2010-144829
(32) Priority Date :25/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/060568
Filing Date :25/04/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)TAIKI SUGIYAMA**
**3)HIDEKI SAKAI**
**4)YUICHI TOKITA**

(57) Abstract :
A biofuel cell is formed by disposing an anode (negative electrode) to be a fuel electrode, an anode current collector, a separator, a cathode current 5 collector, a cathode (positive electrode) to be an air electrode and a gas-liquid separation membrane in this order between a fuel tank and a positive electrode cover. During the formation, an electrode formed of a carbon fiber fabric having a network structure constituted by a 10 monofilament strand of a carbon fiber and has a redox enzyme on the surface is used in at least the anode.

No. of Pages : 32 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2012

(21) Application No.11115/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : TRANSMISSION FOR WORK VEHICLE

(51) International classification :B23B
(31) Priority Document No :2011-181725
(32) Priority Date :23/08/2011
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2012/060935
Filing Date :24/04/2012
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)HIROAKI TAKESHIMA**
**3)YOSHITO KOMATSU**

(57) Abstract :
Good travel performance is maintained and smooth speed changes while working at low speeds are performed in a backhoe loader due to multistaging. The transmission includes an input shaft 40, countershafts 41, 42, output shafts 43, 44, a power transmission mechanism, and a control unit 60 for shifting a drivetrain. The power transmission mechanism includes a forward clutch and a reverse clutch for forward-reverse shifting, and a plurality of speed stage shifting clutches Cl to C3 for changing speed stages, wherein the forward clutch has a forward low-speed clutch FL and a forward high-speed clutch FH for shifting speed regions. The control unit 60 shifts only one clutch among the forward low-speed clutch FL, the forward high-speed clutch FH and the first to third clutches C1 to C3 to change speed stages in a forward first gear to third gear used in loader work.

No. of Pages : 33 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2012

(21) Application No.11120/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ISOCYANATE FREE METHOD FOR PREPARING POLY(CARBONATE URETHANE) OR POLY(ESTER URETHANE)

| | |
|---|---|
| (51) International classification | :C08G63/08,C08G63/64,C08G63/82 |
| (31) Priority Document No | :10290398.6 |
| (32) Priority Date | :15/07/2010 |
| (33) Name of priority country | :EPO |
| (86) International Application No<br>Filing Date | :PCT/EP2011/060300<br>:21/06/2011 |
| (87) International Publication No | :WO 2012/007254 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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**2)HELOU Marion**
**3)CARPENTIER Jean Fran§ois**
**4)SLAWINSKI Martine**

(57) Abstract :
The present invention discloses a method for preparing poly(carbonate urethane) or poly(ester urethane) without isocyanate.

No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/12/2012

(21) Application No.11391/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SIDE FRAME AND BOLSTER FOR A RAILWAY TRUCK AND METHOD FOR MANUFACTURING SAME

(51) International classification :B22C9/02,B22C9/10,B61F1/00
(31) Priority Document No :13/109870
(32) Priority Date :17/05/2011
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2012/037946
Filing Date :15/05/2012
(87) International Publication No :WO 2012/158695
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)MAKARY Vaughn**
**3)SALAMASICK Nick**

(57) Abstract :
A method of manufacturing a bolster of a rail car that includes a pair of shoe pockets at respective ends configured to be inserted into bolster openings of respective side frames includes providing a bolster pattern for forming a drag portion and cope portion of a mold. Cores that define an interior region of a cast bolster are also provided. The bolster pattern and the cores are configured to constrain shoe pocket angles within about + .5°.

No. of Pages : 41 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/12/2012

(21) Application No.11392/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SIDE FRAME AND BOLSTER FOR A RAILWAY TRUCK AND METHOD FOR MANUFACTURING SAME

(51) International classification :B22C9/02,B22C9/10,B61F1/00
(31) Priority Document No :13/109880
(32) Priority Date :17/05/2011
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2012/037880
Filing Date :15/05/2012
(87) International Publication No :WO 2012/158663
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)GOTLUND Erik**
**2)MAKARY Vaughn**

(57) Abstract :
A method for manufacturing a bolster of a railway car truck includes providing a drag portion and a cope portion of a mold. In a main body section of the mold a parting line that separates the drag portion from the cope portion is substantially centered between portions of the mold that define brake window openings in sides of the bolster. One or more cores are inserted into the mold and a molten material is poured into the mold to thereby case the bolster.

No. of Pages : 45 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/12/2012

(21) Application No.11393/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : LIGHTING MODULE WITH OPTIMIZED EMISSION  IN PARTICULAR FOR ROAD ILLUMINATION

(51) International classification :G01N
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/IT2010/000333
Filing Date :23/07/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)GATTARI Massimo**

(57) Abstract :
A lighting module comprising: a reflector comprising in turn a central part (10) and two tilted wings (11 12) with respect to said central part (10) at least two light sources (13a 13b) or light source assemblies (13a 13b) arranged about the ends of said central part (10).

No. of Pages : 14 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/12/2012

(21) Application No.11394/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD OF FEEDING CATALYST

(51) International classification :B01J8/00,B01J4/00,C08F2/00
(31) Priority Document No :10171368.3
(32) Priority Date :30/07/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/063142
Filing Date :29/07/2011
(87) International Publication No :WO 2012/013801
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)DECOUVELAERE Beno®t**
**3)FOUARGE Louis**

(57) Abstract :
The present invention relates to a method of continuously feeding catalyst slurry into an olefin polymerization reactor comprising the steps of: a) continuously feeding catalyst slurry into the reactor through a catalyst feeding line and then through a valve connected to the wall of the reactor wherein said valve comprises a piston device comprising an actuator and a hollow casing wherein said piston is connected to the actuator and wherein said piston is arranged in the hollow casing; and b) closing said valve by moving the piston through at least part of said valve towards the reactor and at least until the wall of the reactor upon at least partial blockage of said valve.

No. of Pages : 21 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/12/2012

(21) Application No.11395/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PROCESS FOR PREPARING POLYOLEFINS

(51) International classification :C08F10/00,C08F2/02,B01J19/18
(31) Priority Document No :10171362.6
(32) Priority Date :30/07/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/063150
Filing Date :29/07/2011
(87) International Publication No :WO 2012/013806
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
The present invention relates to a process of preparing a polyolefin in a loop reactor by introducing anti fouling agent in by pass pipes. Also the invention relates to the use of anti fouling agent to prevent blockage by feeding the anti fouling agent into the by pass pipes of the loop reactor.

No. of Pages : 22 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/12/2012

(21) Application No.11396/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PUMP FOR LOOP REACTOR

(51) International classification :B01J19/18,C08F2/01
(31) Priority Document No :10171364.2
(32) Priority Date :30/07/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/063146
Filing Date :29/07/2011
(87) International Publication No :WO 2012/013804
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**3)DEWACHTER Daan**
**4)FOUARGE Louis**

(57) Abstract :
The present invention relates the use of a pump in a loop reactor for the production of polyethylene as well as a reactor comprising such pump and methods for producing polyolefin by means of such reactor. The pump according to the invention is characterized in that it is an axial flow impeller circulation pump wherein the impeller comprises 6 blades and wherein the pump is fixed on a spring supported frame. Use of the pump according to the present invention allows for preparation of homogeneous polyethylene products that meet high quality standards from the complicated ethylene polymerization mixtures while at the same time being produced with low energy consumption.

No. of Pages : 22 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/12/2012

(21) Application No.11397/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CYCLIC CARBODIIMIDE COMPOUND

(51) International classification :C07D273/08,C07D498/10,C08G85/00
(31) Priority Document No :2010132926
(32) Priority Date :10/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/063430
Filing Date :06/06/2011
(87) International Publication No :WO 2011/155624
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
Disclosed is a cyclic carbodiimide compound represented by formula (i) the compound being useful as a terminal blocking agent for polymers. (In formula (i) X is a specific di or tetravalent group; q is 0 when X is the divalent group and is 1 when X is the tetravalent group; and Ar to Ar each independently is selected from optionally substituted aromatic groups depending on the group X.)

No. of Pages : 121 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/12/2012

(21) Application No.11398/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR THE DECOMPOSITION OF CUMENE HYDROPEROXIDE

(51) International classification :C07C37/08,C07C45/53,C07C1/20
(31) Priority Document No :12/797321
(32) Priority Date :09/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/039068
Filing Date :03/06/2011
(87) International Publication No :WO 2011/156227
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)HAGANS Michael K.**

(57) Abstract :
An improved method for the production of phenol acetone and alpha methyl styrene (AMS) from a cumene hydroperoxide and dimethylbenzyl alcohol (DMBA) mixture is described wherein 0.5 5% additional water by weight is added prior to the final DMBA dehydration step carried out in the presence of about 20 400 ppm mineral acid catalyst at 110 150 C for 0.5 to 40 minutes residence time. The use of additional water allows greater flexibility in maintaining optimum temperature in the second stage over a much broader turndown range with fixed equipment decreases the residual dicumyl peroxide (DCP) at the yield optimum for a given temperature and increases the overall yield of AMS at optimum conditions at a given temperature.

No. of Pages : 11 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2012

(21) Application No.11127/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : NOXIOUS ORGANISM COTROL AGENT□

(51) International classification :C07C
(31) Priority Document No :2010-118397
(32) Priority Date :24/05/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/061730
Filing Date :23/05/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**6)MASATO TANI**
**7)NOBUTO MINOWA**
**8)MASAAKI MITOMI**
**9)SATOSHI OMURA**
**10)TOSHIAKI SUNAZUKA**
**11)HIROSHI TOMODA**

(57) Abstract :
The present invention provides a composition for use as a harmful organism control agent comprising as an active 5 ingredient one or more of compounds represented by formula (I) or salts thereof and an agriculturally or zootechnically acceptable carrier. wherein Het represents pyridyl; X represents an oxygen atom; R1, R2, R3, R7, Rioa, Riob, R11, and R12 represent a 15 hydrogen atom; R4, R5r and R6 represent a hydrogen atom, hydroxyl, optionally substituted C1_18 alkylcarbonyloxy, optionally substituted C1-18 alkylsulfonyloxy, optionally substituted arylcarbonyloxy, C1.6 alkyloxy-C1.6 alkyloxy, C1.6 alkyloxy-CI_6 alkyloxy-CI_6 alkyloxy; R8 represents a hydrogen 20 atom; and R13a, R13b, and R13c represent methyl.

No. of Pages : 167 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2012

(21) Application No.11129/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CARRIER AGGREGATION WITH POWER HEADROOM REPORT

(51) International classification :H04W52/36,H04W52/14,H04W52/28
(31) Priority Document No :61/356867
(32) Priority Date :21/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2011/060118
Filing Date :17/06/2011
(87) International Publication No :WO 2011/161014
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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**2)SEBIRE Benoist Pierre**

(57) Abstract :
Methods apparatuses and software can be used for providing power headroom reporting in a telecommunication system. A method can include configuring a user equipment to send a power headroom report control element in uplink wherein the power headroom report control element includes a bitmap indicating which power headroom reports are being reported. The method can further include receiving the power headroom report control element from the user equipment. The method additionally can include processing the received power headroom report control element based on the configuration of the user equipment.

No. of Pages : 33 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2012

(21) Application No.11132/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD AND DEVICE FOR TRANSMITTING DATA HAVING VARIABLE BIT LENGTH

(51) International classification :G06F13/42
(31) Priority Document No :102010030422.0
(32) Priority Date :23/06/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/060435
Filing Date :22/06/2011
(87) International Publication No :WO 2011/161153
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)HOPPERT Dirk**
**3)WEISSENMAYER Simon**

(57) Abstract :
The invention relates to a method for serial data transmission in a bus System comprising at least two bus subscribers, which exchange data frames by means of the bus, wherein the bus subscribers decide independently of an identifier which data frames they receive, wherein the data frames have a logic structure according to CAN Standard ISO 11898-1, wherein the temporal bit length (LI, L2) within a data frame can take on at least two different values, wherein the temporal bit length (LI) meets the requirements of CAN Standard ISO 11898-1 for at least one first predefmed or predefmable region within the data fra me, wherein the temporal bit length (L2) in at least one second predefmed or predefmable region is reduced as compared to the o first region, and wherein changes of the temporal bit length are signalized by the sender by an identifier (3 10) contained in the same or a preceding data frame.

No. of Pages : 17 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/12/2012

(21) Application No.11401/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : TRANSPORT WAGON HAVING AN INTERFACE FOR COMPENSATING HEIGHT RELATIVE TO THE GROUND MAINLY ACCORDING TO THE WEIGHT OF THE LOAD TO BE TRANSPORTED

(51) International classification :B61D3/04,B61D3/18,B61D3/16
(31) Priority Document No :1002374
(32) Priority Date :04/06/2010
(33) Name of priority country :France
(86) International Application No:PCT/IB2011/052382
Filing Date :31/05/2011
(87) International Publication No :WO 2011/151784
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)ANDRE Jean Luc**
**2)LANGE Sbastien**

(57) Abstract :
The invention relates to a transport wagon (1) for transporting at least one load which includes a linking structure (2) and two end rolling rail assemblies (3) and (4) on which the latter rests characterised by having at least one interface (32) for adjusting the height of the lowest portion of the wagon between the end assemblies (3) and (4) mainly according to the weight of the load to be transported and the condition of the wagon in order to obtain for each load an almost constant low level of the low portion that exists between the end assemblies and in particular the lowest acceptable level according to the rail gauge. The invention is useful for manufacturers of wagons for general freight transport as well as for intermodal transport for example rail/road.

No. of Pages : 22 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/12/2012

(21) Application No.11403/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : EXHAUST EMISSION CONTROL DEVICE OF DIESEL ENGINE

(51) International classification :F01N3/02,B01D46/42,F02D41/04
(31) Priority Document No :2010235966
(32) Priority Date :20/10/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/068862
Filing Date :22/08/2011
(87) International Publication No :WO 2012/053279
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)IKAWA Yoshikatsu**
**2)ENDO Hiroyuki**
**3)IDE Kazunari**
**4)TAKAYANAGI Ko**

(57) Abstract :
DPF target temperature setting means is characterized by having a temperature rise rate setting unit which so sets that the rate of change of temperature rise decreases with temperature increase or time after the start of late post injection up to a target set temperature at which PM combusts after the start of the late post injection and in that the target temperature of the DPF temperature is calculated by using the temperature rise rate of the temperature rise rate setting unit. The rate of change of stepwise temperature rise in the temperature rise rate setting unit is configured by two stages a first stage change rate A and a second stage change rate B which is smaller than the first stage change rate A.

No. of Pages : 44 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/12/2012

(21) Application No.11404/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : WELD BEAD CUTTING DEVICE AND METHOD FOR EXTRACTING RADIAL PIN FROM STEAM TURBINE

(51) International classification :F01D25/00,B23K31/00,F01D25/24
(31) Priority Document No :2010214415
(32) Priority Date :24/09/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/071351
Filing Date :20/09/2011
(87) International Publication No :WO 2012/039385
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)MITSUBISHI HEAVY INDUSTRIES LTD.**
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(72)**Name of Inventor :**
**1)SUGITANI Daichi**
**2)SUEZAWA Nobuchika**
**3)SASAKI Daisuke**

(57) Abstract :
A radial pin (2) has one end (2A) inserted into a through hole (3) formed in a turbine wheel chamber (1) and the other end (2B) protruding from an outer surface of the turbine wheel chamber (1) and has a weld bead (4) formed on the outer circumference of the other end (2B). A weld bead cutting device (10) is provided with a cutting section (12) for cutting the weld bead (4) formed on the outer circumference of the radial pin (2) and a support section (20) that supports the cutting section (12) on an end surface (2C) of the other end (2B) so as to be freely movable along the outer circumference of the radial pin (2).

No. of Pages : 42 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/12/2012

(21) Application No.11406/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ELECTRIC VEHICLE

(51) International classification :B62D61/00,B60K7/00,B60L15/20
(31) Priority Document No :2010132016
(32) Priority Date :09/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/063236
Filing Date :09/06/2011
(87) International Publication No :WO 2011/155558
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)ITOU Chinami**
**2)ITAKURA Yoshinori**
**3)SUZUKI Minoru**
**4)BANDO Hiromichi**

(57) Abstract :
An electric vehicle provided with in wheel motor drive devices and independent steering devices the vehicle being capable of fixed position rotation in the minimum amount of space possible by having a structure with no part of the vehicle frame or body projecting out from the minimum circular space required for the vehicle wheels to rotate the vehicle in a fixed position. The vehicle wheels have in the case that there are four wheels including a left and right front wheel (17a 17b) and a left and right rear wheel (17c 17d) an in wheel motor drive device (27) installed in each of only the left and right front wheels (17a 17b) only the left and right rear wheels (17c 17d) or all the wheels (17a 17b 17c 17d). The wheels (17a 17b 17c 17d) also each have an independent steering device installed therein and the point of intersection (A) between the shaft line of the kingpin of each wheel (17a 17b 17c 17d) and the road surface is positioned on the inside circumference of a vehicle body (12).

No. of Pages : 28 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/12/2012

(21) Application No.11407/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PHARMACEUTICAL COMPOSITION WITH OLIVE EXTRACT (HYDROXYTYROSOL) AND HOP EXTRACT (XANTHOHUMOL) FOR INTRANASAL APPLICATION

| | |
|---|---|
| (51) International classification | :A61K31/01,A61K31/05,A61K31/12 |
| (31) Priority Document No | :921/10 |
| (32) Priority Date | :09/06/2010 |
| (33) Name of priority country | :Switzerland |
| (86) International Application No<br>Filing Date | :PCT/CH2011/000128<br>:31/05/2011 |
| (87) International Publication No | :WO 2011/153647 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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(72)**Name of Inventor :**
**1)EHRENBERGER Klaus**
**2)BIEBERSCHULTE Werner**

(57) Abstract :
The invention relates to a pharmaceutical composition containing hydroxytyrosol (olive extract) and xanthohumol (hop extract) as active substances for intranasal application in particular in the form of a nasal spray for the prophylactic and/or curative treatment of colds.

No. of Pages : 20 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/12/2012

(21) Application No.11408/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SUBMERGED ENTRY NOZZLE

(51) International classification :B22D41/50
(31) Priority Document No :61/361265
(32) Priority Date :02/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/036068
Filing Date :11/05/2011
(87) International Publication No :WO 2012/003047
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)RICHAUD Johan**

(57) Abstract :
A pour tube for casting molten metal is adapted to reduce turbulence and mold disturbances thereby producing a more stable uniform outflow. The pour tube includes a bore having a body in communication with an enlarged outlet portion. Exit ports in communication with the outlet portion have an offset design in which at least one wall of the exit port is tangent to a circle having a larger radius than the body of the bore.

No. of Pages : 31 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/12/2012

(21) Application No.11064/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HETEROARYL COMPOUNDS AND COMPOSITIONS AS PROTEIN KINASE INHIBITORS

(51) International classification :C12P
(31) Priority Document No :61/358,603
(32) Priority Date :25/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2011/060561
Filing Date :23/06/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)MADERA Ann Marie**
**2)POON Daniel**
**3)SMITH Aaron**

(57) Abstract :
The present invention provides compounds of Formula I: (I) wherein R1 R2 R3 and X are as defined herein. The compounds of Formula (I) and pharmaceutical compositions thereof are useful for the treatment of cancer and B-Raf-associated diseases.

No. of Pages : 114 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/12/2012

(21) Application No.11070/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : JOINT LOCKING ASSEMBLY AND METHOD

(51) International classification :B62K15/00,B62K19/18,F16B7/04
(31) Priority Document No :61/358382
(32) Priority Date :24/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2011/052793
Filing Date :24/06/2011
(87) International Publication No :WO 2011/161657
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)SAVSEK Zdenko**
**2)VOZELJ Ales**

(57) Abstract :
A system of folding mechanical components comprises a bearing ball a stationary body defining at least one concave recess sized to receive at least a portion of the bearing ball a rotatable body rotatably coupled to the stationary body and one or more button members. The rotatable body defines two channels therein and one or more button members are sized to be disposed in the channels. Each button member defines a recess with a rounded concave portion sized to receive at least a portion of the bearing ball. In a locked position the bearing ball contacts the sloped recesses of the button members and has limited contact with the concave recess of the stationary body. In an unlocked position the bearing ball contacts the rounded concave portions of the button members and has relatively more contact with the concave recess of the stationary body.

No. of Pages : 84 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/12/2012

(21) Application No.11074/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A FAN ASSEMBLY

(51) International classification :F04D29/58
(31) Priority Document No :1013266.0
(32) Priority Date :06/08/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/051249
Filing Date :01/07/2011
(87) International Publication No :WO 2012/017221
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)CHOONG Chang Hin**

(57) Abstract :
A fan assembly includes a motor driven impeller for creating an air flow at least one heater for heating a first portion of the air flow and a casing comprising at least one air outlet for emitting the first portion of the air flow and first channel means for conveying the first portion of the air flow to said at least one air outlet. To cool part of the casing the casing includes means for diverting a second portion of the air flow away from said at least one heater and second channel means for conveying the second portion of the air flow along an internal surface of the casing. This second portion of the air flow may merge with the first portion of the air flow within the casing or it may be emitted through at least one second air outlet of the casing preferably over an external surface of the casing.

No. of Pages : 45 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/02/2013

(21) Application No.1712/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ENCODING DEVICE AND ENCODING METHOD AS WELL AS DECODING DEVICE AND DECODING METHOD

(51) International classification :H04N13/00,H04N7/26
(31) Priority Document No :2010198350
(32) Priority Date :03/09/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/069843
Filing Date :31/08/2011
(87) International Publication No :WO 2012/029886
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)HATTORI Shinobu**
**2)TAKAHASHI Yoshitomo**
**3)YONEMITSU Jun**

(57) Abstract :
The present technology relates to an encoding device and a encoding method as well as a decoding device and a decoding method which are capable of suppressing the amount of information without degrading the image quality of an image of a view used when securing compatibility in a case when performing encoding for a multi view image. A compatibility use encoder encodes an image A1 which is a compatible image to generate a compatible stream. An image conversion unit decimates an image B1 and an image C1 which are auxiliary images. An auxiliary encoder encodes the decimated auxiliary images to generate an encoded stream of the auxiliary images. A frame packing unit transmits the compatible stream and the encoded stream of the auxiliary images. The present technology can be applied for example to an encoding device for encoding a 3D image in a multi view method.

No. of Pages : 271 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/02/2013

(21) Application No.1713/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ENCODING DEVICE AND ENCODING METHOD AS WELL AS DECODING DEVICE AND DECODING METHOD

(51) International classification :H04N7/26,H04N7/32,H04N13/00
(31) Priority Document No :2010198351
(32) Priority Date :03/09/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/069841
Filing Date :31/08/2011
(87) International Publication No :WO 2012/029884
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)HATTORI Shinobu**
**2)TAKAHASHI Yoshitomo**

(57) Abstract :
The present invention relates to an encoding device and an encoding method as well as a decoding device and a decoding method configured to allow a multi viewpoint image to be encoded and decoded using a format compatible with an existing format. A compatibility encoder encodes a compatible image (A1) in increments of access units and generates a compatible stream. An auxiliary encoder encodes in increments of access units the result of multiplexing auxiliary images (B1 C1) used when a multi viewpoint image is generated from the compatible image and generates an encoded stream of the multiplexed auxiliary images. A multiplexing unit transmits the compatible stream a 3DV representation delimiter showing unit boundaries and the encoded stream of the multiplexed auxiliary images. This technique can be applied to e.g. an encoding device for encoding a multi viewpoint 3D image.

No. of Pages : 399 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11175/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : REPLACEABLE CAP FOR A DOSING DEVICE

(51) International classification :A61M5/32,A61M5/31,A61J7/04
(31) Priority Document No :2005017
(32) Priority Date :01/07/2010
(33) Name of priority country :Netherlands
(86) International Application No :PCT/IB2011/001517
Filing Date :29/06/2011
(87) International Publication No :WO 2012/001493
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)SJ–LUND Per John**
**2)BOTHA Marcel**
**3)SJ–LUND Per Andreas**

(57) Abstract :
A replaceable cap (10) for a transdermal liquid dosing device (12) such as an insulin pen is provided. The cap includes an elongate hollow body (14) with a first open end (16) which can be placed over a front part (26) of the dosing device and a second closed end (18) opposite the first end. The cap body also includes a cavity which opens into the interior (50) of the cap body and which houses a control unit (52) which includes a timer unit a switch mechanism (56) that stands at least partially proud of the cavity so as to project into the interior of the body and a timer display unit (58) which displays time counted by the timer unit on an outer surface of the body of the cap. The switch mechanism is engaged by abutment of a surface of the front part of the dosing device when the cap is placed on the dosing device and released when the cap is removed from the dosing device the engagement and/or releasing of the switch mechanism causing the timer unit to reset after the elapse of a predetermined period of time the time since the timer unit was last reset thereby indicating the time that has elapsed since the dosing device was last used.

No. of Pages : 25 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11176/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MINIATURE HPLC DEVICE

(51) International classification :G01N30/32,F04B19/00,F04B19/04
(31) Priority Document No :1010737.3
(32) Priority Date :25/06/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/051217
Filing Date :27/06/2011
(87) International Publication No :WO 2011/161481
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)KAPLINSKY Joseph John**
**3)SALEHI REYHANI Ali**

(57) Abstract :
A liquid chromatography device comprises one or more liquid reservoirs (3) for a liquid medium a sample reservoir for a sample to be analysed and a chromatography column (4) in fluid communication with the liquid reservoir (3) and the sample reservoir (5). The device further comprises a gas reservoir (1) for containing a volume of gas under pressure to force liquid from the liquid reservoir (3) through the chromatography column (4) in use.

No. of Pages : 17 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11177/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ROLLER FOR HIGH PRESSURE ROLLER GRINDER ROLLER GRINDER AND METHOD FOR ASSEMBLING A ROLLER FOR A ROLLER GRINDER

(51) International classification :B02C4/30
(31) Priority Document No :10167173.3
(32) Priority Date :24/06/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/IB2011/052568
Filing Date :14/06/2011
(87) International Publication No :WO 2011/161583
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)NIKLEWSKI Andrzej**
**2)BARSCEVICIUS Paulo**

(57) Abstract :
The invention relates to a roller for a roller grinder said roller comprising a shaft (S) and a grinding shell (30) in the form of a generally tubular sleeve and having an inner face to be retained around the shaft (S). The roller grinder is characterised in that the shaft (S) comprises two shaft parts (10 20) each shaft part (10 20) having a respective inner end portion (1 1 21 ) wherein said inner end portions (10 20) are arranged to be positioned facing each other and comprise coupling portions (40) arranged to couple the inner end portions (1 1 21 ) of the respective shaft parts (10 20) to each other thereby forming the shaft (S). The invention further relates to a method for assembling a roller for a roller grinder said roller comprising a shaft (S) and a grinding shell (30) in the form of a generally tubular sleeve and having an inner face to be retained around the shaft (S).

No. of Pages : 25 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/02/2013

(21) Application No.1717/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DIFFERENTIATION OF HUMAN EMBRYONIC STEM CELLS

(51) International classification :C12N5/0735,C12N5/071,C12N5/02
(31) Priority Document No :61/378448
(32) Priority Date :31/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/048127
Filing Date :17/08/2011
(87) International Publication No :WO 2012/030538
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)FRYER Benjamin**

(57) Abstract :
The present invention provides methods to promote the differentiation of pluripotent stem cells into insulin producing cells. In particular the present invention provides a method to produce a population of cells wherein greater than 80% of the cells in the population express markers characteristic of the definitive endoderm lineage.

No. of Pages : 41 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/02/2013

(21) Application No.1718/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METERING DEVICE

(51) International classification :B05B11/00,B05B11/02,B05B11/04
(31) Priority Document No :10 2010 045 059.6
(32) Priority Date :10/09/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/004558
Filing Date :09/09/2011
(87) International Publication No :WO 2012/031775
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)HOLZER Frank**
**3)STEINFELD Ute**
**4)MAHLER Markus**

(57) Abstract :
The invention relates to a metering device for dispensing a metered quantity of a fluid in which device a storage container is connected to a metering head wherein a spindle which has a through passage for the fluid to be conveyed is guided within the metering head.

No. of Pages : 29 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11153/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ABSORBENT CORE

(51) International classification :A61F13/15,A61F13/534
(31) Priority Document No :10169725.8
(32) Priority Date :15/07/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/US2011/044096
Filing Date :15/07/2011
(87) International Publication No :WO 2012/009590
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)CARLUCCI Giovanni**
**2)PERI Andrea**
**3)TAMBURRO Murizio**
**4)TORO Evelina**

(57) Abstract :
An absorbent core structure for disposable absorbent articles having improved fluid handling properties.

No. of Pages : 37 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11154/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : GLASS BENDING APPARATUS AND METHOD

(51) International classification :C03B23/03,C03B23/023
(31) Priority Document No :61/504147
(32) Priority Date :01/07/2011
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2012/045050
Filing Date :29/06/2012
(87) International Publication No :WO 2013/006475
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)BERRADA Sounni Amine**
**2)WARES Brian S.**

(57) Abstract :
A sag bending glass sheet mold is disclosed. The sheet mold comprises a plurality of lateral support members a plurality of longitudinal support members arranged perpendicular to the lateral support members each of the plurality of lateral support members extending between two of the plurality of longitudinal support members each of the plurality of longitudinal support members having an upper surface and the upper surfaces of each of the plurality of longitudinal support members combined to form a mold support surface. The sheet mold can also comprise a glass bearing support sheet disposed atop the mold support surface the glass bearing support sheet extending across the plurality of longitudinal support members and above the lateral support members the glass bearing support sheet having a curved upper surface.

No. of Pages : 26 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11157/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : LOCATING CONNECTORS AND METHODS FOR MOUNTING SOLAR HARDWARE

(51) International classification :F24J2/10,F24J2/52,H01L31/052
(31) Priority Document No :12/977001
(32) Priority Date :22/12/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/065424
Filing Date :16/12/2011
(87) International Publication No :WO 2012/087801
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)WARES Brian**
**2)ALMY Charles**
**3)BARTON Nicholas**

(57) Abstract :
A solar concentrator assembly can include mirror assemblies that are connected to pivotable frames with locating connections. The locating connections can be in the form of cam devices or tool less connections formed by snap fitting devices as well as tool less cam devices.

No. of Pages : 42 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2013

(21) Application No.1733/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HIGH STRENGTH AND DUCTILITY ALPHA/BETA TITANIUM ALLOY

(51) International classification :C22C14/00,C22F1/18,A61L27/06
(31) Priority Document No :12/888699
(32) Priority Date :23/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/050603
Filing Date :07/09/2011
(87) International Publication No :WO 2012/039929
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)BRYAN David J.**
**2)MANTIONE John V.**
**3)BAYHA Thomas D.**

(57) Abstract :
An alpha/beta titanium alloy comprising in percent by weight based on total alloy weight: 3.9 to 4.5 aluminum; 2.2 to 3.0 vanadium; 1.2 to 1.8 iron; 0.24 to 0.30 oxygen; up to 0.08 carbon; up to 0.05 nitrogen; up to 0.015 hydrogen; titanium; and up to a total of 0.30 of other elements. A non limiting embodiment of the alpha/beta titanium alloy comprises an aluminum equivalent value in the range of 6.4 to 7.2 exhibits a yield strength in the range of 120 ksi (827.4 MPa) to 155 ksi (1 069 MPa) exhibits an ultimate tensile strength in the range of 130 ksi (896.3 MPa) to 165 ksi (1 138 MPa) and exhibits a ductility in the range of 12 to 30 percent elongation.

No. of Pages : 29 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2013

(21) Application No.1734/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CONDUIT INNERDUCT HAVING REDUCED FRICTION AND HIGH STRENGTH

(51) International classification :H02G3/04
(31) Priority Document No :61/403806
(32) Priority Date :23/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/052678
Filing Date :22/09/2011
(87) International Publication No :WO 2012/040413
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)WESCO EQUITY CORPORATION**
Address of Applicant :225 West Station Square Drive Suite 700 Pittsburgh Pennsylvania 15219 U.S.A.
(72)**Name of Inventor :**
**1)ALLEN Jerry L.**

(57) Abstract :
A device adapted to be for inserted into a conduit includes a first fabric material having a high tensile strength and a second fabric material having a low coefficient of friction. The materials are attached to each other to form an innerduct. A third fabric material of a low coefficient of friction may be attached to the first material to provide an innerduct whose outer surfaces present a low coefficient of friction. An innerduct or pull tape may also be formed by strands having an inner core of a high tensile strength and an outer sheath having a low coefficient of friction. The strands may be woven together to form the innerduct or pull tape.

No. of Pages : 11 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2013

(21) Application No.1735/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : POWER CONTROL ARRANGEMENTS FOR SURGICAL INSTRUMENTS AND BATTERIES

(51) International classification :A61B17/072,H01M10/44,H02J7/00
(31) Priority Document No :12/884995
(32) Priority Date :17/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/051357
Filing Date :13/09/2011
(87) International Publication No :WO 2012/037096
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)ETHICON ENDO SURGERY INC.**
Address of Applicant :4545 Creek Road Cincinnati OH 45242 U.S.A.
(72)**Name of Inventor :**
**1)KERR Wendy A.**
**2)SCHWEMBERGER Richard F.**
**3)LEIMBACH Richard L.**
**4)SWENSGARD Brett E.**

(57) Abstract :
Various embodiments are directed to battery unit for use with surgical instruments. The battery units may comprise a plurality of cells and include a translatable discharge drain. When attached to the surgical instrument the discharge drain may electrically connect an anode of the battery unit to a cathode of the battery unit for example via a resistive element in order to drain the battery unit.

No. of Pages : 103 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11195/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD AND SYSTEM FOR MINIMALLY-INVASIVE SURGERY TRAINING USING TRACKING DATA

(51) International classification :A47J
(31) Priority Document No :61/348,732
(32) Priority Date :26/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/038209
Filing Date :26/05/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)HEALTH RESEARCH INC.**
Address of Applicant :Elm And Carlton Streets Buffalo New York 14263 USA
**2)THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK**
(72)**Name of Inventor :**
**1)KESAVADAS Thenkurussi**
**2)GURU Khurshid**

(57) Abstract :
A system and method for training a person in minimally-invasive surgery ("MIS") utilizing a video of the MIS. The system comprises a processor a display and a first interaction device. The processor programmed to receive the video and to obtain tracking data. The tracking data may correspond to the motion of a tool controller. The tracking data may correspond to motion of a first surgical tool in the video. The processor programmed to calculate motion of the first interaction device corresponding to the tracking data to display the video and to cause the first interaction device to move according to the calculated motion. The method comprises receiving the video obtaining the tracking data calculating a motion of a first interaction device corresponding to the tracking data displaying the video and causing the first interaction device to move according to the calculated motion.

No. of Pages : 58 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11196/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : AUTOMATIC ANALYZER ANALYSIS METHOD AND INFORMATION PROCESSOR

(51) International classification :G01N
(31) Priority Document No :2010-159995
(32) Priority Date :14/07/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/065277
Filing Date :04/07/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)HITACHI HIGH-TECHNOLOGIES CORPORATION**
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(72)**Name of Inventor :**
**1)KAMIHARA Kumiko**
**2)MITSUYAMA Satoshi**
**3)MIMURA Tomonori**
**4)MANRI Chihiro**

(57) Abstract :
An automatic analyzer includes sample vessels 16 each containing a sample to be measured; reaction vessels 21 in which to mix a sample and a reagent; a sample dispenser 5 for dispensing a sample from any of the sample vessels 16 to any of the reaction vessels 21; reagent vessels 18 each containing a reagent to be mixed with a sample; a reagent dispenser 6 for dispensing a reagent from any of the reagent vessels 18 to any of the reaction vessels 21; a stirrer 7 for stirring the sample-reagent mix contained in any reaction vessel 21; and a photometric measurement unit 8 for obtaining multiple measurement data points during the progress of reaction of a mixed solution. The analyzer performs the steps of: selecting at least one approximation formula; generating an approximation curve from the measurement data points; calculating a shape descriptor from the approximation curve;....

No. of Pages : 55 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11197/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD AND SYSTEM FOR AUTOMATIC TOOL POSITION DETERMINATION FOR MINIMALLY-INVASIVE SURGERY TRAINING

(51) International classification :A61B
(31) Priority Document No :61/348,733
(32) Priority Date :26/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/038206
Filing Date :26/05/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)KESAVADAS Thenkurussi**
**2)GURU Khurshid**

(57) Abstract :
The present invention may be embodied as a method of minimally-invasive surgery ("MIS") training using a video of an MIS comprising the steps of providing a processor a display and a first input device. The method comprises the step of processing the video using the processor to determine a location of the first surgical tool in each of the frames determining whether the configuration of the first input device substantially corresponds to the location of the first surgical tool in each frame of the video while the video is displayed. The present invention may be embodied as a system for MIS training. The system comprises a processor a communication device and a first input device in communication with the processor. The processor is programmed perform any or all of the described disclosed methods.

No. of Pages : 44 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2013

(21) Application No.1746/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DERIVATIVES OF 6 7 DIHYDRO 3H OXAZOLO [3 4 A] PYRAZINE 5 8 DIONE

(51) International classification :C07D498/04,A61K31/48,A61P15/00
(31) Priority Document No :61/373483
(32) Priority Date :13/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/BR2011/000255
Filing Date :02/08/2011
(87) International Publication No :WO 2012/019254
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)BIOLAB SANUS FARMACŠUTICA LTDA.**
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**2)ZAIM M¡rcio Henrique**
**3)TOUZARIM Carlos Eduardo da Costa**
**4)KEPPLER Artur Franz**
**5)DE NUCCI Gilberto**

(57) Abstract :
The present invention describes a series of derivatives of 6 7 dihydro 3H oxazolo [3 4 a] pyrazine 5 8 dione mixtures thereof their pharmaceutically acceptable salts which are inhibitors of PDE 5 possessing vasodilatator properties and relaxing effects. In particular the derivative (J¾) 3 (l 3 benzodioxol 5 yl ) 1 ( lH indol 3 yl ) 7 methyl 6 7 dihydro [1 3] oxazolo [3 4 a] pyrazine 5 8 dione its enantiomer (S) 3 (1 3 benzodioxol 5 yl) 1 ( lH indol 3 yl ) 7 methyl 6 7 dihydro [1 3] oxazolo [3 4 a] pyrazine 5 8 dione. The present invention describes additionally processes for the preparation of said compounds pharmaceutical compositions containing them as well as uses as inhibitors of the enzyme phosphodiesterase type 5 (PDE 5) in the treatment of the erectile dysfunction and PDE 5 inhibitor treatable disorders.

No. of Pages : 35 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/12/2012

(21) Application No.11058/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MULTITHREAD APPLICATION-AWARE MEMORY SCHEDULING SCHEME FOR MULTI-CORE PROCESSORS

(51) International classification :G06F
(31) Priority Document No :12/795,871
(32) Priority Date :08/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/038526
Filing Date :31/05/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)ADVANCED MICRO DEVICES INC.**
Address of Applicant :One AMD Place P.O. Box 3453 Sunnyvale California 94088-3453 U.S.A.
(72)**Name of Inventor :**
**1)CHUNG Jaewoong**

(57) Abstract :
A device may include a memory controller that identifies a multithread application and adjusts a memory scheduling scheme for the multithread application based on the identification of the multithread application.

No. of Pages : 50 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/12/2012

(21) Application No.11059/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : APPLE SKIN EXTRACTS FOR TREATING CARDIOVASCULAR DISEASE

(51) International classification :A61B
(31) Priority Document No :61/349,177
(32) Priority Date :27/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2011/000623
Filing Date :26/05/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)RUPASINGHE Handunkutti Pathirannehalage Vasantha**
**2)WANG Yanwen**
**3)THILAKARATHNA Surangi Kumari Priyadarshani Heenetimulla**

(57) Abstract :
Pharmaceutical and nutraceutical compositions and methods for treating cardiovascular disease comprising apple skin extracts which can reduce cholesterol levels and inhibit low density lipoprotein (LDL) oxidation in a subject are provided.

No. of Pages : 51 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/02/2013

(21) Application No.1705/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : REACTIVE COMPATIBILIZED MULTI LAYER HEAT SHRINKABLE COATING

(51) International classification :B32B27/00
(31) Priority Document No :61/385826
(32) Priority Date :23/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/052775
Filing Date :22/09/2011
(87) International Publication No :WO 2012/040475
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)NAVARRO Marcia E.**

(57) Abstract :
A multi layer coating includes an adhesive layer a tying layer and a polyolefin sheet. A multi layer coating may include at least one tying layer interposed between and in contact with an adhesive layer and a heat shrinkable polyolefin sheet.

No. of Pages : 36 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/02/2013

(21) Application No.1706/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : LOCALIZED CONGESTION EXPOSURE

(51) International classification :H04L12/56,H04W28/10
(31) Priority Document No :61/378980
(32) Priority Date :01/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2011/053223
Filing Date :19/07/2011
(87) International Publication No :WO 2012/028972
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)ZHANG Ying**
**2)JOHANSSON Ingemar**
**3)GREEN Howard**

(57) Abstract :
A method for localized congestion exposure within a local loop in a cellular network that is performed by a localized congestion exposure receiver node of the local loop. The method includes receiving downlink packets destined for a downstream user device. The downlink packets have headers that indicate a level of congestion experienced by the downlink packets. The headers also indicate a level of expected downstream congestion declared by an upstream node. The method also includes forwarding the downlink packets to the downstream user device through a wireless connection. The method further includes sending packets upstream that have feedback indicative of the level of congestion experienced by the downlink packets and any congestion experienced within the localized congestion exposure receiver node.

No. of Pages : 44 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2013

(21) Application No.1755/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : 5 IODO TRIAZOLE DERIVATIVES

(51) International classification :C07D249/10,C07D405/06,A01N43/653
(31) Priority Document No :10174074.4
(32) Priority Date :26/08/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/064418
Filing Date :23/08/2011
(87) International Publication No :WO 2012/025506
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**2)NISING Carl Friedrich**
**3)PERIS Gorka**
**4)CRISTAU Pierre**
**5)TSUCHIYA Tomoki**
**6)WASNAIRE Pierre**
**7)BENTING J¼rgen**
**8)DAHMEN Peter**
**9)WACHENDORFF NEUMANN Ulrike**
**10)HADANO Hiroyuki**
**11)PORTZ Daniela**

(57) Abstract :
The invention relates to novel 5 iodo triazole derivatives to a method for producing said compounds to agents containing said compounds and to the use thereof as biologically active compounds in particular for fighting harmful microorganisms in plant protection in material protection and as plant growth regulators.

No. of Pages : 47 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2013

(21) Application No.1756/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : REMOTELY CONTROLLED DOWNHOLE DEVICE AND METHOD FOR USING SAME

(51) International classification :E21B10/32,E21B44/00
(31) Priority Document No :61/377146
(32) Priority Date :26/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/049348
Filing Date :26/08/2011
(87) International Publication No :WO 2012/027668
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)RADFORD Steven R.**
**2)EVANS John G.**
**3)STAUFFER Bruce**
**4)WITTE Johannes**

(57) Abstract :
In one aspect an apparatus for use downhole is disclosed that in one configuration includes a downhole device configured to be in an active position and an inactive position and an actuation device that includes: a housing including an annular chamber configured to house a first fluid therein a piston in the annular chamber configured to divide the annular chamber into a first section and a second section the piston being coupled to a biasing member a control unit configured to enable movement of the first fluid from the first section to the second section to supply a second fluid under pressure to the tool to move the tool into the active position and from the second section to the first section to stop the supply of the second fluid to the tool to cause the tool to move into the inactive position. In another aspect the apparatus includes a telemetry unit that sends a first pattern recognition signal to the control unit to move the tool in the active position and a second pattern recognition signal to move the tool in the inactive position.

No. of Pages : 18 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/12/2012

(21) Application No.11413/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR THE PREPARATION OF 1 3 PROPANEDIOL FROM SUCROSE

(51) International classification :C12N1/20,C12P7/06,C12P7/18
(31) Priority Document No :61/361455
(32) Priority Date :05/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2011/061285
Filing Date :05/07/2011
(87) International Publication No :WO 2012/004247
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)METABOLIC EXPLORER**
Address of Applicant :Biopole Clermont Limagne F 63360 Saint Beauzire France
(72)**Name of Inventor :**
**1)SOUCAILLE Philippe**
**2)BOISART Cdric**

(57) Abstract :
The present invention concerns a microorganism genetically modified for the bioproduction of 1 3 propanediol from sucrose wherein the microorganism comprises: a two step metabolic pathway for the production of 1 3 propanediol comprising a first step of decarboxylation of4 hydroxy 2 ketobutyrate with an enzyme having a 2 keto acid decarboxylase activity and a second step of reduction of the obtained 3 hydroxypropionaldehyde with an enzyme having hydroxy aldehyde reductase activity and genes enabling the microorganism to utilize sucrose as sole carbon source. The invention also concerns a new method for the biological preparation of 1 3 propanediol by fermentation comprising cultivating said microorganism genetically modified wherein the culture is performed in an appropriate medium comprising a source of sucrose and recovering the 1 3 propanediol being produced. In a preferred aspect of the invention the source of sucrose is obtained from plant biomass.

No. of Pages : 40 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/12/2012

(21) Application No.11414/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MAXIMIZING LIFE OF CAPACITORS IN SERIES MODULES

(51) International classification :H02J7/02,H02J7/34
(31) Priority Document No :1055134
(32) Priority Date :28/06/2010
(33) Name of priority country :France
(86) International Application No :PCT/US2011/042239
Filing Date :28/06/2011
(87) International Publication No :WO 2012/006115
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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Address of Applicant :3888 CALLE FORTUNADA, SAN DIEGO, CALIFORNIA 92123, USA
(72)**Name of Inventor :**
**1)MAYNARD Xavier**
**2)MILEWSKI Andr**
**3)SARTORELLI Gianni**
**4)SETTERBERG Mikael**

(57) Abstract :
A device (1) monitors and/or balances an ultracapacitor (3) and/or a module (4) comprising a plurality of ultracapacitors (3) connected in series the module (4) being connectable in series or in parallel with other modules (4). The device comprises an electronic board (2) comprising digital control and/or command means such as a microcontroller (5) executing a program for monitoring and balancing the ultracapacitor (3) and/or the module (4). The relative capacitances of the capacitors are measured and this information is employed to determine when to carry out a controlled discharge of particular capacitors. Temperature information is also employed to determine when to carry out a controlled discharge of particular capacitors. In this way the lifetime of any particular capacitor is desirably extended to be no shorter than the lifetime of other longer lived capacitors in the module.

No. of Pages : 30 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1764/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SURFACE TREATMENT PLANT FOR MOTOR VEHICLE BODIES

(51) International classification :B62D65/18
(31) Priority Document No :10 2010 045 014.6
(32) Priority Date :10/09/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/004177
Filing Date :19/08/2011
(87) International Publication No :WO 2012/031678
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)ROBBIN Jrg**
**2)DEMCZAK Thomas**
**3)HANF J¼rgen**

(57) Abstract :
The invention relates to a surface treatment plant for vehicle bodies comprising a first treatment area (8) which comprises a first conveyor system (14) enabling a vehicle body (4) to be conveyed through the first treatment area (8) and a second treatment area (10) which comprises a second conveyor system (56) enabling the vehicle body (4) to be conveyed through the second treatment area (10). A transfer device (66; 112) enables the vehicle body (4) to be transferred from the first conveyor system (14) to the second conveyor system (56). Said transfer device (66; 112) comprises support means (102 104; 122 124) which engage on regions of the vehicle body (4) and at least one is arranged in particular on the highest point of the horizontal and the vehicle body (4) is oriented roof upwards. The invention also relates to a method for conveying vehicle bodies through a surface treatment plant.

No. of Pages : 59 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1765/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HIGH SPEED SPECTROMETER

(51) International classification :G01J1/08,G01J3/10,G01J3/453
(31) Priority Document No :61/378223
(32) Priority Date :30/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/049687
Filing Date :30/08/2011
(87) International Publication No :WO 2012/030795
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)JOHNSON Brady A.**
**2)MARINSKIY Dmitriy**

(57) Abstract :
A system for measuring quantum efficiency in a sample photovoltaic cell includes a Fourier transform infrared spectrometer. One or more light source for illuminating the photovoltaic cell in a wavelength range of interest are provided.

No. of Pages : 16 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11168/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : BIOMETRIC VERIFICATION DEVICE AND METHOD

(51) International classification :G06K9/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/SE2010/050809
Filing Date :12/07/2010
(87) International Publication No :WO 2012/008885
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)FINGERPRINT CARDS AB**
Address of Applicant :Box 2412 SE 403 16 Gteborg Sweden
(72)**Name of Inventor :**
**1)STORM Henrik**
**2)SETTERBERG Eric**

(57) Abstract :
The invention relates to a biometric device (1) for capturing fingerprint information and for extracting significant data from a partial fingerprint area comprising processing means (8) a line sensor (2) for consecutively capturing fractional fingerprint images from fractional areas of a finger through a relative sliding movement between the finger and the line sensor means for consecutively storing the fingerprint information in a first memory (6) decision making means (3) for deciding when the information stored in the first memory constitutes a partial fingerprint area extraction means (4) for extracting significant data from the partial fingerprint area stored in the first (7) where the captured fractional fingerprint images are stored in the first memory (6) in such a way that several consecutive fractional images are compared with the previously captured images and are combined together to form a partial fingerprint area which is large enough for the extraction of the significant data and where the oldest stored fingerprint image data is discarded from the first memory (6) when new fingerprint image data is stored in the first memory (6). In this way it is possible to use a line sensor with a limited surface and still be able to reduce the memory requirements by extracting significant data representing the fingerprint.

No. of Pages : 29 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/02/2013

(21) Application No.1508/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : AC MOTOR ROTATION DIRECTION DETECTING METHOD AND ELECTRIC POWER CONVERSION DEVICE FOR AC MOTOR USING SAME

| | |
|---|---|
| (51) International classification | :H02P27/06 |
| (31) Priority Document No | :NA |
| (32) Priority Date | :NA |
| (33) Name of priority country | :NA |
| (86) International Application No<br>Filing Date | :PCT/JP2010/005486<br>:07/09/2010 |
| (87) International Publication No | :WO 2012/032571 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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(72)**Name of Inventor :**
**1)ARAO Yusuke**
**2)IBORI Satoshi**

(57) Abstract :
Provided i s an A C motor rotation direction detecting method for rapidly and accurately detecting the rotation direction when the A C motor i s restarted after the occurrence of an instantaneous power failure and also provided i s an electric power conversion device. The elec tric power conversion device comprises: a power rectifier (21); a smooth ing capacitor (22); an inverter (23) for converting the D C power output from the power rectifier to three-phase A C power with a desired frequen cy; and a control driving unit (4) for controlling the drives of switching el ements constituting the inverter. In the rotation direction detecting method used in the electric power conversion device for the A C motor for supply ing the A C power with the converted desired frequency t o the A C motor, a timing (t A) or timing ( t i s detected, at which the A C voltages of the U - phase and V-phase of three-phase A C induced electromotive force fixim the A C motor are intersected with each other. When the three-phase A C power i s supplied again to the A C motor after the output of the electric power conversion device i s interrupted, some of the switching elements constituting the inverter are selectively driven responsive to the detected timing to form the flow path of a back-flow current between the inverter and the A C motor, thereby determining the rotation direction of the motor from the detected back-flow current.

No. of Pages : 55 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1771/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CATALYST MANUFACTURING METHOD

(51) International classification :B01J35/02,B01J37/00,B22F3/105
(31) Priority Document No :1014950.8
(32) Priority Date :08/09/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/051582
Filing Date :22/08/2011
(87) International Publication No :WO 2012/032325
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)JOHNSON MATTHEY PUBLIC LIMITED COMPANY**
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(72)**Name of Inventor :**
**1)COUPLAND Duncan Roy**

(57) Abstract :
A method for producing a catalyst using an additive layer method is described comprising: (i)forming a layer of a powdered catalyst or catalyst support material (ii)binding or fusing the powder in said layer according to a predetermined pattern (iii)repeating (i) and (ii) layer upon layer to form a shaped unit and (iv)optionally applying a catalytic material to said shaped unit

No. of Pages : 16 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/12/2012

(21) Application No.11207/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD AND CONTROL ARRANGEMENT FOR CONTROLLING CENTRAL CAPACITORS IN WIND POWER PLANTS

(51) International classification :H02J3/18,F03D7/00,F03D9/00
(31) Priority Document No :PA 2010 70240
(32) Priority Date :03/06/2010
(33) Name of priority country :Denmark
(86) International Application No :PCT/DK2011/050184
Filing Date :31/05/2011
(87) International Publication No :WO 2011/150932
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)GARCIA Jorge Martinez**

(57) Abstract :
The present invention relates to a control system and an associated method for controlling an amount of reactive power delivered from a wind power plant to an associated power supply grid the control system comprising a wind power plant controller and a number of wind turbine controllers each being in communication with said wind power plant controller wherein the wind power plant controller is adapted to provide a grid voltage reference in response to a required total amount of reactive power to at least one wind turbine controller and operating a Switched Capacitor bank.

No. of Pages : 18 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/12/2012

(21) Application No.11208/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PRODUCTION CONTROL METHOD AND DEVICE FOR CHECKING THE TRAVERSABILITY OF PIPES

| | |
|---|---|
| (51) International classification | :G01B11/10,G01B17/02,G01N29/44 |
| (31) Priority Document No | :1002351 |
| (32) Priority Date | :03/06/2010 |
| (33) Name of priority country | :France |
| (86) International Application No<br>Filing Date | :PCT/FR2011/000319<br>:30/05/2011 |
| (87) International Publication No | :WO 2011/151538 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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**1)NITSCHE Stefan**
**2)GROOS Andreas**
**3)GUO Xiaoxing**
**4)NOURRIT Nicolas**
**5)SEGURA Alejandra**

(57) Abstract :
The invention relates to a device for checking steel pipes during production and to its method of use. The device comprises a station for acquiring measurement data representative of physical measurements of the geometry of a pipe taken on the outside thereof. It comprises on the one hand a computer system capable of storing template data applicable in a coordinate system and representative of the overall geometry of a sizing body. In a chosen coordinate system the system then provides a three dimensional representation of parts of the pipe. For each part of the pipe the system is designed to determine a critical parameter representative of the margin of passage of the sizing body inside a chosen part of the pipe. The method and device of the invention may thus establish a diagnostic of the traversability of the pipe by a sizing body.

No. of Pages : 38 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1773/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A DUAL STEERABLE VEHICLE

(51) International classification :B62K9/02,B62K21/24
(31) Priority Document No :61/523215
(32) Priority Date :12/08/2011
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2012/054043
Filing Date :08/08/2012
(87) International Publication No :WO 2013/024403
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)BARON Yoram**

(57) Abstract :
A tricycle (810) may be operable between a first mode of operation steerable by a tricycle rider and a second mode of operation steerable by an individual pushing the tricycle. In both such first and second modes the frame (700) of the tricycle (810) is configured to rotatably support the rear wheels (400) and configured to support the head tube (707) at a distance from the rear wheels (400) such that a distance between the head tube (707) and rear wheels (400) need not necessarily be changed even when the front wheel axis location is changed from one mode to another.

No. of Pages : 73 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1774/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ADHESIVE STRUCTURE WITH STIFF PROTRUSIONS ON ADHESIVE SURFACE

(51) International classification :C09J7/00,A61B17/08,A61L31/04
(31) Priority Document No :12/871745
(32) Priority Date :30/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/048584
Filing Date :22/08/2011
(87) International Publication No :WO 2012/030570
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)COOPER Kevin**
**3)ELMOUELHI Noha**
**4)VYAKARNAM Murty N.**
**5)YEE Low Hong**
**6)RODRIGUEZ Isabel**
**7)TIONG Lim Chee**
**8)YEE Audrey Ho Yoke**

(57) Abstract :
An adhesive structure is provided comprising a surface from which extend substantially cylindrical protrusions comprising a stiff resin having a Young s modulus of greater than 17 MPa. The protrusions are of sufficiently low diameter to promote adhesion by physical attractive forces e.g. Van der Waals attractive forces as measured by shear adhesion between the adhesive structure and a target surface. A method for preparing the structure is provided as well as a combination of the adhesive structure and target surface.

No. of Pages : 70 No. of Claims : 80

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1775/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MOVING PICTURE PROCESSING DEVICE AND MOVING PICTURE PROCESSING METHOD AND PROGRAM

(51) International classification :H04N5/91,G06T7/20,G11B27/02
(31) Priority Document No :2010198984
(32) Priority Date :06/09/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/069395
Filing Date :29/08/2011
(87) International Publication No :WO 2012/032953
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)TAKAGI Yoshinori**

(57) Abstract :
To provide a moving picture processing device and a moving picture processing method and program which are capable of producing component images in which the composition of the moving picture can be easily grasped. [Solution] Transitions between cuts are detected from a moving picture (MP) comprising a plurality of cuts the plurality of cuts are categorized into a plurality of cut groups having different feature amounts (S) a plurality of cut pairs that are repeated in the moving picture are specified the cut pairs being comprised of two or more sequential cuts belonging to different cut groups at least a part of the plurality of cuts are combined to produce a predetermined number of the cut pairs (Nopt) less than the plurality of cut pairs from the plurality of cut pairs such that the two or more cuts composing each cut pair belong to different cut groups and the context of the cut transitions in the moving picture is maintained and a cut composition image (CI) comprising the produced cut pairs is produced.

No. of Pages : 68 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/12/2012

(21) Application No.10988/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FUEL COMPOSITIONS COMPRISING ISOPRENE DERIVATIVES

(51) International classification :C08F
(31) Priority Document No :61/356,017
(32) Priority Date :17/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/040977
Filing Date :17/06/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)MCAULIFFE Joseph C.**

(57) Abstract :
The invention provides for methods compositions and systems using isoprene from a bioisoprene composition derived from renewable carbon for production of a variety of hydrocarbon fuels fuel additives and additives for fine chemistry and other uses.

No. of Pages : 108 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/12/2012

(21) Application No.10989/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : EXHAUST GAS PURIFICATION DEVICE FOR INTERNAL COMBUSTION ENGINE

(51) International classification :B27F
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2010/062652
Filing Date :21/07/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)Yusuke NAKAYAMA**
**2)Yukihiro SONODA**
**3)Takaaki ITOU**
**4)Takaaki KANAZAWA**

(57) Abstract :
An ambient NOx adsorption catalyst (24) that can adsorb NOx contained in an exhaust gas in the presence of CO under standard conditions is placed in an engine exhaust gas passage in an internal combustion engine. Until an engine post-initiation catalyst (24) is activated the amounts of a high-boiling-point hydrocarbon and an unsaturated hydrocarbon that are contained in the exhaust gas flowing into the catalyst (24) are reduced so that the NOx-adsorbing activity cannot be deteriorated by the adhesion activity of the hydrocarbons while maintaining the CO concentration in the exhaust gas flowing into the catalyst (24) at a level higher than the concentration required for the adsorption of NOx.

No. of Pages : 47 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2013

(21) Application No.1729/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : COMBINATION PHARMACEUTICAL COMPOSITION AND METHODS OF TREATING AND PREVENTING THE INFECTIOUS DISEASES

| | |
|---|---|
| (51) International classification | :C07K16/24,C07K16/28,A61K39/40 |
| (31) Priority Document No | :2010133043 |
| (32) Priority Date | :06/08/2010 |
| (33) Name of priority country | :Russia |
| (86) International Application No<br>Filing Date | :PCT/IB2011/002470<br>:15/07/2011 |
| (87) International Publication No | :WO 2012/017328 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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**2)TARASOV Sergey Alexandrovich**
(72)**Name of Inventor :**
**1)EPSHTEIN Oleg Iliich**
**2)TARASOV Sergey Alexandrovich**

(57) Abstract :
The present invention relates to a combination pharmaceutical composition comprising a) an activated-potentiated o form of an antibody to at least one cytokine and b) an activated-potentiated form of an antibody to at least one receptor, and meth ods of treating and preventing the infectious diseases, including bacterial infections caused by different infectious agents such as pseudotuberculosis, whooping cough, yersiniosis, pneumonitis of different etiology, and acute and chronic viral infections such as acute respiratory tract infections, influenza of different types, acute viral hepatitis A, B, C and other types of hepatitis, the diseases and conditions caused by H V or associated with HIV, including AIDS.

No. of Pages : 102 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2013

(21) Application No.1730/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DATA PROCESSING DEVICE AND DATA PROCESSING METHOD

(51) International classification :H03M13/19
(31) Priority Document No :2010197393
(32) Priority Date :03/09/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/069110
Filing Date :25/08/2011
(87) International Publication No :WO 2012/029614
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)SHINOHARA Yuji**
**2)KIKUCHI Atsushi**
**3)YAMAMOTO Makiko**
**4)YOKOKAWA Takashi**

(57) Abstract :
The present invention relates to a data processing device and a data processing method that can improve the robustness of data against errors. An LDPC encoder (115) performs encoding with one of LDPC codes having a code length of 4320 bits and one of four encoding rates of 1/2 7/12 2/3 or 3/4. The parity check matrix (H) for each LDPC code has a structure in which elements with the value 1 in the information matrix of the parity check matrix (H) are arranged in cycles of 72 columns in the column direction the information matrix being determined by a parity check matrix initial value table that indicates the positions of the elements with the value 1 in the information matrix in cycles of 72 columns the information matrix corresponding to the information length which is a function of the code length and the encoding rate. The parity check matrix initial value table is for example designed for digital broadcasting for mobile terminals. The present invention is applicable to LDPC encoding.

No. of Pages : 443 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1779/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : WATER TANK INSTALLATION SYSTEM

(51) International classification :E03D1/26,F16B5/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2010/062956
Filing Date :03/09/2010
(87) International Publication No :WO 2012/028201
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)TOPCU Birol**

(57) Abstract :
The installation system developed by the present invention comprises a guide bolt (5) which is fastened to the toilet bowl (C) and which comprises a slot (5a) which extends throughout the bolt and a fastening element (4) that secures the said bolt (5). The installation system comprises an installation element (6) comprising a large diameter socket (7a) and a small diameter socket (8a). The installation element (6) is screwed to guide bolt (5) through its large diameter socket (7a). Passing through a hole (B1) on the water tank (B) and a slot (5a) a bolt (1) is screwed into the small diameter socket (8a) of the element (6). The installation system (A) ensures that the water tank (B) is uninstalled from and installed to the toilet bowl (C) without removing the toilet bowl (C) from where it is installed.

No. of Pages : 13 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/12/2012

(21) Application No.11096/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : TRANSPORT APPARATUS WITH MOVING TRUCKS

(51) International classification :A47J
(31) Priority Document No :10 2010 023 062.6
(32) Priority Date :08/06/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/DE2011/000245
Filing Date :10/03/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)Manfred B–HRER**

(57) Abstract :
The invention relates to a transport apparatus (01) for transporting goods wherein a moving truck arrangement (15) consisting of at least two moving truck elements (16 17) can be displaced along a guide track (03) wherein great spatial freedom of design of the guide track (03) is made possible. The moving truck arrangement (15) here can be moved both in a pulling and in a pushing manner by means of a drive. By means of suitable arrangements the goods can be transported by the individual moving truck elements (16 17).

No. of Pages : 60 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/12/2012

(21) Application No.11097/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : INTRA-ORAL TISSUE CONDUCTION MICROPHONE

(51) International classification :A61B
(31) Priority Document No :61/349,508
(32) Priority Date :28/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/038441
Filing Date :27/05/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)Tim PROULX**
**2)Reza KASSAYAN**

(57) Abstract :
Intra-oral tissue conduction microphone apparatus and methods are described for internal but non-surgically installed microphones located in the oral cavity. An intra-oral tissue conduction microphone may be attached adhered or integrated with a removable dental appliance which is positioned against the inside surfaces of the cheek palate or gingiva. The sensor serves as a component in a non-observable hearing body sound monitoring or communications device that can operate in environments incompatible with most existing devices. Generally a piezoelectric film serves as the sensor that is well matched to tissue and which directly converts to an electrical signal by the piezoelectric effect signals which are received through the oral mucosa gingiva or palate.

No. of Pages : 33 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1777/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MEDICAL INFORMATION DISPLAY DEVICE METHOD AND PROGRAM

| | |
|---|---|
| (51) International classification | :A61B5/00,G06F3/048,G06Q50/00 |
| (31) Priority Document No | :2010191853 |
| (32) Priority Date | :30/08/2010 |
| (33) Name of priority country | :Japan |
| (86) International Application No<br>Filing Date | :PCT/JP2011/004710<br>:24/08/2011 |
| (87) International Publication No | :WO 2012/029255 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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(72)**Name of Inventor :**
**1)ASAMI Masahiro**
**2)SHIRASAKA Hajime**

(57) Abstract :
To enable easier retrieval of desired medical information with more intuitive operations. [Solution] In the display of an image of the subject s external appearance (human body icon (45)) the user interface for input of retrieval criteria (32) receives input of a gesture. On the basis of the type of gesture identified by the gesture classifying unit (33) and the part of the subject that is specified by the gesture site analyzing unit (34) and corresponds to said gesture a retrieval criterion specifying unit (35) specifies medical information retrieval criteria for retrieving the medical information corresponding to the gesture. A medical information retrieving unit (36) selectively retrieves from a medical information database (53) that stores multiple items of medical information medical information satisfying the specified medical information retrieval criteria. A medical information display control unit (36) displays the retrieved medical information on a display means.

No. of Pages : 107 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1778/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : LIGHTNING CURRENT TRANSFER ARRANGEMENT OF A WIND TURBINE

(51) International classification :F03D11/00
(31) Priority Document No :PA 2010 00692
(32) Priority Date :02/08/2010
(33) Name of priority country :Denmark
(86) International Application No :PCT/EP2011/058920
Filing Date :31/05/2011
(87) International Publication No :WO 2012/016726
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)LYNGBY Claus Gr¸n**
**2)ERICHSEN Hans V.**

(57) Abstract :
A lightning current transfer arrangement for a wind turbine is provided to enable lightning current and electrostatic discharge current to be discharged from a first and a second part of the wind turbine being rotatable relative to each other. The lightning current transfer arrangement is arranged to provide electrical contact between the first and second parts and has a current transfer unit electrically coupled to the first part and an electrically conductive slideway electrically coupled to the second part and rotatable relative to the current transfer unit. The current transfer unit further has a slider elastically biased towards the slideway where the slider comprises a slide piece made of conductive plastics and contacting the slideway and an electrode made of metal and directed towards the slideway the electrode and the slide piece being rigidly coupled.

No. of Pages : 24 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11148/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : RADIAL DEPLOYMENT SURGICAL TOOL

(51) International classification :A61B17/16,A61B17/32
(31) Priority Document No :61/349303
(32) Priority Date :28/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/037724
Filing Date :24/05/2011
(87) International Publication No :WO 2011/149926
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)ZYGA TECHNOLOGY INC.**
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(72)**Name of Inventor :**
**1)ASSELL Robert L.**
**2)BERG Thomas Godfrey**

(57) Abstract :
A radial deployment surgical tool having an inner shaft an outer shaft and a function head. The radial deployment surgical tool is adapted for performing surgical procedures within narrow regions within a patient.

No. of Pages : 29 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2013

(21) Application No.1731/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD AND DEVICE FOR THE STERILE CONNECTION OF PIPES

(51) International classification :A61M39/14,B29C65/20
(31) Priority Document No :10173187.5
(32) Priority Date :18/08/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/063541
Filing Date :05/08/2011
(87) International Publication No :WO 2012/022635
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)SCHWALM Michael**
**2)BRCKNER Thomas**

(57) Abstract :
The invention relates to a method for the sterile connection of pipes consisting of the following steps: a) a first and a second pipe (1a 1b) is provided; b) a separating area of the first and second pipes (1a b) is heated using heating means; c) both pipes (1a 1b) are mechanically separated by exerting traction and/or shear force onto the pipes so that both pipes (1a 1b) are respectively separated in the heated separating area in a first and a second pipe section (100a 100b 101a 101b); and d) after the pipes (1a 1b) are separated a mechanical contact between the end (1001a) of the first pipe section (100a) of the first pipe (1a) formed by the separation of the first pipe is established with the end (1001b) of the first pipe section (100b) of the second pipe (100b) formed by the separation of the second pipe (1b) and e) mechanical contact is established such that the ends (1001a 1001b) of the pipe sections (100a 100b) still have following the heating according to step b) when they come into mechanical contact with each other a temperature such that they form a material fit connection without additional heating after separation. The invention also relates to a device for the sterile connection of pipes.

No. of Pages : 65 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2013

(21) Application No.1732/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HIGH STRENGTH ALPHA/BETA TITANIUM ALLOY FASTENERS AND FASTENER STOCK

(51) International classification :C22C14/00,C22F1/18,A61L27/06
(31) Priority Document No :12/888699
(32) Priority Date :23/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/050595
Filing Date :07/09/2011
(87) International Publication No :WO 2012/039927
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)BRYAN David J.**

(57) Abstract :
An article of manufacture selected from a titanium alloy fastener and a titanium alloy fastener stock including an alpha/beta titanium alloy comprising in percent by weight: 3.9 to 4.5 aluminum; 2.2 to 3.0 vanadium; 1.2 to 1.8 iron; 0.24 to 0.3 oxygen; up to 0.08 carbon; up to 0.05 nitrogen; titanium; and up to a total of 0.3 of other elements. In certain embodiments article of manufacture has an ultimate tensile strength of at least 170 ksi (1 172 MPa) and a double shear strength of at least 103 ksi (710.2 MPa). A method of manufacturing a titanium alloy fastener and a titanium alloy fastener stock comprising the alpha/beta alloy is disclosed.

No. of Pages : 27 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1782/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : THERMOSTABLE TRICHODERMA CELLULASE

(51) International classification :C12P21/06,C12N1/00,C07D491/048
(31) Priority Document No :61/394946
(32) Priority Date :20/10/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/056810
Filing Date :19/10/2011
(87) International Publication No :WO 2012/054554
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)MIASNIKOV Andrei**
**2)SCHELLE Michael**
**3)WARD Michael**

(57) Abstract :
Described are compositions and methods relating to the thermostable fungal cellulase enzyme EGV, and Trichoderma host cells having a modification comprising or consisting essentially of disruption or deletion of nucleotide(s) for expression of this cellulose whereby EGV expression is prevented.

No. of Pages : 81 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1783/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SYSTEMS AND METHODS FOR INTRAVENOUS DRUG MANAGEMENT USING IMMITTANCE SPECTROSCOPY

| | |
|---|---|
| (51) International classification | :A61M5/172,G01N27/06,G01N27/08 |
| (31) Priority Document No | :61/381076 |
| (32) Priority Date | :09/09/2010 |
| (33) Name of priority country | :U.S.A. |
| (86) International Application No<br>Filing Date | :PCT/US2011/051098<br>:09/09/2011 |
| (87) International Publication No | :WO 2012/034084 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

(71)**Name of Applicant :**
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**3)BENNETT James W.**
**4)SMITH Matthew F.**
**5)LITVINTSEVA Svetlana**
**6)BLANKE Kit**

(57) Abstract :
Described herein are devices systems and methods for determining the composition of liquids including the identity of one or more drugs in the liquid the concentration of the drug and the type of diluent using immittance spectroscopy. These devices systems and methods are particularly useful for describing the identity and in some variations concentration of one or more components of a medical liquid such as intravenous fluid. In particular described herein are devices systems and methods that may operate in low ionic strength diluents. Also described are methods of recognizing complex immittance spectrograph patterns to determine the composition of a liquid by pattern recognition.

No. of Pages : 190 No. of Claims : 86

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/12/2012

(21) Application No.11034/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MULTILAYER FILMS CONTAINING A FLUORINATED COPOLYMER RESIN LAYER AND AN ENCAPSULANT LAYER

(51) International classification :B32B27/32,B32B27/36,C08L33/06
(31) Priority Document No :61/369628
(32) Priority Date :30/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/045859
Filing Date :29/07/2011
(87) International Publication No :WO 2012/016123
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)PREJEAN George Wyatt**
**2)SAMUELS Sam Louis**

(57) Abstract :
A multilayer film comprises a layer consisting essentially of a fluorinated copolymer resin film and a layer consisting essentially of a blend of two ethylene copolymers. The first ethylene copolymer comprises copolymerized units of ethylene optionally a first olefin having the formula CH=C(R)COR and a second olefin having the formula CH=C(R)COOH. The second ethylene copolymer consists essentially of copolymerized units of ethylene optionally a first olefin having the formula CH=C(R)COR and a third olefin having the formula CH=C(R)D. R R and R represent hydrogen or an alkyi group; R represents an alkyi group; and D represents a moiety containing an epoxy group. The multilayer film is useful as an integrated frontsheet or backsheet for photovoltaic modules. Methods for preparing the multilayer film and the photovoltaic modules are also included.

No. of Pages : 34 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/12/2012

(21) Application No.11035/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A THIAZOLE COMPOUND□

(51) International classification :C07C
(31) Priority Document No :2004-146834
(32) Priority Date :17/05/2004
(33) Name of priority country :Japan
(86) International Application No :PCT/JP05/008873
Filing Date :16/05/2005
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :6587/DELNP/2006
Filed on :07/11/2006

(71)**Name of Applicant :**
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**6)HIDETAKA HIYAMA**
**7)MASATOSHI CHIHIRO**
**8)HIDEKI KAWASOME**
**9)YOKO SAKAMOTO**
**10)HIRONOBU ISHIYAMA**
**11)TAKUMI SUMIDA**
**12)KAZUHIKO FUJITA**
**13)HIDEKI KITAGAKI**

(57) Abstract :
A thiazole compound represented by Formula (1), an optical isomer thereof, or a salt thereof: R2 R1 (1) wherein R1 , R2 and A are herein described.

No. of Pages : 99 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/12/2012

(21) Application No.11036/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A THIAZOLE COMPOUND□

(51) International classification :C07C
(31) Priority Document No :2004-146834
(32) Priority Date :17/05/2004
(33) Name of priority country :Japan
(86) International Application No :PCT/JP05/008873
Filing Date :16/05/2005
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :6587/DELNP/2006
Filed on :07/11/2006

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**13)HIDEKI KITAGAKI**

(57) Abstract :
A thiazole compound represented by Formula (1), an optical isomer thereof, or a salt thereof: R2 R1 (1) wherein R1, R2 and A are herein described.

No. of Pages : 99 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/12/2012

(21) Application No.11037/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A THIAZOLE COMPOUND□

(51) International classification :C07C
(31) Priority Document No :2004-146834
(32) Priority Date :17/05/2004
(33) Name of priority country :Japan
(86) International Application No :PCT/JP05/008873
Filing Date :16/05/2005
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :6587/DELNP/2006
Filed on :07/11/2006

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**12)KAZUHIKO FUJITA**
**13)HIDEKI KITAGAKI**

(57) Abstract :
A thiazole compound represented by Formula (1), an optical isomer thereof, or a salt thereof: R1 (1) wherein RI, R2 and A are herein described.

No. of Pages : 99 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1797/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FUNGICIDAL COMPOSITIONS

(51) International classification :A01N43/56,A01N61/00,A01P3/00
(31) Priority Document No :10185310.9
(32) Priority Date :01/10/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/066809
Filing Date :28/09/2011
(87) International Publication No :WO 2012/041874
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)STIERLI Daniel**

(57) Abstract :
A method of controlling phytopathogenic diseases on useful plants or on propagation material thereof, which comprises applying to the useful plants, the locus thereof or propagation material thereof a combination of components (A) and (B) in a synergistically effective amount, wherein component (A) is a com pound of formula (I) compound of formula (I) wherein R is hydrogen or methoxy; Q is (Qi) or (Q2) ; Riis hydrogen, halogen or CiC6alkyl; R2 is hydrogen, halogen, CiC alkyl, C2-C alkenyl, -C alkinyl, -C cycloalkyl -C alkinyl, halophenoxy, halophenyl-C -C alkinyl, C(Ci-C4alkyl)=NO-Ci-C alkyl, CiC haloalkyl CiC6haloalkoxy, C2-C6haloalkenyl, or C2-C6haloalkenyloxy; is hydrogen, halo gen, CiC6alkyl; R4, and independently from each other, are hydrogen, halo gen or with the proviso that at least one of R4, and is different from hydrogen; R7 is hydrogen, CiC6alkyl, CiCehaloalkyl or CiC4alkoxyalkyl; and Rs is hydrogen or methoxy; and agrochemically acceptable salts/isomers/structural isomers/ stereoisomers/diastereoisomers/enantiomers/tautomers and N-oxides of those compounds; and component (B) is a compound selected from compounds known for their fungicidal and/or insecticidal activity, is particularly effective in controlling or preventing fungal diseases of useful plants.

No. of Pages : 82 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1798/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SLIDING DEVICE FOR ELECTRONIC APPARATUS

(51) International classification :H04M1/02
(31) Priority Document No :2010193216
(32) Priority Date :31/08/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/069489
Filing Date :29/08/2011
(87) International Publication No :WO 2012/029723
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)MITSUI Yasuhiro**

(57) Abstract :
This sliding device for an electronic apparatus contains a contact piece that protrudes to the outside in the direction of thickness of a sliding plate and a contacted section that the contact piece contacts when the sliding plate is slid to maximum displacement in the backwards direction with respect to a substrate; the contact piece has a connecting surface and a partial cylinder surface; and the contacted piece has a contacted shape section that is contacted to the border portion of the connecting surface and the partial cylinder surface and that applies rotating force that moves the front end of the sliding plate towards the direction of the underside with respect to the back end and a engaged shape section to which the partial cylinder surface and the connecting surface engage.

No. of Pages : 51 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/12/2012

(21) Application No.11225/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CYCLOHEXYL AZETIDINYL ANTAGONISTS OF CCR2

| | |
|---|---|
| (51) International classification | :C07D401/12,C07D401/14,C07D403/12 |
| (31) Priority Document No | :61/355663 |
| (32) Priority Date | :17/06/2010 |
| (33) Name of priority country | :U.S.A. |
| (86) International Application No<br>Filing Date | :PCT/US2011/040610<br>:16/06/2011 |
| (87) International Publication No | :WO 2011/159854 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

(71)**Name of Applicant :**
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**1)LANTER James C.**
**2)MARKOTAN Thomas P.**
**3)SUBASINGHE Nalin**
**4)SUI Zhihua**

(57) Abstract :
The present invention comprises compounds of Formula (I). Wherein: R R R J Q and A are as defined in the specification. The invention also comprises a method of preventing treating or ameliorating a syndrome disorder or disease wherein said syndrome disorder or disease is type II diabetes obesity and asthma. The invention also comprises a method of inhibiting CCR2 activity in a mammal by administration of a therapeutically effective amount of at least one compound of Formula (I).

No. of Pages : 250 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2013

(21) Application No.1742/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CHROMATE FREE COATED METAL PLATE

(51) International classification :B32B15/08,B05D7/14,C09D7/12
(31) Priority Document No :2010194170
(32) Priority Date :31/08/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/070302
Filing Date :31/08/2011
(87) International Publication No :WO 2012/029977
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**3)FUDA Masahiro**
**4)WADA Yusuke**
**5)SATO Rie**
**6)OKUMURA Koji**

(57) Abstract :
This chromate free coated metal plate has a coating film (a) containing an organic resin (A) silica particles (C) and polyolefin resin particles (D) on at least one surface of a metal plate. When considering the average particle size of the polyolefin resin particles (D) to be a μm and the thickness of the coating film (a) to be b μm the relationships 0.5 = a = 3 2 = b = 10 and 0.1 = a/b = 0.8 are satisfied and the silica particles (C) include both spherical silica particles (C1) having an average particle size of 5 50 nm and spherical silica particles (C2) having an average particle size of 0.3 5 μm. The result is a low cost aesthetic chromate free coated metal plate having highly superior workability corrosion resistance damage resistance and the like without including hexavalent chromium which has a high environmental impact

No. of Pages : 91 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2013

(21) Application No.1744/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR VULCANIZING PNEUMATIC TYRE CASINGS

(51) International classification :B29C35/04,B29D30/06
(31) Priority Document No :2010131340
(32) Priority Date :26/07/2010
(33) Name of priority country :Russia
(86) International Application No :PCT/RU2011/000545
Filing Date :22/07/2011
(87) International Publication No :WO 2012/015338
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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(57) Abstract :
The invention relates to the field of the production of pneumatic tyre casings assembled on assembly drums and can be used in the vulcanization of such casings. The technical result of the invention consists in simplifying the technological vulcanization process and the design of the shaper vulcanizer and reducing the amount of time the energy consumption and the waste materials involved in and resulting from vulcanization. The method for vulcanizing pneumatic tyre casings comprises assembling the casing on an assembly drum then placing the unvulcanized casing into a shaper vulcanizer which comprises a press mould consisting of an upper half and a lower half provided with seals for keeping the press mould airtight and carrying out the vulcanization process. During assembly of the casing vulcanized rubber is used as the first inner layer and subsequently performs the role of a diaphragm. Two adjusting rings which ensure the supply of coolant directly into the inner cavity of the casing under optimum pressure are arranged in the inner part of the press mould. Once the vulcanization process is complete the first inner layer is left in the casing as an integral part thereof.

No. of Pages : 20 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1792/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : IN SITU REAGENT FOR DETECTION OF PROTEINS

(51) International classification :G01N33/50,G01N33/52,G01N33/68
(31) Priority Document No :1014028.3
(32) Priority Date :20/08/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/001244
Filing Date :19/08/2011
(87) International Publication No :WO 2012/022945
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)RUIZ ANTOLI Soledad Cecilia**
**3)BABU NANYUNI Nanda Kishore**

(57) Abstract :
The present invention relates to a stable protein and/or amino acid detecting composition that can be used as a reagent for in situ detection such as on surfaces. The invention also relates to a method for detecting protein and/or amino acid on surfaces using the composition and kits comprising the composition.

No. of Pages : 45 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1793/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR THERMAL PROCESSING OF ARTICLES CONSISTING OF ALLOYS ON THE BASIS OF IRON (VARIANTS)

(51) International classification :C21D1/19,C21D6/00,C21D8/00
(31) Priority Document No :2010133286
(32) Priority Date :10/08/2010
(33) Name of priority country :Russia
(86) International Application No :PCT/RU2011/000595
Filing Date :08/08/2011
(87) International Publication No :WO 2012/021090
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)GORNOSTYREV Yury Nikolaevich**
**3)KATSNELSON Mikhail Iosifovich**
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**8)KORNILOV Vladimir Leonidovich**
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**10)SAMOKHVALOV Gennady Vasilievich**
**11)MURIKOV Sergey Anatolievich**
**12)KOROLEV Alexandr Vasilievich**
**13)VORONIN Vladimir Ivanovich**
**14)URTSEV Nikolay Vladimirovich**

(57) Abstract :
The invention relates to the field of thermal processing of articles consisting of steel and alloys on the basis of iron with a carbon content of up to 4.3% by mass. In order to reduce the duration of the technological processes used for producing articles consisting of alloys on the basis of iron with a set structural state the first variant of the method comprises heating the articles so as to form austenite and then cooling which is performed under conditions which ensure the formation in the structure of the alloy of regions of austenite with a chemical composition similar to eutectoid with the subsequent formation in said regions of marinite and a set structural state so as to produce perlite with a different degree of dispersion and/or hardened structures. The second variant of the method comprises heating the article which is performed under conditions which ensure the formation in the structure of the alloy of marinite and then cooling with the formation of a set structural state so as to produce perlite with a different degree of dispersion and/or hardened structures. When implementing the methods pulsed cooling plastic deformation and the action of a magnetic field are used.

No. of Pages : 84 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/02/2013

(21) Application No.1710/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD AND APPARATUS FOR ACCOMMODATING DISPLAY MIGRATION AMONG A PLURALITY OF PHYSICAL DISPLAYS

(51) International classification :G09G5/00,G09G5/12
(31) Priority Document No :12/872859
(32) Priority Date :31/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2011/000986
Filing Date :30/08/2011
(87) International Publication No :WO 2012/027830
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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**2)LI Xiaoqing Frederick**

(57) Abstract :
A method and apparatus provides for the accommodation of display migration among a plurality of physical displays. In one example the method and apparatus detects a display migration condition from at least a second physical display to a first physical display. The method and apparatus then controls compositing of a plurality of desktop surfaces so as enable access of each one of the plurality of desktop surfaces on the first physical display. The plurality of desktop surfaces include at least a desktop surface associated with the second physical display. The desktop surface is the content in a piece of memory in a frame buffer which represents all the display content presented on the associated physical display. In one example the plurality of desktop surfaces may be composited into at least one three dimensional display object. The three dimensional display object includes but is not limited to a revolving door object or other three dimensional shape or object (e.g. a cube object).

No. of Pages : 45 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/02/2013

(21) Application No.1711/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : BIOMARKERS AND METHODS OF TREATMENT

(51) International classification :G01N33/574,A61K39/00
(31) Priority Document No :61/378911
(32) Priority Date :31/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/050069
Filing Date :31/08/2011
(87) International Publication No :WO 2012/031027
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**3)YAUCH Robert L.**
**4)ZHA Jiping**

(57) Abstract :
The present invention concerns cancer biomarkers. In particular the invention concerns c met as biomarkers for patient selection and patient prognosis in cancer as well as methods of therapeutic treatment articles of manufacture and methods for making them diagnostic kits methods of detection and methods of advertising related thereto.

No. of Pages : 126 No. of Claims : 78

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1806/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HEAT STORE

(51) International classification :F28D20/00
(31) Priority Document No :1396/10
(32) Priority Date :30/08/2010
(33) Name of priority country :Switzerland
(86) International Application No :PCT/CH2011/000198
Filing Date :30/08/2011
(87) International Publication No :WO 2012/027854
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)PEDRETTI Andrea**

(57) Abstract :
Known high-temperature heat stores for storing heat at a temperature of more than 100°C and having a Container for a heat-storing bulk material, such as gravel/ceramic balls, have a steel wall which is structurally extremely costly to produce for larger heat stores and for storing heat at higher temperatures. According to the invention, the side wall of the heat store is supported in turn by a supporting bulk material and is preferably inclined, such that the side wall is subject to substantially reduced o stress and can be produced rom non-metallic material, such as concrete, for example. This type of heat store can be produced simply and cost-effectively and also permits long-term storage of large amounts of heat at high temperatures.

No. of Pages : 36 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1807/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FILMING AGENT COMPOSITION FOR AGRICULTURAL CHEMICAL

(51) International classification :A01N25/24,A01N25/00,A01N25/30
(31) Priority Document No :2010197726
(32) Priority Date :03/09/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/069864
Filing Date :01/09/2011
(87) International Publication No :WO 2012/029894
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)INOUE Masaki**
**2)KAMEI Masatoshi**

(57) Abstract :
The present invention is a filming agent composition for an agricultural chemical which includes (A) 5 30 wt% of polysaccharide (B) 5 40 wt% of polyoxyalkylene sorbitan fatty acid ester and (C) 5 40 wt% of one or more nonionic surfactants selected from polyoxyalkylene alkyl ether sorbitan fatty acid ester and a silicone surfactant wherein the viscosity of a 5 wt% aqueous solution of (A) at 25°C is 5 000 mPa·s or more and the (A)/[(B)+(C)] weight ratio is 10/90 40/60.

No. of Pages : 53 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1808/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : LOCKING SPACER AND METHOD

(51) International classification :B29D30/24
(31) Priority Document No :61/379455
(32) Priority Date :02/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/050316
Filing Date :02/09/2011
(87) International Publication No :WO 2012/031193
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)HASSELL Stuart J.**

(57) Abstract :
A locking spacer for use with a tire building drum is disclosed. The locking spacer includes an arcuate panel having an outer surface an inner surface opposite first and second curved side surfaces and opposite first and second straight end surfaces. The panel is sized and shaped to span between and extend along the opposing inner surfaces of the segments. A first fastener is disposed along the first side surface and is configured to secure the first side surface to a first of the pair of segments and a second fastener is disposed along the second side surface and is configured to secure the second side surface to a second of the pair of segments. The first and second fasteners limit movement of the first and second side surfaces in relation to the segments along a radial direction of the tire building drum.

No. of Pages : 25 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/12/2012

(21) Application No.11400/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : TURBOCHARGED DOWNSIZED COMPRESSION CYLINDER FOR A SPLIT CYCLE ENGINE

(51) International classification :F02B19/00
(31) Priority Document No :61/386086
(32) Priority Date :24/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/052711
Filing Date :22/09/2011
(87) International Publication No :WO 2012/040431
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)BRANYON David P.**
**2)HOAG Kevin L.**
**3)SCUDERI Salvatore C.**

(57) Abstract :
A split cycle engine includes an expander the expander including an expansion piston received within an expansion cylinder. A compressor includes a compression piston received within a compression cylinder. A crossover passage interconnects the compression and expansion cylinders. An intake manifold is connected to the compression cylinder. A boosting device providing a 1.7 bar absolute or greater boost pressure level is connected to the intake manifold. An intake valve is disposed between the intake manifold and the compression cylinder. The intake valve closing is timed to provide a compressor volumetric efficiency of 0.75 or greater. A compressor displacement volume is sized relative to an expander displacement volume such that the combination of compressor displacement volume and boost pressure level provides an expander volumetric efficiency relative to ambient conditions that is 0.90 or greater.

No. of Pages : 58 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/02/2013

(21) Application No.1714/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SEMICONDUCTOR DEVICE PRODUCTION METHOD AND RINSE

| | |
|---|---|
| (51) International classification | :H01L21/312,C09K3/10,H01L21/304 |
| (31) Priority Document No | :2010203068 |
| (32) Priority Date | :10/09/2010 |
| (33) Name of priority country | :Japan |
| (86) International Application No<br>Filing Date | :PCT/JP2011/070516<br>:08/09/2011 |
| (87) International Publication No | :WO 2012/033172 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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**2)KOHMURA Kazuo**
**3)TANAKA Hirofumi**

(57) Abstract :
The present invention provides a semiconductor device production method and a rinse used in the production method the method comprising the sequential steps of: a sealing composition adding step of adding a semiconductor sealing composition and forming a semiconductor sealing layer on at least one part of a surface of a semiconductor the composition containing a weight average molecular weight of 2000 to 600000 of resin having a cationic functional group and an amount of sodium and potassium being 10 ppb by mass or less at the respective element standard; and a washing step of washing the surface on which the semiconductor sealing layer of the semiconductor substrate is formed in a rinse with a pH of 6 or less at 25 °C.

No. of Pages : 40 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/02/2013

(21) Application No.1715/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : VEHICLE SEAT COVER

(51) International classification :B60N2/58,B60N2/70,B68G7/02
(31) Priority Document No :10 2010 035 845.2
(32) Priority Date :30/08/2010
(33) Name of priority country :Germany
(86) International Application No:PCT/EP2011/002595
Filing Date :25/05/2011
(87) International Publication No :WO 2012/028218
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
The invention relates to a vehicle seat cover with an underlay a cover and an upholstered element which is provided between the cover and the underlay wherein the underlay the cover and/or the upholstered element are connected to one another by means of at least one longitudinal seam and at least one transverse seam. Furthermore the present invention relates to a method for manufacturing a seat cover and to a vehicle seat having the seat cover according to the invention.

No. of Pages : 19 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/02/2013

(21) Application No.1716/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : INFORMATION PROCESSING APPARATUS INFORMATION PROCESSING METHOD AND PROGRAM

(51) International classification :G06F17/30,G10L15/00,H04N7/173
(31) Priority Document No :2010196312
(32) Priority Date :02/09/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/004696
Filing Date :24/08/2011
(87) International Publication No :WO 2012/029252
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**3)ITO Masaki**
**4)MATSUMOTO Toshihiko**
**5)CHIBA Takahiro**

(57) Abstract :
An apparatus for processing content data may include a memory. The apparatus may also include a buffer controller which may be configured to overwrite recorded content data stored in the memory with new content data. The buffer controller may also be configured to receive a command signal indicative of a search request. Additionally the buffer controller may be configured to in response to the command signal stop the overwriting. In addition the apparatus may include a result display unit which may be configured to generate a display signal to cause display of information regarding content represented by at least a portion of the recorded content data.

No. of Pages : 29 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1810/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HIGH SPEED LIQUID CRYSTAL POLARIZATION MODULATOR

(51) International classification :G02F1/1347
(31) Priority Document No :12/858349
(32) Priority Date :17/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/047531
Filing Date :12/08/2011
(87) International Publication No :WO 2012/024174
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)SCHEFFER Terry J.**

(57) Abstract :
A polarization modulator (20) for time multiplexed stereoscopic 3D applications rapidly switches between two polarization states in alternate subframes. The polarization modulator uses two liquid crystal devices (26 28) arranged in optical series and driven (52) such that the second device compensates a change the first device makes to an input polarization state of incident light during alternate subframes. The compensating liquid crystal devices are characterized in that if the same voltage is applied to both of them the second device compensates the change that the first device makes to the input polarization state regardless of the applied voltage level. If the applied voltage is changed from one level to another and the liquid crystal material (34 34) in the liquid crystal devices relaxes to the new voltage level polarization state compensation will take place throughout the duration of the relaxation so that the slow unpowered transition does not manifest itself as a change in polarization state.

No. of Pages : 84 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/02/2013

(21) Application No.1719/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : IMPROVED PROCESS FOR THE PREPARATION OF FEBUXOSTAT

(51) International classification :C07D277/56
(31) Priority Document No :1805/DEL/2010
(32) Priority Date :30/07/2010
(33) Name of priority country :India
(86) International Application No :PCT/IB2011/053171
Filing Date :15/07/2011
(87) International Publication No :WO 2012/014117
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)NATH Asok**
**3)SOKHI Sarbjot Singh**
**4)PRASAD Mohan**

(57) Abstract :
An improved and efficient process for the preparation of 2 [3 cyano 4 (2 methylpropoxy)phenyl] 4 methylthiazole 5 carboxylic acid (febuxostat) that is substantially free from amide by product is provided.

No. of Pages : 17 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1767/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A METHOD AND APPARATUS FOR MEASURING A PROPERTY OF AN EYE OF A SUBJECT

(51) International classification :A61B3/00,A61B3/06
(31) Priority Document No :1013796.6
(32) Priority Date :18/08/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/001226
Filing Date :17/08/2011
(87) International Publication No :WO 2012/022938
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)CARDEN David**

(57) Abstract :
According to a first aspect of the present invention there is provided a method of measuring a property of an eye of a subject using an apparatus which is: arranged to provide a bleaching light a background light ostensibly invisible to rods (e.g. substantially red and/or having or being a wavelength greater than 580nm) and a target light ostensibly visible to rods (e.g. substantially green and/or having or being a wavelength less than 580nm and greater than 400nm e.g. around 514nm +/ 50nm) the background light and/or target light (together) being suitable for rod dominated stimulation the background light and target light being superimposable upon one another and the target light being presentable to the subject such that the target light is incident on a parafoveal region of the subject s retina; the method comprising: a) stimulating the subject s retina with a low level bleach using the bleaching light; b) after the bleach has been undertaken modulating a target light at an initial luminance at which modulation of the target light is not perceivable by the subject whilst a background light remains substantially constant; c) increasing the luminance of the modulated target light; d) receiving an input from the subject when modulation of the target light is perceivable by the subject thus indicating a rod related threshold; e) after said input decreasing the luminance of the modulated target light; and f) repeating parts c) to e) of the method to determine a series of rod related thresholds over a period of time.

No. of Pages : 32 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1768/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HIGH TEMPERATURE FURNACE USE OF A SPINEL CERAMIC AND METHOD FOR CARRYING OUT T(O)C MEASUREMENTS OF SAMPLES

(51) International classification :F27B17/02,G01N33/18
(31) Priority Document No :10174403.5
(32) Priority Date :27/08/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/064698
Filing Date :26/08/2011
(87) International Publication No :WO 2012/025611
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**3)KAWULYCZ Peter**

(57) Abstract :
The invention relates to a high temperature furnace for the T(O)C measurement of a sample comprising a furnace housing which delimits an evaporation chamber and has a sample opening for the drop wise addition of the sample and at least one rinsing opening for introducing a rinsing liquid. According to the invention the furnace housing is lined with a Spinel ceramic on an inside directed towards the evaporation chamber. Because of the Spinel ceramic the evaporation chamber is lined with a material that allows particularly high temperatures within the evaporation chamber and thus as complete a combustion as possible and is also very resistant to temperature changes. This allows the evaporation chamber to be cleaned with a rinsing liquid essentially at the operating temperature and deposited salts in particular recrystallized inorganic salts to be removed from the evaporation chamber either dissolved or undissolved in the rinsing liquid. Aging of the high temperature furnace due to deposited salts can thus be prevented or at least considerably delayed.

No. of Pages : 12 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1815/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SHORT CIRCUITING DEVICE FOR A PHOTOVOLTAIC ARRAY

(51) International classification :H01H9/16,H01H79/00,H01L31/02
(31) Priority Document No :10 56926
(32) Priority Date :01/09/2010
(33) Name of priority country :France
(86) International Application No :PCT/FR2011/052005
Filing Date :01/09/2011
(87) International Publication No :WO 2012/089947
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)SARRUS Franck**
**2)RAMBAUD Thierry**

(57) Abstract :
This short circuiting device (1) is designed to establish and maintain a short circuit across the terminals of a photovoltaic array comprising at least one photovoltaic panel. It comprises a member (24) designed on a given signal to establish and maintain a short circuit between two electrically conductive tracks (20 22) each connected to a terminal of the photovoltaic panels of the photovoltaic array. The short circuiting device (1) furthermore comprises a means for visually indicating that the short circuit has been established and is being maintained the means being mechanically activated by the member (24) designed to establish and maintain the short circuit. The visual indicating means comprises a warning light that is independent of the member (24) designed to establish and maintain the short circuit and that can move under the action of an elastic member between a retracted position in which it indicates that electrical power is being produced by the array and a visible position in which it indicates that a short circuit has been established and is being maintained between the tracks (20 22).

No. of Pages : 17 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2013

(21) Application No.1736/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CENTERING AID FOR IMPLANTABLE SLING

(51) International classification :A61F2/00
(31) Priority Document No :12/869086
(32) Priority Date :26/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/048606
Filing Date :22/08/2011
(87) International Publication No :WO 2012/027268
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)NGUYEN Steven**
**2)ELBERT Katrin**
**3)SMITH Daniel J.**

(57) Abstract :
A surgical implant and method for its use. The surgical implant includes a biocompatible mesh having first and second ends a length greater than a width and a centering device including a solid button like element having opposing first and second surfaces and a peripheral outer edge extending therebetween. The centering device further includes a filamentary element having first and second ends fixedly secured to the peripheral edge of the button like element so as to form a loop therebetween. The filamentary element is woven through the mesh at its longitudinal center in a direction perpendicular to the length of the mesh.

No. of Pages : 20 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1785/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : GLYCODENDRIMERS OF POLYPROPYLETHERIMINE

(51) International classification :C07H5/06,C07H11/00,C08G73/00
(31) Priority Document No :61/344571
(32) Priority Date :24/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/GB2011/051577
Filing Date :22/08/2011
(87) International Publication No :WO 2012/025744
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)IMPERIAL INNOVATIONS LIMITED**
Address of Applicant :52 Princes Gate Exhibition Road London Greater London SW7 2PG U.K.
(72)**Name of Inventor :**
**1)SHAUNAK Sunil**
**2)IAN ALFRED TEO**

(57) Abstract :
A glycodendrimer comprising: a) a non toxic dendrimer polypropyletherimine core supporting on average in the range of 9 to 64 terminal carboxylic acid groups and b) conjungated to said core in the range of 2 to 8 amino sugars or a sulphate amino sugars selected from the group consisting of glucosamine N acetyl glucosamine mannosamine N acetylmannosamine galactosamine a sulphate of any one of the same and a combination thereof wherein each sugar is linked directly through a zero length amide bond with a residue of a terminal carboxylic acid group. The invention also extended to defined populations comprising said glycodendrimer molecules pharmaceutical compositions comprising said molecules or populations process for preparing the molecules and formulations and therapeutic uses of the molecules populations and compositions.

No. of Pages : 112 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1786/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : GLYCODENDRIMERS OF POLYPROPYLETHERIMINE

(51) International classification :C07H5/06,C07H11/00,C08G73/00
(31) Priority Document No :61/344571
(32) Priority Date :24/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/GB2011/051578
Filing Date :22/08/2011
(87) International Publication No :WO 2012/025745
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)IMPERIAL INNOVATIONS LIMITED**
Address of Applicant :52 Princes Gate Exhibition Road London Greater London SW7 2PG U.K.
(72)**Name of Inventor :**
**1)SHAUNAK Sunil**
**2)IAN ALFRED TEO**

(57) Abstract :
Aglycodendrimer comprising: a) a non toxic dendrimer polypropyletherimine core supporting 16 terminal carboxylic acid groups and b) conjungated to said core 2 3 4 or 5 glucosaminemolecules wherein each glucosamineis linked directly through a zero length amide bond with a residue of a terminal carboxylic acid group. The invention also extends to defined populations comprising said glycodendrimer molecules pharmaceutical compositions comprising said molecules or populations process for preparing the molecules and formulations and therapeutic used of the molecules populations and compositions.

No. of Pages : 68 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1787/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : BENZIMIDAZOLE AND AZABENZIMIDAZOLE COMPOUNDS THAT INHIBIT ANAPLASTIC LYMPHOMA KINASE

(51) International classification :C07D235/02
(31) Priority Document No :61/371041
(32) Priority Date :05/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/045703
Filing Date :28/07/2011
(87) International Publication No :WO 2012/018668
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**2)CHENG Alan C.**
**3)CHOQUETTE Deborah**
**4)LEWIS Richard T.**
**5)POTASHMAN Michele H.**
**6)ROMERO Karina**
**7)STELLWAGEN John C.**
**8)WHITTINGTON Douglas A.**

(57) Abstract :
Compounds of Formula (I) are useful inhibitors of anaplastic lymphoma kinase. Compounds of Formula (I) have the following structure: where the definitions of the variables are provided herein.

No. of Pages : 381 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1839/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HEAD RESTRAINT HAVING AN ANTI TURN MECHANISM

(51) International classification :B60N2/48
(31) Priority Document No :10 2010 035 139.3
(32) Priority Date :23/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/057034
Filing Date :03/05/2011
(87) International Publication No :WO 2012/025257
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)JOHNSON CONTROLS GMBH**
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(72)**Name of Inventor :**
**1)STEIN Alexander**

(57) Abstract :
The invention relates to a head restraint assembly for the rotationally secure arrangement of a head restraint (1) on a vehicle seat formed from a backrest and a seat base part the head restraint (1) being arranged on the backrest by means of at least one head restraint rod (2.1 2.2) such that the height thereof can be adjusted. According to the invention a region (6) is formed at an upper end (5) of each head restraint rod (2.1 2.2) wherein in said region the course of the head restraint rods (2.1 2.2) defines a curve having a radius (r) and wherein the head restraint rods (2.1 2.2) are arranged with the curved region (6) in the head restraint (1) in a form fitting manner.

No. of Pages : 15 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/12/2012

(21) Application No.11216/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD AND APPARATUS FOR CARRYING OUT A SWITCHING PROCESS

(51) International classification :H03K17/96
(31) Priority Document No :A 880/2010
(32) Priority Date :31/05/2010
(33) Name of priority country :Austria
(86) International Application No :PCT/AT2011/000241
Filing Date :26/05/2011
(87) International Publication No :WO 2011/150437
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)FASTHUBER Christian**
**2)SCHUSTER Florian**
**3)ORTNER Gerald**
**4)SANDBERGER Michael**

(57) Abstract :
The invention relates to a method and an apparatus for carrying out a switching process with the aid of a control element (13). In order to avoid mechanical components at least one light emitting diode (14) is used as the control element (13) and the voltage (U) across the at least one light emitting diode (14) is measured in the switched off state and the switching process is carried out when the measured voltage (15) falls below a predetermined lower threshold value (18) over a predetermined time period (19).

No. of Pages : 19 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/12/2012

(21) Application No.11217/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : COMBINATION THERAPY FOR SKIN DISORDERS

(51) International classification :A61K31/519,A61K31/35
(31) Priority Document No :61/349240
(32) Priority Date :28/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/031886
Filing Date :11/04/2011
(87) International Publication No :WO 2011/149595
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)NEXGEN DERMATOLOGICS INC.**
Address of Applicant :545 NE 19th Avenue Deerfield Beach FL 33441 U.S.A.
(72)**Name of Inventor :**
**1)FEIN Howard**
**2)BERLIN Mindy B.**

(57) Abstract :
The present invention provides a novel therapeutic combination comprising one or more anti androgen agents and one or more antibiotic/anti inflammatory agents or pharmaceutically acceptable salts or hydrates thereof useful for the treatment of a dermatological disorder.

No. of Pages : 23 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/12/2012

(21) Application No.11218/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : THERAPEUTIC TREATMENT FOR METABOLIC SYNDROME TYPE 2 DIABETES OBESITY OR PREDIABETES

(51) International classification :A61K31/497,A01N43/58
(31) Priority Document No :61/397197
(32) Priority Date :08/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/039215
Filing Date :06/06/2011
(87) International Publication No :WO 2011/156248
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)VEROSCIENCE LLC**
Address of Applicant :1334 Main Road Tiverton RI 02878 U.S.A.
(72)**Name of Inventor :**
**1)CINCOTTA Anthony H.**

(57) Abstract :
The present invention is directed to a method for treating a patient suffering from the metabolic syndrome Type 2 diabetes obesity or prediabetes comprising the step of increasing the ratio of dopaminergic neuronal to noradrenergic and/or serotonin neuronal activity within the central nervous system and particularly the hypothalamus of the central nervous system of the patient.

No. of Pages : 77 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2013

(21) Application No.1739/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MOLDING APPARATUS

(51) International classification :B29C45/17
(31) Priority Document No :61/372891
(32) Priority Date :12/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2011/050489
Filing Date :11/08/2011
(87) International Publication No :WO 2012/019304
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)HUSKY INJECTION MOLDING SYSTEMS LTD.**
Address of Applicant :500 Queen Street South Bolton Ontario L7E 5S5 Canada
(72)**Name of Inventor :**
**1)PAPA Renato**
**2)MCCREADY Derek Robertson**
**3)BRADSHAW Maxfield Paul**

(57) Abstract :
Disclosed herein is amongst other things a molding apparatus that includes a core ring ( 140 340 440 540 640 740) that is configured to seat in use around a core insert ( 120 320 420 620) in a mold stack ( 1 16 216 316 416 516 616 716). The core ring ( 140 340 440 540 640 740) is configured to be received at least in part within a pocket ( 152) that is defined within a split insert ( 150) of the mold stack ( 1 16 216 316 416 516 616 716). The core ring ( 140 340 440 540 640 740) is also configured to define at least a portion of a molding cavity ( 1 19) having a core ring to split insert parting line ( 180) that is within the pocket ( 152) of the split insert ( 150).

No. of Pages : 31 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1840/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DEVICE FOR REMOVABLY FIXING A CURRENT CONDUCTOR TO A CURRENT TRANSFORMER HOUSING

(51) International classification :H01F38/30
(31) Priority Document No :10 2010 038 042.3
(32) Priority Date :07/10/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/067611
Filing Date :07/10/2011
(87) International Publication No :WO 2012/045885
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)PHOENIX CONTACT GMBH & CO. KG**
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(72)**Name of Inventor :**
**1)LEIFER Christoph**
**2)TH–RNER Carsten**

(57) Abstract :
The invention relates to a device for removably fixing a current conductor (1) to a current transformer housing (2) comprising the current transformer housing (2) a retaining element (3) which is led through the current transformer housing (2) a fixing element (4) which is led through the retaining element (3) and a clamping element (5) said fixing element (4) and/or retaining element (3) at least partly sitting against the surface of the current conductor (1) in a fixed state of the current conductor (1) to the current transformer housing (2). The fixing element (4) is rotatable about the fixing element longitudinal axis in a rotary manner in order to fix or remove the current conductor (1) and the clamping element (5) is arranged in a movable manner on the current transformer housing (2) such that the clamping element (5) allows a translational movement of the retaining element (3) along the retaining element longitudinal axis in order to fix or remove the current conductor (1) in a first position and prevents the translational movement of the retaining element (3) along the retaining element longitudinal axis in order to remove the current conductor (1) in a second position. As a result the device according to the invention thus allows a particularly simple and quick fixing of a current conductor (1) to a current transformer housing (2).

No. of Pages : 25 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/12/2012

(21) Application No.10987/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ELEVATOR SYSTEM

(51) International classification :H01J
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2010/004074
Filing Date :18/06/2010
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)YOSHIKAWA Toshifumi**
**2)FURUHASHI Masaya**
**3)FUKATA Hironori**
**4)OKAMURA Kiyoshi**
**5)INOUE Shinsuke**

(57) Abstract :
In order to reliably detect open-door movement at a shorter movement distance (at an earlier point in time) thereby enhancing safety and maintaining operational efficiency an elevator system equipped with an unintended car movement protection which assesses open-door movement and stops the car if the car moves up or down relative to the landing floor with the car doors and/or landing doors being opened and is further provided with: a car door switch (43) that detects when car doors are opened and a landing door switch (41) that detects when landing doors are opened a detection device (21) that detects the velocity and movement distance of the car a position sensor (30) that detects the reference floor position at each storey and a safety controller (1) that determines an open-door movement abnormality on the basis of the results detected by the detection device (21) and the position sensor (30) ..

No. of Pages : 48 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2013

(21) Application No.1741/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : EXHAUST GAS RECIRCULATING VALVE FOR AN INTERNAL COMBUSTION ENGINE

(51) International classification :F02M25/07,F01L3/08
(31) Priority Document No :10 2010 035 622.0
(32) Priority Date :26/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/063353
Filing Date :03/08/2011
(87) International Publication No :WO 2012/025351
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)VITT Stefan**
**2)SARI Osman**
**3)DIETZ Gerard**

(57) Abstract :
Exhaust gas recirculating valves for internal combustion engines are known said valves comprise a housing (2) with an exhaust gas inlet (4) and an exhaust gas outlet (6) a valve closing body (10) a valve rod (12) on which the valve closing body (10) is fixed and which can be moved by an actuator a valve seat (8) between the exhaust gas inlet (4) and the exhaust gas outlet (6) wherein the valve closing body (10) can be lowered onto said valve seat by moving the valve rod (12) and the valve closing body (10) can be raised from said valve seat by an opposing movement a guide bushing (14) via which the valve rod (12) is guided in the housing (2) and a sealing ring (18) which lies on the guide bushing (12) end opposite the valve closing body (10). However jamming or loss of sealing tightness of the valve are frequent problems. The invention therefore proposes forming a peripheral gap (32) between the valve rod (12) and the guide bushing (14) in a first section (30) of the guide bushing (14) said section pointing towards the sealing ring (18). The mechanical load of the sealing ring (18) is thereby reduced and the guiding sections are shortened.

No. of Pages : 14 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1790/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CHARGING PORT

(51) International classification :G06F1/26,G06F13/14
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2010/047760
Filing Date :02/09/2010
(87) International Publication No :WO 2012/030348
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)JEANSONNE Jeffrey**
**2)SAWYERS Thomas**
**3)FRY Walter**
**4)LAKDAWALA Rahul**

(57) Abstract :
A computing system including a port to provide power to a portable device. The power state of the computing system is determined and the type of charging port to provide can be based on the power state of the computing system.

No. of Pages : 23 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1791/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : VENTILATION UNIT CALIBRATION APPARATUS SYSTEM AND METHOD

(51) International classification :F24F7/10,F24F7/06,E04F17/04
(31) Priority Document No :12/873069
(32) Priority Date :31/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/050021
Filing Date :31/08/2011
(87) International Publication No :WO 2012/030997
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)SINUR Richard R.**
**2)JOHNSON Steven A.**
**3)WELLNITZ Brian R.**
**4)ZAKULA Mirko**

(57) Abstract :
A ventilation unit for installation in a ventilation system. The ventilation unit can include a motor coupled to a fan element and a power source. The ventilation unit can also include a calibration module having one of a voltage and current regulator for adjusting the performance of the ventilation unit based on at least one characteristic of the ventilation system.

No. of Pages : 32 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1843/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PESTICIDAL COMPOSITIONS

(51) International classification :A01N43/78,A61K31/425
(31) Priority Document No :61/378528
(32) Priority Date :31/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/049475
Filing Date :29/08/2011
(87) International Publication No :WO 2012/030681
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)YAP Maurice C. H.**
**3)ECKELBARGER Joseph D.**
**4)BUYSSE Ann M.**
**5)BABCOCK Jonathan M.**
**6)HUNTER Ricky**
**7)ADELFINSKAYA Yelena**
**8)SAMARITONI Jack Geno**
**9)GARIZI Negar**
**10)TRULLINGER Tony K.**

(57) Abstract :
Molecules according to Formula One and their uses are disclosed herein.

No. of Pages : 133 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2013

(21) Application No.1747/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : OUTPUT CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINE

(51) International classification :B60W10/06,B60K6/46,B60L3/00
(31) Priority Document No :2010210968
(32) Priority Date :21/09/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/068616
Filing Date :17/08/2011
(87) International Publication No :WO 2012/039215
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)IINO Hayato**

(57) Abstract :
An engine output determination value () corresponding to a boundary at which the operating state of an internal combustion engine (3) shifts from a stoichiometric operation to an enriched operation is set and the output of the internal combustion engine (3) is limited to the engine output determination value () according to an SOC value detected by a driving battery (5). Consequently in an output control device for an internal combustion engine which controls the output of the internal combustion engine (3) when a power generator (4) generates electric power the chances of operating the internal combustion engine (3) in an enriched region can be reduced to thereby improve the operation efficiency and the fuel efficiency performance and prevent the deterioration of exhaust gas.

No. of Pages : 31 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1794/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A MEDICAL IMPLEMENT INSERTION DEVICE

(51) International classification :A61M5/32,A61M25/06
(31) Priority Document No :2010903644
(32) Priority Date :13/08/2010
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2011/000968
Filing Date :01/08/2011
(87) International Publication No :WO 2012/019217
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)KIEHNE Bruce Leigh**

(57) Abstract :
An insertion device (10) for the introduction of a medical implement the insertion device including a hollow body (12) a needle holder mounting portion (16) a needle holder (18) a needle (20) adapted for a medical implement to be mounted therewith relative to the needle (20) biasing means to bias the needle (20) and the needle holder (18) into the hollow body (12) and a retaining mechanism (26) adapted to at least temporarily retain the needle (20) and the needle holder (18) in a forward condition in which the needle (20) extends forward of the hollow body (12) against the biasing force of the biasing means. The retaining mechanism (12) of the insertion device (10) retains the needle (20) and the needle holder (18) in the forward condition until the medical implement is disassociated from the retaining mechanism (26) and unless the retaining mechanism (26) is operated independently to retain the needle holder (18) and the needle (20) in the forward condition.

No. of Pages : 28 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1795/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : WELL INTERVENTION

(51) International classification :E21B19/22,E21B33/035,E21B33/076
(31) Priority Document No :1014035.8
(32) Priority Date :20/08/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/051580
Filing Date :22/08/2011
(87) International Publication No :WO 2012/022987
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)SORENSEN Bjorn Bro**
**2)LANGETEIG Bjarne**
**3)ALVAERN Jostein**

(57) Abstract :
There is disclosed a method of well intervention in a subsea well having a wellhead on the sea floor in which an intervention hose extends downwardly through the sea from a hose drum installed on a vessel on the sea surface into the well through a subsea intervention stack installed on the wellhead at the sea floor and in which the intervention hose is exposed directly to the ambient sea between the vessel and the top of the subsea intervention stack. Also disclosed is a method of well intervention in which an intervention hose extends from a hose drum and into a well wherein the hose is driven out of the well without the use of an injector by pulling the hose out of the well with the hose drum. There is also disclosed a method of well intervention in which an intervention hose extends from a hose drum towards a wellhead comprising guiding the hose from the drum towards the wellhead wherein the hose is guided into a downward direction towards the wellhead by a guiding sheave.

No. of Pages : 21 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1845/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SULFONE REMOVAL FROM AN OXIDIZED HYDROCARBON FUEL

(51) International classification :C10G67/10,C10G19/02,C07C7/10
(31) Priority Document No :12/872055
(32) Priority Date :31/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/049821
Filing Date :31/08/2011
(87) International Publication No :WO 2012/030880
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)ZHANG Tiejun**
**2)ANAND Nachiketa**
**3)HOOVER Theodore Sidney**

(57) Abstract :
A one step process for desulfurizing an oxidized sulfone containing fuel stream such as a diesel stream is disclosed where mass transfer and conversion of sulfone occurs simultaneously such that the sulfur atom in sulfone molecule is removed as sulfite to provide a low sulfur diesel stream. The diesel stream for treatment is obtained as a result of the oxidation of a thiophene rich diesel stream with an oxidant to provide a sulfone containing diesel stream. The one step process uses a single vessel having a shroud of vertical hanging fibers to affect the mass transfer of sulfones in diesel into contacting with an aqueous solution of alkali metal hydroxide where it is converted to sulfite and biphenyls. The sulfite rich aqueous solution and low sulfur diesel are then separately removed from the vessel.

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/11/2012

(21) Application No.10046/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CAPSULE SYSTEM AND METHOD FOR PREPARING A BEVERAGE BY CENTRIFUGATION

(51) International classification :B65D85/804,A47J31/22
(31) Priority Document No :10162741.2
(32) Priority Date :12/05/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/057657
Filing Date :12/05/2011
(87) International Publication No :WO 2011/141532
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)PERENTES Alexandre**
**3)KAESER Stefan**
**4)MAGRI Carlo**
**5)GERBAULET Arnaud**
**6)KAESER Thomas**
**7)ABEGGLEN Daniel**

(57) Abstract :
Capsule for the preparation of a beverage comprising a container and a beverage ingredient contained therein wherein the container comprises a code (65) adapted for being identified or read by external reading means (62) wherein the code is arranged on the container to be read while the capsule is rotated around an axis of rotation traversing the capsule.

No. of Pages : 18 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/11/2012

(21) Application No.10047/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PROGRAMMING CONNECTOR FOR BEVERAGE CAPSULES

(51) International classification :A47J31/40
(31) Priority Document No :10167910.8
(32) Priority Date :30/06/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/061010
Filing Date :30/06/2011
(87) International Publication No :WO 2012/001106
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)VUAGNIAUX Didier**
**3)KOLLEP Alexandre**
**4)GERBER Gilles**

(57) Abstract :
The present invention proposes a kit comprising: at least a capsule(10) for insertion in a beverage production machine and containing beverage ingredients the capsule having a cup like base body (10b) comprising an outlet face (10c) and one or more beverage production parameter programming connector(s) (1) comprising an identification member (2) placedon a first side (1a) of the connector designed for representing individual information as to beverage production parameters upon mechanical contact by sensing means (8 18) of a beverage production machine (100) said side being opposite to the second connector side (1b) designed for connection to the outlet face (10c) of the capsule wherein either the capsule(s) (10) or the connector(s) (1)or the both is provided with means for mechanically associating the connector(1) to the capsule (10) by the consumer preferably without using tools.

No. of Pages : 26 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/11/2012

(21) Application No.10048/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ASPARAGINASE FROM BASIDIOMYCETES

(51) International classification :C07K14/37,C07K14/00
(31) Priority Document No :10 169 405.7
(32) Priority Date :14/07/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/055375
Filing Date :06/04/2011
(87) International Publication No :WO 2012/007192
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)RABE Swen**
**3)BERGER Ralf G¼nter**
**4)LINKE Diana**
**5)EISELE Nadine**

(57) Abstract :
An asparaginase enzyme derived from the fungi Basidiomycete in particular the Basidiomycete is Flammulina velutipes. A method for hydrolysing at least one of L asparagine or L glutamine. A method for reducing acrylamide formation in a substance comprising L asparagine is also described.

No. of Pages : 37 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2013

(21) Application No.1748/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD AND ARRANGEMENT FOR PROCESSING DATA

(51) International classification :G06N99/00,G06F12/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/SE2010/051045
Filing Date :29/09/2010
(87) International Publication No :WO 2012/044214
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)SUNDL–F Carl Fredrik**
**3)MORITZ Simon**

(57) Abstract :
A method and arrangement for processing data when training a data model involving multiple iterations of data records in a dataset (400c 606) stored in a database (400 600). Memory space (400d 608) is allocated in the database for maintaining the data model during the training operation. The data records in the dataset are read (4:3) directly from the database for each iteration and the data model is trained (4:4) inside the database by repeatedly applying the read data records in the training operation and updating (4:5) the data model. It is also checked (4:6) whether the updated data model has converged according to a predefined convergence condition. The data model is eventually saved (4:7) once the data model has converged.

No. of Pages : 30 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/03/2013

(21) Application No.1855/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SANITARY HYGIENE DEVICE FOR ORAL CAVITY CARE COMBINED WITH A BLADE

(51) International classification :A46B11/02,A46B15/00,B26B21/00
(31) Priority Document No :2010136001
(32) Priority Date :27/08/2010
(33) Name of priority country :Russia
(86) International Application No :PCT/RU2011/000324
Filing Date :11/05/2011
(87) International Publication No :WO 2012/026847
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)SINITSYN Vitaly Viktorovich**

(57) Abstract :
What is claimed is: a sanitary hygiene device for oral cavity care, combined with a blade, said device relating to personal use products and serving to meet the sanitary hygiene requirements of consumers. The device, in the same way as the known devices, comprises a toothbrush comprising a head with bristles thereon, at least one opening in the head through which the bristles are fed, a container with paste, said container being arranged in the upper part of a handle and being in communication with the head, and a control element with an operating button. Said device differs from the known devices in that the lower part of the handle comprises a blade which is mounted on guides with a swivel hinge which has the possibility of fixing the blade in an end position. One or two cavities in the form of containers for a foam/gel for the blade and a liquid soap which are formed with metering means and openings for discharging said foam/gel and liquid soap is/are arranged in the lower part of the handle. The head can be designed to be removable or to have a neck for breaking off the head. A cavity in which the removable head of the toothbrush can be arranged can be provided in the body of the handle. The handle can be produced with a detachable connection formed between the cavities in the handle, namely the cavity with the toothpaste and the cavity or two cavities with the foam/gel for the blade and with the soap. A cavity in which the fold-away parts are arranged, namely the part with the blade and the part with the toothbrush, can be formed in the body of the handle.

No. of Pages : 9 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/02/2013

(21) Application No.1703/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CABLE STRAIN RELIEF

(51) International classification :H01R13/512,H01R13/58
(31) Priority Document No :10 2010 037 193.9
(32) Priority Date :27/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/064676
Filing Date :25/08/2011
(87) International Publication No :WO 2012/025605
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)GIEFERS Stefan**

(57) Abstract :
The invention relates to a cable strain relief for a cable. The cable strain relief comprises a strain relief element (20) and a retaining element (10). The retaining element (10) is intended to be connected to a mating piece (40). The strain relief element (20) and the retaining element (10) are designed such that said elements form a unit (1). The invention further relates to a connector set and a feedthrough set which comprises an aforementioned cable strain relief (10 20) and a mating piece (40). The mating piece (40) is intended to be connected to the retaining element (10) of the cable strain relief (10 20) wherein the mating piece can be pushed onto a cable.

No. of Pages : 15 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2013

(21) Application No.1753/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : TREATMENT OF FUNGAL INFECTIONS

(51) International classification :A61K31/19,A61P17/00,A61P31/10
(31) Priority Document No :10177275.4
(32) Priority Date :17/09/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/SE2011/051101
Filing Date :12/09/2011
(87) International Publication No :WO 2012/036616
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
The present disclosure relates to compositions comprising formic acid as an active ingredient and a softening agent or emollient for use in the treatment of fungal infections of the skin and/or nail(s) of mammals as well as methods for treatment utilizing such compositions.

No. of Pages : 19 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2013

(21) Application No.1754/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DEVICE FOR CARRYING OUT TRACK CONSTRUCTION WORKS

(51) International classification :E01B29/00
(31) Priority Document No :10009623.9
(32) Priority Date :15/09/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/004620
Filing Date :14/09/2011
(87) International Publication No :WO 2012/034694
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)KNAPE Steffen**

(57) Abstract :
The invention relates to the track bound carrying out of works on a or for a railway track such as earthworks rail works overhead wiring and signaling works sleeper laying sleeper replacement and the like the devices (7 12) for carrying out the works forming a transport unit (15) or being accommodated in a transport unit (15) and the transport unit being detachably fastenable to a track vehicle (1) especially a railroad car.

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1801/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FULL AUTOMATIC GRAVURE PLATE MAKING PROCESSING SYSTEM

(51) International classification :B41C1/18,B41N1/10
(31) Priority Document No :2010223936
(32) Priority Date :01/10/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/071962
Filing Date :27/09/2011
(87) International Publication No :WO 2012/043515
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)SHIGETA Tatsuo**

(57) Abstract :
Provided is a full automatic gravure plate making processing system wherein a gravure plate making roll can be produced more rapidly than prior arts space saving is possible an unmanned operation is possible even during nighttime and the amount of dust generated between steps can be reduced. A system comprises a first industrial robot which chucks and handles a plate making roll to be processed and a second industrial robot which chucks and handles a plate making roll to be processed. In the handling area of the first industrial robot processing devices such as a roll stock device a photosensitive film coating device a laser exposure device an ultrasonic cleaning device with a drying function a stone grinding device and a paper polishing device are arranged. In the handling area of the second industrial robot processing devices such as a degreasing device a copper plating device a developing device a corrosion device a resist stripping device a surface hardened film forming device and an ultrasonic cleaning device are arranged. Thereby a plate making process is performed.

No. of Pages : 35 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/03/2013

(21) Application No.1856/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A PROCESS FOR HYDROGENATION OF OLEFINIC OR ACETYLENIC BONDS

(51) International classification :B01J23/58
(31) Priority Document No :218/DEL/2012
(32) Priority Date :25/01/2012
(33) Name of priority country :India
(86) International Application No :PCT/IB2013/000076
Filing Date :24/01/2013
(87) International Publication No :WO 2013/110995
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)DONGARE Mohan Keraba**
**3)ACHAM Vaibhav Ravindrakumar**

(57) Abstract :
The present invention relates to a process for hydrogenation of olefinic or acetylenic bonds. Further the present invention relates to a process for selective hydrogenation of olefinic or acetylenic bonds and/including triglycerides using modified metal supported on solid acidic metal oxide catalyst and the process for the preparation thereof. The present invention provides a process for hydrogenation of olefinic or acetylenic bonds using metal supported on solid acid metal oxide based catalyst at moderate conditions. The present invention also relates to the preparation of metal supported on solid acid metal oxide based catalyst for hydrogenation reactions under mild conditions.

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/02/2013

(21) Application No.1708/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CO USE OF ENDOLUMINAL DATA AND EXTRALUMINAL IMAGING

(51) International classification :G06K9/00
(31) Priority Document No :61/344464
(32) Priority Date :29/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IL2011/000612
Filing Date :28/07/2011
(87) International Publication No :WO 2012/014212
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**4)BARZELAY Zohar**
**5)STEINBERG Alexander**
**6)PHILIPP Sagiv**

(57) Abstract :
Apparatus and methods are provided for use with an endoluminal data acquisition device (31) that acquires a set of endoluminal data points of a lumen of a subject s body at respective locations inside the lumen a second endoluminal device and a display configured to display images. At least one processor includes location association functionality that associates a given data point acquired by the endoluminal data acquisition device with a given location within the lumen. Location determination functionality determines by means of image processing in an extraluminal image of the second endoluminal device a current location of at least a portion of the second endoluminal device. Display driving functionality drives the display to display an indication of the endoluminal data point associated with the location in response to determining that the portion of the second device is currently at the location. Other applications are also described.

No. of Pages : 137 No. of Claims : 121

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/02/2013

(21) Application No.1709/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR EXTRACTING ORGANIC COMPOUNDS FROM AQUEOUS MIXTURES

(51) International classification :B01D11/04
(31) Priority Document No :61/376220
(32) Priority Date :23/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/048646
Filing Date :22/08/2011
(87) International Publication No :WO 2012/027279
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**3)ROBERGE Christopher**

(57) Abstract :
The invention provides a method to extract organic compounds from aqueous mixtures using a specially selected organic compound as an extraction liquid. The method can be applied to remove compounds such as acetic acid or ethanol from complex aqueous mixtures including fermentation reactions or broths and can be used for in situ extraction of products or by products from a fermentation reaction. Some suitable extraction liquids for use in these methods include diethylene glycol dibutyl ether tripropionin and di(ethylene glycol) diisobutyl ether.

No. of Pages : 41 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2013

(21) Application No.1758/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PROCESSES FOR PRODUCING 1 BROMO 2 (CYCLOPROPYL METHOXY) 5 FLUORO 4 METHOXYBENZENE

(51) International classification :C07C41/09
(31) Priority Document No :61/377267
(32) Priority Date :26/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/047521
Filing Date :12/08/2011
(87) International Publication No :WO 2012/027134
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)GIARD Thierry J.**
**2)MUTTERER Vincent L.**
**3)DURVAUX Christophe**

(57) Abstract :
This invention provides new processes for the preparation of 1 bromo 2 (cyclopropyl methoxy) 5 fluoro 4 methoxybenzene and for the preparation of an intermediate 4 f!uoro 3 methoxyphenol.

No. of Pages : 11 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/03/2013

(21) Application No.1860/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : POSITION ESTIMATING APPARATUS POSITION ESTIMATING METHOD AND COMPUTER PROGRAM PRODUCT

(51) International classification :G01S5/02,G01C21/28,G01S5/14
(31) Priority Document No :2010202198
(32) Priority Date :09/09/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/004687
Filing Date :24/08/2011
(87) International Publication No :WO 2012/032725
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)SHIONOZAKI Atsushi**

(57) Abstract :
An apparatus method and computer program storage device cooperate to provide a quality position estimation of a mobile communication device by determining a reference area. The reference area includes the position of the mobile communication device as well as a plurality of transmitters. Transmitters that are detected as being outside of the reference area are excluded from contributing to the position estimate. The reference area is centered at a standard position which may be a previous position or a GPS based position for example. The range of the reference area includes a component that considers the range of a transmitter as well as a GPS error or an estimated move distance of the mobile communication device.

No. of Pages : 47 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/03/2013

(21) Application No.1861/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MECHANICAL DEVICE WITH VARIABLE LENGTH LEVER ARM

(51) International classification :B62M3/04,F16H21/18
(31) Priority Document No :1056960
(32) Priority Date :02/09/2010
(33) Name of priority country :France
(86) International Application No :PCT/FR2011/052020
Filing Date :02/09/2011
(87) International Publication No :WO 2012/028832
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)MAGNARD Patrice**

(57) Abstract :
The invention relates to a mechanism (1 0) which comprises at least one fulcrum element (12) connected to at least one force transmission rod (14) by a connecting member (15), the mechanism converting a reciprocating rectilinear movement into a rotational movement of said at least one fulcrum element, the rotation of said at least one fulcrum element causing said at least one force transmission rod to rotate, characterized in that the connecting member 10 comprises a part, known as a lever arm (16), situated between said at least one fulcrum element (12) and said at least one force transmission rod (14) and which has a length that varies during the relative movement of said at least one fulcrum element with respect to said at least one transmission rod.

No. of Pages : 49 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/12/2012

(21) Application No.11387/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A PROCESS FOR THE PRODUCTION OF CARNITINE

(51) International classification :C07C227/32,C07C229/22,C07D305/12
(31) Priority Document No :10007567.0
(32) Priority Date :21/07/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/003620
Filing Date :20/07/2011
(87) International Publication No :WO 2012/010296
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)HANSELMANN Paul**
**2)KLEGRAF Ellen**
**3)ELZNER Stefan**
**4)QUITTMANN Wilhelm**
**5)FISCHER Daniel Friedrich**

(57) Abstract :
The invention relates to a method for the production of L carnitine wherein a chiral lactone carnitine precursor is obtained by a [2+2] cycloaddition of ketene with an aldehyde X CH CHO wherein X is selected from CI Br I and trimethylamine in the presence of a chiral catalyst.

No. of Pages : 36 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/12/2012

(21) Application No.11389/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SIDE FRAME AND BOLSTER FOR A RAILWAY TRUCK AND METHOD FOR MANUFACTURING SAME

(51) International classification :B22C9/02,B22C9/10,B61F1/00
(31) Priority Document No :13/109843
(32) Priority Date :17/05/2011
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2012/037905
Filing Date :15/05/2012
(87) International Publication No :WO 2012/158677
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)GOTLUND Erik**
**2)WERNER Maureen**
**3)MAKARY Vaughn**

(57) Abstract :
A method of manufacturing a side frame mold for casting a side frame of a railway car truck includes forming a drag and a cope portion of a mold from a casting material to define an exterior surface of a drag portion and cope portion respectively of the side frame. The mold includes a portion for casting the pedestal jaw of the side frame. The drag and the cope portions are then cured.

No. of Pages : 43 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1769/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CONVEYOR UNIT AND CONVEYOR SYSTEM FOR CONVEYING VEHICLE BODIES AND PLANT FOR MACHINING VEHICLE BODIES

(51) International classification :B62D65/18
(31) Priority Document No :10 2010 045 010.3
(32) Priority Date :10/09/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/004179
Filing Date :19/08/2011
(87) International Publication No :WO 2012/031680
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)ROBBIN Jrg**

(57) Abstract :
The invention relates to a conveyor unit (44) which can be displaced for conveying vehicle bodies and which comprises a bogie assembly (48) and a coupling device (64 66 68) which is connected to said bogie assembly (48) and which is configured such that it interacts with the base areas of the vehicle body (4) which are upwardly orientated to the roof. The invention also relates to a conveyor system (42) comprising at least one conveyor unit (44) of said type and a plant (2) for machining vehicle bodies (4). Vehicle bodies (4) are conveyed by means of a conveyor system (6) between and/or in machining stations (8 72) said plant (2) also comprising said type of conveyor system (6).

No. of Pages : 35 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1770/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DEVICE FOR TRANSPORTING VEHICLE BODIES

(51) International classification :B62D65/18
(31) Priority Document No :10 2010 045 013.8
(32) Priority Date :10/09/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/004178
Filing Date :19/08/2011
(87) International Publication No :WO 2012/031679
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)DEMCZAK Thomas**

(57) Abstract :
The invention relates to a device for transporting vehicle bodies on which standardised holding components are provided. A guide device (6 8) is provided for at least one continuous drive train (10) which comprises a driving side (42) and a slack side (44) and comprises a first return element element (46) and at least one second return element (48) around which the at least one continuous drive train (10) circulates (10). The at least one continuous drive train (10) supports a plurality of coupling elements (58) which are arranged and aligned in such a manner that they can work together with the standardised holding components provided on the vehicle body (4).

No. of Pages : 43 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1821/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : VEGF BINDING MOLECULES

(51) International classification :C07K16/22
(31) Priority Document No :10175318.4
(32) Priority Date :03/09/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/065199
Filing Date :02/09/2011
(87) International Publication No :WO 2012/028716
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**4)DE TAVERNIER Evelyn**
**5)KOLKMAN Joost**
**6)MERCHIERS Pascal**

(57) Abstract :
VEGF binding molecules preferably VEGF binding immunoglobulin single variable domains like VHHs anddomain antibodies pharmaceutical compositions containing same and their use in the treatment of diseases that are associated with VEGF mediated effects on angiogenesis.Nucleic acids encoding VEGF binding molecules host cells and methods for preparing same.

No. of Pages : 291 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/03/2013

(21) Application No.1879/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SELECTIVE CONTROL OF FLOW THROUGH A WELL SCREEN

(51) International classification :E21B43/08,E21B43/12
(31) Priority Document No :12/887375
(32) Priority Date :21/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/050750
Filing Date :08/09/2011
(87) International Publication No :WO 2012/039941
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)LOPEZ Jean Marc**

(57) Abstract :
A method of selectively controlling flow through a well screen can include installing the well screen in a wellbore and then exposing the well screen to an aqueous fluid thereby permitting flow through the well screen. A well screen assembly can include a well screen and an acid containing structure which dissolves in response to contact with an aqueous fluid whereby flow through the well screen is selectively permitted.

No. of Pages : 23 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1827/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : INTERACTIVE LEARNING METHOD APPARATUS AND SYSTEM

(51) International classification :G09B5/00
(31) Priority Document No :61/375795
(32) Priority Date :20/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/062441
Filing Date :29/12/2010
(87) International Publication No :WO 2012/023956
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)WOOD Michael**
**2)ANNUNZIATA Edward E.**
**3)CALLAHAN Maria**

(57) Abstract :
A computer implemented method of interactive learning a system and a computer readable medium therefor are disclosed. The computer include a processor a memory a storage device a display device for displaying information to a user an audio device for communicating audio information to the user and an input device for receiving information and commands from the user. The computer provides an interactive learning environment. The method includes presenting a structured curriculum to a user via the display device. The structured curriculum includes a linear progression of educational topics divided into a plurality of levels. Each of the plurality of levels represents a specific topic of educational content. Each of the plurality of levels is further divided into the plurality of lessons. The method also includes presenting a lesson to the user via the display device in a current mode selected from a plurality of modes. Each of the plurality of lessons represents a sub portion of the specific topic of the educational content and each of the plurality of modes includes specific challenges to accomplish. The method further includes receiving feedback from the user via the input device in an interactive manner until a challenge associated with the current mode is accomplished and advancing to a subsequent mode when the challenge of the current mode is accomplished by the user.

No. of Pages : 125 No. of Claims : 61

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/03/2013

(21) Application No.1881/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD AND DEVICE FOR CONTROLLING AN INTERNAL COMBUSTION ENGINE

(51) International classification :F02N11/08,F02N99/00,B60W10/06
(31) Priority Document No :10 2010 040 559.0
(32) Priority Date :10/09/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/062922
Filing Date :27/07/2011
(87) International Publication No :WO 2012/031826
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)WEISS Ruediger**
**3)RAI Karthik**
**4)DIETRICH Manfred**
**5)CALVA Elias**

(57) Abstract :
The invention relates to a method for stopping an internal combustion engine, wherein an amount of air which is supplied via an air metering device of the internal t combustion engine, in particular a throttle flap (100), is reduced after a stopping order has I been detected. According to the invention, the amount of air which is supplied via the air B | metering device of the internal combustion engine is again increased when the detected speed (n) of the internal combustion engine falls below a predefinable speed threshold value (ns), ] wherein an intake cylinder (ZYL2) to which the amount of air is supplied does not enter any working cycle after the amount of supplied air has been increased.

No. of Pages : 27 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/03/2013

(21) Application No.1882/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : POLYIMIDE POLYPHENYLSULFONE BLENDS WITH IMPROVED FLAME RESISTANCE

(51) International classification :C08L79/08,C08L71/00,C08L81/06
(31) Priority Document No :12/908700
(32) Priority Date :20/10/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/056876
Filing Date :19/10/2011
(87) International Publication No :WO 2012/054595
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)SANNER Mark**
**2)GALLUCCI Robert Russell**
**3)SINGH Rajendra K.**

(57) Abstract :
The present disclosure relates to a composition with improved flame resistance to articles made from the composition and to methods that include processing the composition. The composition can include from 15 to 85 percent by weight of a polyetherimide (PEI) from 15 to 85 percent by weight of a polyphenylsulfone (PPSU) a polyetherimide siloxane copolymer in an amount up to 12 percent by weight and from 0 to 0.30 percent by weight of a stabilizer.

No. of Pages : 28 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/03/2013

(21) Application No.1883/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHODS AND COMPOSITIONS FOR PREVENTING A CONDITION

(51) International classification :A61K31/713,A61K39/00,A61P25/00
(31) Priority Document No :61/371923
(32) Priority Date :09/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/047150
Filing Date :09/08/2011
(87) International Publication No :WO 2012/021558
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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(57) Abstract :
Provided herein are methods compositions and kits for preventing inhibiting reducing the severity of or treating a disease or condition. A pharmaceutical composition provided herein can comprise a nucleic acid sequence encoding an antigen fused to an immune cell product e.g. MIP 3a and an adjuvant. The antigen can be from a bacteria virus fungus parasite or cancer. The antigen can be an Alzheimer s disease antigen.

No. of Pages : 116 No. of Claims : 98

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1780/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ANTI CXCL13 ANTIBODIES AND METHODS OF USING THE SAME

(51) International classification :C07K16/24
(31) Priority Document No :61/379672
(32) Priority Date :02/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/050177
Filing Date :01/09/2011
(87) International Publication No :WO 2012/031099
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)PARIS Mark**
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(57) Abstract :
Compositions and methods are provided for treating diseases associated with CXCL13 expression including certain autoimmune diseases inflammatory diseases and cancers. In particular anti CXCL13 monoclonal antibodies have been developed to neutralize CXCL13.

No. of Pages : 167 No. of Claims : 158

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1781/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A METHOD FOR MAKING AN ENRICHED LIBRARY

(51) International classification :C12N15/10
(31) Priority Document No :10180435.9
(32) Priority Date :27/09/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/065117
Filing Date :01/09/2011
(87) International Publication No :WO 2012/041633
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**5)PETERSEN Lars Kolster**
**6)RASMUSSEN DIETVORST Judith**
**7)BLAKSKJ†R Peter**
**8)HANSEN Tara Heitner**
**9)HOLMKVIST Johan**

(57) Abstract :
A method for making an enriched library comprising specific nucleic acid sequence information allowing to identifying at least one binding entity that binds to at least one target wherein the specific binding entity has been present in an in vitro display library.

No. of Pages : 130 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1833/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : RECLOSING CAN FOR FOOD PRODUCT

(51) International classification :B65D17/32
(31) Priority Document No :10174888.7
(32) Priority Date :01/09/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/065143
Filing Date :01/09/2011
(87) International Publication No :WO 2012/028694
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)VANDERSTRAETEN Erwin**

(57) Abstract :
A can end (2) is described for a metal beverage can optionally for carbonated drinks the can end including a cap top (3) arranged in connection to a pull tab (4) configured to remove the cap top along a pre defined groove (9) to thereby create a drinking or pouring aperture; an elastic resilient element (10) attached to the can end; and a resiliently operated shut off valve (6) that is part of or is connected to the elastic resilient element (10) and that is configured to seal the drinking or pouring aperture after drinking or pouring; wherein the cap top (3) is configured to remain located after the removal on top of the shut off valve (6). Further a can including such a can end and a method for opening and reclosing such a can are described as well as a method for producing such a can.

No. of Pages : 76 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1834/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DEVICE FOR TREATING SOOT PARTICLE CONTAINING EXHAUST GASES

(51) International classification :F01N3/01,F01N3/08
(31) Priority Document No :10 2010 045 508.3
(32) Priority Date :15/09/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/065886
Filing Date :13/09/2011
(87) International Publication No :WO 2012/035035
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)BRCK Rolf**
**2)HODGSON Jan**
**3)VORSMANN Christian**

(57) Abstract :
The invention relates to a device (1) for treating soot particle (2) containing exhaust gases comprising at least one ionization element (3) for ionizing soot particles (2) at least one filter element (4) an electric potential being applicable to at least one section of the filter element (4) and at least one flow guiding device (8). Said flow guiding device may influence a flow of the exhaust gases in such a way that the soot particles (2) can be prevented from being deposited on at least one electric insulation (9.1 9.2) of the ionization element (3) or of the filter element (4) or can be removed therefrom. The invention effectively prevents soot particles (2) from being deposited on an electric insulation (9.1 9.2) of exhaust gas cleaning components thereby preventing short circuits from being produced. In this way the exhaust gas systems can be safely operated.

No. of Pages : 18 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1835/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DROUGHT TOLERANT PLANTS AND RELATED CONSTRUCTS AND METHODS INVOLVING GENES ENCODING DTP6 POLYPEPTIDES

(51) International classification :C12N15/82,A01H5/10,C12Q1/68
(31) Priority Document No :61/407612
(32) Priority Date :28/10/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/058273
Filing Date :28/10/2011
(87) International Publication No :WO 2012/058528
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**3)LI Xiao Yi**
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**3)DESHMUKH Krupa**
**4)LAFITTE Honor Renee**
**5)LU Cheng**
**6)LUCK Stanley**
**7)MULLEN Jeffrey**
**8)SAKAI Hajime**
**9)SAYLOR James J.**
**10)TINGEY Scott V.**
**11)WILLIAMS Robert Wayne**

(57) Abstract :
Isolated polynucleotides and polypeptides and recombinant DNA constructs useful for conferring drought tolerance compositions (such as plants or seeds) comprising these recombinant DNA constructs and methods utilizing these recombinant DNA constructs. The recombinant DNA construct comprises a polynucleotide operably linked to a promoter that is functional in a plant wherein said polynucleotide encodes a DTP6 polypeptide.

No. of Pages : 307 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/03/2013

(21) Application No.1889/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : RECYCLED RESIN COMPOSITIONS AND DISPOSABLE MEDICAL DEVICES MADE THEREFROM

(51) International classification :A61L29/04,A61L29/14,A61L31/04
(31) Priority Document No :12/859972
(32) Priority Date :20/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/048103
Filing Date :17/08/2011
(87) International Publication No :WO 2012/024413
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)CALISTRI YEH Mildred**
**3)AMORA Lourdes Pia L.**
**4)GIDDES Richard**

(57) Abstract :
Compositions including recycled resin components and medical devices and components made form such compositions are disclosed. The compositions and medical devices are characterized as biocompatible and sterilization stable. In one or more embodiments the compositions include a recycled resin component and may include one or more of an anti oxidant component slip additive component anti static component impact modifier component colorant component acid scavenger component X ray fluorescence agent component radio opaque filler component surface modifier component melt stabilizer component clarifier component processing aid component and reinforcing agent component. Methods of forming medical articles and components are also disclosed.

No. of Pages : 34 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/12/2012

(21) Application No.11044/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PROCESS FOR PRODUCTION OF USEFUL SUBSTANCE

(51) International classification :C12P
(31) Priority Document No :2010-149001
(32) Priority Date :30/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/065524
Filing Date :30/06/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)KAMADA Nozomu**

(57) Abstract :
Disclosed is a process for producing a useful substance using a microorganism whereby the period of the culture of the microorganism can be shortened and the productivity of the useful substance can be improved. An initial culture medium for the main culture to be used contains an oxide of a carbohydrate and an oxide of a hydrocarbon at a total concentration of less than 0.4 wt% in terms of carbon content. The use of the initial culture medium enables the improvement in the rate of consumption of an oxide of a carbohydrate and/or a hydrocarbon by a microorganism and the improvement in the productivity of the useful substance to be produced.

No. of Pages : 27 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/12/2012

(21) Application No.11045/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DEVICE AND METHOD FOR IMPROVING THE RESPONSE TIME OF LIQUID CRYSTAL DISPLAYS

(51) International classification :H04N
(31) Priority Document No :10 2010 021 495.7
(32) Priority Date :26/05/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/001536
Filing Date :28/03/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)MARC RAWER**

(57) Abstract :
Display device comprising a means (3), wherein the means is configured for illuminating a liquid crystal display (2), characterized in that the means (3) is also provided for heating of the liquid crystal display.

No. of Pages : 12 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/12/2012

(21) Application No.11047/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : STEEL SHEET FOR CONTAINER AND METHOD OF PRODUCING SAME

(51) International classification :C22C
(31) Priority Document No :2010-147860
(32) Priority Date :29/06/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/064754
Filing Date :28/06/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)SHIGERU HIRANO**
**2)AKIRA TACHIKI**
**3)HIROKAZU YOKOYA**
**4)MORIO YANAGIHARA**
**5)MAKOTO KAWABATA**

(57) Abstract :
The present invention provides a steel sheet for a container including a cold-rolled steel sheet and a composite film formed on the cold-rolled steel sheet through an electrolysis process in a solution containing : at least one metal ion of an Sri ion, an Fe ion, and an Ni ion; Zr ion; a nitric acid ion: and an ammonium ion, in which the composite film contains at least one element of. Zr of 0.1 to 100 mg/m2 in equivalent units of metal Zr; Sri of 0.3 to 20 g/m2 in equivalent units of metal Sri; Fe of 5 to 2000 mg/m2 in equivalent units of metal Fe; and Ni of 5 to 2000 mg/m2 in equivalent units of metal Ni.

No. of Pages : 43 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2013

(21) Application No.1750/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : IMPROVED METHOD TO SAVE ENERGY FOR DEVICES WITH ROTATING OR RECIPROCATING MASSES

| | |
|---|---|
| (51) International classification | :H02P27/02,H02P21/00,F04B49/06 |
| (31) Priority Document No | :12/873510 |
| (32) Priority Date | :01/09/2010 |
| (33) Name of priority country | :U.S.A. |
| (86) International Application No<br>Filing Date | :PCT/US2011/020326<br>:06/01/2011 |
| (87) International Publication No | :WO 2012/030403 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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(72)**Name of Inventor :**
**1)VENKATARAMAN Vasan**

(57) Abstract :
A system and method are disclosed for turning off the voltage to a pump jack electric motor during predetermined periods of time to save energy. In the method the motor s response to closed loop control may be evaluated over several pump strokes. The periods of the pump stroke when it is feasible to turn off the motor may be identified. The consistency of the measurements over several strokes may be evaluated. The motor may be turned off during predetermined periods on subsequent pump strokes when each pump stroke shows sufficiently similar behavior to that predicted during the closed loop control process. The system may return to the closed loop control process after a predetermined period of time to adjust to any changes in the system.

No. of Pages : 62 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/01/2013

(21) Application No.654/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : COATING COMPOSITION FOR METAL CONDUCTORS

(51) International classification :C09D1/08,H01B3/08,H01B3/10
(31) Priority Document No :61/386121
(32) Priority Date :24/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No:PCT/US2011/052323
Filing Date :20/09/2011
(87) International Publication No :WO 2012/040180
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)BOEHM Frank Rainer**
**2)MEINERS Pascal**
**3)HERM Michael**
**4)RICKEN Stefan**

(57) Abstract :
The invention relates to a coating composition for coating electrically conductive wires. The coating composition comprising 0.1 to 60 wt% of reactive particles based on an element oxygen network and further having reactive functional groups chemically bound to the surface of the element oxygen network. At least one of the reactive functional groups is an isocyanate group that is bound to the reactive particle via a carbamate group. The coating composition can further contain one or more conventional binders and other additives.

No. of Pages : 27 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1816/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CATHODE ACTIVE MATERIAL FOR SECONDARY BATTERY

(51) International classification :H01M4/48,H01M4/58,H01M10/0525
(31) Priority Document No :1020100085252
(32) Priority Date :01/09/2010
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2011/006348
Filing Date :27/08/2011
(87) International Publication No :WO 2012/030114
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)CHANG Sung Kyun**
**2)JEON Hyelim**
**3)PARK Cheol Hee**
**4)PARK Hong Kyu**
**5)PARK Soo Min**
**6)LEE Ji Eun**

(57) Abstract :
The present invention provides a cathode active material for a secondary battery wherein the cathode active material has the composition represented by the following chemical formula 1 and has the form of a solid solution or a composite and a secondary battery containing the same. wLiMO xLiM O yLiMO zLiPO (1) In the formula 0<w<1 0<x<1 0<y<0.3 0<z<0.1 w+x+y+z=1 M is one or more types of elements selected from first or second row transition metals having an average oxidation number of +4 M is one or more types of elements selected from first or second row transition metals having an average oxidation number of +3 and M is one or more types of elements selected from first or fourth row transition metals having an average oxidation number of the combination of +3 and +4.

No. of Pages : 22 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1817/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : APPARATUS FOR PRODUCING ALLOYING GALVANIZED SHEET STEEL AND METHOD FOR PRODUCING ALLOYING GALVANIZED SHEET STEEL

(51) International classification :C23C2/00,C22C18/04,C23C2/06
(31) Priority Document No :2010196797
(32) Priority Date :02/09/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/068142
Filing Date :09/08/2011
(87) International Publication No :WO 2012/029512
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)OKADA Nobuyoshi**
**2)HOSHINO Masanori**
**3)SAKATOKU Atsushi**

(57) Abstract :
An apparatus for producing alloying galvanized sheet steel comprises: a plating tank that stores a plating bath containing molten zinc and molten Al at a bath temperature (T1) and plates a steel sheet dipped in the plating bath; a separation tank that stores the plating bath transferred from the plating tank at a temperature (T2) that is lower than the temperature (T1) precipitates top dross into the plating bath by maintaining Al concentration (A2) at high concentration in the bath by supplying a first base metal while supersaturating Fe in the plating bath and floats the top dross to separate; an equalizing tank that stores the plating bath transferred from the separation tank at a temperature of (T3) that is higher than the temperature (T2) adjusts Al concentration (A3) at low concentration in the bath by supplying a second base metal while maintaining Fe in the bath in an unsaturated state to melt dross; and a recirculation part that circulates the plating bath in the order of the plating tank the separation tank and the equalizing tank.

No. of Pages : 103 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.674/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR PRODUCING ALLOY CAST SLAB FOR RARE EARTH SINTERED MAGNET

(51) International classification :B22D11/06,B22D11/00,B22F9/04
(31) Priority Document No :2010164322
(32) Priority Date :02/07/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/065171
Filing Date :01/07/2011
(87) International Publication No :WO 2012/002531
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)ONIMURA Takuya**
**2)TABATA Shinya**

(57) Abstract :
Disclosed are: an aliov cast slat) ior a rare earth sintered magnet, wmch has hign rare earth component vield be tween before and after pulverization, while having uniform particle size after pulverization; and a method which is capable of commercially producing the alloy at high energy efficiency. The production method comprises: a step (A) for preparing an alloy melt that contains B , F e and R that is composed of at least one element selected from rare earth metal elements including Y or al ternatively contains Fe and at least one element selected fiOm among transition metal elements other than Fe, Si and C , with the balance made up of M ; a step (B) for quenching and solidifying the alloy melt t o a temperature range o f 700-1 ,000 C (inclusive) by a strip casting method using a cooling roll; and a step (C) for heating and maintaining an alloy cast slab, which is separated fi m the cooling roll by the quenching and solidification of the step (B), within a specific temperature range before the alloy cast slab is cooled to 500 □or less. B y the production method, an alloy cast slab that has a composition containing 27.0-33.0% by mass of R and 0.90-1 .30% b y mass o f boron with the balance made u p of M is obtained.

No. of Pages : 49 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1772/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MINERAL SEAM DETECTION FOR SURFACE MINER

(51) International classification :E21C35/08
(31) Priority Document No :61/377503
(32) Priority Date :27/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/049419
Filing Date :26/08/2011
(87) International Publication No :WO 2012/027707
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)FREDERICK Larry D.**

(57) Abstract :
A method and apparatus for detecting the presence of mineral seams during coal or ore mining operations. A mining machine with a cutter drum includes a detector assembly that includes two detectors attached near the surface cut by the cutter drum. The detectors include downward facing windows that receive gamma radiation from mined material and undesirable material. One detector is positioned lower than the other and over a trench created below the surface cut by the cutter drum. The cutting depth of the cutter drum may be controlled based on radiation levels detected by the detectors.

No. of Pages : 42 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1824/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HIGH TRANSMITTANCE GLASS

(51) International classification :C03C3/087,C03C4/00,C03C4/10
(31) Priority Document No :61/379772
(32) Priority Date :03/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/050160
Filing Date :01/09/2011
(87) International Publication No :WO 2012/031088
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)SHELESTAK Larry J.**

(57) Abstract :
A high transmittance glass includes: Si02 in the range of 65 to 75 weight percent; Na0 in the range of 10 to 20 weight percent; CaO in the range of 5 to 15 weight percent; MgO in the range of 0 to 5 weight percent; Al0 in the range of 0 to 5 weight percent; K0 in the range of 0 to 5 weight percent; Mn0 in the range of 0.035 to 0.6 weight percent; FO in the range of 0.0010 to 0.0030 weight percent; and Fe0 (total iron) in the range of 0.001 to 0.03 weight percent. The glass has a redox ratio in the range of 0.1 to 0.4.

No. of Pages : 20 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1825/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : COATED ARTICLE HAVING GA DOPED ZINC OXIDE SEED LAYER WITH REDUCED STRESS UNDER FUNCTIONAL LAYER AND METHOD OF MAKING THE SAME

(51) International classification :C03C17/36
(31) Priority Document No :12/923390
(32) Priority Date :17/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/000983
Filing Date :01/06/2011
(87) International Publication No :WO 2012/036719
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)KRASNOV Alexey**
**2)BLACKER Richard**

(57) Abstract :
A coated article is provided with at least one functional layer such as an infrared (IR) reflecting layer of or including silver and/or gold. A dielectric and substantially transparent seed layer is provided under and directly contacting the functional layer. In certain example embodiments the seed layer includes an oxide of zinc and gallium for lowering the stress of the layer and thus improving durability of the overall coating.

No. of Pages : 29 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.673/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD AND DEVICE FOR HOMOGENISING A FIBROUS VISCOUS FOOD MASS

(51) International classification :A01J25/00,A01J25/12
(31) Priority Document No :102010031994.5
(32) Priority Date :22/07/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/062244
Filing Date :18/07/2011
(87) International Publication No :WO 2012/010556
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)KUHN Dieter**
**2)MILZ Oskar**
**3)MUELLER Andreas**

(57) Abstract :
The invention relates to a method and Sy s tem for homogenising a fibrous, viscous food mass (1), in particular pasta filata, such as for example mozzarella, wherein a feed amount of the food mass (1) is initially fed continuously to a homogenising device comprising a Con tainer (2), wherein in a subsequent step the food mass (1) exiting an outlet gap (5) of the Container is fed to a shaping and/or cooling device disposed below the Container, whe rein said device forms a filling gap (16) between two rollers ( 11, 12), wherein, in particular, a band is applied to each roller, and shapes the food mass (1) into a food strip. According to the invention, the outlet gap of the Container is oriented at least substantially parallel to the filling gap, the opening width of the outlet gap (5) and/or the feed amount are set such that the food mass located in the Con tainer can settle for the purpose of homogenisation, and the fibres of the food mass entering the filling gap are aligned substantially in the processing direction.

No. of Pages : 13 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.686/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SYSTEMS AND METHODS FOR PROVIDING A FLUSHABLE CATHETER ASSEMBLY

(51) International classification :A61M25/06,A61M39/06
(31) Priority Document No :61/364512
(32) Priority Date :15/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/028716
Filing Date :16/03/2011
(87) International Publication No :WO 2012/009028
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)STOUT Marty L.**
**2)HARDING Weston F.**
**3)ISAACSON S. Ray**
**4)BURKHOLZ Jonathan K.**
**5)MCKINNON Austin Jason**

(57) Abstract :
A flushable catheter assembly (300) having features to enable selective activation of fluid flow through the catheter assembly is disclosed herein. A septum (356) is placed within the catheter adapter (314) of the catheter assembly and includes a pathway that is closed prior to being biased open via a septum activator (380) also positioned within the catheter adapter. A plurality of air vent channels (70) is interposed between the septum and the inner surface (60) of the catheter adapter to permit flashback of blood during insertion of the catheter into a patient. The septum activator is advanced through the pathway of the septum as a coupler is attached to a proximal opening of the catheter adapter.

No. of Pages : 61 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1809/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : NEW PROCESS FOR PREPARING CYCLOLIGNANS

(51) International classification :C07D493/04
(31) Priority Document No :61/378435
(32) Priority Date :31/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/SE2011/051034
Filing Date :30/08/2011
(87) International Publication No :WO 2012/030284
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)BREMBERG Ulf**
**3)LIND‰N Auri**
**4)VON KIESERITZKY Fredrik**

(57) Abstract :
The invention relates to a one pot reaction for the preparation of a compound of Formula (I). The compound of Formula (I) may be further transformed into picropodophyllin and derivatives thereof.

No. of Pages : 29 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/03/2013

(21) Application No.1862/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SYSTEM AND METHOD TO INCREASE THE OVERALL SYSTEM EFFICIENCY OF INTERNAL COMBUSTION BASED ELECTRIC GENERATORS

(51) International classification :G05D29/00
(31) Priority Document No :61/379606
(32) Priority Date :02/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/050123
Filing Date :01/09/2011
(87) International Publication No :WO 2012/031060
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)RUSSELL Thomas J.**
**2)NAUKAM Andrew**

(57) Abstract :
Disclosed are systems and methods to generate backup and remote electrical power including operating an internal combustion engine to rotate a standard electrical generator. This approach can be based on a variety of engine types such as but not limited to diesel gasoline turbine and many other engine types. Each of these technologies have respective efficiency curves based on engine speed load and many other factors. Often the maximum efficiency point is not the current load demand of the generator system. The disclosed systems and methods are directed to enabling the various generator sets to operate at or near their peak efficiency while they are running thereby improving the overall efficiency of the generator systems.

No. of Pages : 33 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/03/2013

(21) Application No.1863/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ARMOUR ASSEMBLY

(51) International classification :F41H5/02
(31) Priority Document No :1014569.6
(32) Priority Date :02/09/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/051650
Filing Date :02/09/2011
(87) International Publication No :WO 2012/028888
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)LIVESEY Christopher James**
**2)SAGOO Kamaljeet Singh**
**3)HURST Simon James**

(57) Abstract :
An armour system (1) comprising at least two elements (2) wherein said elements are arranged at an angle (a ) ° and joined at their apex (7) and troughs (8) to form a chevron shaped surface wherein said at least two elements comprise a plurality of perforations.

No. of Pages : 26 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/03/2013

(21) Application No.1864/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DI AZETIDINYL DIAMIDE AS MONOACYLGLYCEROL LIPASE INHIBITORS

(51) International classification :C07D205/04,C07D403/14,C07D409/14
(31) Priority Document No :61/379764
(32) Priority Date :03/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/049885
Filing Date :31/08/2011
(87) International Publication No :WO 2012/030907
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)MACIELAG Mark J.**
**3)ZHU Bin**

(57) Abstract :
Disclosed are compounds compositions and methods for treating various diseases syndromes conditions and disorders including pain. Such compounds are represented by Formula (I) as follows: wherein Q and Z are defined herein.

No. of Pages : 116 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/01/2013

(21) Application No.653/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MEDIATION SERVER COMMUNICATION DEVICE AND CONNECTING METHOD

(51) International classification :H04W48/18,G06F13/00,H04W8/20
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2010/064126
Filing Date :17/08/2010
(87) International Publication No :WO 2012/023214
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)ODA Toshikane**
**2)MURAKAMI Shingo**
**3)SUGIMOTO Shinta**

(57) Abstract :
A mediation server for mediating subscription information to a communication device from a network operator providing network connectivity is provided. The server includes a management unit for managing context information of a communication device which includes data relating to service provided by a network operator; an obtaining unit for obtaining device information of the communication device which includes data needed to obtain subscription information from a network operator; a selecting unit for selecting using the context information a network operator that provides the best service to the communication device out of network operators that are able to provide network connectivity to the communication device; and a request unit for sending a request with the obtained device information to the selected network operator for subscription information which is to be used for the communication device to connect to the selected network operator as a home network operator.

No. of Pages : 47 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.692/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ONBOARD OIL CONTAINMENT SYSTEM

(51) International classification :E02B15/06,B63B35/32,C02F1/40
(31) Priority Document No :61/358566
(32) Priority Date :25/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/041480
Filing Date :22/06/2011
(87) International Publication No :WO 2011/163383
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**3)ORTEGO Jeffrey D.**
(72)**Name of Inventor :**
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**2)BOLDOR Dorin**
**3)ORTEGO Jeffrey D.**

(57) Abstract :
An oil containment system aboard a vessel which includes a pneumatic system to provide power to a winch and reel assembly containing boom whereby the pneumatic supply is capable of simultaneously powering the winch reel assembly for boom deployment through inflatable gas fed to a pneumatic motor while also inflating the boom. The inflation of the boom is accomplished by diverting all or any portion thereof the inflatable gas from a pneumatic supply through a hose that runs concurrently on the outside of the boom wherein appropriate rates of inflatable gas pressure are allowed to flow through the hose to feed through a valve and hose assembly that connects the inflatable gas supply of the hose to the inflatable gas containment system of the boom. The pneumatic supply originates from a single pneumatic system powering both the winch and reel assembly as well as associated brake and feeding inflatable gas pressure to the inflation hose running concurrently with the boom. The system may be manufactured in a form such that it is compact enough to be installed in or rapidly transported to any area or place or vessel where there is likelihood of a discharge of floating material such as hydrocarbons floating on a liquid surface. The present invention may also be operated through the use of pneumatic control without the benefit of electric power making it particularly useful for applications in remote areas or during a disaster when electrical power is not readily available.

No. of Pages : 28 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/03/2013

(21) Application No.1857/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR OPTIMIZING THE CONTROL OF A FREE TURBINE POWER PACKAGE FOR AN AIRCRAFT AND CONTROL FOR IMPLEMENTING SAME

(51) International classification :F02C7/32,F02C9/28
(31) Priority Document No :1056774
(32) Priority Date :25/08/2010
(33) Name of priority country :France
(86) International Application No :PCT/FR2011/051945
Filing Date :23/08/2011
(87) International Publication No :WO 2012/025689
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)TURBOMECA**
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(72)**Name of Inventor :**
**1)HAILLOT Jean Michel**

(57) Abstract :
The invention specifically relates to optimizing fuel-injection control. To this end, the driving speeds of apparatuses are adjusted by controlling the speed of the turbine TL according to the power. According to the invention, the method for optimizing the control of a free 10 turbine TL power package of an aircraft, provided with a low-pressure body BP, which supplies power (Pd1, Pd2, ...) to apparatuses (E1, E2, ...) and which is linked to a high-pressure body HP, consists of varying the speed (VBP) of the lowpressure body BP in order to obtain a minimum speed (VHP) for the high-pressure body HP, in such a way that the power supplied (Pf) by the apparatuses (E1, E2, 15 ...) remains constant. In particular, since the power supplied by the apparatuses (E1, E2,...) is dependent upon the speed at which said apparatuses are driven by the low-pressure body BP, the speed set point (Cgp) of the low-pressure body BP of the turbine TL is dependent upon the maximum value (Max Vm(i)) of the minimum speeds (Vm1, Vm2, ...) of the apparatuses (E1, E2, ...), enabling the 20 respectively required amounts of power to be obtained in an optimised mariner, and upon a positive or zero incrementation (e) added to the speed set point (Cgp) of the low-pressure body BP in order to minimize the speed (V|-jp) of the highj pressure body HP to the ISO power supply of the apparatuses (E1, E2,...).

No. of Pages : 19 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.667/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HEAT STABLE HALOGEN FREE FLAME RETARDANT COPOLYESTER THERMOPLASTIC ELASTOMER COMPOSITIONS

(51) International classification :C08L67/02,H01B3/42,C08K5/00
(31) Priority Document No :61/374290
(32) Priority Date :17/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/047895
Filing Date :16/08/2011
(87) International Publication No :WO 2012/024280
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)KARAYIANNI Eleni**
**2)WRIGLEY David J.**

(57) Abstract :
Halogen free flame retardant compositions exhibiting flame retardance and retention of mechanical properties especially elongation at break upon long term high temperature exposure and comprising a) at least one copolyester thermoplastic elastomer and b) from at or about 1 to at or about 30 weight percent based on the total weight of the composition of at least one flame retardant comprising a phosphinate diphosphinate and/or polymers of these; c) from at or about 0.25 to at or about 15 weight percent based on the total weight of the flame retardant composition of one or more polyhydroxy polymers having a number average molecular weight of at least 2000 and selected from the group consisting of ethylene vinyl alcohol copolymers and poly(vinyl alcohol)s.

No. of Pages : 38 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.693/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : STAIN PROOF COATING COMPOSITION STAIN PROOF COATING FILM AND METHOD FOR PREVENTION OF STAINING OF BASE MATERIAL

| | |
|---|---|
| (51) International classification | :C09D167/00,A01N25/10,A01N55/02 |
| (31) Priority Document No | :2010143183 |
| (32) Priority Date | :23/06/2010 |
| (33) Name of priority country | :Japan |
| (86) International Application No<br>Filing Date | :PCT/JP2011/064466<br>:23/06/2011 |
| (87) International Publication No | :WO 2011/162359 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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**2)SEKI Yasuyuki**
**3)MASUDA Satoshi**

(57) Abstract :
Disclosed is a stain-proof coating composition which does not contain copper or any copper compound (e.g., cuprous oxide) and therefore enables the production f a stain-proof coating iilm that does not undergo discoloration or cracking caused by ultraviolet ray or moisture, can have a low VOC and long-term antistain properties at high levels simultaneously, and has excellent mechanical strength. Specifically disclosed i s a two-part hydrolysable stain-proof coating composition which com prises two liquids, i.e., a first component comprising a polyester resin and a paste-like second component con taining zinc oxide, wherein the solid content in the polyester resin has an acid value and a hydroxy value of 50-200 mgKOH/g and 100 mgKOH/g, respectively, the polyester resin has a viscosity o f 500 mPa-s or less at 2 5 , and wherein the coating composition is character ized in that the content of a volatile organic compound is 400 g L or less relative to the total amount of the first and second components, and copper or any copper compound is not contained.

No. of Pages : 91 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1784/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : TREATMENT OF DISEASES

(51) International classification :A61K38/12,A61P9/10,A61P27/02
(31) Priority Document No :61/380404
(32) Priority Date :07/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/050612
Filing Date :07/09/2011
(87) International Publication No :WO 2012/033789
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)BAR OR David**

(57) Abstract :
The invention provides a method of inhibiting vascular hyperpermeability in an animal in need thereof. The method comprises administering an effective amount of a diketopiperazme a prodrug of a diketopiperazme or a pharmaceutically acceptable salt of either of them to the animal wherein the diketopiperazme has the formula set forth in the specification. The invention also provides a method of modulating the cytoskeleton of an endothelial cell in an animal. The method comprises administering an effective amount of a diketopiperazme a prodrug of a diketopiperazme or a pharmaceutically acceptable salt of either of them to the animal wherein the diketopiperazme has the formula set forth in the specification. The invention further provides a kit. The kit comprises a diketopiperazme a prodrug of a diketopiperazme or a pharmaceutically acceptable salt of either of them to the animal wherein the diketopiperazme has the formula set forth in the specification.

No. of Pages : 50 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1837/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD AND APPARATUS FOR GUIDING A SUTURE THREAD

(51) International classification :A61B17/04,A61B17/00
(31) Priority Document No :61/392601
(32) Priority Date :13/10/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/055892
Filing Date :12/10/2011
(87) International Publication No :WO 2012/064453
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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**2)LUDIN Alexander**

(57) Abstract :
A suture device is configured to guide a suture thread. The device includes a sleeve that defines an opening and a plunger to which a suture thread can be attached. The plunger can be inserted into the opening of the sleeve and movable between a retracted position and an advanced position. When the plunger is in the retracted position a distal portion of the suture thread is located proximal with respect to the distal end of the suture device. When the plunger is in the advanced position the distal portion of the suture thread is driven out the distal end of the suture device.

No. of Pages : 23 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1838/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : COMPOSITIONS FOR SEED TREATMENT

(51) International classification :C07K16/16
(31) Priority Document No :61/402307
(32) Priority Date :26/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2011/064740
Filing Date :26/08/2011
(87) International Publication No :WO 2012/025621
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**2)DE JONGHE Chris**
**3)JONGEDIJK Erik**

(57) Abstract :
The present invention relates to a composition for seed treatment comprising a plant seed binding protein preferably an antigen binding plant seed binding protein. In a preferred embodiment the seed binding protein is binding a polysaccharide preferably pectin. The invention relates further to the use of a plant seed binding protein to bind a plant enhancing agent to a plant seed and to a method for treating plant seeds.

No. of Pages : 83 No. of Claims : 49

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.685/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : IRON DOPED SULPHOALUMINATE BELITE CLINKER

(51) International classification :C04B7/32,C04B7/345,C04B28/02
(31) Priority Document No :10/55926
(32) Priority Date :21/07/2010
(33) Name of priority country :France
(86) International Application No :PCT/FR2011/051744
Filing Date :20/07/2011
(87) International Publication No :WO 2012/010800
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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**2)MERIC Pascal**
**3)PASQUIER Michel**
**4)BEAUVENT Guy**

(57) Abstract :
The present invention relates to a novel iron-doped sulphoaluminate-belite clinker, a process for preparing this clinker, and also the use of the clinker for the preparation of hydraulic binder and, consequently, of grout, concrete or mortar.

No. of Pages : 28 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.696/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FUNGICIDAL PYRAZOLES AND THEIR MIXTURES

(51) International classification :A01N43/48
(31) Priority Document No :61/378982
(32) Priority Date :01/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/050124
Filing Date :01/09/2011
(87) International Publication No :WO 2012/031061
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)GREGORY Vann**
**3)GUTTERIDGE Steven**
**4)TAGGI Andrew Edmund**
**5)BEREZNAK James Francis**

(57) Abstract :
Disclosed is a fungicidal composition comprising (a) at least one compound selected from the compounds of Formula (1) oxides and salts thereof wherein R R R R R and R are as defined in the disclosure; and (b) at least one additional fungicidal compound. Also disclosed is a method for controlling plant diseases caused by fungal plant pathogens comprising applying to the plant or portion thereof or to the plant seed a fungicidally effective amount of a compound of Formula (1) an oxide or salt thereof (e.g. as a component in the aforesaid composition). Also disclosed is a composition comprising: (a) at least one compound selected from the compounds of Formula (1) described above oxides and salts thereof; and at least one invertebrate pest control compound or agent.

No. of Pages : 163 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.671/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ACID DYES

| | |
|---|---|
| (51) International classification | :C09B35/031,C09B35/18,C09B35/28 |
| (31) Priority Document No | :10007893.0 |
| (32) Priority Date | :29/07/2010 |
| (33) Name of priority country | :EPO |
| (86) International Application No<br>Filing Date | :PCT/EP2011/003535<br>:15/07/2011 |
| (87) International Publication No | :WO 2012/013301 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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(72)**Name of Inventor :**
**1)NUSSER Rainer**

(57) Abstract :
The invention relates to compounds of formula (I): R° signifies a Ci to alkyl group, R1 signifies CN or CONH2, o R2 signifies a secondary or tertiary amino group, R3 signifies a secondary or tertiary amino group, BR is a bridge of the formula -A-B-A- wherein A is substituted phenyl or substituted naphthyl or unsubstituted phenyl or unsubstituted naphthyl, and B is a b i o valent group of the formula -SO 2-, -CONH-, -HNCO-, -SO 2NH- or -HNSO 2-, with the proviso that the compounds of formula (I) bear at least one anionic substituent.

No. of Pages : 28 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.684/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METAL SUBSTRATES HAVING CARBON NANOTUBES GROWN THEREON AND PROCESSES FOR PRODUCTION THEREOF

(51) International classification :B05D5/12
(31) Priority Document No :61/379713
(32) Priority Date :02/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/050084
Filing Date :31/08/2011
(87) International Publication No :WO 2012/031037
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)SHAH Tushar K.**
**2)MALET Brandon Kyle**
**3)PATEL Jigar M.**

(57) Abstract :
Processes for growing carbon nanotubes on metal substrates are described herein. The processes include depositing a catalyst precursor on a metal substrate optionally depositing a non catalytic material on the metal substrate and after depositing the catalyst precursor and the optional non catalytic material exposing the metal substrate to carbon nanotube growth conditions so as to grow carbon nanotubes thereon. The carbon nanotube growth conditions convert the catalyst precursor into a catalyst that is operable for growing carbon nanotubes. The metal substrate can remain stationary or be transported while the carbon nanotubes are being grown. Metal substrates having carbon nanotubes grown thereon are also described.

No. of Pages : 50 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.697/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD AND SYSTEM FOR TRACKING MOBILE ELECTRONIC DEVICES WHILE CONSERVING CELLULAR NETWORK RESOURCES

| | |
|---|---|
| (51) International classification | :H04W48/18,H04W64/00,H04W8/26 |
| (31) Priority Document No | :61/360906 |
| (32) Priority Date | :01/07/2010 |
| (33) Name of priority country | :U.S.A. |
| (86) International Application No<br>Filing Date | :PCT/CA2011/000788<br>:04/07/2011 |
| (87) International Publication No | :WO 2012/000108 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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(72)**Name of Inventor :**
**1)LOVELAND Damien Gerard**

(57) Abstract :
A system and associated methods are disclosed for tracking mobile electronic devices while conserving cellular network resources used for such tracking. The tracking may be performed for purposes of facilitating recovery of lost or stolen devices. To conserve network resources different telephone numbers may be assigned depending upon the location of each device and the time of each call and individual calls may be made only after a determination has been made that a telephone call is required. A determination that a telephone call is required may be made depending upon whether a protected electronic device had been reported lost or stolen and/or whether an internet communication between the protected electronic device and a monitoring center has been made within a selected previous period of time. A dynamic schedule permits reserved telephone call slots to be freed up if not needed so that they can be used for devices that need the communication time.

No. of Pages : 24 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.709/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : EXTRUDER WITH INTEGRATED DIE PLATE AND METHOD FOR DEGASING POLYMER MIXTURES

| | |
|---|---|
| (51) International classification | :B29C47/76,B29C47/70,B29C47/38 |
| (31) Priority Document No | :10007660.3 |
| (32) Priority Date | :23/07/2010 |
| (33) Name of priority country | :EPO |
| (86) International Application No<br>Filing Date | :PCT/EP2011/062636<br>:22/07/2011 |
| (87) International Publication No | :WO 2012/010693 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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**2)WIESNER Udo**
**3)KIRCHHOFF Jrg**
**4)K–NIG Thomas**
**5)KOHLGRBER Klemens**

(57) Abstract :
The invention is directed to an extruder (10) particularly for extruding a synthetic rubber product which comprises a barrel (24) one or several extruder elements (12 14) particularly one or several extruder screws and/or a kneader elements (14) arranged inside the barrel (24) for conveying the product optionally an inlet port for feeding a stripping agent into the barrel (24) and an outlet port for removing volatile compounds from the product and where applicable the stripping agent. According to the invention a perforated die plate (26) is fixed to the barrel (24) in flow direction before the outlet port. Since the die plate (26) is not fixed to the extruder elements (12 14) but to the barrel (24) a circumferential clearance between the die plate (26) and the barrel (24) is prevented so that no extruded material is passing the die plate (26) radially outside. Parts of the extruded material comprising a low surface area to volume ratio are prevented so that the evaporation of volatile compounds is facilitated.

No. of Pages : 35 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/01/2013

(21) Application No.657/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : LIGHT GUIDE SOLAR MODULE METHOD OF FABRICATION THEREOF AND PANEL MADE THEREFROM

(51) International classification :F24J2/06,F24J2/07,F24J2/18
(31) Priority Document No :PCT/CA2010/001181
(32) Priority Date :30/07/2010
(33) Name of priority country :Canada
(86) International Application No :PCT/IB2011/002613
Filing Date :01/08/2011
(87) International Publication No :WO 2012/014088
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)MYRSKOG Stefan**
**3)CHANG Philip M.**
**4)MORRIS Nigel**

(57) Abstract :
A photovoltaic light guide solar concentration apparatus has a deflecting layer a light guide layer optically coupled to the deflecting layer a secondary optic and a photovoltaic cell. The photovoltaic concentration apparatus has a central optical axis that in operation is parallel to incident sunlight. A deflecting layer includes a plurality of focusing elements symmetrically arranged with respect to the central optical axis. The light guide layer is optically coupled to the plurality of focusing elements of the deflecting layer. The light guide layer has a reflective surface and a plurality of opposite facets symmetrically arranged with respect to the central axis and focused sunlight from the deflection layer enters the light guide layer and is directed and trapped by the reflective surface and the opposite facets and guided inside the light guide layer towards an exit aperture through total internal reflections. A secondary optic is coaxially located with respect to the central optical axis and is coupled to the light guide layer the secondary optic that has at least one reflective surface. The secondary optic redirects the light towards the exit aperture. A photovoltaic cell is located at the exit aperture and on the central axis to receive sunlight from the secondary optic within an acceptance angle relative to the central axis.

No. of Pages : 73 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.670/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SYSTEMS AND METHODS TO ANALYZE AN IMMUNOASSAY TEST STRIP COMB MEMBER

(51) International classification :G01N33
(31) Priority Document No :61/366063
(32) Priority Date :20/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/044471
Filing Date :19/07/2011
(87) International Publication No :WO 2012/012382
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)SETLUR Pradeep**
**2)YAU Kerrm**
**3)TOLEDO Sandra**
**4)RICHARDSON Jason**

(57) Abstract :
Systems and methods for analyzing test strip comb members having a plurality of fingers are disclosed. The systems and methods may analyze a test strip comb member to determine the presence of one more analytes on each of the plurality of fingers.

No. of Pages : 70 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.682/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FLOOR FOR A RAIL VEHICLE

(51) International classification :B61D17/10
(31) Priority Document No :A1236/2010
(32) Priority Date :22/07/2010
(33) Name of priority country :Austria
(86) International Application No :PCT/EP2011/059060
Filing Date :01/06/2011
(87) International Publication No :WO 2012/010362
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)GREGORITS Kerstin**

(57) Abstract :
The invention relates to a floor (F) for rail vehicles consisting of a four-layer structure of a r st metal layer (1), a filling layer (2), a second metal layer (3) and a wear layer (4), which are undetachably connected to one another. According to the invention, the floor (F) is made in a single piece and Covers the entire floor of the passenger Space of a rail vehicle.

No. of Pages : 17 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.713/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HOLDER FOR AT LEAST ONE ELECTRODE IN AN EXHAUST GAS LINE

(51) International classification :F01N3/01,F01N3/021
(31) Priority Document No :10 2010 034 250.5
(32) Priority Date :13/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/063894
Filing Date :12/08/2011
(87) International Publication No :WO 2012/020111
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)HODGSON Jan**
**2)VORSMANN Christian**
**3)BRCK Rolf**

(57) Abstract :
Holder (1) for at least one electrode (2), in particular a discharge electrode which is suitable for producing a corona discharge, in an exhaust-gas line (3), wherein the holder (1) comprises a body (4), through which an exhaust gas can flow, and at least one electric contact (7) for the at least one electrode (2), wherein it is preferred that the at least one electric contact (7) is integrated into the body (4). In particular, an apparatus (15) for £ fixing at least one electric electrode (2) in an exhaust-gas line (3) is also proposed, which ff apparatus (15) has at least one holder (1) of this type, and in which apparatus (15) a particle separator (23) is arranged downstream in the flow direction (16) of the exhaust gas.

No. of Pages : 20 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.725/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PRODUCTION OF ARABITOL

(51) International classification :C12P7/18,C12P1/02
(31) Priority Document No :61/366979
(32) Priority Date :23/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/001302
Filing Date :22/07/2011
(87) International Publication No :WO 2012/011962
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)JU Lu Kwang**

(57) Abstract :
A method for producing arabitol and more particularly to producing arabitol in a major amount based on a total weight of all polyols produced and in relatively high concentration from a mixture including a carbon source such as glycerol. The method includes in one embodiment utilizing select yeast strains to produce arabitol in high yield while minimizing the amounts of other polyols using carbon sources such as glycerol as a component in a medium. In a beneficial embodiment biodiesel byproduct glycerol is used as the substrate for arabitol production.

No. of Pages : 33 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2013

(21) Application No.1757/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : IMPLANTS SURGICAL METHODS AND INSTRUMENTATION FOR USE IN FEMOROACETABULAR IMPINGEMENT SURGERIES

(51) International classification :A61F2/32,A61F2/46,A61F2/34
(31) Priority Document No :61/402249
(32) Priority Date :26/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/049129
Filing Date :25/08/2011
(87) International Publication No :WO 2012/027559
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**2)RISTER David Wayne**
**3)FREDERICK Phillip E.**
**4)BELEW Kevin Wayne**
**5)JASPER Lauren Christina**
**6)GATEWOOD James Curtis**
**7)HAYS Kevin Ray**

(57) Abstract :
Implants surgical methods and instrumentation for treating femoroacetabular impingement. In some embodiments implants are provided or formed on the acetabulum to replicate the anatomy of the acetabulum (e.g. the acetabular rim and/ or labrum the bearing surface in the acetabulum cartilage in the acetabulum etc.). Also provided are embodiments of materials and instruments for use in installing and/ or forming such implants on the acetabulum. Further provided are embodiments of guide jigs for use in preparing the acetabulum to receive such implants.

No. of Pages : 77 No. of Claims : 92

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1803/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : NEW PROCESS

(51) International classification :C07C253/30,C07C51/06,C07C51/08
(31) Priority Document No :10177187.1
(32) Priority Date :16/09/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/065860
Filing Date :13/09/2011
(87) International Publication No :WO 2012/035017
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)HAYES John**
**3)REENTS Reinhard**
**4)SMITH Dennis A.**
**5)WALSH Andrew**

(57) Abstract :
A process for the preparation of a compound of formula (I) which are useful as intermediates in the preparation of pharmaceutically active compounds.

No. of Pages : 17 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1804/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : TETRAHYDROQUINOLINE DERIVATIVES USED AS AMPK ACTIVATORS

(51) International classification :C07D215/12,C07D215/18,C07D215/48
(31) Priority Document No :PCT/CN2010/077907
(32) Priority Date :20/10/2010
(33) Name of priority country :China
(86) International Application No :PCT/EP2011/068053
Filing Date :17/10/2011
(87) International Publication No :WO 2012/052372
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)HUANG Mengwei**
**3)LIU Yongfu**
**4)WU Guolong**
**5)ZHOU Mingwei**

(57) Abstract :
A compound of formula (I) or a pharmaceutically acceptable salt or ester thereof wherein R to R have the significance given in claim 1 can be used as a medicament.

No. of Pages : 113 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1805/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD OF PRODUCING FLUOROPOLYMERS USING ACID FUNCTIONALIZED MONOMERS

(51) International classification :C08F14/18
(31) Priority Document No :61/379005
(32) Priority Date :01/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/049669
Filing Date :30/08/2011
(87) International Publication No :WO 2012/030784
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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**2)HEDHLI Lotfi**

(57) Abstract :
A fluoropolymer latex is obtained by emulsion polymerization of one or more fluoromonomers in the presence of one or more acid functionalized monomers such as vinyl sulfonic acid or a salt thereof. A fluorosurfactant need not be present.

No. of Pages : 19 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/03/2013

(21) Application No.1859/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ZEOLITES HAVING A NEURO PROTECTIVE EFFECT

(51) International classification :A61K9/14,A61K33/06,A61K33/08
(31) Priority Document No :RM2010A000435
(32) Priority Date :03/08/2010
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2011/053461
Filing Date :03/08/2011
(87) International Publication No :WO 2012/017402
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)HRASCHAN Jakob**
**3)RICCO DULLNIG Martina**
(72)**Name of Inventor :**
**1)MEMO Maurizio**
**2)MANNA Stefano**

(57) Abstract :
The present invention relates to the preparation of zeolites obtained with a method comprising a stage of heating to temperature preferably of over 400°C and at least one stage of micronisation. Such zeolites are to be used in the pharmaceutical sector in particular to combat the action of ROS at a mitochondrial level with a neuroprotective effect.

No. of Pages : 49 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.714/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : COMPACT EXHAUST GAS TREATMENT UNIT HAVING REACTION AGENT ADDITION

(51) International classification :F01N3/035,F01N3/20,F01N3/28
(31) Priority Document No :10 2010 034 705.1
(32) Priority Date :18/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/064048
Filing Date :15/08/2011
(87) International Publication No :WO 2012/022722
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)BRUGGER Marc**

(57) Abstract :
The invention relates to an exhaust gas treatment unit (1) at least comprising, arranged consecutively in terms of flow, an inflow region (2), a diverting region ( 3 ) , a backflow region (4) and an outflow region (5), wherein the backflow region (4) and the outflow region (5) are arranged on an outside surface (6) of the inflow region (2), and an addition unit (7) for a reaction agent ( 8 ) , the addition unit (7) being arranged in the outflow region (5).

No. of Pages : 22 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.727/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ANTICORROSIVE POLYAMIDE RESIN COMPOSITION AND TERMINATED ELECTRIC WIRE

(51) International classification :C08L77/00,C08L23/26,H01B7/00
(31) Priority Document No :2010185919
(32) Priority Date :23/08/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/068539
Filing Date :16/08/2011
(87) International Publication No :WO 2012/026356
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**4)TANAKA Shigeyuki**
**5)RACHI Hironobu**
**6)HOSOKAWA Takehiro**
**7)OTSUKA Yasuyuki**
**8)IMASATO Fumitoshi**
**9)INOUE Akiko**

(57) Abstract :
The invention provides an anticorrosive polyamide resin composition endowed with outstanding corrosion resistance b y virtue o f outstanding elongation and strength of adhesion t o polyolefin resins and metals. The polyamide resin composition contains a resin component comprising 70-90 mass% o f a polyamide resin and 10-30 mass% o f an acid-modified polyolefin resin. The acid-modified polyolefin resin is preferably a maleic-anhydride-modified polyolefin resin. The polyolefin resin is preferably polypropylene.

No. of Pages : 35 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1811/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CLAMP SUITABLE FOR INCREASING THE FATIGUE LIFE OF THE BUTT WELDS OF A PIPE PRESSURE VESSEL WHICH IS SUBSEQUENTLY BENT

| | |
|---|---|
| (51) International classification | :F16L55/00,B23K37/053,B63B25/14 |
| (31) Priority Document No | :12/855970 |
| (32) Priority Date | :13/08/2010 |
| (33) Name of priority country | :U.S.A. |
| (86) International Application No<br>Filing Date | :PCT/CA2011/000216<br>:28/02/2011 |
| (87) International Publication No | :WO 2012/019275 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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(72)**Name of Inventor :**
**1)FITZPATRICK Patrick John**

(57) Abstract :
A pipe clamp for affixing to a pipe subjected to bending to minimize fatigue for a butt weld in the pipe. The pipe clamp includes an inside clamp segment and an outside clamp segment each having a semi cylindrical shape a first end and a second end. An inside surface of the inside clamp segment is substantially smooth for permitting slippage of an outside surface of the pipe with respect to the inside surface of the clamp segment. The outside clamp segment has an inside surface that defines a friction element. The friction element is for gripping an outside surface of the pipe to which the outside clamp segment is affixed. A clamp mechanism is provided for securing the inside clamp segment to the outside clamp segment.

No. of Pages : 31 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.679/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : COATED PRINTABLE SUBSTRATES PROVIDING HIGHER PRINT QUALITY AND RESOLUTION AT LOWER INK USAGE

(51) International classification :D21H19/38,B41M5/52,D21H21/52
(31) Priority Document No :61/366957
(32) Priority Date :23/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/045017
Filing Date :22/07/2011
(87) International Publication No :WO 2012/012724
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)KOENIG Michael F.**

(57) Abstract :
An article in the form of a paper substrate having a water swellable substrate coating on at least one of the first and second surfaces at a thickness of less than about 10 microns and. The substrate coating has an amount of a coating pigment sufficient to impart a Parker Print Smoothness value of at least about 4 to the at least one surface and is dispersed in a water swellable coating pigment binder matrix in a coating pigment to binder matrix weight ratio of at least about 2:1. The coating pigment has larger porous coating pigment particles and smaller coating pigment particles in a weight ratio of at least about 0.2:1. The substrate coating provides an ink receptive porous surface. Also a method for preparing such coated paper substrates as well as a method for printing an image on the coated paper substrate with an inkjet printer using a lower ink usage level.

No. of Pages : 52 No. of Claims : 57

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.716/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : INJECTION DEVICE FOR INTRODUCING A UREA SOLUTION INTO THE EXHAUST TRACT OF AN INTERNAL COMBUSTION ENGINE

(51) International classification :F01N3/20,F02M57/02
(31) Priority Document No :10 2010 039 051.8
(32) Priority Date :09/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/062295
Filing Date :19/07/2011
(87) International Publication No :WO 2012/019879
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)RIPPER Wolfgang**
**3)HANNEKE Juergen**
**4)NENTWIG Godehard**

(57) Abstract :
The invention relates to an injection device (1), designed in particular for injecting fluid into an exhaust tract of an internal combustion engine, having a valve needle (14), an injection chamber (12) having at least one injection opening (44), and a control chamber (20). The injection device (1) is designed such that a pressure differential between the injection chamber (12) and the control chamber (20) brings about a displacement of the valve needle (14) between an open position in which a fluid flow through the injection opening (44) from the injection chamber (12) is released, and a closed position, in which the injection r opening (44) is closed off. The injection chamber (22) and the control chamber (20) are hydraulically connected to an inlet ( 40, 42; 9), such that a pressure rise in the inlet ( 40, 42; 9) results in a pressure rise in the injection chamber (12), and a pressure rise in the control chamber (20) delayed in time relative to the pressure rise in the injection chamber (12), and said pressure differential brings about a displacement of the valve needle (14) from the closed position into an open position.

No. of Pages : 17 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.728/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : NEW AMINOPYRAZOLOQUINAZOLINES

| | |
|---|---|
| (51) International classification | :C07D487/04,C07D493/14,C07D495/14 |
| (31) Priority Document No | :10170683.6 |
| (32) Priority Date | :23/07/2010 |
| (33) Name of priority country | :EPO |
| (86) International Application No<br>Filing Date | :PCT/EP2011/062683<br>:22/07/2011 |
| (87) International Publication No | :WO 2012/010704 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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(72)**Name of Inventor :**
**1)TREU Matthias**

(57) Abstract :
The present invention encompasses compounds of general formula (I) wherein the groups R1 to R3 and X are defined as in claim 1, which are suitable for the treatment of diseases characterised by excessive or abnormal cell proliferation, pharmaceutical preparations which contain such compounds and their use as medicaments.

No. of Pages : 218 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1832/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : VIA FILL MATERIAL FOR SOLAR APPLICATIONS

(51) International classification :H01B1/12
(31) Priority Document No :61/378959
(32) Priority Date :01/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/050145
Filing Date :01/09/2011
(87) International Publication No :WO 2012/031078
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)MCKINLEY Caroline M.**
**3)SHAIKH Aziz S.**

(57) Abstract :
The present invention is directed toward a via fill material for use in solar applications that exhibits low series resistance and high shunt resistance. The via fill material according to the invention includes silver powder a glass frit and a vehicle.

No. of Pages : 20 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/03/2013

(21) Application No.1884/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PREPARATION OF 6 AMINOCAPROIC ACID FROM ALPHA KETOPIMELIC ACID

(51) International classification :C12P13/00,C12P13/04,C12P17/10
(31) Priority Document No :10176131.0
(32) Priority Date :10/09/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/064720
Filing Date :26/08/2011
(87) International Publication No :WO 2012/031911
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)SCHRMANN Martin**
**3)TREFZER Axel Christoph**
**4)RAEMAKERS FRANKEN Petronella Catharina**
**5)MENKE Hildegard Henna**

(57) Abstract :
The invention is directed to a method for preparing 6 aminocaproic acid comprising decarboxylating alpha aminopimelic acid using at least one biocatalyst comprising an enzyme having alpha aminopimelic acid decarboxylase activity. The invention is further directed to a method for preparing caprolactam from 6 aminocaproic acid prepared by said method to a host cell suitable for use in a method according to the invention and to a polynucleotide encoding a decarboxylase that may be used in a method according to the invention.

No. of Pages : 45 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/03/2013

(21) Application No.1885/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DEVICE AND METHOD FOR THE TREATMENT OF A GASEOUS MEDIUM AND USE OF THE DEVICE FOR THE TREATMENT OF A GASEOUS MEDIUM LIQUID SOLID SURFACE OR ANY COMBINATION THEREOF

| | |
|---|---|
| (51) International classification | :B01D53/32,B01D53/44,H05H1/46 |
| (31) Priority Document No | :PCT/EP2010/062870 |
| (32) Priority Date | :02/09/2010 |
| (33) Name of priority country | :EPO |
| (86) International Application No<br>Filing Date | :PCT/EP2011/065120<br>:01/09/2011 |
| (87) International Publication No | :WO 2012/028687 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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(72)**Name of Inventor :**
**1)BEAUDOUIN Jean Michel**

(57) Abstract :
The device for the treatment of a gaseous medium according to the invention comprises in flow direction of the gaseous medium a plasma generating device for the generation of a plasma in the gaseous medium. The plasma comprises in particular excited molecules radicals ions free electrons photons and any combination thereof. Furthermore the device according to the invention comprises at least one dielectric structure in particular at least one fused silica tube. The plasma is conveyable into the at least one dielectric structure in particular after generation in the plasma generating device.

No. of Pages : 42 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.677/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : COMMUNICATION SYSTEM COMMUNICATION DEVICE COMMUNICATION METHOD AND COMPUTER PROGRAM

(51) International classification :H04L9/08,G06F21/24
(31) Priority Document No :2010171184
(32) Priority Date :29/07/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/062739
Filing Date :02/06/2011
(87) International Publication No :WO 2012/014566
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)SONY CORPORATION**
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(72)**Name of Inventor :**
**1)NAKANO Takehiko**

(57) Abstract :
Content is transmitted in an appropriate usage range for a user while the number of devices simultaneously transmitting content is limited. A content usage device periodically transmits by means of a command a key ID which corresponds to an exchange key. A content provision device holds the corresponding exchange key only for as long as the key ID can be received in each specified reception period. The content provision device discards the corresponding exchange key when the key ID can no longer be periodically received. Thereafter when a command including the key ID is received a response including information indicating that the exchange key is invalid is returned.

No. of Pages : 55 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.730/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MOLDING MACHINE CONTROL DEVICE AND METHOD FOR PRODUCING MOLDED PRODUCT

(51) International classification :B29C45/76,B22D17/32
(31) Priority Document No :2010177850
(32) Priority Date :06/08/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/067514
Filing Date :29/07/2011
(87) International Publication No :WO 2012/017962
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)NAGAMI Takeshi**

(57) Abstract :
A molding macnine i s provided with a display unit (60) with a touch panel. A first storage unit o f a storage device (55) stores molding conditions corre sponding t o each molded product together with identifi cation information. A second storage unit o f the storage device (55) stores image data corresponding t o each molded product together with identification information. A third storage unit o f the storage device (55) stores memorandum information corresponding t o each molded product together with identification information. When an image selection switch unit o f the display unit (60) with the touch panel i s operated, the display i s switched t o an image list screen (100), and a plurality o f images (101) called u p from the second storage unit are dis played in a list. When a desired image among these i m ages (101) i s selected and touched, the display i s switched t o a detail display screen ( 1 10), and an expand ed image, memorandum information, etc., o f the selected image are displayed. When a call-up switch unit o f the detail display screen ( 1 10) i s touched, the display i s switched t o a molding condition display screen.

No. of Pages : 46 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1844/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : COMPOUNDS AND COMPOSITIONS FOR MITIGATING TISSUE DAMAGE AND LETHALITY

| | |
|---|---|
| (51) International classification | :C07D471/02,C07D333/10,A61K31/4375 |
| (31) Priority Document No | :61/370386 |
| (32) Priority Date | :03/08/2010 |
| (33) Name of priority country | :U.S.A. |
| (86) International Application No<br>Filing Date | :PCT/US2011/046451<br>:03/08/2011 |
| (87) International Publication No | :WO 2012/018932 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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**4)DAMOISEAUX Robert**

(57) Abstract :
Embodiments of the present invention provide compounds and compositions thereof which are effective for mitigating tissue damage or lethality induced by an agent and methods of making and using the same.

No. of Pages : 71 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.669/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METALLATION ENHANCEMENTS IN TUMOR IMAGING AND PDT THERAPY

| | |
|---|---|
| (51) International classification | :C09B67/00,C07B47/00,C07D487/22 |
| (31) Priority Document No | :61/361718 |
| (32) Priority Date | :06/07/2010 |
| (33) Name of priority country | :U.S.A. |
| (86) International Application No<br>Filing Date | :PCT/US2011/041998<br>:27/06/2011 |
| (87) International Publication No | :WO 2012/006009 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

(71)**Name of Applicant :**
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**2)HEINZ Baumann**
**3)CHEN Yihui**
**4)JOSHI Penny**
**5)PATEL Nayan**

(57) Abstract :
A compound in the form of a metallized tetrpyroilic photosensizer linked to a fluorescent dye where the photosensitizer (PS) is linked by a structure that does not have detrimental radaiation emmitance or absorbing characteristics to a fluorophore usually a cyanine dye (CD). The photosensitizer in accordance the invention is a metallized analog of porphyrins chiorins purpurinimides bacterio pupurinimides phthalocyanines expanded porphyrins benzoporphyrin derivatives and purpurins. The fluorophore is usually a cyanine dye with varaible substituents. And A method for determining effectiveness of PDT by comparing proportion of STAT 3 monomer with crosslinked STAT 3 dimer after PDT where the relative proportion of STAT 3 monomer to crosslinked STAT 3 directly correlates to efficacy of the PDT.

No. of Pages : 28 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.683/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METAL SUBSTRATES HAVING CARBON NANOTUBES GROWN THEREON AND METHODS FOR PRODUCTION THEREOF

(51) International classification :B05D5/12
(31) Priority Document No :61/379713
(32) Priority Date :02/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/050094
Filing Date :31/08/2011
(87) International Publication No :WO 2012/031042
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)SHAH Tushar K.**
**2)MALET Brandon Kyle**
**3)PATEL Jigar M.**

(57) Abstract :
The present disclosure describes methods for growing carbon nanotubes on metal substrates. The methods include depositing a catalytic material on a metal substrate to form a catalyst laden metal substrate; optionally depositing a non catalytic material on the metal substrate prior to after or concurrently with the catalytic material; conveying the catalyst laden metal substrate through a carbon nanotube growth reactor having carbon nanotube growth conditions therein; and growing carbon nanotubes on the catalyst laden metal substrate. The catalyst laden metal substrate can optionally remain stationary while the carbon nanotubes are being grown. The catalytic material can be a catalyst or a catalyst precursor. The catalytic material and the optional non catalytic material can be deposited on the metal substrate from one or more solutions by for example spray coating or dip coating techniques.

No. of Pages : 40 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.719/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PESTICIDAL COMPOSITIONS

| | |
|---|---|
| (51) International classification | :A01N43/40,A61K31/44,A01N43/16 |
| (31) Priority Document No | :61/377116 |
| (32) Priority Date | :26/08/2010 |
| (33) Name of priority country | :U.S.A. |
| (86) International Application No<br>Filing Date | :PCT/US2011/049037<br>:25/08/2011 |
| (87) International Publication No | :WO 2012/027521 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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**2)CROUSE Gary D.**
**3)SPARKS Thomas C.**
**4)MCLEOD CaSandra Lee**

(57) Abstract :
Molecules having the following structure are disclosed. Processes of using such molecules are disclosed.

No. of Pages : 57 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.732/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD AND SYSTEM FOR RECORDING OPERATIONS IN A WEB APPLICATION

(51) International classification :G06F15/00
(31) Priority Document No :2010178550
(32) Priority Date :09/08/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/064934
Filing Date :01/09/2010
(87) International Publication No :WO 2012/020512
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**2)EGI Masashi**
**3)SAKURAI Takao**
**4)TASHIRO Daisuke**

(57) Abstract :
The present invention makes it possible to collect log data efficiently by controlling the capturing event for an operation log on the basis of application layer information. A web server generates a response including an operation log capturing script and the information from an operation log capturing control definition table and a property capturing definition table, and sends the response to a client. In the client, the received information is forwarded from a web browser module to a script engine module. An operation log capturing module sets the information acquisition event handler on the basis of the forwarded information, captures a sequential operation log on the basis of the operations performed by a user in the web browser, and sends the captured sequential operation log to a log server. A log server module collects sequential operation log in an operation log table, and a log analysis module analyzes the collected logs.

No. of Pages : 70 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.710/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : OCEAN WAVE ENERGY SYSTEM

(51) International classification :F03B13/14,F03B13/24
(31) Priority Document No :20100906
(32) Priority Date :23/06/2010
(33) Name of priority country :Norway
(86) International Application No :PCT/NO2011/000175
Filing Date :17/06/2011
(87) International Publication No :WO 2011/162615
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)SOLHEIM Geir Arne**

(57) Abstract :
An ocean wave energy system (200 1000 3000) for generating power from ocean waves (40) includes a platform (520) supporting an array of hollow columns (220) whose respective lower ends are in fluidic communication with ocean waves (40) and whose respective upper ends are in air communication with a turbine arrangement (230) such that wave motion occurring at the lower ends is operable to cause air movement within the columns (220) for propelling the turbine arrangement (230) to generate power output. The system (200 1000 3000) further includes one or more position adjustable and/or angle adjustable submerged structures (300) near the lower ends of the columns (220) for forming ocean waves propagating in operation towards the lower ends of the columns (220) to couple the waves (40) in a controllable manner into the hollow columns (220).

No. of Pages : 66 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.722/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SHIFT MECHANISM FOR A PLANETARY GEAR TRANSMISSION

(51) International classification :B62M11/14,B62M25/02
(31) Priority Document No :12/804720
(32) Priority Date :28/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/044938
Filing Date :22/07/2011
(87) International Publication No :WO 2012/015682
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)SERKH Alexander**
**2)SCHNEIDER Dean**

(57) Abstract :
A shift mechanism for a transmission comprising a planetary gear transmission a shift cam ( 600 ) engaged with a planetary gear assembly in the planetary gear transmission the shift cam having a shift cam stop ( 5008 ) a rotatable cable ring ( 5003 ) connected to a moveable cable ( 1 ) the cable ring comprising a ramped portion ( 361 362 ) a rotatable ramped ring ( 5002 ) the ramped ring comprising a ramped portion ( 381 382 ) cooperatively engaged with the cable ring ramped portion and further the ramped ring having a stop cooperatively engagable with the shift cam stop a rotation of the cable ring urges the ramped ring a predetermined distance in a direction normal to the plane of rotation of the cable ring the shift cam held against rotation by engagement with the ramped ring and at which predetermined distance the ramped ring is allowed to rotate with the cable ring simultaneous with the axial movement of the ramped ring and a spring ( 5005 ) connected between the cable ring and the shift cam the shift cam reacting to the spring force rotates upon rotation of the ramped ring by an amount of rotation that is limited by engagement of the shift cam stop with the ramped ring stop and during which rotation of the shift cam the transmission shifts gears.

No. of Pages : 70 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.735/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : STRAINS OF AGROBACTERIUM MODIFIED TO INCREASE PLANT TRANSFORMATION FREQUENCY

| | |
|---|---|
| (51) International classification | :A01H5/00,C12N15/82,C12N15/84 |
| (31) Priority Document No | :61/368965 |
| (32) Priority Date | :29/07/2010 |
| (33) Name of priority country | :U.S.A. |
| (86) International Application No<br>Filing Date | :PCT/US2011/046028<br>:29/07/2011 |
| (87) International Publication No | :WO 2012/016222 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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**3)RETALLACK Diane**
**4)WOOSLEY Aaron**
**5)MEADE Tom**
**6)NARVA Kenneth E.**

(57) Abstract :
strains that harbor transformation-enhanc ing genes on a plasmid capable of replication independently of the Agrobacterium chromosome, the Ti plasmid, and plant transformation bi nary vectors, and uses for these Agrobacterium strains are provided. Addi tionally, Agrobacterium strains that are deficient in DNA recombination functions that result in instability or rearrangement of plant transformation binary vectors, and that harbor transformation-enhancing genes on a plas mid capable of replication independently of the Agrobacterium chromo some, the Ti plasmid, and plant transformation binary vectors, and uses for these strains, are also provided. Further included are Agrobacterium strains that harbor transformation-enhancing genes integrated into the Agrobacterium chromosome at a locus that does not interfere with or oth erwise compromise the normal growth and plant transformation ability of the Agrobacterium cells, and uses for these Agrobacterium strains. Plants made using these Agrobacterium strains are also described.

No. of Pages : 148 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/12/2012

(21) Application No.11189/DELNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SEGMENTED WIND TURBINE BLADES WITH TRUSS CONNECTION REGIONS AND ASSOCIATED SYSTEMS AND METHODS

(51) International classification :F03D1/06
(31) Priority Document No :61/347724
(32) Priority Date :24/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/037815
Filing Date :24/05/2011
(87) International Publication No :WO 2011/149990
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)ARENDT Cory P.**
**2)BAKER Myles L.**

(57) Abstract :
Segmented wind turbine blades with truss connection regions and associated systems and methods are disclosed. A wind turbine system in accordance with a particular embodiment includes a wind turbine with a first segment having a first position along the longitudinal axis and having a first internal load bearing structure for which non truss structure elements carry at least 90% of the shear loads in the first segment. The blade further includes a second segment having a second position along the longitudinal axis and having a second internal load bearing structure for which non truss structure elements carry at least 90% of the shear loads in the first segment. A connection region between the first and second segments includes an internal load bearing truss structure connected between the first internal load bearing structure and the second internal load bearing structure.

No. of Pages : 41 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2013

(21) Application No.1728/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PHARMACEUTICAL COMPOSITION AND METHOD OF INHIBITING OF PRODUCTION OR AMPLIFYING ELIMINATION OF P24 PROTEIN

(51) International classification :C07K16/28,A61K41/00
(31) Priority Document No :2010133046
(32) Priority Date :06/08/2010
(33) Name of priority country :Russia
(86) International Application No :PCT/IB2011/002355
Filing Date :15/07/2011
(87) International Publication No :WO 2012/017322
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
The present invention relates to a pharmaceutical composition, comprising an activated-potentiated form of an an tibody to CD4 receptor, and method of inhibiting of production or amplifying elimination of P24 protein.

No. of Pages : 20 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/03/2013

(21) Application No.1865/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : OXIDATION FURNACE

(51) International classification :D01F9/32,F27B9/28,F27B9/30
(31) Priority Document No :10 2010 044 296.8
(32) Priority Date :03/09/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/004108
Filing Date :16/08/2011
(87) International Publication No :WO 2012/028260
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)BERNER Karl**

(57) Abstract :
The invention relates to an oxidation furnace (1) for the oxidative treatment of fibers (20) in particular for producing carbon fibers. In a known manner the furnace has a processing chamber (6) which can be found in the interior of a housing (2); at least one blowing device (13); at least one suction device (14); at least one ventilator (21) that circulates the hot air through the blowing device (13) the processing chamber (6) and the suction device (14); and at least one heating device (18) that lies in the flow path of the hot circulated air. Deviating rollers (24 25 26 32) guide the fibers (20) in a serpentine manner through the processing chamber (6) such that the fibers lie next to one another as a carpet the fiber carpet (20) being stretched between each opposing deviating roller (24 25 26) over one plane. The air in the processing chamber (6) crosses the planes over which the fiber carpet (20) is stretched at an angle that differs from 0° and 90° using special means (33). In this manner a better heat exchange between the hot oxidative air and the fibers (20) is achieved.

No. of Pages : 30 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.678/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DEVICES AND METHODS FOR COLLECTING AND ANALYZING FLUID SAMPLES FROM THE ORAL CAVITY

(51) International classification :A61C17/02,A61B5/00
(31) Priority Document No :61/367594
(32) Priority Date :26/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/044971
Filing Date :22/07/2011
(87) International Publication No :WO 2012/018555
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)FOUGERE Richard J.**
**3)FUSI Robert W.**
**4)MCDONOUGH Justin E.**
**5)NICHOLSON TOMISHIMA Karin Lynne**
**6)REDDY Megha**

(57) Abstract :
Devices for collecting a fluid sample from the oral cavity the device including a mouthpiece that includes a chamber the chamber including front and rear inner walls; and means for collecting the fluid sample from the oral cavity; and methods of collecting and analyzing samples of fluid from the oral cavity including the steps of placing the device in the oral cavity collecting the fluid sample and conducting an analysis of the fluid sample.

No. of Pages : 96 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.736/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DUAL LAYER METHOD OF FABRICATING ULTRACAPACITOR CURRENT COLLECTORS

(51) International classification :H01G9/00,H01G9/058,H01G9/016
(31) Priority Document No :12/860995
(32) Priority Date :23/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/047173
Filing Date :10/08/2011
(87) International Publication No :WO 2012/027102
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)GADKAREE Kishor P**
**2)JOOS Felipe Miguel**
**3)LIM James Robert**
**4)REDDY Kamjula P**

(57) Abstract :
A method of making a multi layer current collector comprises forming a first layer ( 104 ) from a first formulation over each major surface of a current collector substrate ( 103 ) and forming a second layer ( 105 ) from a second formulation over each of the first layers ( 104 ) wherein one of the first formulation and second formulation is a graphite formulation and the other of the first formulation and second formulation is a carbon black formulation.

No. of Pages : 24 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.1766/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DIP COATING SYSTEM

(51) International classification :B65G49/04
(31) Priority Document No :20 2010 012 481.6
(32) Priority Date :10/09/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/004161
Filing Date :18/08/2011
(87) International Publication No :WO 2012/031675
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)ROBBIN Jrg**
**2)RIEGRAF Martin**

(57) Abstract :
The invention relates to a dip coating system in which the objects which are to be treated in particular vehicle bodies are transported by means of at least one conveyor carriage (1) to the dipping tanks which can be filled with a treatment liquid are dipped therein and then withdrawn and can be conveyed away from the dipping tanks. Said conveyor carriage (1) can be guided along a rail (6) and comprises a drive carriage (2) which can be driven by a motor along the rail (6) and a securing device (12) to which at least one object can be secured and which can be rotated about a rotational axis (18). A connection device (11) joins the drive carriage (2) to the securing device (12). One of the two ends of the rotational axis (18) can be mounted on the connection device (11) such that the rotational axis (18) can be displaced in the vertical direction freely overhanging together with the connection device (12). Said connection device comprises a drive device which can rotate the rotational axis (18). Said rotational axis (18) and drive device are joined by a planetary gearing (23).

No. of Pages : 21 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1812/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR PRODUCING AGRICULTURAL CROP

(51) International classification :A01N25/24,A01N47/38,A01N57/14
(31) Priority Document No :2010197725
(32) Priority Date :03/09/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/069863
Filing Date :01/09/2011
(87) International Publication No :WO 2012/029893
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)KAMEI Masatoshi**
**2)MIZUSHIMA Hiromoto**

(57) Abstract :
Provided is a pesticide potentiator composition which comprises: one or more kinds of compounds (A) selected from among a specific ethoxylate compound a specific polyoxyethylene fatty acid ester a specific polyoxyethylene sorbitan fatty acid ester a specific (poly)glycerol fatty acid ester and a specific alkyl saccharide; and one or more kinds of compounds (B) selected from among a specific polyoxyalkylene alkyl ether and a specific aliphatic alcohol.

No. of Pages : 62 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1813/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PLASTIC POLARIZING LENS METHOD FOR PRODUCING SAME AND POLARIZING FILM

(51) International classification :G02C7/12,C09B47/00,G02B5/30
(31) Priority Document No :2010180732
(32) Priority Date :12/08/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/004544
Filing Date :10/08/2011
(87) International Publication No :WO 2012/020570
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)KOBAYASHI Seiichi**
**3)KAMIO Hiroyuki**
**4)KOBAYASHI Yoshiharu**
**5)SAKAI Mitsuru**
**6)AIISO Yoshimitsu**

(57) Abstract :
The present invention provides a plastic polarizing lens (10) wherein layers formed from a thiourethane resin (resin layers) (14a 14b) are arranged on respective surfaces of a polarizing film (12). The polarizing film (12) contains an organic dye compound that is represented by general formula (1).

No. of Pages : 121 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.724/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PROCEDURE FOR THE OBTAINMENT OF FATTY ACIDS OF PHARMACOLOGICAL AND NUTRITIONAL INTEREST

(51) International classification :C12P7/64,A61K31/20,A23L1/30
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/ES2010/070424
Filing Date :23/06/2010
(87) International Publication No :WO 2011/161274
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)STRO AZZO MOUGIN Bernard A.J.**

(57) Abstract :
This invention refers to a procedure for obtaining fatty acids of pharmacological and nutritional interest that comprises the steps of feeding a gas comprising C02 into a reactor that contains a 5 culture that comprises at least one species of microalgae capable of photosynthesis, the process of photosynthesis by the species of microalgae from the C02 supplied, producing a biomass that contains a general formula (I) compound: o L Jn (i) 15 extraction of the general formula (I) compound from the biomass obtained and concentration and/or purification of this compound.

No. of Pages : 40 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.737/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : TREATMENT OF SILICA BASED SOOT OR AN ARTICLE MADE OF SILICA BASED SOOT

(51) International classification :C03B19/14,C03B37/012,C03B37/014
(31) Priority Document No :61/373005
(32) Priority Date :12/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/046101
Filing Date :01/08/2011
(87) International Publication No :WO 2012/021317
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)LEBLOND Nicolas**
**2)TANDON Pushkar**
**3)VEMURY Srinivas**

(57) Abstract :
One embodiment of the disclosure relates to a method of cleaning silica based soot or an article made of silica based soot the method comprising the step of treating silica based soot or the article made of silica based soot with at least one of the following compounds: (i) a mixture of CO and C1 in a carrier gas such that the total concentration of CO and C1 in the mixture is greater than 10 % (by volume in carrier gas) and the ratio of CO:C1 is between 0.25 and 5; (ii) CC1 in a carrier gas such that concentration CC1 is greater than 1 % (by volume in carrier gas). Preferably the treatment by CC1 is performed at temperatures between 600 °C and 850 °C. Preferably the treatment with the CO and Cl mixture is performed at temperatures between 900 °C and 1200 °C. The carrier gas may be for example He Ar N or the combination thereof.

No. of Pages : 25 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1818/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : IMAGING SYSTEMS AND ASSOCIATED METHODS THEREOF

(51) International classification :G02B21/00,G02B21/36,G02B27/00
(31) Priority Document No :12/871538
(32) Priority Date :30/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2011/064770
Filing Date :26/08/2011
(87) International Publication No :WO 2012/028560
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)HARDING Kevin George**
**2)FILKINS Robert John**
**3)ABRAMOVICH Gil**

(57) Abstract :
Imaging systems and methods for generating images of a sample are provided wherein the system comprises an illumination source for illuminating the sample; an image viewing subsystem for viewing images formed from the sample; one or more tunable wave plates and one or more birefringent elements which are positioned between the sample and the image viewing subsystem so that images from the sample pass through the tunable optical wave plates and the birefringent elements before reaching the image viewing subsystem; a device that changes one or more phase retardation states of the tunable optical wave plates resulting in a change of one or more polarization states of the image; and a controller that modifies the device to change the phase retardation states of the tunable optical wave plates.

No. of Pages : 24 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1819/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : INTEGRATED GLUCOSE MONITOR AND INSULIN INJECTION PEN WITH AUTOMATIC EMERGENCY NOTIFICATION

(51) International classification :A61M31/00
(31) Priority Document No :12/806669
(32) Priority Date :18/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/001349
Filing Date :01/08/2011
(87) International Publication No :WO 2012/023964
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)AREFIEG Rana J.**

(57) Abstract :
A portable insulin injection pen and blood glucose monitoring device is integrated into a single unit for testing and treating diabetes symptoms. The device has a housing of a size suitable for transport in a user s clothing pocket or handbag. Within the housing is a blood glucose monitoring system for receiving a sample of the user s blood and detecting its glucose level an insulin injection mechanism for administering an insulin injection and a microprocessor that calculates an insulin dosage appropriate to the detected blood glucose level and sets the insulin injection mechanism to administer the calculated insulin dosage. A communication device automatically informs a remote emergency service provider such as 911 or an emergency service to which the user has subscribed if the microprocessor determines that the detected blood glucose level presents a potential danger to the user. The microprocessor also calculates treatment regimens specific to a particular user based on the detected blood glucose level and displays the treatment regimens on an LCD display. In a particularly advantageous embodiment a GPS receiver within the housing detects the location of the device and the communication device which can be a cellular telephone separate from the housing connected wirelessly to the unit via a Bluetooth connection or cellular telephone circuitry within the housing itself transmits information regarding the location to the remote emergency service.

No. of Pages : 49 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.726/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ISOMERISATION CATALYST

(51) International classification :B01J21/04,B01J23/58,C07C29/56
(31) Priority Document No :10007661.1
(32) Priority Date :23/07/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/062649
Filing Date :22/07/2011
(87) International Publication No :WO 2012/010695
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)ZIRNGIEBL Eberhard**
**3)MECHELHOFF Martin**

(57) Abstract :
The present invention relates to a process for preparing menthol isomers by selective rearrangement of stereoisomers of menthol or mixtures thereof in the presence of rutheniumcontaining supported catalysts doped with or comprising alkaline earth metal alkoxides, and to the catalysts themselves.

No. of Pages : 17 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.739/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : COMPOUNDS ACT AT MULTIPLE PROSTAGLANDIN RECEPTORS GIVING A GENERAL ANTI INFLAMMATORY RESPONSE

(51) International classification :C07D231/12,A61K31/415,A61P29/00
(31) Priority Document No :61/360755
(32) Priority Date :01/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/042729
Filing Date :01/07/2011
(87) International Publication No :WO 2012/003414
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**4)KANGASMETSA Hussi J.**
**5)CARLING William C.**

(57) Abstract :
The present invention provides a compound that is a 1 [(2 {[(alkyl or aryl)methyl]oxy}halo or haloalkyl substituted phenyl)alkyl] 5 hydrocarbyl or substituted hydrocarbyl 1H pyrazole carboxylic acid or alkylenylcarboxylic acid or a hydrocarbyl or substituted hydrocarbyl sulfonamide of said carboxylic acid or said alkylenylcarboxylic acid provided however said compound is not a 3 carboxylic acid a sulfonamide thereof or a 3 methylenylcarboxylic acid. The compound may be represented by the following formula (I). Wherein R1 R2 R3 R4 R5 R6 X W X and Y are as defined in the specification. The compounds may be administered to treat DP1 FP EP1 TP and/or EP4 receptor mediated diseases or conditions.

No. of Pages : 81 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1849/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : COMMUNICATION APPARATUS AND COMMUNICATION SYSTEM

(51) International classification :H04L12/56,H04L29/08
(31) Priority Document No :2010255521
(32) Priority Date :16/11/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/067282
Filing Date :28/07/2011
(87) International Publication No :WO 2012/066824
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**3)MORI Takuro**

(57) Abstract :
When using a proxy apparatus between a transmitting terminal and a receiving terminal cases wherein the receiving terminal malfunctions right after receiving the tail end data from the transmitting terminal and hence the transmitting terminal has completed transmission but the receiving terminal has not completed reception are prevented. A communication apparatus is provided with a means for not sending an ACK response when receiving a data packet in a state wherein no transmitting data waiting for an ACK or receiving data waiting to be aligned exists within a proxy apparatus and sending when receiving a data packet in a state wherein transmitting data waiting for an ACK or receiving data waiting to be aligned exists within the proxy apparatus an ACK response for a data packet received one time previously and sending an ordinary ACK response at a timing when an ACK is received from the receiving terminal side and the proxy apparatus becomes a state wherein no more transmitting data waiting for an ACK or receiving data waiting to be aligned exists therein.

No. of Pages : 159 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/01/2013

(21) Application No.656/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : INFLUENZA VACCINE

(51) International classification :A61K39/39,A61K39/145,A61P31/16
(31) Priority Document No :61/366983
(32) Priority Date :23/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/SE2011/050968
Filing Date :25/07/2011
(87) International Publication No :WO 2012/011868
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
The present invention relates to a composition comprising at least one ISCOM complex and at least one ectodomain from at least one hemagglutinin (HA) domain and at least one ectodomain from at least one neuraminidase (NA) domain from one or more influenza virus wherein the extodomains represent ectodomains isolated from the influenza virus. The invention also regards a kit. The composition may be used as an immune stimulating medicine immune modulating pharmaceutical or a vaccine e.g. against influenza for vertebrates e.g. birds and mammals.

No. of Pages : 35 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.695/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ROAD SAFETY BARRIER

(51) International classification :E01F15/06
(31) Priority Document No :1011265.4
(32) Priority Date :05/07/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/000977
Filing Date :29/06/2011
(87) International Publication No :WO 2012/004551
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**3)WELLS Steve**

(57) Abstract :
A retainer (10a 10b 10c) for a wire rope road safety barrier comprising a plurality of posts (14) is provided for supporting one or more wire ropes (12) above the ground. The retainer comprises an arm (16a 16b) for embracing at least half of a circumference of the post whereby the retainer can be held on the post at a position along its length. The retainer also comprises a frangible or yieldable tab (18) extending from the arm for retaining the wire rope against the post.

No. of Pages : 15 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.707/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MODULAR IN LINE FLUID REGULATORS

(51) International classification :G05D16/06,G05D16/10
(31) Priority Document No :12/835580
(32) Priority Date :13/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/040906
Filing Date :17/06/2011
(87) International Publication No :WO 2012/009101
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)PATTERSON Daryll Duane**
**2)JABLONSKI Jason Dirk**

(57) Abstract :
Modular in line fluid regulators are described. An example fluid regulator apparatus includes a fluid regulator comprising a body defining a fluid inlet port and a fluid outlet. The fluid inlet port is configured to interchangeably receive a coupling associated with one stage fluid regulation or a modular in line fluid regulator associated with two stage fluid regulation. The modular in line fluid regulator is configured to be positioned substantially within the fluid inlet port to change the fluid regulator apparatus from a one stage fluid regulator to a two stage fluid regulator. The fluid regulator apparatus includes a diaphragm operatively coupled to a valve assembly to control a flow of fluid through the valve assembly based on a pressure of the fluid outlet.

No. of Pages : 14 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.744/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HETEROARYLPIPERIDINE AND PIPERAZINE DERIVATIVES AS FUNGICIDES

(51) International classification :C07D417/14
(31) Priority Document No :10172486.2
(32) Priority Date :11/08/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/063783
Filing Date :10/08/2011
(87) International Publication No :WO 2012/020060
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**3)HOFFMANN Sebastian**
**4)CRISTAU Pierre**
**5)SEITZ Thomas**
**6)KLUTH Joachim**
**7)BENTING J¼rgen**
**8)WACHENDORFF NEUMANN Ulrike**

(57) Abstract :
Heteroarylpiperidine and -piperazine derivatives of the formula (I), in which the Symbols A, X, Y, L1, L2, G, Q, p, R1, R2 and R10 have the definitions indicated in the description, and also salts, metal complexes and N-oxides of the Compounds of the formula (I), and the use thereof for Controlling phytopathogenic fungi, and also processes for preparing Compounds of the formula (I).

No. of Pages : 143 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.705/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SMART AC PANEL

(51) International classification :G05B15/02
(31) Priority Document No :61/376269
(32) Priority Date :24/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2011/002922
Filing Date :24/08/2011
(87) International Publication No :WO 2012/035442
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
Smart AC Panel replaces the existing AC Panel in a home. It not only includes existing AC Panel function such as bus bar and circuit breakers but also current sensor voltage sensing circuitry and relay devices to help control and monitor power associated with each branch circuit. The current sensor voltage sensing circuitry interfaces to an embedded controller. Various embedded controllers are connected through CAN serial communication to a supervisory embedded controller which in turn has internet connectivity.

No. of Pages : 10 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.717/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MULTI CHAMBERED RETRACTABLE SAFETY SYRINGE

(51) International classification :A61M5/19
(31) Priority Document No :12/842885
(32) Priority Date :23/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/045117
Filing Date :22/07/2011
(87) International Publication No :WO 2012/012784
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)THAYER Daniel**
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**4)BARE Rex O.**

(57) Abstract :
A retractable safety syringe may have a needle needle holder syringe body and a plunger assembly. A proximal portion of the body and a piston of the plunger may define a vacuum chamber. The plunger assembly may comprise a distal piston and a proximal piston with an intermediate chamber disposed between the two plungers. A vent through the syringe body pneumatically connects ambient air and the intermediate chamber allowing air to escape out of the intermediate chamber when a plunger assembly traversed toward the engaged position and allow air to be introduced into the intermediate chamber. A retraction force may be created by the vacuum chamber by traversing the plunger assembly to the engaged position. At the engaged position the distal piston may engage the needle holder and the retraction force may retract the needle holder and needle into the syringe body to prevent accidental needle pricking and needle reuse.

No. of Pages : 26 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.742/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SPECTACLES FRAME WITH TELESCOPIC HINGES AND OFFSET SPRING

(51) International classification :G02C5/22,G02C5/20
(31) Priority Document No :1002908
(32) Priority Date :09/07/2010
(33) Name of priority country :France
(86) International Application No :PCT/EP2011/061701
Filing Date :08/07/2011
(87) International Publication No :WO 2012/004405
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**4)DELAMOUR Dominique**
(72)**Name of Inventor :**
**1)CHENE Richard**
**2)MIKLITARIAN Alain**
**3)RODI Olivier**
**4)DELAMOUR Dominique**

(57) Abstract :
The frame comprises a front face extended by two latral studs and two sides (2, 15) which are articulated on the studs about hinge pins of two telescopic hinges (20) each, to a front face lment (21), secured to a stud, and a side lment (22) secured to a side (15), the side lment (22) of a hinge comprising a slider (23) articulated to the front face lment (21) and o slideably mounted in a sleeve (25) against and under the action of a spring (26). The slider (23) extends as far as the free end (28) of the side (15) forming the said sleeve (25), a sleeve tube (30), fixed to the end (29) of the slider (23), being slideably mounted in the end (28) of the side into which the said spring (26) likewise extends in order to interact with the sleeve tube (30).

No. of Pages : 11 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.753/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : VENTED BLOOD SAMPLING DEVICE

(51) International classification :A61B5/15,A61B5/153,A61M39/00
(31) Priority Document No :61/364455
(32) Priority Date :15/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/043682
Filing Date :12/07/2011
(87) International Publication No :WO 2012/009338
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)BURKHOLZ Jonathan Karl**

(57) Abstract :
An extravascular system is disclosed. The system includes a body a septum a septum activator and a blood sampling device. The body has and inner lumen extending therethrough. The septum is disposed within the inner lumen. The septum activator is disposed within the inner lumen proximal the septum. The septum activator has an inner passage extending therethrough. The blood sampling device has a tube that is longer than a length of the septum activator and has a width less than or equal to a width of the inner passage of the septum activator. An interior of the tube is in fluid communication with a reservoir within the blood sampling device. A vent is in fluid communication with the reservoir. The vent passes air but not blood therethrough.

No. of Pages : 24 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.676/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : IMAGE PROCESSING APPARATUS AND METHOD AND PROGRAM

(51) International classification :H04N13/02,G03B35/18
(31) Priority Document No :2010172503
(32) Priority Date :30/07/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/004318
Filing Date :29/07/2011
(87) International Publication No :WO 2012/014494
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)HAYASHI Tsuneo**

(57) Abstract :
A method, system, and computer-readable storage medium for processing images. In an exemplary embodiment, the system receives an image signal comprising a left-image signal representing a left image and a right-image signal representing a right image. The system generates a sum signal by combining the left-image signal and the right-image signal. The system also displays a sum image corresponding to the sum signal, where the displayed image includes a convergence point and a focus point.

No. of Pages : 43 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.689/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : LECITHIN CARRIER VESICLES AND METHODS OF MAKING THE SAME

(51) International classification :A61K9/133,A61K9/127,A61K47/48
(31) Priority Document No :61/357959
(32) Priority Date :23/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/001124
Filing Date :23/06/2011
(87) International Publication No :WO 2011/162818
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)BRIGHTSIDE INNOVATIONS INC.**
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(72)**Name of Inventor :**
**1)ELEY Crispin G.S.**
**2)HODGSON Donald F.**

(57) Abstract :
A hydrated lecithin carrier vesicle composition includes a lecithin derived membrane forming lipid vesicle in conditioned water for incorporation of an active ingredient to form a dispersed composition. A method of making the hydrated lecithin carrier vesicle includes using lecithin having not more than about 80% w/w phosphatidylcholine in the presence of conditioned water.

No. of Pages : 45 No. of Claims : 63

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.715/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : INJECTION DEVICE

(51) International classification :F01N3/20
(31) Priority Document No :10 2010 039 048.8
(32) Priority Date :09/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/062253
Filing Date :18/07/2011
(87) International Publication No :WO 2012/019873
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)RODRIGUEZ AMAYA Nestor**
**2)DOEHRING Jochen**
**3)HANNEKE Juergen**
**4)NENTWIG Godehard**

(57) Abstract :
The invention relates to an injection device (2), in particular for injecting fluicfinto an exhaust tract of an internal combustion engine, having a valve unit which comprises a valve needle (6), an injection chamber (38) having at least one injection opening (8), and a control chamber (36), wherein the injection device (2) is designed so that a pressure differential between the injection chamber (38) and the control chamber (36) brings about a displacement of the valve needle (6) between an open position in which the valve needle (6) releases a fS fluid flow through the injection opening (8), and a closed position in which the valve needle (6) closes off the injection opening (8). The injection device (2) also has a pump unit integrated in the injection device (2). The pump unit is designed so as to draw in fluid from the fluid inlet (32) during operation and to provide said fluid to the valve unit under increased pressure.

No. of Pages : 17 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.741/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : GLASS SUBSTRATE WITH INTERFERENCE COLOURATION FOR A FACING PANEL

(51) International classification :C03C17/36
(31) Priority Document No :be 2010/470
(32) Priority Date :29/07/2010
(33) Name of priority country :Belgium
(86) International Application No :PCT/EP2011/063135
Filing Date :29/07/2011
(87) International Publication No :WO 2012/013796
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)MOENS Vincent**
**2)MAHIEU Stijn**

(57) Abstract :
The invention relates to a glass substrate with interference colouration for a facing panel comprising a glass sheet covered on one of the faces thereof by a stack of coatings including successively at least: a first transparent coating made from a dielectric material having an optical thickness at least greater than or equal to 5 nm and at most less than or equal to 258 nm; a semi transparent functional coating having a geometric thickness at least greater than or equal to 0.1 nm and at most less than or equal to 50 nm; a second transparent coating made from a dielectric material and having an optical thickness at least greater than or equal to 20 nm and at most less than or equal to 300 nm; and a coating providing opacity or quasi opacity and having a geometric thickness at least greater than or equal to 30 nm.

No. of Pages : 116 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.754/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HEADLIGHT FOR A TWO WHEELED VEHICLE

(51) International classification :B62J6/02,B60Q1/12
(31) Priority Document No :1056641
(32) Priority Date :18/08/2010
(33) Name of priority country :France
(86) International Application No :PCT/EP2011/063739
Filing Date :10/08/2011
(87) International Publication No :WO 2012/022658
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)HAEST Benedictus**

(57) Abstract :
The invention relates to a headlight (100) for a two-wheeled vehicle (1), including at least one light source combined with at least one reflector for reflecting the light from the light source in the traveling direction of the vehicle (el), characterized in that the headlight has a rotational axis about which it can pivot, said axis extending, when the headlight is in a rfrence position corresponding to a position in which the vehicle is substantially vertical and not inclined, in a substantially mdian and vertical longitudinal plane (el, e3) of the headlight, the rotational axis further being inclined relative to the vertical direction.

No. of Pages : 17 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.681/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PROCESS FOR RESTORING CATALYST ACTIVITY

(51) International classification :B01J23/96,B01J38/20,C07C209/36
(31) Priority Document No :10 2010 038 680.4
(32) Priority Date :30/07/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/062832
Filing Date :26/07/2011
(87) International Publication No :WO 2012/013677
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)MERKEL Michael**
**2)KNAUF Thomas**
**3)WILKE Karl Heinz**

(57) Abstract :
The present invention relates to a process for restoring the activity of spent catalysts for the hydrogenation of aromatic nitro compounds, in which a regeneration comprising at least a first burning off stage, a first washing stage, a secondburning off stage and a second washing stage is carried out at periodic intervals.

No. of Pages : 18 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.694/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : 4 ALKYLRESORCINOL DERIVATIVE AND EXTERNAL PREPARATION FOR SKIN CONTAINING SAME

(51) International classification :C07F9/12,A61K8/55,A61K31/683
(31) Priority Document No :2010161274
(32) Priority Date :16/07/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/062575
Filing Date :01/06/2011
(87) International Publication No :WO 2012/008231
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)FUKUNISHI Hirotada**
**2)SUZUKI Rikako**
**3)SATO Kiyoshi**
**4)SUETSUGU Masaru**

(57) Abstract :
Provided i s a compound having a good skin lightening effect and excellent safety and stability, and an external agent for skin t o which this compound i s added. The compound i s a 4-alkylresorcinol derivative represented b y general formula (I) or a salt thereof. (In the formula, R i i s a branched or cyclic alkyl group or a linear C 2 alkyl group, R 2 and are each independently a hydrogen atom or group represented b y -P(0)(OR )(OR 5) and at least one o f R 2 and i s a group represented b y -P(0)(OR4)(ORs), and and R 5 are each independently a hydrogen atom or linear or branched C 2 alkyl group.)

No. of Pages : 29 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.743/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : BUFFER LAYER FORMATION

(51) International classification :C23C14/06,C23C14/24,H01L31/032
(31) Priority Document No :61/367121
(32) Priority Date :23/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/044984
Filing Date :22/07/2011
(87) International Publication No :WO 2012/012700
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)BECK Markus E.**

(57) Abstract :
Manufacturing a photovoltaic device can include a vapor transport deposition process.

No. of Pages : 26 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.755/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD AND APPARATUS FOR A SANITIZABLE MIXING NOZZLE

(51) International classification :B67D7/74
(31) Priority Document No :12/806545
(32) Priority Date :16/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/001428
Filing Date :15/08/2011
(87) International Publication No :WO 2012/023969
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**3)SMELLER Donald W.**

(57) Abstract :
A mixer assembly includes a mixer body and a mixer cover coupled to the mixer body. The mixer body includes an inner wall defining a mixing chamber having an inlet and an outlet. The inner wall includes a plurality of protrusions disposed on top of the inner wall that form a plurality of passes therebetween. The mixer body further includes a shell disposed around the inner wall that forms a diluent chamber between the inner wall and the shell. Diluent entering the diluent chamber flows through the plurality of passes and into the mixing chamber for mixing with product entering from the inlet of the mixing chamber. Mixed product exits the mixer body from the outlet of the mixing chamber. The mixer cover includes an angled shelf that closes out the diluent chamber and extends over the plurality of passes such that diluent entering the diluent chamber moves through the plurality of passes along the angled shelf and into the mixing chamber.

No. of Pages : 24 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.767/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PROCESS FOR PURIFYING PROTEINS

(51) International classification :C07K1/30,C07K16/24,C07K14/245
(31) Priority Document No :1012599.5
(32) Priority Date :27/07/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/001129
Filing Date :27/07/2011
(87) International Publication No :WO 2012/013930
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)UCB PHARMA S.A.**
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(72)**Name of Inventor :**
**1)WILD Gavin Barry**

(57) Abstract :
The present invention provides method for purifying a recombinant protein from a gram negative bacterial host cell sample or extract thereof wherein said host cell expresses a recombinant protein and a recombinant disulphide isomerase DsbC; comprising: a. adjusting the pH of the host cell sample or extract thereof to a pH of 5 or less to precipitate the recombinant disulphide isomerase; and b. separating precipitated recombinant disulphide isomerase DsbC from the recombinant protein to produce a recombinant protein sample.

No. of Pages : 71 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.779/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : COMPOSITION COMPRISING CALCIUM PHOSPHATE AND SULFATE POWDERS AND TRI CALCIUM PHOSPHATE PARTICLES USED IN THE TREATMENT OF DEGENERATIVE BONE CONDITIONS

(51) International classification :A61L24/00,A61L24/02,A61L27/12
(31) Priority Document No :61/361177
(32) Priority Date :02/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/042607
Filing Date :30/06/2011
(87) International Publication No :WO 2012/003326
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)HOWE James**
**3)SWAIM Rick**
**4)HUBER Bryan**
**5)BATTS Joel**
**6)HARNESS David**
**7)BELANEY Ryan**

(57) Abstract :
Methods and articles of manufacture for treating patients with degenerative bone are provided. The methods are useful to improve bone quality in a localized area of a degenerative bone (e.g. osteopenic or osteoporotic bone) such as by improving BMD to be substantially similar to BMD in an average healthy individual at the age of peak BMD. The methods can comprise forming a void in a localized area of the degenerative bone and filling the void with a bone regenerative material that causes generation of new healthy natural bone material. The articles of manufacture can comprise kits formed of various materials useful in the inventive methods for improving bone quality.

No. of Pages : 101 No. of Claims : 59

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.708/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MOTOR DRIVEN SURGICAL FASTENER DEVICE WITH CUTTING MEMBER LOCKOUT ARRANGEMENTS

(51) International classification :A61B17/072,A61B17/295,A61B17/00
(31) Priority Document No :12/846228
(32) Priority Date :29/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/045311
Filing Date :26/07/2011
(87) International Publication No :WO 2012/015794
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)SMITH Bret W.**
**3)SCHWEMBERGER Richard F.**
**4)ABBOTT Daniel J.**
**5)LAURENT Ryan J.**
**6)YATES David C.**
**7)SHELTON Frederick E. IV**
**8)BOUDREAUX Chad P.**

(57) Abstract :
A surgical fastener apparatus having a handle an elongated shaft having a proximal end attached to the handle and a distal end extending therefrom. An end effector including a pair of jaws pivoted at a proximal end thereof and movable between an open and closed position. A cartridge containing a plurality of surgical fasteners the cartridge attached to the end effector. An electrically powered actuator for deploying the surgical fasteners the actuator having a power source and a motor. A first trigger attached to the handle for moving the end effector from the open to the closed position and a second trigger attached to the handle for activating the actuator. A first lockout mechanism for preventing current from flowing from the power source to the motor unless the end effector is in its closed position a second lockout mechanism having a locked and unlocked position the second lockout mechanism for preventing movement of the second trigger until the second lockout mechanism is moved to the unlocked position.

No. of Pages : 71 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.720/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : COMPOSITION CONTAINING A MULTIVALENT CATIONIC METAL AND AMINE CONTAINING ANTI STATIC AGENT AND METHODS OF MAKING AND USING

(51) International classification :D21C9/00,D21H15/04
(31) Priority Document No :61/365823
(32) Priority Date :20/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/044332
Filing Date :18/07/2011
(87) International Publication No :WO 2012/012316
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)FROASS Peter M.**
**3)CARRIERE Slyvie Marie Rita**

(57) Abstract :
A fluff pulp or other pulp, comprises a multivalent cationic metal ion selected from the group consisting of Al+3, B+3, Mn+2, Cu+2, Cu+3, Zn+2, Sn+2, Sn+4, water-soluble salt thereof, or combination thereof; an amine-containing anti- static agent; and pulp. Methods of making and using the pulp, as well as articles therefrom, are provided.

No. of Pages : 50 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.733/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : AN IN MOULD LABELLED CONTAINER

(51) International classification :B29C45/14,B29C45/00,B65D85/804
(31) Priority Document No :10173498.6
(32) Priority Date :20/08/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/063859
Filing Date :11/08/2011
(87) International Publication No :WO 2012/022672
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)FABOZZI Thierry Jean Robert**
**2)HENTZEL Stphane**

(57) Abstract :
The present invention concerns an injection molded capsule for use in a food preparation machine said capsule for use in a food preparation machine comprising: (i) a structure (1) with a lower side (2) at least three pillars (3) extending from the lower side and linked to a circular upper frame (4) which defines the surroundings of the capsule top side the pillars (3) having cross sections S1 S2 and S3 the lower side (2) being a solid wall that comprises a dispensing opening (5) and is centered across the vertical symmetry axis VSA of said capsule and (ii) a label (6) attached to the outer surface of the lower side (2) pillars (3) and upper circular frame (4) thus forming an envelope that defines capsule side walls characterized in that the injection point IP of the capsule is off centered in the vicinity of said dispensing opening (5) opposed the pillar (3) having a cross section S3 relatively to the axis VSA and in that S1=S2 and S3>S1.

No. of Pages : 17 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.781/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : BROADBAND ANTENNA AND RADIO BASE STATION SYSTEM FOR PROCESSING AT LEAST TWO FREQUENCY BANDS OR RADIO STANDARDS IN A RADIO COMMUNICATIONS SYSTEM

(51) International classification :H01Q1/24,H01Q3/30,H01Q5/00
(31) Priority Document No :201010246605.0
(32) Priority Date :04/08/2010
(33) Name of priority country :China
(86) International Application No :PCT/EP2011/063191
Filing Date :01/08/2011
(87) International Publication No :WO 2012/016941
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)GOLDBERG Martin**
**3)GUHA Elmar**
**4)HAUBRICH Andree**
**5)HEINZ Helmut**
**6)SAUKKONEN Risto Kaarlo**

(57) Abstract :
The present invention refers to a broadband antenna configured for processing at least two frequency bands or radio standards in a radio communications system the broadband antenna comprising at least one column the column comprising at least one antenna element a first phase shifter configured for phase shifting a first frequency band or radio standard and a second phase shifter configured for phase shifting a second frequency band or radio standard and a diplexer configured for diplexing the phase shifted first and second frequency bands or radio standards comprising two inputs and one output with the first phase shifter and the second phase shifter being coupled to the two inputs and the antenna element being coupled to the output. The invention further refers to a radio base station system comprising a broadband antenna according to the invention.

No. of Pages : 17 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2013

(21) Application No.1847/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A HIGH STRENGTH CHITIN COMPOSITE MATERIAL AND METHOD OF MAKING

(51) International classification :A61L27/20,A61L27/22,A61L27/56
(31) Priority Document No :61/378056
(32) Priority Date :30/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/049702
Filing Date :30/08/2011
(87) International Publication No :WO 2012/030805
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)FERNANDEZ Javier Gomez**

(57) Abstract :
The present invention is directed to a composite laminar material with high mechanical strength and methods of fabricating the material. The invention also provides a method of attaching a medical implant device to tissue.

No. of Pages : 88 No. of Claims : 101

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/01/2013

(21) Application No.646/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ELECTRICALLY RECHARGEABLE METAL AIR BATTERY SYSTEMS AND METHODS

(51) International classification :H01M12/06
(31) Priority Document No :12/841115
(32) Priority Date :21/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/044715
Filing Date :20/07/2011
(87) International Publication No :WO 2012/012558
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)JOHNSON Lois**
**3)BINDER Michael**
**4)KUNZ Michael**
**5)BLACK Phillip J.**
**6)OSTER Michael**
**7)SHARP GOLDMAN Stefanie**
**8)CHCIUK Tesia**
**9)JOHNSON Regan**

(57) Abstract :
The invention provides for a fully electrically rechargeable metal air battery systems and methods of achieving such systems. A rechargeable metal air batten cell may comprise a metal electrode an air electrode and an aqueous electrolyte separating the metal electrode and the air electrode. In some embodiments the metal electrode may directly contact the electrolyte and no separator or porous membrane need be provided between the air electrode and the electrolyte. Rechargeable metal air battery cells may be electrically connected to one another through a centrode connection between a metal electrode of a first battery cell and an air electrode of a second battery cell. Air tunnels may be provided between individual metal air battery cells in some embodiments an electrolyte flow management system may be provided.

No. of Pages : 70 No. of Claims : 65

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.721/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PROCESS FOR PRODUCING A BIOCRUDE EMPLOYING MICROALGAE

(51) International classification :C12P7/64,C12P39/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/ES2010/070423
Filing Date :23/06/2010
(87) International Publication No :WO 2011/161273
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)STRO AZZO MOUGIN Bernard A.J.**

(57) Abstract :
This invention refers to a procedure for obtaining a biocrude from greenhouse gases, a procedure which is advantageous industrially and continuous. By means of said procedure it is possible to capture, convert and revalue C02, among other greenhouse gases, in an efficient manner, in such a way that a net negative balance is obtained, which in other words means that with this procedure it is possible to capture more C02 than is generated which makes it beneficial and sustainable for the environment.

No. of Pages : 35 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.758/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD AND APPARATUS FOR VIRTUAL IN CIRCUIT EMULATION

(51) International classification :G01R31/3185
(31) Priority Document No :12/827556
(32) Priority Date :30/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/040420
Filing Date :15/06/2011
(87) International Publication No :WO 2012/005895
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)GOYAL Suresh**
**2)PORTOLAN Michele**
**3)VAN TREUREN Bradford**

(57) Abstract :
A virtual In Circuit Emulation (ICE) capability is provided herein for supporting testing of Joint Test Action Group (JTAG) hardware. A Virtual ICE Driver is configured for enabling any debug software to interface with target hardware in a flexible and scalable manner. The Virtual ICE Driver is configured such that the test instruction set used with the Virtual ICE Driver is not required to compute vectors as the JTAG operations are expressed as local native instructions on scan segments thereby enabling ICE resources to be accessed directly. The Virtual ICE Driver is configured such that ICE may be combined with instrument based JTAG approaches (e.g. the IEEE P1687 standard and other suitable approaches). The Virtual ICE Driver is configured for receiving a plurality of scan segment operations generated by a plurality of target ICE controllers of at least one ICE host scheduling the received scan segment operations based at least in part on a scan chain of the target hardware to form thereby a scheduled set of scan segment operations and providing the scheduled set of scan segment operations to a processor configured for executing the scheduled set of scan segment operations for testing the target hardware.

No. of Pages : 135 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.783/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : BRAKE SHOE FOR A DRUM BRAKE

(51) International classification :F16D65/08,F16D69/04,F16D51/00
(31) Priority Document No :2010/04568
(32) Priority Date :29/06/2010
(33) Name of priority country :South Africa
(86) International Application No :PCT/IB2011/052858
Filing Date :29/06/2011
(87) International Publication No :WO 2012/001638
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)CANTARELLI Attiglio**

(57) Abstract :
A brake shoe for a drum brake (10) has: a generally arcuate spine (12) defining an arc plane and having attachment means (14 16) for attaching the brake shoe (10) to a backing plate (18) of the brake drum (20); at least one carrier (14 16) attached to the spine (12) and adapted to receive an element of a frictional braking material (42) inserted transversely with respect to the arc plane of the spine (12); and locking means (40) for releasably locking the frictional element (42) in place on the at least one carrier (14 16) the locking means (40) being accessible for actuation from a position lateral with respect to arc plane of the spine (12) thereby permitting the removal and replacement of the frictional element from its respective carrier (14 16) from a lateral position with respect to the spine.

No. of Pages : 15 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.768/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A FISCHER TROPSCH SYNTHESIS PROCESS AND SYSTEM

(51) International classification :C10G2/00,C07C1/04
(31) Priority Document No :201010228831.6
(32) Priority Date :09/07/2010
(33) Name of priority country :China
(86) International Application No :PCT/CN2011/077008
Filing Date :08/07/2011
(87) International Publication No :WO 2012/003806
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**3)GONG Lei**
**4)LIN Quan**
**5)LV Yijun**
**6)BU Yifeng**
**7)WANG Hongxue**

(57) Abstract :
The present invention relates to a Fischer Tropsch synthesis process and system. The process comprises: a) introducing a feed gas containing CO and H2 into the first stage of a Fischer Tropsch synthesis reactor for carrying out the Fischer Tropsch synthesis so as to obtain the first stage reaction products of the Fischer Tropsch synthesis; b) separating the first stage reaction products of the Fischer Tropsch synthesis so as to separate water from unconverted tail gas and to obtain hydrocarbon products and the unconverted tail gas from the first stage of the Fischer Tropsch synthesis reaction; c) introducing the unconverted tail gas obtained in step b) into the second stage of the Fischer Tropsch synthesis reactor for carrying out the Fischer Tropsch synthesis so as to obtain the second stage reaction products of the Fischer Tropsch synthesis; and d) separating the second stage reaction products of the Fischer Tropsch synthesis so as to separate water from unconverted tail gas and to obtain hydrocarbon products and the second stage unconverted tail gas of the Fischer Tropsch synthesis reaction with a portion of the second stage unconverted tail gas of the Fischer Tropsch synthesis reaction being recycled to the second stage of the Fischer Tropsch synthesis reactor for recirculated reaction therein. The process and system of the present invention have a simplified processing flow and are suitable for large scale industrialized production.

No. of Pages : 43 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.780/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ELECTRICAL CONNECTORS AND PRINTED CIRCUITS HAVING BROADSIDE COUPLING REGIONS

(51) International classification :H01R13/6469,H01R107/00
(31) Priority Document No :12/849593
(32) Priority Date :03/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/001341
Filing Date :29/07/2011
(87) International Publication No :WO 2012/018378
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)BOPP Steven Richard**
**2)NAY Neil Ktul**

(57) Abstract :
An electrical connector (100) that includes a circuit board (124) having a board substrate (125) that has opposite board surfaces (202 204) and a thickness (T)measured along an orientation axis (192) that extends between the opposite board surfaces. The circuit board has associated pairs of input and output terminals (220 222) and signal traces (231 238) that electrically connect the associated pairs of input and output terminals. The input and output terminals being configured to communicatively coupled to mating and cable conductors (116 130) respectively. Each associated pair of input and output terminals is electrically connected through a corresponding signal trace that has a conductive path extending along the board substrate between the corresponding input and output terminals. At least two signal traces (235 236) form a broadside coupling region (250) in which the conductive paths of the at least two signal traces are stacked along the orientation axis and spaced apart through the thickness and extend parallel to each other for a crosstalk reducing distance (DCRT1).

No. of Pages : 41 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.803/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : EXHAUST GAS TURBOCHARGER COMPONENT

(51) International classification :F02B39/00,F02B39/16,F01D25/00
(31) Priority Document No :102010035486.4
(32) Priority Date :26/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/US2011/048245
Filing Date :18/08/2011
(87) International Publication No :WO 2012/027197
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)SCHEUERMANN Timo**
**2)EBERT Stefan**

(57) Abstract :
The invention relates to an exhaust gas turbocharger component (10) having at least one flow conducting component surface (11) and having a discontinuity structure (12) which is formed on the component surface (11) wherein the discontinuity structure (12) has a multiplicity of punctiform depressions (13) which are arranged separately from one another on at least one part of the component surface (11).

No. of Pages : 13 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.816/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HEATING CARTRIDGE AND THERMOSTATIC ELEMENT COMPRISING SUCH A CARTRIDGE

(51) International classification :H05B3/44
(31) Priority Document No :10 56241
(32) Priority Date :29/07/2010
(33) Name of priority country :France
(86) International Application No :PCT/FR2011/051797
Filing Date :26/07/2011
(87) International Publication No :WO 2012/013896
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)MAS Ren**
**2)MADOUX Lo¯c**

(57) Abstract :
The heating cartridge (C1) according to the invention includes: a tube (33) that is both thermally and electrically conductive a first end portion (33i) of which is to be embedded within a heat expandable material (32) of a thermostatic element (30); an electrically conductive rod (35) that at least partially extends inside the tube in a substantially coaxial manner; and a heating resistor (34) including a tubular body consisting of an electrically resistant material said body being radially positioned between a first end portion (35i) of the rod and the first end portion of the tube while simultaneously forming a cylindrical electrical contact interface between the rod and the inner surface of the tubular body and a cylindrical electrical contact interface between the tube and the outer surface of the tubular body. The tube and the rod each include opposite the first end portion thereof second end portions (332 352) that are to be connected to the poles of an external current source respectively so as to apply an electric voltage between the inner and outer surfaces of the tubular body of the heating resistor.

No. of Pages : 26 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.738/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : RAPIDLY DEPLOYABLE FLEXIBLE ROBOTIC INSTRUMENTATION

(51) International classification :A61B1/01
(31) Priority Document No :61/368193
(32) Priority Date :27/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/045357
Filing Date :26/07/2011
(87) International Publication No :WO 2012/015816
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)SIMAAN Nabil**
**3)SUH Lara K.**
**4)BENSON Mitchell C.**

(57) Abstract :
A robotic system and method are provided. The robotic system includes a continuum robot an actuation unit and a flexible positioning shaft. The continuum robot is configured to perform minimally invasive diagnostic surgical or therapeutic techniques and includes at least one continuum segment including a plurality of backbones. The continuum segment carries at least one diagnostic surgical or therapeutic instrument in a flexible instrumentation housing that has a plurality of instrumentation channels. The actuation unit is configured to actuate the continuum robot by providing linear actuation to each of the plurality of backbones and includes force sensors for measuring actuation forces. The flexible positioning shaft is configured to direct a position and orientation of the continuum robot and to couple the actuation unit to the continuum robot.

No. of Pages : 35 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.750/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HUMANIZED ANTIBODIES TARGETING THE EC1 DOMAIN OF CADHERIN 11 AND RELATED COMPOSITIONS AND METHODS

| | |
|---|---|
| (51) International classification | :A61K38/17,C07K16/28,C07K16/46 |
| (31) Priority Document No | :61/364698 |
| (32) Priority Date | :15/07/2010 |
| (33) Name of priority country | :U.S.A. |
| (86) International Application No<br>Filing Date | :PCT/US2011/044172<br>:15/07/2011 |
| (87) International Publication No | :WO 2012/009631 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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(57) Abstract :
The present invention relates to humanized antibodies that specifically bind an EC1 domain of a mammalian Cadherin 11 protein and compositions (e.g. pharmaceutical compositions) comprising such antibodies. The invention also relates to methods for treating Cadherin 11 mediated disorders in a mammalian subject by administering a therapeutically effective amount of a humanized antibody of the invention. Cadherin 11 mediated disorders suitable for treatment by the methods of the invention include inflammatory disorders (e.g. inflammatory joint disorders such as rheumatoid arthritis) fibrosis and cancer.

No. of Pages : 188 No. of Claims : 63

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.775/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : LIGHT SOURCE MODULATION FOR PROJECTION

(51) International classification :H04N9/31
(31) Priority Document No :12/854919
(32) Priority Date :12/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/047163
Filing Date :10/08/2011
(87) International Publication No :WO 2012/021567
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)COREY Richard P.**
**3)BELLINGER Allen Devenport**

(57) Abstract :
A color projection display in which at least one color channel includes: a light source assembly including a multiplicity of pulse modulated light sources providing an aggregate light beam; a light modulation control subsystem; illumination optics to direct the aggregate light beam to an image modulation plane; and a spatial light modulator in the image modulation plane. The light modulation control subsystem senses an aggregate light intensity signal for the aggregate light beam and controls the pulse modulation parameters for the multiplicity of pulse modulated light sources responsive to the sensed aggregate light intensity signal to reduce light intensity fluctuations in the aggregate light beam within the imaging time interval.

No. of Pages : 69 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.822/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD DEVICE AND NETWORK FOR AUTHENTICATING THE POSITION OF A NAVIGATION RECEIVER

(51) International classification :G01S19/21,G01S19/03
(31) Priority Document No :10 02750
(32) Priority Date :30/06/2010
(33) Name of priority country :France
(86) International Application No :PCT/EP2011/003435
Filing Date :30/06/2011
(87) International Publication No :WO 2012/003998
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)PUJANTE CUADRUPANI Antonio**

(57) Abstract :
This document describes a method of processing data which consists in detecting and storing in a device the stream of navigation messages and the physical parameters of the signals received in a receiver originating from the satellite-based or terrestrial navigation systems and its comparison with the original data transmitted by the navigation system with respect to a time reference common for all the signals. The stream recorded generates a signature which is unique for each instant and each position over the whole service area (Earth or other planet or celestial body). The result of the processing of the data for a particular point of the Earth serves to validate and authenticate the position and the time reference that are delivered by the navigation receiver as well as the quality and authenticity of the signal received.

No. of Pages : 29 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.746/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : GAMING POINT EXCHANGE SYSTEM AND METHOD

(51) International classification :G06Q30/00,G06Q50/00
(31) Priority Document No :12/823840
(32) Priority Date :25/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/053924
Filing Date :25/10/2010
(87) International Publication No :WO 2011/162785
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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(57) Abstract :
A gaming system a gaming market and a method is disclosed. The gaming system may include two or more games to be played by one or more players. Each game may be configured to enumerate a number of points earned through play of the respective two or more games. The system may also include two or more exchangeable gaming currencies. Each gaming currency may be convertible to and convertible from universal points using respective two or more conversion factors. The two or more exchangeable gaming currencies may be at least two of: the points earned through play of a first of the two or more games the points earned through play of a second of the two or more games and commonly recognized monetary units.

No. of Pages : 20 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.770/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : RUBBER BLEND

(51) International classification :C08L7/00,C08L9/00,C08K3/04
(31) Priority Document No :10168646.7
(32) Priority Date :07/07/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/060619
Filing Date :24/06/2011
(87) International Publication No :WO 2012/004140
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)WEBER Christian**

(57) Abstract :
The invention relates to a rubber blend in particular for vehicle tyres and various types of belts and hoses. Said rubber blend is characterised by the following composition: 95 to 100 phr of at least one natural or synthetic polyisoprene; 41 to 50 phr of at least one carbon black; 3 to 15 phr of at least one process oil; 3 to 15 phr of at least one silicic acid; 1 to 7 phr of at least one adhesive resin and; other additives.

No. of Pages : 17 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.782/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PROCESS FOR PREPARING PSEUDOIONONE

| | |
|---|---|
| (51) International classification | :C07C45/74,C07C49/203,B01J23/10 |
| (31) Priority Document No | :10170332.0 |
| (32) Priority Date | :21/07/2010 |
| (33) Name of priority country | :EPO |
| (86) International Application No<br>Filing Date | :PCT/EP2011/062299<br>:19/07/2011 |
| (87) International Publication No | :WO 2012/022562 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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**3)RUSSBLDT Bernhard Markus Ernst**
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**5)BONRATH Werner**
**6)KARGE Reinhard**
**7)SCHTZ Jan**

(57) Abstract :
pure lanthanum oxide which is obtained by calcination of oxygen-containing lanthanum salts at temperatures of at least 700°C as heterogeneous catalyst in the aldol condensation of citral and acetone to give pseudoionone, and process for the preparation of pseudoionone by aldol condensation of citral and acetone in the liquid phase using pure lanthanum oxide.

No. of Pages : 21 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.819/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A DALI CONTROLLER

(51) International classification :H05B37/00,H05B39/00,H04L12/00
(31) Priority Document No :2010903014
(32) Priority Date :07/07/2010
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2011/000855
Filing Date :06/07/2011
(87) International Publication No :WO 2012/003541
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)PARKER Andrew**
**2)RANDALL Michael**

(57) Abstract :
The Digital Addressable Lighting Interface (DALI) is a lighting control protocol that allows individual control and monitoring of each device in a lighting system (e.g. ballasts emergency lighting etc) as well as groups of such devices. An improved DALI compliant Line Controller is described which may be advantageously used in a commercial setting. The sockets for both DALI lines and Ethernet are industry standard RJ45 sockets allowing the use of industry standard cables (as compared to DB9 connectors which are not typically used in industrial settings). Further the use of RJ45 sockets enables the DALI controller to be SELV compliant thus reducing the risk of electrical shock whilst working on the controller and advantageously providing a safer controller for use in an industrial environment. Additional modifications for use in an industrial environment include constructing DIN mountable slimline housing which extends along the DIN rail to minimise the footprint of the controller and increase packing efficiency on the rack providing an externally accessible battery compartment on the top surface allowing quick and easy battery replacement without requiring removal of the controller from the DIN rack and LED visual indicators on the top surface to provide status information and allow easy identification of a specific controller with a problem when mounted on a DIN rack with many other devices.

No. of Pages : 26 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.832/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FOOD ADDITIVE COMPRISING AN AMIDASE FOR DETOXIFYING OCHRATOXIN

(51) International classification :A23L1/015,A23L1/03
(31) Priority Document No :61/380280
(32) Priority Date :06/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2011/053901
Filing Date :06/09/2011
(87) International Publication No :WO 2012/032472
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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**2)POULSEN Charlotte Horsmans**
**3)DALSGAARD S¸ren**
**4)WANG Huaming**
**5)NIKOLAEV Igor**

(57) Abstract :
The present invention relates to amidase enzymes and a feed or food additive comprising the amidase enzyme capable of degrading ochratoxin.

No. of Pages : 206 No. of Claims : 90

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.699/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CHIMERIC PROMOTERS AND METHODS OF USE

(51) International classification :C12N15/82,C12N9/02,A01H5/00
(31) Priority Document No :61/401456
(32) Priority Date :13/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/047567
Filing Date :12/08/2011
(87) International Publication No :WO 2012/021794
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)TAO Yumin**
**2)ALBERT Henrik**
**3)CASTLE Linda A.**
**4)LU Jian**

(57) Abstract :
Compositions and methods comprising promoters from the 4 hydroxyphenylpyruvate dioxygenase (HPPD) gene and active variants and fragments thereof as well as chimeric promoters employing regulatory regions of the HPPD promoters are provided. Further provided are expression cassettes and plants comprising the various promoters disclosed herein operably linked to a polynucleotide of interest. Methods employing the various promoters described herein to modulate the expression of polynucleotides of interest are further provided.

No. of Pages : 139 No. of Claims : 49

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.801/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : BEARING HOUSING OF AN EXHAUST GAS TURBOCHARGER

(51) International classification :F02B39/00,F01D25/16,F01D25/24
(31) Priority Document No :102010035279.9
(32) Priority Date :24/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/US2011/048373
Filing Date :19/08/2011
(87) International Publication No :WO 2012/027212
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**2)BECKER Martin**
(72)**Name of Inventor :**
**1)HORNBACH Johannes**
**2)SCHUMNIG Oliver**

(57) Abstract :
The present invention relates to a bearing housing (1) of an exhaust gas turbocharger having a compressor side housing flange (2) having a central housing section (3) which is integrally connected to the housing flange (2) and in which is arranged a first partial section (4) of an oil chamber (5) which has an oil inlet (20) and an oil outlet (21) and having a turbine side housing section (6) which has a turbine side housing flange (7) and in which is arranged a second partial section (8) of the oil chamber (5) wherein the central and turbine side housing section (3 6) is provided with an oil cooling duct (13; 13 ).

No. of Pages : 11 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.812/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD AND DEVICE FOR DETECTING TELEPHONE CHANNEL FAULT

(51) International classification :H04L12/26,H04M3/22
(31) Priority Document No :201010222776.X
(32) Priority Date :30/06/2010
(33) Name of priority country :China
(86) International Application No :PCT/CN2011/073712
Filing Date :05/05/2011
(87) International Publication No :WO 2012/000346
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)ZTE CORPORATION**
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(72)**Name of Inventor :**
**1)LIU Yiqiang**

(57) Abstract :
A method and device for detecting the telephone channel fault are disclosed by the present invention. The method includes that: During the communication between the telephones, a silence detection is performed in the gateway, wherein, the directions o f the silence detection include the direction fiom the Time Division Multiplexing (TDM) side o f the gateway to the Internet Protocol (IP) side of the gateway and the direction fiom the I P side to the TDM side; when the silence detection result on the silence detection direction is silent, a telephone channel is determined a s single pass or double un-pass. The present invention realizes the single pass and double un-pass detections without affecting the current network service, thus improving the speed and efficiency of the fault detection.

No. of Pages : 21 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.825/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : IMPROVED CARBURETOR AND METHODS THEREFOR

(51) International classification :F02M9/08,F02M9/12,F02M19/00
(31) Priority Document No :61/361117
(32) Priority Date :02/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/039254
Filing Date :06/06/2011
(87) International Publication No :WO 2012/003066
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)DYESS Corey**
**2)HUDLEMEYER Aaron Aldrich**

(57) Abstract :
A carburetor having an inlet opening that includes a pair of concavities operative to direct air toward the metering rod of the carburetor. A carburetor having an inlet opening that includes an arcuate manifold adjacent to the inlet opening and in fluid communication with a fuel reservoir. A carburetor having a slide assembly that includes a positioning mechanism operative to adjust the position of the metering rod relative to the throttle slide. A throttle slide that includes a flow guide that bisects an arcuate relief on an underside thereof. A method for configuring the throat of a carburetor that includes an upper portion of a first diameter and a lower portion of a second diameter that is offset from the first diameter. The method comprises deriving an optimum size for the first and second diameters and the offset based on the pumping efficiency and operating parameters of the engine.

No. of Pages : 39 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.838/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MODIFIED RELAXIN POLYPEPTIDES AND THEIR USES

(51) International classification :C07K14/64,A61K38/22
(31) Priority Document No :61/374582
(32) Priority Date :17/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/048157
Filing Date :17/08/2011
(87) International Publication No :WO 2012/024452
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**2)KNUDSEN Nick**
**3)HEWET Amha**
**4)DE DIOS Kristine**
**5)PINKSTAFF Jason**
**6)SULLIVAN Lorraine**

(57) Abstract :
Modified relaxin polypeptides and their uses thereof are provided.

No. of Pages : 325 No. of Claims : 99

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.748/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : COPPER PRERINSE FOR ELECTRODEPOSITABLE COATING COMPOSITION COMPRISING YTTRIUM

(51) International classification :C09D5/00
(31) Priority Document No :12/835788
(32) Priority Date :14/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/043702
Filing Date :12/07/2011
(87) International Publication No :WO 2012/009351
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)ZIEGLER Terri L.**
**2)McMILLEN Mark**

(57) Abstract :
A method includes (a) contacting at least a portion of a substrate material with a solution comprising a source of copper wherein the solution is essentially free of a source of a group IIIB metal and a source of a group IVB metal; and (b) after step (a) contacting at least a portion of the substrate with an electrodepositable coating composition comprising (i) a film forming resin and (ii) a source of yttrium.

No. of Pages : 28 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.760/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FIXING DEVICE

(51) International classification :B64D11/00,B64D11/04,B64D11/06
(31) Priority Document No :A 1485/2010
(32) Priority Date :06/09/2010
(33) Name of priority country :Austria
(86) International Application No :PCT/AT2011/000363
Filing Date :06/09/2011
(87) International Publication No :WO 2012/031310
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)FACC AG**
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(72)**Name of Inventor :**
**1)KAMMERER Bernhard**

(57) Abstract :
The invention relates to a device (1) for fixing fittings (21, in particular wall or floor elements (3) in airplanes, to a structure (4) such that no vibrations are generated, comprising a fixing element (5) which is designed on one end (6) for fixing to the structure (4) and on the opposite end for receiving the fittings (2). The opposite end (7) of the fixing element (5) is movably mounted in a spacer sleeve (21) which can be connected to the fittings (2) to be received and which comprises an elongated hole-shaped cross-section, and said opposite end is designed for fixing to the fittings. At least one damping element (8) is provided for arranging between the structure (4) and the fittings (2). The spacer sleeve (21) has an elongated hole-shaped cross-section, and the one end (6) of the fixing element (5) is formed by a stand (6) or can be connected to a stand ( 6 ) , said stand (6 ) being designed for movably mounting in a rail section (14) that lies on the structure (4).

No. of Pages : 14 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.772/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SURGICAL DRAPE OR TOWEL HAVING AN ADHESIVE EDGE

(51) International classification :A61B19/08
(31) Priority Document No :10507754
(32) Priority Date :09/07/2010
(33) Name of priority country :Sweden
(86) International Application No :PCT/SE2011/050907
Filing Date :05/07/2011
(87) International Publication No :WO 2012/005674
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)LAGER Katarina**

(57) Abstract :
The present invention relates to a surgical drape or towel comprising a base sheet (2) composed of one or more layers. According to the invention an edge region of said base sheet (2) has a recess (6) therein and said recess is covered by a strip of thin plastic film (7) having a layer of adhesive on one side thereof for attaching the surgical drape or towel to skin.

No. of Pages : 13 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.805/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : GRID RUNNER

(51) International classification :E04B9/06,E04B9/24
(31) Priority Document No :12/848267
(32) Priority Date :02/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/044941
Filing Date :22/07/2011
(87) International Publication No :WO 2012/018550
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**4)UNDERKOFLER Abraham M.**
**5)PAULSEN Mark R.**

(57) Abstract :
A roll formed grid runner comprising a sheet metal strip folded into an upper hollow single wall reinforcing bulb a double wall web below the bulb a channel extending laterally from both sides of a lower end of the web to a bend and upwardly from the bend to a panel supporting elevation the bend on each side of the web existing at a longitudinally extending score line where a thickness of the strip is locally reduced.

No. of Pages : 15 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.818/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR PRODUCING NITROBENZENE BY ADIABATIC NITRIDING

(51) International classification :C07C201/08,C07C201/16,C07C205/06
(31) Priority Document No :10 2010 038 519.0
(32) Priority Date :28/07/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/062827
Filing Date :26/07/2011
(87) International Publication No :WO 2012/013672
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)RACOES Alexandre**
**3)RAUSCH Andreas Karl**
**4)WULF Dietrich**

(57) Abstract :
The invention relates to a method for continuously producing nitrobenzene by nitriding benzene using a mixture of nitric acid and sulfuric acid under adiabatic conditions, wherein unreacted benzene is separated out of the raw product obtained after phase Separation and prior to washing same, using the adiabatic reaction heat.

No. of Pages : 19 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.845/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SAMPLE PLATE

(51) International classification :B01L3/00,G01N33/543,G01N35/00
(31) Priority Document No :12/846580
(32) Priority Date :29/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/GB2011/051383
Filing Date :21/07/2011
(87) International Publication No :WO 2012/013959
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)BUNCE Adrian**
**2)FUSELLIER Andrew**

(57) Abstract :
A sample plate comprising a sample well is disclosed. The sample well can comprise one or more bead retaining chambers. A method of using the sample plate and a kit comprising the sample plate is also disclosed.

No. of Pages : 67 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.698/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : AUTOMATIC CREATION AND MODIFICATION OF DYNAMIC GEOFENCES

(51) International classification :H04W4/04,G06F21/00
(31) Priority Document No :61/360899
(32) Priority Date :01/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2011/000787
Filing Date :04/07/2011
(87) International Publication No :WO 2012/000107
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)BROSCOE Stephen**
**2)LOVELAND Damien Gerard**

(57) Abstract :
An apparatus and method for monitoring locations and times of authorized use of an electronic device and using the locations and times to create a geofence within which use of the device is permitted. The geofence may have several discrete portions each of which may have a time dependent validity.

No. of Pages : 20 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.747/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SHOCKWAVE GENERATION DEVICE AND METHOD OF DELIVERING A SHOCKWAVE

(51) International classification :F04F1/18,F04F1/20,B08B9/043
(31) Priority Document No :1010907.2
(32) Priority Date :29/06/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/051235
Filing Date :29/06/2011
(87) International Publication No :WO 2012/001415
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)WHITESIDE Richard Eric**
**2)REDGATE David Benjamin**
**3)WELLS Tobias Mark**

(57) Abstract :
A fluid delivery device for delivering a flow of a gaseous fluid into a liquid medium the device comprising means for generating an ultrasonic shockwave under the flow of gaseous fluid therethrough the device being operable to launch the ultrasonic shockwave into the liquid medium.

No. of Pages : 70 No. of Claims : 128

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.759/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHODS AND COMPOSITIONS FOR CNS DELIVERY OF IDURONATE 2 SULFATASE

(51) International classification :A61K38/46,A61K38/00
(31) Priority Document No :61/358857
(32) Priority Date :25/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/041925
Filing Date :25/06/2011
(87) International Publication No :WO 2011/163649
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**3)SHAHROKH Zahra**
**4)CHRISTIAN James**
**5)FAHRNER Rick**
**6)PAN Jing**
**7)WRIGHT Teresa Leah**
**8)CALIAS Pericles**

(57) Abstract :
The present invention provides among other things compositions and methods for CNS delivery of lysosomal enzymes for effective treatment of lysosomal storage diseases. In some embodiments the present invention includes a stable formulation for direct CNS intrathecal administration comprising an iduronate 2 sulfatase (I2S) protein salt and a polysorbate surfactant for the treatment of Hunters Syndrome.

No. of Pages : 174 No. of Claims : 61

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.810/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HOT STRETCH STRAIGHTENING OF HIGH STRENGTH ALPHA/BETA PROCESSED TITANIUM

(51) International classification :C22F1/18,B21D1/00,B21D3/00
(31) Priority Document No :12/845122
(32) Priority Date :28/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/043951
Filing Date :14/07/2011
(87) International Publication No :WO 2012/015602
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)BRYAN David J.**

(57) Abstract :
A method for straightening a solution treated and aged (STA) titanium alloy form includes heating an STA titanium alloy form to a straightening temperature of at least 25°F below the age hardening temperature and applying an elongation tensile stress for a time sufficient to elongate and straighten the form. The elongation tensile stress is at least 20% of the yield stress and not equal to or greater than the yield stress at the straightening temperature. The straightened form deviates from straight by no greater than 0.125 inch over any 5 foot length or shorter length. The straightened form is cooled while simultaneously applying a cooling tensile stress that balances the thermal cooling stress in the titanium alloy form to thereby maintain a deviation from straight of no greater than 0.125 inch over any 5 foot length or shorter length.

No. of Pages : 37 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.851/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ORIENTATED ELECTROMAGNETIC STEEL SHEET AND MANUFACTURING METHOD FOR SAME

(51) International classification :C21D9/46,C21D8/12,C22C38/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2010/062679
Filing Date :28/07/2010
(87) International Publication No :WO 2012/014290
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)SAKAI Tatsuhiko**
**2)HIRANO Koji**
**3)ARAI Satoshi**
**4)USHIGAMI Yoshiyuki**

(57) Abstract :
A silicon steel sheet (1) containing Si is coldrolled. Next, a decarburization annealing (3) of the silicon steel sheet (1) is performed so as to cause a primary recrystallization. Next, the silicon steel sheet (1) is coiled so as to obtain a steel sheet coil (31). Next, an annealing (6) of the steel sheet coil (31) is performed through batch processing so as to cause a secondary recrystallization. Next, the steel sheet coil (31) is uncoiled and flattened. Between the cold-rolling and the obtaining the steel sheet coil (31), a laser beam is irradiated a plurality of times at predetermined intervals on a surface of the silicon steel sheet (1) from one end to the other end of the silicon steel sheet (1) along a sheet width direction (2). When the secondary recrystallization is caused, grain boundaries passing from a front surface to a rear surface of the silicon steel sheet (1) along paths of the laser beams are generated.

No. of Pages : 57 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.729/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MEMORY CARD AND METHOD FOR INITIATION OF STORAGE AND WIRELESS TRANSCEIVING OF DATA

(51) International classification :G06K19/07,G06F13/10
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/SG2010/000237
Filing Date :25/06/2010
(87) International Publication No :WO 2011/162718
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)TAN Joon Yong Wayne**

(57) Abstract :
Disclosed is a memory card having a central processor a wireless transceiver module operatively connected to the central processor a storage module operatively connected to the central processor and a movement sensor operatively connected to the central processor. The movement sensor is configured to provide operational signals to the central processor as a result of a detection of movement of defined characteristics.

No. of Pages : 14 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.800/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : BEARING HOUSING OF AN EXHAUST GAS TURBOCHARGER

(51) International classification :F02B39/00,F01D25/24,F01D25/16
(31) Priority Document No :102010034457.5
(32) Priority Date :16/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/US2011/046536
Filing Date :04/08/2011
(87) International Publication No :WO 2012/024092
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)HORNBACH Johannes**

(57) Abstract :
The invention relates to a bearing housing (1) of an exhaust gas turbocharger (24) having a mounting bore (2) having a bearing device (3) which has two bearing bushes (4 5) arranged in the mounting bore (2) between which bearing bushes is arranged a spacer (6) and having a rotational speed sensor (7) which is fixed in a bearing housing recess (9) and which engages into a sensor recess (8) of the spacer (6) wherein a resilient sleeve (10) is arranged in the bearing housing recess (9) around the rotational speed sensor (7) and engages with one end (11) into the sensor recess (8).

No. of Pages : 9 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.813/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FACTOR IX POLYPEPTIDES AND METHODS OF USE THEREOF

(51) International classification :A61K39/00
(31) Priority Document No :61/363064
(32) Priority Date :09/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/043569
Filing Date :11/07/2011
(87) International Publication No :WO 2012/006624
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)PIERCE Glenn**
**2)TRUEX Samantha**
**3)PETERS Robert T.**
**4)JIANG Haiyan**

(57) Abstract :
The present invention provides methods of administering Factor IX; methods of administering chimeric and hybrid polypeptides comprising Factor IX; chimeric and hybrid polypeptides comprising Factor IX; polynucleotides encoding such chimeric and hybrid polypeptides; cells comprising such polynucleotides; and methods of producing such chimeric and hybrid polypeptides using such cells.

No. of Pages : 134 No. of Claims : 121

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.827/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ACCOMMODATING INTRAOCULAR LENS WITH DEFORMABLE MATERIAL

(51) International classification :A61F2/16,A61F9/00,A61F9/007
(31) Priority Document No :61/398626
(32) Priority Date :29/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/042446
Filing Date :29/06/2011
(87) International Publication No :WO 2012/006186
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)SCHWIEGERLING James T.**

(57) Abstract :
An accommodating intraocular lens. The lens includes a substantially rigid anterior member having an extrusion aperture. First transparent deformable material is disposed anterior to the posterior side of the anterior member. Second transparent deformable material is disposed adjacent the posterior surface of the first material the second material having a different degree of deformability than the first material and having an index of refraction different from the index of refraction of the first material. This forms a refractive deformable interface between the body of first material and the body of the second material. Force applied to the second material causes that material to be extruded through the aperture so as to form a curved refractive interface with the body of first material. A method for installation of the accommodating intraocular lens is also provided.

No. of Pages : 24 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.853/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : LOOP CUTTER KNIFE FIXTURE WITH REPLACEABLE BLADES

(51) International classification :B26D3/22
(31) Priority Document No :61/369220
(32) Priority Date :30/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/044842
Filing Date :21/07/2011
(87) International Publication No :WO 2012/015661
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)J.R. SIMPLOT COMPANY**
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(72)**Name of Inventor :**
**1)WALKER David B.**
**2)NEEL Allen J.**

(57) Abstract :
A loop cutter knife fixture for cutting vegetable products such as raw potatoes into spiral or helical loops. The knife fixture includes a circular blade holder adapted to be rotatably driven within a vegetable product flow path. The blade holder includes a central core cutter in combination with a spiral base plate defining a radial slot between axially spaced upstream and downstream ends thereof. Small slits are formed in this base plate for seated reception of preferably multiple U shaped strip blades which are in turn overlaid and clamped in place beneath a generally pie shaped slab blade having a sharpened knife edge exposed at the base plate radial slot and held in place by preferably multiple clamp screws. The strip blades and/or the slab blade are formed from an inexpensive material such as sheet metal or the like whereby blade changeover is quick and economical.

No. of Pages : 18 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.687/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A CATHETER ASSEMBLY AND PIERCED SEPTUM VALVE

(51) International classification :A61M25/06,A61M39/06
(31) Priority Document No :61/364576
(32) Priority Date :15/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/028712
Filing Date :16/03/2011
(87) International Publication No :WO 2012/009027
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)STOUT Marty L.**

(57) Abstract :
A pierced septum valve is disclosed herein. The pierced septum valve includes a septum (50) that is located within a lumen of a body (14). A septum activator (80) is positioned proximal the septum within the lumen of the body. A seal (98) is disposed between an outer surface of the septum activator and the body to seal the portion of the septum activator distal the lumen from the portion of the septum activator proximal the lumen. One or more vents (100) are disposed between the seal and the lumen of the body to permits the passage of air but not blood past the seal.

No. of Pages : 27 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.773/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : IMPROVED METHOD FOR ANALYZING A GEMSTONE

(51) International classification :G01N21/87,G01N21/03
(31) Priority Document No :20100411
(32) Priority Date :07/07/2010
(33) Name of priority country :Belgium
(86) International Application No :PCT/EP2011/061529
Filing Date :07/07/2011
(87) International Publication No :WO 2012/004351
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)SIVOVOLENKO Sergey**

(57) Abstract :
Method for analyzing a gemstone typically for locating an inclusion in a gemstone comprising: selecting a solid material which is transparent in at least a segment of the visible spectrum or a segment of the infrared spectrum; melting or plasticizing said solid material and immersing the gemstone in said melted or plasticized material such that the gemstone is at least partly covered therein; allowing said melted or plasticized material to become solid such that a solid transparent block is obtained containing the gemstone; analyzing the gemstone through a surface of the transparent solid block using light rays in the visible spectrum or in the infrared spectrum.

No. of Pages : 47 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.815/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ETHYLENE EXPANSION FOR LOW TEMPERATURE REFRIGERATION IN POLYETHYLENE VENT RECOVERY

(51) International classification :C08F6/00,B01D19/00,B01J8/00
(31) Priority Document No :61/362989
(32) Priority Date :09/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No:PCT/US2011/043123
Filing Date :07/07/2011
(87) International Publication No :WO 2012/006387
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)FORCE Randall L.**
**2)FISCHER Donald A.**

(57) Abstract :
Provided are processes and systems for recovering hydrocarbons in a vent stream from a polymerization process. The methods and systems may include the recovery of an olefin monomer from a polymerization vent gas using ethylene refrigeration to condense and recover the olefin monomers from the vent gas. In some embodiments the methods and systems may also include compression and condensation of polymerization vent gas recompression of ethylene refrigerant and use of an expander compressor turbine device for ethylene refrigeration.

No. of Pages : 24 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.842/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : NEW PROCESS FOR THE PREPARATION OF INTERMEDIATES USEFUL FOR THE MANUFACTURE NEP INHIBITORS

(51) International classification :C07C227/22,C07C269/06,C07C271/22
(31) Priority Document No :PCT/CN2010/076249
(32) Priority Date :23/08/2010
(33) Name of priority country :China
(86) International Application No :PCT/EP2011/064411
Filing Date :22/08/2011
(87) International Publication No :WO 2012/025502
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)RISS Bernhard**
**3)ZHOU Jianguang**
**4)LI Yunzhong**
**5)BAPPERT Erhard**

(57) Abstract :
The invention relates to a new process for producing useful intermediates for the manufacture of NEP inhibitors or prodrugs thereof in particular NEP inhibitors comprising a amino d biphenyl a methylalkanoic acid or acid ester backbone such as N (3 carboxyl 1 oxopropyl) (4S) (p phenylphenylmethyl) 4 amino (2R) methyl butanoic acid ethyl ester or salt thereof.

No. of Pages : 88 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.855/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HYDRAULIC SHOVEL

(51) International classification :E02F9/00,E02F9/18
(31) Priority Document No :2012172602
(32) Priority Date :03/08/2012
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2012/075074
Filing Date :28/09/2012
(87) International Publication No :WO 2014/020777
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)YONEHARA Jun**
**3)YAMAMOTO Risa**

(57) Abstract :
Increases in fuel temperature caused by heat from an engine are suppressed in this hydraulic shovel. The hydraulic shovel (1) is provided with a lower traveling body (2) and an upper rotating body that is rotatably supported on the upper section of the lower traveling body (2). The upper rotating body (3) comprises a rotating frame (4) an engine (6) that is installed on the rotating frame (4) a fuel tank (7) that is arranged on one side of the engine (6) a counterweight (8) and a fuel pipe (20). The counterweight (8) is supported at the rear of the engine (6) by the rotating frame (4) and is arranged so that the lower end section thereof faces the rear end surface of the rotating frame (4) with an interval therebetween said interval being open to the outside air. The return pipe (24) of the fuel pipe (20) is connected to the fuel tank (7) and is arranged in the interval between the rear end surface of the rotating frame (4) and the lower end section of the counterweight (8).

No. of Pages : 21 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.766/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : LIQUID MENISCUS LENS WITH CONVEX TORUS SEGMENT MENISCUS WALL

(51) International classification :G02B3/14,A61F2/16,G02B1/04
(31) Priority Document No :61/367895
(32) Priority Date :27/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/045149
Filing Date :25/07/2011
(87) International Publication No :WO 2012/015719
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)OTTS Daniel B.**
**3)TONER Adam**
**4)KERNICK Edward R.**
**5)RIALL James Daniel**
**6)SNOOK Sharika**

(57) Abstract :
The present invention relates generally to a liquid meniscus lens with a meniscus wall. Some specific embodiments include a liquid meniscus lens with a meniscus wall essentially in the shape of a conical frustum with at least a portion of the conical frustum convex toward the optical axis. Embodiments may also include a lens of suitable size and shape for inclusion in a contact lens.

No. of Pages : 33 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.778/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PROJECTILE THAT INCLUDES A GIMBAL STOP

(51) International classification :F42B10/00
(31) Priority Document No :12/844493
(32) Priority Date :27/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/000962
Filing Date :27/05/2011
(87) International Publication No :WO 2012/044341
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)DALE Erik T.**
**2)EGBERT Ryan A.**

(57) Abstract :
Some embodiments pertain to a projectile that includes a frame and a first gimbal that is rotatably supported by the frame. The projectile further includes a second gimbal that is rotatably supported by the first gimbal. A sensor is supported by the second gimbal such that an adjustment mechanism is able to maneuver the first and second gimbals to adjust the position of the sensor. The projectile further includes a stop that is attached to the frame. The stop may be a cup that surrounds a bottom portion of the sensor. The cup provides a barrier to prevent the adjustment mechanism from maneuvering the sensor outside a designated area.

No. of Pages : 16 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.826/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : AN IN MOULD LABELLED CONTAINER

(51) International classification :B29C45/14,B29C45/00,B65D85/804
(31) Priority Document No :10172267.6
(32) Priority Date :09/08/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/063613
Filing Date :08/08/2011
(87) International Publication No :WO 2012/019993
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)HENTZEL Stphane**

(57) Abstract :
The present invention concerns a container preferably a capsule for use in a food preparation machine comprising: (i) a structure with a lower side at least one substantially vertical pillar extending from the lower side said pillar being linked to a circular upper frame said circular upper frame having a substantially L shaped cross section with a first circular portion disposed vertically to which the pillar is linked said vertical portion being linked at its upper side to a second horizontal circular portion forming a peripheral edge said first vertical portion having a height a and a thickness x said second horizontal portion having a width b and a thickness y (ii) a label attached to the lower side pillar and outer surface of the upper circular frame s vertical portion thus forming an envelope that defines capsule side walls. According to the invention x is superior to y and xa is superior to yb.

No. of Pages : 17 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.839/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : AUTOMATED DOOR ASSEMBLY PRESS AND ADHESIVE THEREFOR

(51) International classification :B27M1/08,B27M3/18,B27G11/00
(31) Priority Document No :61/368604
(32) Priority Date :28/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/045758
Filing Date :28/07/2011
(87) International Publication No :WO 2012/016066
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)MACDONALD Michael**
**3)HARDWICK Geoffrey**
**4)RITCHIE Robert**
**5)CUCCHI George**
**6)FEDIO Bruce**

(57) Abstract :
Provided is a system and method of making a door having first and second door skins (S1 S2) and an internal frame (F). The top and bottom surfaces of the frame are coated with an adhesive and the frame (F) is placed on a first door skin (S1). The second door skin (S2) is then placed on the opposite surface of the frame (F). The assembled components are then pressed to bond the first and second door skins (SI S2) to the frame (F).

No. of Pages : 42 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.865/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MOTOR DRIVEN SURGICAL FASTENER DEVICE WITH MECHANISMS FOR ADJUSTING A TISSUE GAP WITHIN THE END EFFECTOR

(51) International classification :A61B17/072,A61B17/00
(31) Priority Document No :12/846237
(32) Priority Date :29/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/045313
Filing Date :26/07/2011
(87) International Publication No :WO 2012/015795
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)SHELTON Frederick E. IV**

(57) Abstract :
A surgical fastener apparatus having a handle an elongated shaft having a proximal end attached to the handle and a distal end extending therefrom. An end effector including a pair of jaws pivoted at a proximal end thereof and movable between an open and closed position. A cartridge containing a plurality of surgical fasteners the cartridge attached to the end effector. An electrically powered actuator for deploying the surgical fasteners the actuator including a power source and a motor. Means for electrically adjusting the amount of spacing between the jaws when the end effector is in the closed position.

No. of Pages : 69 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.745/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : IMAGE PROCESSING DEVICE AND IMAGE PROCESSING METHOD

(51) International classification :H04N7/32
(31) Priority Document No :2010174706
(32) Priority Date :03/08/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/066920
Filing Date :26/07/2011
(87) International Publication No :WO 2012/017858
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)SATO Kazushi**

(57) Abstract :
A motion vector number limit setup portion (35) of the present invention sets, according t o microblock size, a maximum value for the number o f motion vectors. A motion prediction/ compensation portion (32) detects the optimal prediction mode, wherein the number o f motion vectors does not ex ceed the maximum value, and generates a predictive image after compensating the motion o f a reference image through the use o f the motion vector o f the de tected optimal prediction mode. B y setting, according t o microblock size, a maximum value for the number o f motion vectors, i t i s possible, when using an ex panded microblock, t o prevent picture quality decline or the like, with the number o f motion vectors not b e ing limited any more than necessary.

No. of Pages : 119 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.757/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ONE WAY INFORMATION TRANSFER FOR PERFORMING SECURE INFORMATION UPDATES

(51) International classification :H04L29/06,G06F9/445
(31) Priority Document No :12/803322
(32) Priority Date :24/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2011/001779
Filing Date :24/06/2011
(87) International Publication No :WO 2011/161540
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)ABIGAIL Shawn**

(57) Abstract :
A server comprises one or more data processing device instructions processable by the one or more data processing device and an apparatus from which the instructions are accessible by the one or more data processing device. The instructions are configured for causing the one or more data processing device to receive an information update command from a system user access an information update rule corresponding to the information update command and perform unidirectional transmission of information to at least one secure information system for causing at least one update action defined by the information update rule to be implemented by the at least one secure information system.

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.769/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : RUBBER BLEND

(51) International classification :C08L7/00,C08L9/00,C08K3/36
(31) Priority Document No :10168647.5
(32) Priority Date :07/07/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/058013
Filing Date :18/05/2011
(87) International Publication No :WO 2012/004038
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)WEBER Christian**

(57) Abstract :
The invention relates to a rubber blend in particular for vehicle tyres and various types of belts and hoses. Said rubber blend is characterised by the following composition: 60 to 85 phr of at least one natural or synthetic polyisoprene; 15 to 40 phr of at least one butadiene rubber and/or of at least one styrene butadiene rubber which is solution polymerised and has a glass transition temperature of less than or equal to 55C; 5 to 15 phr of at least one process oil; 15 to 75 phr of at least one silicic acid; 2 to 10 phr of at least one adhesive resin and; other additives.

No. of Pages : 18 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.843/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : OPENING/CLOSING APPARATUS

(51) International classification :H04M1/02
(31) Priority Document No :2010167444
(32) Priority Date :26/07/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/066422
Filing Date :20/07/2011
(87) International Publication No :WO 2012/014742
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)KATSUTA Tetsuya**

(57) Abstract :
An opening and closing device includes a fixed frame including a shaft receiving part and fixed to a first housing, a movable plate configured to be rotationally movable relative to the fixed frame, a 10 slide plate configured to be slidable relative to the movable plate and fixed to a second housing, multiple arms of the same length provided between the shaft receiving part and the movable plate to have respective one ends received by the shaft receiving 15 part and respective other ends received by the movable plate, and a slide mechanism configured to cause the slide plate to slide relative to the movable plate. The slide plate is caused to slide relative to the movable plate by the slide mechanism 20 and the movable plate rotates relative to the fixed frame with turns of the arms, so that the second housing moves between a closed position and an open position.

No. of Pages : 48 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.869/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : LIQUID MENISCUS LENS WITH CONCAVE TORUS SEGMENT MENISCUS WALL

(51) International classification :G02B3/14,G02C7/00,A61F2/16
(31) Priority Document No :61/368868
(32) Priority Date :29/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/045155
Filing Date :25/07/2011
(87) International Publication No :WO 2012/015725
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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**2)OTTS Daniel B.**
**3)TONER Adam**
**4)KERNICK Edward R.**
**5)RIALL James Daniel**
**6)SNOOK Sharika**

(57) Abstract :
The present invention relates generally to a liquid meniscus lens with a meniscus wall. Some specific embodiments include a liquid meniscus lens with a meniscus wall essentially in the shape of a conical frustum with at least a portion of the conical frustum concave toward the optical axis. Embodiments may also include a lens of suitable size and shape for inclusion in a contact lens.

No. of Pages : 34 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.764/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DEVICE AND METHOD FOR ADAPTING A SITTING POSITION

(51) International classification :B60N2/02
(31) Priority Document No :10 2010 035 994.7
(32) Priority Date :01/09/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/065082
Filing Date :01/09/2011
(87) International Publication No :WO 2012/028677
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)JENDRITZA Daniel J.**
**2)LANGE MAO Wei**

(57) Abstract :
The invention relates to a method for adapting a sitting position of a vehicle occupant in a vehicle (3) with at least one driver assistance System which comprises at least one optical sensor unit (5, 6), and with a vehic le seat (2) with a drive unit (4) for adjusting the sitting position (SP). According to the inventi on, at least one physical parameter (P) of a ve hicle occupant and/or a hazardous Situation is sensed by means of the optical sensor unit (5, 6), and on the basis of the sensed physical pa rameter (P) automatic setting and/or pre-setting of the sitting position (SP) of the vehicle seat (2) are/is carried out. Furthermore, the inventi on relates to a device (1) for adapting a seat po sition of a vehicle occupant in a vehicle (3).

No. of Pages : 26 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.776/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : AUTOMATIC DIGITAL CAMERA PHOTOGRAPHY MODE SELECTION

(51) International classification :H04N5/232
(31) Priority Document No :12/843275
(32) Priority Date :26/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/044462
Filing Date :19/07/2011
(87) International Publication No :WO 2012/018517
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)PILLMAN Bruce Harold**
**3)PARULSKI Kenneth Alan**

(57) Abstract :
A digital camera having a plurality of photography modes comprising: an image sensor; an optical system for imaging a scene onto the image sensor; an image capture control for initiating an image capture operation; a photography mode user interface for selecting between a plurality of photography modes the photography modes having associated image capture and image processing settings; a power control for turning the digital camera on or off wherein when the camera is in an off state and the power control is activated with a first activation pattern the digital camera is turned on and set to operate in a default photography mode and when the power control is activated with a second activation pattern the digital camera is turned on and set to operate in a previously selected photography mode.

No. of Pages : 42 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.848/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : RESERVOIR FOR A LIQUID MEDIUM HAVING A SUCTION DEVICE AND A FILTER UNIT

(51) International classification :F01N3/20
(31) Priority Document No :10 2010 039 056.9
(32) Priority Date :09/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/062206
Filing Date :18/07/2011
(87) International Publication No :WO 2012/019870
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)DOEHRING Jochen**
**2)HANNEKE Juergen**
**3)EMSMANN Wulf**

(57) Abstract :
The invention relates to a reservoir (22) for a liquid medium, having a suction device (30) .»« Q\5 and a filter unit (34), wherein means for the sedimentation of particles and fibers are connected upstream of the filter unit (34).

No. of Pages : 10 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.861/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FLEXIBLE HELICAL STENT HAVING INTERMEDIATE STRUCTURAL FEATURE

(51) International classification :A61F2/88,A61F2/00
(31) Priority Document No :61/369954
(32) Priority Date :02/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/046294
Filing Date :02/08/2011
(87) International Publication No :WO 2012/018836
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)SCHROEDER Valeska**

(57) Abstract :
The present invention relates to tubular stents that are implanted within a body lumen to support the organ maintain patency and/or deliver drugs or agents. The stent (1200) has a cylindrical shape defining a longitudinal axis and includes a helical section (1208) having of a plurality of longitudinally oriented strut members (1213) and a plurality of circumferentially oriented hinge members (1214) connecting circumferentially adjacent strut members to form a band. The band is wrapped about the longitudinal axis in a substantially helical manner to form a plurality of helical windings. The helical section further includes a proximal section (1208A) a distal section (1208B) and an intermediate section (1220) there between. The stent further includes a plurality of connector members (1212) extending between longitudinally adjacent helical windings wherein the number of circumferentially adjacent connector members per winding in the intermediate section is greater than the number of circumferentially adjacent connector members per winding in the proximal or distal sections.

No. of Pages : 68 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.874/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : APPARATUS AND METHOD FOR APPLYING A LABEL TO A NON RULED SURFACE

(51) International classification :B65C3/08,B65C9/18,B65C9/36
(31) Priority Document No :12/851569
(32) Priority Date :06/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/046523
Filing Date :04/08/2011
(87) International Publication No :WO 2012/018966
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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Address of Applicant :One Procter & Gamble Plaza Cincinnati Ohio 45202 U.S.A.
(72)**Name of Inventor :**
**1)BROAD Gavin J.**

(57) Abstract :
Apparatus for applying a label (10) to a non ruled surface. The apparatus comprises a label supply element (400) an array (100) of label conformation pallets (110) a pressure source (130) and an array (200) of target object presentation stations (20). The label supply element (400) comprises a peel tip disposed adjacent to a carrier film path and a label path diverging from the carrier film path at the peel tip. The array (100) of label conformation pallets (110) is constrained to circumnavigate a pallet path. Each pallet (110) comprises a shell defining a cavity associated with a predefined shape of a non ruled surface of a target object and having a perimeter and a flexible membrane occluding the cavity along the perimeter. The target object presentation stations (20) are adapted to hold individual target objects and constrained to circumnavigate a target object path a portion of the target object path disposed adjacent to the pallet path.

No. of Pages : 13 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.762/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ADAPTATION OF RECEIVER SETTINGS IN A HETEROGENOUS NETWORK

| | |
|---|---|
| (51) International classification | :H04L1/00,H04W36/30,H04W72/08 |
| (31) Priority Document No | :61/375535 |
| (32) Priority Date | :20/08/2010 |
| (33) Name of priority country | :U.S.A. |
| (86) International Application No<br>Filing Date | :PCT/EP2011/064034<br>:15/08/2011 |
| (87) International Publication No | :WO 2012/022717 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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**2)LINDBOM Lars**
**3)PARKVALL Stefan**

(57) Abstract :
Techniques are described for adapting receiver settings used by a mobile terminal operating in a heterogeneous network comprising macro cells and pico cells with overlapping coverage areas. A first set of subframes is allocated to the pico cells for downlink transmissions to a mobile terminal in a link imbalance zone. The mobile terminal acquires information about the subframe allocation and uses the subframe allocation information to select the signals used for adapting receiver settings used when operating in the link imbalance zone.

No. of Pages : 30 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.774/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : TERMINAL BLOCK

(51) International classification :H01R9/22,G01K1/00
(31) Priority Document No :61/367580
(32) Priority Date :26/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/001319
Filing Date :26/07/2011
(87) International Publication No :WO 2012/018371
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)WALSH Courtney**

(57) Abstract :
A terminal block (100) includes a first end (102) a second end (104) a top surface (106) and a bottom surface ( 108). A first connection socket (120) is disposed on the top surface in proximity to the first end of the terminal block. A second connection socket (130) is disposed on the top surface in proximity to the second end of the terminal block. A thermocouple connector (140) is disposed on the top surface and is coupled to the first connection socket and the second connection socket. In one embodiment the thermocouple connector is a miniature type SMP thermocouple connector. In one embodiment a system (600) of interconnected components employs the terminal blocks at a plurality of control points (550). A meter (500) is selectively coupled to the terminal blocks for measuring sensing and collecting at least one of data and information at the plurality of control points.

No. of Pages : 19 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.820/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ' LIGHT EMITTING DIODES'

(51) International classification :H01L33/00,H01L33/08,H01L21/30
(31) Priority Document No :1012483.2
(32) Priority Date :26/07/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/051407
Filing Date :25/07/2011
(87) International Publication No :WO 2012/013965
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)WANG Tao**

(57) Abstract :
A method of producing a light emitting device comprises providing a wafer structure including a light emitting layer of III nitride semiconductor material; dry etching the wafer at least part way through the light emitting layer so as to leave exposed surfaces of the emitting layer; and treating the exposed surfaces of the emitting layer with a plasma. The treatment may be using hot nitric acid or a hydrogen plasma.

No. of Pages : 24 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.860/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : POLYAMIDE COMPOSITION CABLE TIE MADE THEREOF AND ITS MANUFACTURING METHOD

(51) International classification :B65D63/10,B65D63/16,B29C45/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2010/001338
Filing Date :03/09/2010
(87) International Publication No :WO 2012/027863
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**3)HUANG Jianfeng**

(57) Abstract :
A polyamide composition formed from a low viscosity polyamide 6 and a nucleating agent including an organic material and an inorganic metallic material is provided. Suitable organic materials include organic polymers. Suitable inorganic metallic materials include metal oxides and silicates. Cable ties and methods of molding cable ties from the polyamide composition are also provided.

No. of Pages : 20 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.875/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DRONE TAMPER

(51) International classification :B61D15/00,E01B27/00,E01B27/17
(31) Priority Document No :12/827596
(32) Priority Date :30/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/040255
Filing Date :14/06/2011
(87) International Publication No :WO 2012/005883
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)MILLER Robert S.**
**2)DELUCIA Anthony P.**
**3)MAURICE Peter R.**

(57) Abstract :
A drone vehicle (100) for performing maintenance on a railway system is provided with a vehicle control system (126) to utilize tie position data to position a drone vehicle workhead (50 60) over at least a portion of a respective tie. The drone vehicle control system is further structured to actuate the drone vehicle workhead. The drone vehicle may be controlled by a drone vehicle control system linked preferably by wireless communications to a lead vehicle (20) and a lead vehicle control system (26). The lead vehicle control system and the drone vehicle control system are structured to communicate with each other with the lead vehicle control system providing the tie position data to the drone vehicle control system.

No. of Pages : 44 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.749/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : T CELL RECEPTORS

(51) International classification :C07K14/705
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/GB2010/001433
Filing Date :28/07/2010
(87) International Publication No :WO 2012/013913
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)LIDDY Nathaniel Ross**

(57) Abstract :
A T cell receptor (TCR) having the property of binding to EVDPIGHLY HLA A1 complex and comprising a specified wild type TCR which has specific mutations in the TCR alpha variable domain and/or the TCR beta variable domain to increase affinity. Such TCRs are useful for adoptive therapy.

No. of Pages : 54 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.821/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FIXING DEVICE FOR A VEHICLE SEAT AND VEHICLE SEAT

(51) International classification :B60N2/30
(31) Priority Document No :10 2010 033 267.4
(32) Priority Date :04/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/063475
Filing Date :04/08/2011
(87) International Publication No :WO 2012/017049
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)FLUCHT Stefan**
**2)GEORGE Ian**

(57) Abstract :
The invention relates to a fixing device (2) for a vehicle seat (1), especially for a motor vehicle seat. According to the invention, the fixing device (2) comprises a multi-articulated mechanism (G) and a locking device (3) that unlocks the multiarticulated mechanism when the vehicle seat (1) is pivoted or folded back past a defined limiting angle (a), enabling the vehicle seat (1) to be guided, especially pivoted and longitudinally moved, in a controlled manner, between an unlocked first position(PU1) and an unlocked second position (PU2) or vice versa.

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.849/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : WIPER ARM

(51) International classification :B60S1/34,B60S1/32
(31) Priority Document No :10 2010 039 526.9
(32) Priority Date :19/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/062888
Filing Date :27/07/2011
(87) International Publication No :WO 2012/022591
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)WOLFGARTEN Sven**
**3)KRAEMER Godelieve**
**4)KRUSE Michael**
**5)BALINT Agnes**

(57) Abstract :
The invention relates to a wiper arm (1) for a windshield wiping device (3) of a motor vehicle, comprising a first receiving portion 9 for fixing the wiper arm (1) on the windshield wiping device (3) and a second receiving portion (10) for fixing a wiper blade (2). A rigid wiper arm region (13) that adjoins the first receiving portion (9) and an elastic wiper arm region (14) that adjoins the second receiving portion (10) lie between the first and second receiving portions (9, 10). The rigid wiper arm region (13) is designed to transmit a torque that acts about a rotational axis (24) of the wiper arm (1) and the elastic wiper arm region (14) is designed to provide a force to push the wiper blade (2) onto a windshield. The rigid wiper arm region (13) has a first insert (15) and the elastic wiper arm region (14) has a £ t second insert (16), said first insert (15) being surrounded by a first plastic casing (17) and said second insert (16) being surrounded by a second plastic casing (18). The first plastic casing (17) has an elasticity that is different from the second plastic casing (18).

No. of Pages : 14 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.862/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FLEXIBLE STENT HAVING PROTRUDING HINGES

(51) International classification :A61F2/90
(31) Priority Document No :61/370011
(32) Priority Date :02/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/046306
Filing Date :02/08/2011
(87) International Publication No :WO 2012/018845
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
The present invention relates to tissue supporting medical devices and drug delivery systems and more particularly to tubular flexible stents that are implanted within a body lumen of a living animal or human to support the organ maintain patency and/or deliver drugs or agents. The tubular flexible stent has a cylindrical shape defining a longitudinal axis and includes a helical section having of a plurality of longitudinally oriented strut members (113) and a plurality of circumferentially oriented hinge members (114c) connecting circumferentially adjacent strut members to form a band. The band is wrapped about the longitudinal axis in a substantially helical manner to form a plurality of helical windings. At least one connector member extends between adjacent windings.

No. of Pages : 54 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.889/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ANTI VIBRATION HANDLE COMPRISING A TENSILE LOADED SWITCH CONNECTION

(51) International classification :B25D17/04
(31) Priority Document No :10 2010 038 753.3
(32) Priority Date :02/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/059871
Filing Date :15/06/2011
(87) International Publication No :WO 2012/016745
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)BRAUN Willy**

(57) Abstract :
The present invention relates to an electric machine tool, in particular a drilling machine and/or a chisel hammer, comprising a first actuating device and a second actuating device being arranged at a distance from the first actuating device, wherein the first actuating device is mechanically connected to the second actuating device by means of a switching connector which is to be loaded in tension only.

No. of Pages : 13 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.777/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PROCESS INCLUDING CONVERTING RESISTIVE POWDER TO FUSED HEATER ELEMENT USING LASER METAL DEPOSITION APPARATUS

(51) International classification :C23C14/28,B05D3/00
(31) Priority Document No :61/367892
(32) Priority Date :27/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/045267
Filing Date :26/07/2011
(87) International Publication No :WO 2012/015772
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)KNAPP John**

(57) Abstract :
A process (200) comprising: a transfer operation (204) including transferring a resistive powder (106) to an electrically insulated element (102); and a converting operating (206) including converting at least some of the resistive powder (106) to a fused heater element (108) by using a laser metal deposition apparatus (110) the fused heater element (108) being fused to the electrically insulated element (102)

No. of Pages : 14 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.799/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : TURBOCHARGER

(51) International classification :F02B39/00,F01D25/24,F02B39/16
(31) Priority Document No :102010033966.0
(32) Priority Date :11/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/US2011/046528
Filing Date :04/08/2011
(87) International Publication No :WO 2012/021361
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)MAAS Ulrich**
**2)WALTER Norbert**

(57) Abstract :
The invention relates to a turbocharger (1) having a turbine housing (2) having a compressor housing (3) which has a compressor outlet (20) and having a silencer (21) which is arranged on an end region (22) on the compressor outlet (20) and which has a silencer housing (23) in which an insert part (25) is arranged so as to form at least one buffer chamber (24) which is connected via at least one opening (26) to an air guiding duct (27) wherein the opening (26) has an edge (28) with a radially inner corner (29) which is designed so as not to have a sharp edge.

No. of Pages : 11 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.824/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DRY STORAGE STABILIZING COMPOSITION FOR BIOLOGICAL MATERIALS

(51) International classification :A23L3/40,A23L3/3463,C12N1/00
(31) Priority Document No :61/373711
(32) Priority Date :13/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/047547
Filing Date :12/08/2011
(87) International Publication No :WO 2012/021783
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)TANG Qiong**

(57) Abstract :
The present invention includes compositions and drying methods for preserving sensitive bioactive materials such as peptides proteins hormones nucleic acids antibodies drugs vaccines yeast bacteria (probiotic or otherwise) viruses and/or cell suspensions in storage. The compositions include a carbohydrates component and a glass enhancer component wherein the carbohydrate component includes a mixture of di oligo and polysaccharides and the glass enhancer includes ions of organic acid and protein hydrolysates. The composition is prepared by dispersing all the solid components in a solution and then snap frozen to form small beads strings or droplets. The preferred drying method of the frozen beads strings or droplets is initiated by a short purging and structure stabilizing step of the frozen particles under a vacuum pressure of less than <2000 mTORR followed by a primary drying step under vacuum pressure of more than >2000 mTORR and at a desired temperature. During the secondary and final drying step of the material a full vacuum pressure and elevated temperature are applied to achieve a final desirable water activity of the dry material.

No. of Pages : 45 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.850/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : REGULATION OF GLYPICAN 4 ACTIVITY TO MODULATE THE FATE OF STEM CELLS AND USES THEREOF

(51) International classification :C07K14/47,C12N5/0735,A61K35/12
(31) Priority Document No :10305836.8
(32) Priority Date :29/07/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/063115
Filing Date :29/07/2011
(87) International Publication No :WO 2012/013784
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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**2)FICO Annalisa**
**3)MAINA Flavio**

(57) Abstract :
The present invention thus relates to stem cells or progenitor cells wherein the expression and/or activity of a member of the glypican family is reduced or abolished for use for the treatment of a pathological condition selected from the group consisting of a degenerative disease a cardiac disorder a metabolic disease and an injury by stem cell based therapy.

No. of Pages : 69 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.891/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HOLDING DEVICE FOR FUEL INJECTOR

(51) International classification :F02M65/00
(31) Priority Document No :10 2010 038 760.6
(32) Priority Date :02/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/062886
Filing Date :27/07/2011
(87) International Publication No :WO 2012/016894
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)KORDASS Sven**
**3)HOSS Reinhard**
**4)PARUCHURI Neela Lohith**

(57) Abstract :
A holding device (14) for a fuel injector (26) has a receptacle (18), which is designed for accommodating the fuel injector (26), and a fixing device (30, 36), which has a first part (30) and a second part (36) which are mounted in a guide (16a, 16b) so as to be displaceable with respect to the receptacle (18). The second part (36) can be fixed to the guide (16a, 16b), and an elastic element (42) is arranged between the first part (30) and the second part (36) of the fixing device (30, 36) in such a way that it is able to press the first part of the fixing device (30, 36) against a fuel injector (26) arranged in the receptacle (18) in order to fix said fuel injector (26) in the holding device (14). The invention also comprises a mounting device (2) for fuel injectors (26), having at least one holding device (14) according to the invention, P which is elastically fastened to the mounting device (2).

No. of Pages : 17 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.771/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CHROMATOGRAPHY MEDIA AND METHOD

(51) International classification :B01D15/36,B01J20/285,C07K1/18
(31) Priority Document No :61/369331
(32) Priority Date :30/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/045519
Filing Date :27/07/2011
(87) International Publication No :WO 2012/015908
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
Adsorptive media for chromatography particularly ion exchange chromatography derived from a shaped fiber. In certain embodiments the functionalized shaped fiber presents a fibrillated or ridged structure which greatly increases the surface area of the fibers when compared to ordinary fibers. Also disclosed herein is a method to add surface pendant functional groups that provides cation exchange or anion exchange functionality to the high surface area fibers. This pendant functionality is useful for the ion exchange chromatographic purification of biomolecules such as monoclonal antibodies (mAbs).

No. of Pages : 102 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.856/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SYSTEM FOR COOLING AN ELECTRICAL BATTERY AND BATTERY INCLUDING SUCH A SYSTEM

(51) International classification :H01M10/50,B60K1/04
(31) Priority Document No :1056272
(32) Priority Date :29/07/2010
(33) Name of priority country :France
(86) International Application No :PCT/EP2011/063124
Filing Date :29/07/2011
(87) International Publication No :WO 2012/013789
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**3)GOUNOT Denys**

(57) Abstract :
The invention relates to an electrical battery, including a casing (1) and a set of energygenerating cells (2). According to the invention: said battery includes at least one longitudinal arrangement (3, 4) consisting of at least some of said cells, the cells (2) of said arrangement being urged against one another while being maintained secured together by a compression means (5, 6) compressing said cells (2) along or substantially along the longitudinal axis of the arrangement; said longitudinal arrangement (3,4) is attached to said casing (1) via said compression means (5, 6), which is at least partially attached to said casing (1) by attachment members; and said battery includes a cooling system, said cooling system comprising at least one electrically insulating and thermally conductive layer (8) that thermally connects at least the cells of said at least one longitudinal arrangement (3,4) to a single heat-dissipation surface (12, 14) placed in said casing or formed by at least one of the walls of said casing so as to ensure a uniform discharge, toward said dissipation surface, of the thermal energy generated by each of the cells of said arrangement, said layer or at least one of said electrically insulating and thermally conductive layers consisting of a thermal gel (8).

No. of Pages : 22 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.881/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : IMPELLER ROTARY MACHINE WITH IMPELLER AND METHOD FOR MANUFACTURING IMPELLER

(51) International classification :F04D29/28,F04D29/22
(31) Priority Document No :2011185838
(32) Priority Date :29/08/2011
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/078790
Filing Date :13/12/2011
(87) International Publication No :WO 2013/031038
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
This impeller (1) i s provided with: blades (6) which are arranged in the circumferential direction so as to extend □ from the inner peripheral side toward the outer peripheral side in the radial direction; a disk (7) which i s provided on the second side of the blades (6) in the axial direction, to wmch the blades (6) are attached, and which i s attached to a rotating shaft (S); and a shroud (8) whicn i s provided on the first side of the blades (6) in the axial direction and to which the blades (6) are attached. Flow paths (3) are formed by the blades (6), the disk (7), and the shroud (8). The impeller (1) i s also provided with: a first member (4) on which the blades (6), the shroud (8), and the portion (7a) of the disc (7) which i s located on the second side in the axial direction are integrally formed; and a second member (5) which forms the portion (7b) of the disk (7) which i s located on the first side in the axial direction.

No. of Pages : 36 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.898/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : VEHICLE BODY TILTING DEVICE FOR RAILWAY VEHICLE

(51) International classification :B61F5/22,B61F5/10,B60G99/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2010/068170
Filing Date :15/10/2010
(87) International Publication No :WO 2012/049769
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
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**4)KAMIKAWA Naohide**

(57) Abstract :
The present vehicle body tilting device for a railway vehicle is a device for controlling the tilt of the vehicle body by exchanging compressed air between a pair of left and right air springs (3L, 3R). The vehicle body tilting device for a railway vehicle has: a control valve (33) for tilt operation, connected between the pair of air springs (3L, 3R); a pump (34) for tilt operation, 10 connected between the pair of left and right air springs (3L, 3R) through the control valve (33) for tilt operation; and a control device (20) for controlling both the control valve (33) for tilt operation and the pump (34) for tilt operation. The control valve (33) for tilt operation forms a circulation flow path (35, 36) for allowing compressed air, which is delivered by the pump (34) for tilt operation, to circulate therethrough. Before controlling the tilt of the vehicle body, the 15 control device (20) drives in advance the pump (34) for tilt operation, circulates the compressed air within the circulation flow path (35, 36) to provide a delivery standby state, changes over at predetermined timing the position of the control valve (33) for tilt operation, > and delivers the compressed air from one of the pair of left and right air springs (3L, 3R) to the other.

No. of Pages : 37 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.830/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FERRULE WITH PROTRUDING FIBERS

(51) International classification :G02B6/38
(31) Priority Document No :12/872391
(32) Priority Date :31/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/001479
Filing Date :23/08/2011
(87) International Publication No :WO 2012/030378
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)GURRERI Michael Lawrence**
**3)BUIJS Marcellus P.j.**

(57) Abstract :
A ferrule assembly (100) includes a ferrule body (101) defining a plurality of bores (105) and having an end face (102) with an inner portion (103) and outer portions (104) on opposite sides of said inner portion. It also includes a plurality fibers (106) disposed in said bores and protruding beyond said end face (102). It further includes a protruding element (107) on each outer portion (104) said protruding element having a first or second configuration. In said first configuration said protruding element comprises a portion of said outer portion that protrudes beyond said inner portion but not as far as said fibers protrude. In said second configuration said protruding element comprises at least one fiber in a bore in said outer portion that protrudes beyond any fiber in a bore in said inner portion.

No. of Pages : 27 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.844/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : LIFTING COLUMN PREFERABLY FOR HEIGHT ADJUSTABLE TABLES

(51) International classification :A47B9/20
(31) Priority Document No :PA 2010 00688
(32) Priority Date :29/07/2010
(33) Name of priority country :Denmark
(86) International Application No :PCT/DK2011/000088
Filing Date :29/07/2011
(87) International Publication No :WO 2012/013190
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
Lifting column preferably for height adjustable tables said lifting column comprising at least two relative to each other telescopically arranged members (2a 2b 2c). At least one slider (11) is arranged between the two members (2a 2b 2c) said slider being secured to one of the members (2b). The problem is play between the members (2a 2b 2c) resulting in an unstable lifting column. For solution of this problem the member (2b) to which the slider (11) is secured is furnished with a resilient section (17) outlined by a groove (16 18) against which at least a part of the slider (11) rests. The resilient section (17) can push the slider (11) into firm engagement against the two members (2b 2c) at which a stable lifting column which is free from play is achieved.

No. of Pages : 26 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.870/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : IMAGE PREDICTION ENCODING DEVICE IMAGE PREDICTION ENCODING METHOD IMAGE PREDICTION ENCODING PROGRAM IMAGE PREDICTION DECODING DEVICE IMAGE PREDICTION DECODING METHOD AND IMAGE PREDICTION DECODING PROGRAM

(51) International classification :H04N7/32
(31) Priority Document No :2010163245
(32) Priority Date :20/07/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/066120
Filing Date :14/07/2011
(87) International Publication No :WO 2012/011432
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
Disclosed are an image prediction encoding device, an image prediction encoding method, an image prediction encoding program, an image prediction decoding device, an image pre diction decoding method, and an image prediction decoding program wherein an encoding area within an image is divided into a plurality of prediction regions. Candidates for motion information to be used in the generation of prediction signals for a target prediction region that is the next prediction region are selected fiOm encoded motion information for the region adjacent to the target prediction region, based on prediction information for an adjacent region which is adjacent to the target region, the number of encoded prediction regions within the target region, and the encoded prediction information for the target region. Merge block information, which instructs the generation of prediction signals for the target prediction area that has used the selected candidates for motion information, and motion information detected by a prediction infor mation estimation means, or one of either said merge block information or said movement infor mation is encoded, and motion information used to generate prediction signals for the target prediction area is saved by a prediction information saving means.

No. of Pages : 176 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.915/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : INSTALLATION OF TUBULAR STRINGS WITH LINES SECURED THERETO IN SUBTERRANEAN WELLS

| | |
|---|---|
| (51) International classification | :E21B17/00,E21B17/02,E21B19/00 |
| (31) Priority Document No | :12/846482 |
| (32) Priority Date | :29/07/2010 |
| (33) Name of priority country | :U.S.A. |
| (86) International Application No<br>Filing Date | :PCT/US2011/044659<br>:20/07/2011 |
| (87) International Publication No | :WO 2012/015641 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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**1)KUO Nicholas A.**

(57) Abstract :
A system which attaches at least one line to a tubular string can include at least one clip pivotably secured on one side of a recess. At least one structure is positioned on an opposite side of the recess. Rotation of the clip into engagement with the structure secures the line in the recess. A method of attaching at least one line to a tubular string can include securing the line to a support on the tubular string as the tubular string is being conveyed into a wellbore. The securing step further includes rotating at least one clip into engagement with at least one structure thereby preventing removal of the line from a recess formed in the support.

No. of Pages : 23 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.817/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FLEXIBLE BODY ARMOR VEST WITH BREAST PLATE

(51) International classification :A41D1/04,A41D1/00
(31) Priority Document No :12/845386
(32) Priority Date :28/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/044629
Filing Date :20/07/2011
(87) International Publication No :WO 2012/128782
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)HURST David A.**
**3)STEENKAMER David A.**
**4)ARVIDSON Brian D.**
**5)WAGNER Lori L.**

(57) Abstract :
Body armor vests and other articles having combined ballistic performance and overall weight characteristics are described. A representative body armor vest comprises both a rigid breast plate and a flexible fabric adjoining the breast plate. Both components may comprise a plurality of unidirectionally oriented fibrous layers comprising fibers having high tenacity and a high tensile modulus.

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.883/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ROLLER TABLE OF A ROLLING TRAIN

(51) International classification :B21B39/12
(31) Priority Document No :10171182.8
(32) Priority Date :29/07/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/061354
Filing Date :06/07/2011
(87) International Publication No :WO 2012/013459
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)RUPP J¼rgen**
**2)BISCHOFF Martin**
**3)SCHMIDT Birger**

(57) Abstract :
The invention relates to a roller table (1 1 ) for transporting a rolled product (5 5 ) in a rolling train wherein the roller table (1 1 ) comprises at least two drive segments operated via converters (2a 2b). According to the invention at least one sub segment (c) of the roller table (1 1 ) can be switched by means of a switchover unit (3) on a first converter (2a) and/or on a second converter (2b). According to the invention the rolling train is made more flexible compared to known solutions while having the same number of converters.

No. of Pages : 11 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.899/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : NETWORK NODES AND METHODS CONFIGURED FOR UPDATING NEIGHBOR CELL INFORMATION IN A RADIO COMMUNICATIONS SYSTEM COMPRISING AT LEAST ONE RADIO ACCESS TECHNOLOGY NETWORK

| | |
|---|---|
| (51) International classification | :H04W36/00 |
| (31) Priority Document No | :PCT/EP2010/061562 |
| (32) Priority Date | :09/08/2010 |
| (33) Name of priority country | :EPO |
| (86) International Application No | :PCT/EP2011/063615 |
| Filing Date | :08/08/2011 |
| (87) International Publication No | :WO 2012/019994 |
| (61) Patent of Addition to Application Number | :NA |
| Filing Date | :NA |
| (62) Divisional to Application Number | :NA |
| Filing Date | :NA |

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)NAKAMATA Masatoshi**
**2)KORDYBACH Krzysztof**

(57) Abstract :
The present invention refers to network nodes and methods being configured for updating neighbor cell information in a radio communications system comprising at least one Radio Access Technology network. The radio communications system comprises a mobile terminal a first network node controlling a first cell a second network node controlling a second cell the first network node broadcasting a first neighbor cell list and the second network node broadcasting a second neighbor cell list. The method comprises the steps of receiving by the second network node from the mobile terminal an indicator with the indicator indicating a missing neighbor cell relation entry in the first neighbor cell list the neighbor cell relation entry representing a neighbor cell relation between the first cell and the second cell; and sending from the second network node to the first network node a cell identifier the cell identifier uniquely identifying the second cell and first cell specific information technically characterizing the second cell the first cell specific in formation permitting updating the first neighbor cell list with the missing neighbor cell relation entry.

No. of Pages : 34 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.917/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : TISSUE ACQUISITION ARRANGEMENTS FOR SURGICAL STAPLING DEVICES

(51) International classification :A61B17/11,A61B17/115
(31) Priority Document No :12/846964
(32) Priority Date :30/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/045530
Filing Date :27/07/2011
(87) International Publication No :WO 2012/015917
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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Address of Applicant :4545 Creek Road Cincinnati OH 45242 U.S.A.
(72)**Name of Inventor :**
**1)SHELTON IV Frederick E.**
**2)WILLIS John W.**

(57) Abstract :
A surgical instrument that includes an elongated shaft that defines defining a central axis. The elongated shaft may have a distal end portion that is configured to operably support a circular staple cartridge therein. A tissue acquisition shaft may be axially movable within the elongated shaft such that a distal end portion of the tissue acquisition shaft may be distally advanced beyond the distal end portion of the elongated shaft. At least one tissue acquisition member may be pivotally attached to the distal end portion of the tissue acquisition shaft such that at least one tissue acquisition member is selectively pivotable about a corresponding acquisition axis that is substantially parallel to the central axis from a retracted position to deployed positions upon application of a deployment motion thereto. Various embodiments include an annular cutting member that is supported by the distal end of the elongated shaft for selective axial travel relative thereto.

No. of Pages : 102 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.675/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : LINEAR DNA MOLECULE DELIVERY USING PEGYLATED QUANTUM DOTS FOR STABLE TRANSFORMATION IN PLANTS

| | |
|---|---|
| (51) International classification | :C12N15/87,C12N15/82,A01H5/00 |
| (31) Priority Document No | :61/362224 |
| (32) Priority Date | :07/07/2010 |
| (33) Name of priority country | :U.S.A. |
| (86) International Application No<br>Filing Date | :PCT/US2011/043221<br>:07/07/2011 |
| (87) International Publication No | :WO 2012/006443 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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**2)YAU Kerrm Y.**
**3)BURROUGHS Frank G.**
**4)SAMUEL Jayakumar Pon**
**5)WEBB Steven R.**

(57) Abstract :
Methods for introducing a linear nucleic acid molecule of interest into a cell comprising a cell wall include use of nanoparticles coated with polyethylene glycol. In some embodiments the cell comprising a cell wall is a plant cell. Methods include genetically or otherwise modifying plants and for treating or preventing disease in plant cells comprising a cell wall. Transgenic plants include a nucleic acid molecule of interest produced by regeneration of whole plants from plant cells transformed with linear nucleic acid molecules.

No. of Pages : 46 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.723/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : LOAD MANAGEMENT AWARE FAN CONTROL

(51) International classification :F24F11/02,F24F7/10
(31) Priority Document No :12/839522
(32) Priority Date :20/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/044531
Filing Date :19/07/2011
(87) International Publication No :WO 2012/012422
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)COFFEL James A.**
**2)ROGNLI Roger W.**
**3)ALLMARAS Kevin C.**
**4)SIMONSON Brock M.**

(57) Abstract :
A fan control device for overriding normal operation of a circulation fan delivering conditioned air through ductwork in an unconditioned space. The fan control device includes a detection circuit and a fan relay. The detection circuit is configured to detect a cooling system control voltage and a cooling system control current and to output a fan control override signal when the cooling system control voltage is detected and the cooling system control current is absent.

No. of Pages : 36 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.847/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SEALING RING FOR A PISTON PUMP

(51) International classification :F04B53/02,F04B53/16,F16J15/32
(31) Priority Document No :10 2010 039 439.4
(32) Priority Date :18/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/060287
Filing Date :21/06/2011
(87) International Publication No :WO 2012/022519
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)GOSSE Daniel**

(57) Abstract :
A sealing ring (10a, 10b) for a piston pump (12a) for a dynamically sealing a piston (16a) belonging to a piston pump (12a) and guided in a piston housing (14a) or guide ring, wherein the sealing ring (10a, 10b) is to be arranged on an outer circumference of the piston (16a), forming a running surface (18a, 18b), having an annular base (20a, 20b), on the outer circumferential surface (22a, 22b) of which at least one circumferential groove (24a, 24b) is formed and on the inner circumferential surface (26a, 26b) of which at least one circumferential sealing lip (28a, 28b) is formed, of which the limbs (30a, 30b, 31a, 31b), each form a defined angle (pia, P2a) with the running surface (18a, 18b) when the sealing P ring (10a, 10b) is installed, and also a corresponding piston pump (12a) having such a sealing ring (10a, 10b). Starting from the initial angle (ala, a2a, alb, a2b), the defined angles (pia, P2a) are achieved by deforming the sealing ring (10a, 10b) during installation, wherein the sealing ring (10a, 10b) experiences twisting (ya, yb) about a center of its profile during the installation.

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.872/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SHAVING CARTRIDGE WITH SUPPRESSED BLADE GEOMETRY

(51) International classification :B26B21/40
(31) Priority Document No :12/849429
(32) Priority Date :03/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/046411
Filing Date :03/08/2011
(87) International Publication No :WO 2012/018905
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)WALKER Vincent Paul JR.**
**2)WITKUS Stephen Charles**

(57) Abstract :
A shaving cartridge (12) with a housing (16) a cap (22) and a guard (20). The guard has an upper skin contacting surface (42). The cap has a top surface (50) a front edge (52) and an arcuate surface (58) connecting the top surface and the front edge. A first blade (18a) between the cap and the guard has a cutting edge (21a) nearest the cap. A second blade (18b) between the cap and the guard has a cutting edge (21b) nearest the guard. The first and second blades define a blade plane (PI) tangent to the cutting edges. The blade plane is positioned below both (i) the upper skin contacting surface of the guard and (ii) an intersection point (62) of the front edge and the top surface of the cap.

No. of Pages : 20 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.919/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : APPARATUS FOR PROTECTING ADJACENT STRUCTURES DURING THE INSERTION OF A SURGICAL INSTRUMENT INTO A TUBULAR ORGAN

| | |
|---|---|
| (51) International classification | :A61B17/02,A61B17/34,A61B19/00 |
| (31) Priority Document No | :12/846952 |
| (32) Priority Date | :30/07/2010 |
| (33) Name of priority country | :U.S.A. |
| (86) International Application No<br>Filing Date | :PCT/US2011/045508<br>:27/07/2011 |
| (87) International Publication No | :WO 2012/015899 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

(71)**Name of Applicant :**
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**1)SHELTON Frederick E. IV**
**2)WILLIS John W.**
**3)LEVAC Robbie D.**

(57) Abstract :
A device for protecting tissues and structures adjacent to a tubular organ during performance of a surgical procedure on a portion of the tubular organ. Various embodiments may comprise a member that may be deployed through a surgical instrument in a first configuration and expanded to a second configuration such that when in the second configuration the protective member may extend substantially around an outer circumference of the portion of the tubular organ.

No. of Pages : 100 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.814/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CHIMERIC CLOTTING FACTORS

(51) International classification :C12N9/96,A61K38/48,A61K38/36
(31) Priority Document No :61/363186
(32) Priority Date :09/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/043597
Filing Date :11/07/2011
(87) International Publication No :WO 2012/006633
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)PETERS Robert**
**3)BITONTI Alan**

(57) Abstract :
Chimeric clotting factors which localize the therapeutic to sites of coagulation (e.g. by being targeted to platelets or being activatable at sites of coagulation) have reduced clearance rates have improved manufacturability have reduced thrombogenicity have enhanced activity or have more than one of these characteristics are described as are methods for making chimeric clotting factors and methods for improving hemostasia using these clotting factors.

No. of Pages : 243 No. of Claims : 82

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.828/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A DEVICE AND METHOD FOR COLLECTING A BLOOD SAMPLE

(51) International classification :A61B5/15
(31) Priority Document No :61/365388
(32) Priority Date :19/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/044501
Filing Date :19/07/2011
(87) International Publication No :WO 2012/012400
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)PETERSON Bart D.**
**2)DAVIS Bryan G.**
**3)MCKINNON Austin Jason**

(57) Abstract :
A vent plug is disclosed that includes a body having a distal end a proximal end and a lumen extending through the distal and proximal ends. A membrane is disposed across the lumen the membrane being hydrophobic and air permeable. A fluid chamber is formed within the lumen distal the membrane. A distal lumen opening being shaped and sized to retain blood within the lumen until the internal pressure of the lumen increases in response the a finger pressing against a proximal lumen opening.

No. of Pages : 24 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.841/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DESIGNER OSTEOGENIC PROTEINS

(51) International classification :A61K38/18,C07K14/51
(31) Priority Document No :61/375636
(32) Priority Date :20/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2011/053638
Filing Date :17/08/2011
(87) International Publication No :WO 2012/023113
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)BROWN Christopher Todd**
**3)CAIN Michael John**
**4)CALABRO Valerie Perrine**
**5)JUO Zong Sean**
**6)MARTINEZ Robert Vincent Paul**
**7)SEEHERMAN Howard Joel**
**8)WOZNEY John Martin**

(57) Abstract :
The invention relates to novel designer osteogenic proteins having altered affinity for a cognate receptor nucleic acids encoding the same and methods of use therefor. More preferably the novel designer osteogenic proteins are designer BMPs and have altered affinity for a cognate BMP receptor. The designer BMPs demonstrate altered biological characteristics and provide potential useful novel therapeutics.

No. of Pages : 145 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.854/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD AND DEVICE FOR ESTIMATION OF WEIGHT OF A VEHICLE

(51) International classification :F16H59/52,G01G19/08
(31) Priority Document No :10507721
(32) Priority Date :09/07/2010
(33) Name of priority country :Sweden
(86) International Application No :PCT/SE2011/050894
Filing Date :01/07/2011
(87) International Publication No :WO 2012/005670
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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**2)–HLUND Erik**
**3)MOLIN Patrik**

(57) Abstract :
The present invention relates to a method and a device for estimation of a weight of a vehicle. The method for estimating the weight comprises the steps of calculating at least a first weight mi of the vehicle, detecting whether unloading/loading of the vehicle has taken place, and 5 estimating a second weight rri2 of the vehicle on the basis of information about its previous weight. The invention further relates to a computer programme and a computer programme product, to use of a weight estimated according to the invention, and to a motor vehicle comprising at least one such device.

No. of Pages : 25 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.922/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR IMPARTING STRESS TOLERANCE TO PLANT COMPOSITION FOR IMPARTING STRESS TOLERANCE TO PLANT AND UTILIZATION THEREOF

| | |
|---|---|
| (51) International classification | :A01G7/00,A01N43/16,A01N65/00 |
| (31) Priority Document No | :NA |
| (32) Priority Date | :NA |
| (33) Name of priority country | :NA |
| (86) International Application No<br>Filing Date | :PCT/JP2010/062063<br>:16/07/2010 |
| (87) International Publication No | :WO 2012/008042 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)NOMURA Takayuki**
**2)KAMEI Masatoshi**

(57) Abstract :
A method for imparting a stress tolerance to a plant that can provide tne plant with such a stress tolerance that enhances growth in an environment where a variety of stresses on the plant occur is provided. The method for imparting a stress 5 tolerance to a plant includes the step of applying, to a plant placed under a stressful cultivation condition that yields a plant stress level of 111 to 200%, a plant stress tolerance imparting composition containing at least one cellulose derivative selected from the group consisting of methyl cellulose (MC), hydroxymethyl cellulose (HMC), ethyl cellulose (EC), hydroxyethyl cellulose (HEC), propyl cellulose (PC), 10 hydroxypropyl cellulose (HPC), hydroxypropyl methyl cellulose (HPMC), hydroxyethyl methyl cellulose (HEMC), hydroxyethyl propyl cellulose (HEPC), methyl ethyl cellulose (MEC), methyl propyl cellulose (MPC) and ethyl propyl cellulose (EPC); catechinsJ and water, the cellulose derivative being contained in an amount of 45.0 to 99.5 wt% of the total components of the plant stress tolerance imparting composition 15 except water. The present invention also provides the plant stress tolerance imparting composition and use of the plant stress tolerance imparting composition.

No. of Pages : 36 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.752/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PASSIVELY SHIELDING NEEDLE ASSEMBLY WITH SKIN SENSOR

| | |
|---|---|
| (51) International classification | :A61B5/153,A61M5/158,A61M5/32 |
| (31) Priority Document No | :NA |
| (32) Priority Date | :NA |
| (33) Name of priority country | :NA |
| (86) International Application No<br>Filing Date | :PCT/US2010/043726<br>:29/07/2010 |
| (87) International Publication No | :WO 2012/015415 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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**1)NEWBY C. Mark**

(57) Abstract :
A shielding needle assembly is provided with a hub having a needle cannula with a puncture tip extending from a forward end thereof and a shield member in telescoping association with the hub. A drive member biases the hub and the shield member away from each other for relative telescopic movement between a first position in which the puncture tip extends from a forward end of the shield member and a second position in which the puncture tip is encompassed within the shield member. A pivoting lever maintains the hub and the shield member in the first position against the bias of the drive member with the needle cannula exposed for use. The lever is pivotable during contact with a patient s skin surface such as during venipuncture thereby releasing the hub and the shield member from the first position and permitting the drive member to bias the hub and the shield member toward the second position.

No. of Pages : 45 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.765/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR MANUFACTURING HIGH NITROGEN STEEL WIRE AND OVERHEAD POWER LINE USING SAME

(51) International classification :H01B1/02,H01B13/00,H02G1/02
(31) Priority Document No :1020100071593
(32) Priority Date :23/07/2010
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2010/005069
Filing Date :02/08/2010
(87) International Publication No :WO 2012/011622
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)KU Jae Kwan**

(57) Abstract :
Disclosed are a method for manufacturing a nonmagnetic high-nitrogen steel wire, and an overhead power line adopting the high-nitrogen steel wire as the core thereof. According to one embodiment, the method for manufacturing high-nitrogen steel wire comprises the steps of: injecting argon (Ar) gas to reach atmospheric pressure after having first adjusted the pressure to 6x105 torr for an initial vacuum using a pressurized vacuum induction melting (VIM) furnace; and injecting nitrogen gas to reach a pressure of 2 atmospheres after having first adjusted the pressure to 6x105 torr for a second vacuum, and melting a nitrogen steel alloy consisting of 25 to 35 wt % of Mn, 25 to 35 wt % of Cr, 10 to 20 wt % of Ni, 0.5 to 1.0 wt % of C, and 20 to 35 wt % of Fe, which are alloy elements constituting nitrogen steel. The high-nitrogen steel wire manufactured in this manner has a nitrogen content ratio higher than 12,000 ppm, excellent mechanical strength, and nonmagnetic characteristics. By using this high-nitrogen steel wire, an overhead aluminum power line with a nonmagnetic steel core for reducing power loss and increasing power transmission capacity can be provided..

No. of Pages : 22 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.811/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : APPARATUS FOR DISEASE DETECTION

(51) International classification :G01N33/53,G01N27/26,C12Q1/68
(31) Priority Document No :61/360041
(32) Priority Date :30/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/042637
Filing Date :30/06/2011
(87) International Publication No :WO 2012/003348
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)YU Chris C.**
**2)DU Xuedong**
**3)YU He**

(57) Abstract :
Among others the present invention provides apparatus for detecting a disease comprising a system delivery biological subject and a probing and detecting device wherein the probing and detecting device includes a first micro device and a first substrate supporting the first micro device the first micro device contacts a biologic material to be detected and is capable of measuring at the microscopic level an electric magnetic electromagnetic thermal optical acoustical biological chemical physical or mechanical property of the biologic material.

No. of Pages : 178 No. of Claims : 319

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.926/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : IMMORTALIZED AVIAN CELL LINES

(51) International classification :C12N7/02,C12N15/90,C12N5/16
(31) Priority Document No :12/829773
(32) Priority Date :02/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2011/060952
Filing Date :29/06/2011
(87) International Publication No :WO 2012/001075
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)ERBS Philippe**
**2)KAPFER Marina**
**3)SILVESTRE Nathalie**

(57) Abstract :
This invention relates to immortalized avian cells including those deposited under accession numbers 09070701 09070702 and 09070703 at the ECACC and to the use of these cells for the production of viruses. The cells according to the invention are particularly useful for the production of recombinant viral vectors which can be used for the preparation of therapeutic and/or prophylactic compositions for the treatment of animals and more particularly humans.

No. of Pages : 54 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.751/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SUSPENSION DEVICE

(51) International classification :B60G11/12,B60G11/04
(31) Priority Document No :2010193543
(32) Priority Date :31/08/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/004754
Filing Date :26/08/2011
(87) International Publication No :WO 2012/029267
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)ENOMOTO Mitsuru**
**2)SATO Naoshi**
**3)SUGAWARA Yoshiharu**
**4)SHIBUYA Nobuhiro**

(57) Abstract :
A suspension device configured m such a manner that an axle (2) i s suspended at the intermediate section o f a sin gle leaf spring (5). The suspension device i s provided with: a first restriction means which, when the leaf spring (5) breaks at a p o - smon behind the intermediate section, restricts the downward tilt movement of the rear portion o f the leaf spring (5) relative t o a shackle (6); and a second restriction means (engagement claw (13)) for restricting the rearward pivoting o f the shackle (6) through an angle greater than or equal t o a predetermined angle. The first restriction means comprises a bush (12) whicn i s disposed at the portion o f the connection between the rear end o f the leaf spring (5) and the shackle (6), pivots integrally with the rear end of the leaf spring (5), and i s provided with a protrusion (12b) engaging with the shackle (6) at a predetermined pivoting position.

No. of Pages : 29 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.866/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CONTROL DEVICE CONTROL SYSTEM AND CONTROL METHOD

(51) International classification :G06F13/00
(31) Priority Document No :2010176531
(32) Priority Date :05/08/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/067130
Filing Date :27/07/2011
(87) International Publication No :WO 2012/017897
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)SONY CORPORATION**
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(72)**Name of Inventor :**
**1)IGARASHI Tatsuya**

(57) Abstract :
Provided are a novel and improved control device, control system, and control method, whereby selection of a control module for controlling the operation of a device to be controlled from a plurality of candidates is possible. The control device has an acquisition unit that obtains the control module selected fiOm a plurality of candidate control modules to which the processing procedure for control of the device to be controlled is written, and a control unit that controls the operation of the device to be controlled in accordance with the control module obtained by the acquisition unit.

No. of Pages : 42 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.878/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : COOKING AID

(51) International classification :A21B3/15,A23L1/00,A23L1/01
(31) Priority Document No :PCT/EP2010/061385
(32) Priority Date :05/08/2010
(33) Name of priority country :PCT
(86) International Application No :PCT/EP2011/060990
Filing Date :30/06/2011
(87) International Publication No :WO 2012/016768
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)HANGARTER Peter**
**3)VAN DER POL Johan Jacob**
**4)RESEMANN Jrg**

(57) Abstract :
A cooking aid comprising a sheet of flexible burn resistant material and a composition disposed on one face of the sheet the composition comprising a mixture of vegetable or animal oil with a melting point below 20 °C vegetable or animal fat with a melting point above 20 °C and one or more herbs spices and flavour enhancers.

No. of Pages : 11 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.893/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : RESISTANCE BASED MONITORING SYSTEM AND METHOD

(51) International classification :B66B5/12,B66B5/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2010/047445
Filing Date :01/09/2010
(87) International Publication No :WO 2012/030332
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)FARGO Richard N.**
**2)KEYO Peter**

(57) Abstract :
A monitoring system (24) for a support structure (16) is provided. The monitoring system (24) may include a resistance circuit (32) coupled to the support structure (16) and an interface circuit (34) coupled to the resistance circuit (32). The resistance circuit (32) may include a first set of resistors (40 40a h) and a second set of resistors (42 42a j) wherein the second set of resistors (40 40a h 42 42a j) is configured to provide a reference voltage. The interface circuit (34) may include one or more comparators (46) wherein each comparator (46) is configured to compare a voltage across at least one of the resistors (40 40a h 42 42a j) with the reference voltage and generate an output signal corresponding to the comparison. The interface circuit (34) may be configured to continuously monitor an effective resistance of the support structure (16) based on the output signals.

No. of Pages : 26 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.928/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : TRANSWALL VISUALIZATION ARRANGEMENTS FOR SURGICAL CIRCULAR STAPLERS

| | |
|---|---|
| (51) International classification | :A61B17/11,A61B17/115,A61B1/00 |
| (31) Priority Document No | :12/846956 |
| (32) Priority Date | :30/07/2010 |
| (33) Name of priority country | :U.S.A. |
| (86) International Application No<br>Filing Date | :PCT/US2011/045517<br>:27/07/2011 |
| (87) International Publication No | :WO 2012/015907 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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(72)**Name of Inventor :**
**1)SHELTON IV Frederick E.**
**2)WILLIS John W.**

(57) Abstract :
A surgical instrument is disclosed. Various embodiments include an elongated shaft that defines a central axis and has a distal end portion that is configured to operably support a circular staple cartridge therein. At least one detection member may be operably supported within the elongated shaft. Each detection member may have a distal portion that is radially deployable away from the central axis upon application of a deployment motion thereto. The distal end portions may have a bumper or light mounted thereto.

No. of Pages : 101 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2013

(21) Application No.680/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR THE INDUCTION BRAZING OF PARTS HAVING COMPLEX SHAPES AND SINGLE OR MULTIPLE BRAZING STATION FOR IMPLEMENTING SAME

(51) International classification :B23K1/002
(31) Priority Document No :1056270
(32) Priority Date :29/07/2010
(33) Name of priority country :France
(86) International Application No :PCT/FR2011/051768
Filing Date :21/07/2011
(87) International Publication No :WO 2012/022879
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)TURBOMECA**
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(72)**Name of Inventor :**
**1)MARTIN Amanda**

(57) Abstract :
The present invention relates to brazing parts having complex profiles while enabling reproducible implementation conditions to be defined. In particular the invention provides for adjusting the heat cycle during brazing by controlling and mapping heat while taking the emissivity coefficient of the material to be brazed into account. According to one embodiment a brazing station of the invention comprises a power generator (40) capable of supplying a predetermined voltage (U1) to a transformer (60) connected to a circuit forming a shape inductor (11) said circuit having the overall shape of the parts (3 4) to be brazed. Pressure means exert a load on the parts (3 4) to be brazed. A camera (13) establishes a heat map. A laser sighted infrared pyrometer (12) measures the brazing temperature by means of radiation (R) after parameterizing an emissivity coefficient the other parameters being fixed. A controller (50) supplies a set power to the generator (40) on the basis of the measured temperature.

No. of Pages : 23 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2013

(21) Application No.718/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FRICTION RING AND METHOD FOR PRODUCING SAME

(51) International classification :F16D13/54,F16D69/02,F16D13/64
(31) Priority Document No :10 2010 033 876.1
(32) Priority Date :10/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/003980
Filing Date :09/08/2011
(87) International Publication No :WO 2012/019751
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)OHR Andreas**
**2)BERGHEIM Michael**

(57) Abstract :
The invention relates to a friction ring, in particular for wet-running clutches or transmissions, having a carrier (10) and a friction lining (12), with a friction lining starting material (20) being a mixture at least of a thermosetting binder and a filler, and with the friction lining starting material (20) having a non-flowable, pasty 5 processing consistency and the friction lining (12) having a solid final consistency after processing on the carrier (10). The invention further relates to a method of producing such a friction ring.

No. of Pages : 20 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.823/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ADJUSTING DEVICE IN PARTICULAR FOR A VEHICLE SEAT

(51) International classification :B60N2/06,B60N2/08
(31) Priority Document No :10 2010 035 430.9
(32) Priority Date :26/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/064572
Filing Date :24/08/2011
(87) International Publication No :WO 2012/025570
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)NIEHUES Andreas**
**2)HUDCOVSKY Marian**

(57) Abstract :
The invention relates to an adjusting device for a vehicle J seat, comprising a guide element (3) for guiding a lever element (2), wherein the guide element (3) is in contact with a carrier rail (1) . According to the invention, at least one contact region of the guide element (3) comprises a profiled chamfer (4) in at least some sections.

No. of Pages : 11 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.930/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : AGGREGATE CONTAINING COKE AND TITANIUM AND USE THEREOF TO REPAIR THE LINING OF METALLURGICAL VESSELS

(51) International classification :C21B7/06,F27D1/16,C21B5/00
(31) Priority Document No :10 2010 038 831.9
(32) Priority Date :03/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/DE2011/075173
Filing Date :22/07/2011
(87) International Publication No :WO 2012/022343
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)AMIRZADEH ASL Djamschid**
**2)FNDERS Dieter**

(57) Abstract :
The invention relates to an aggregate containing coke and titanium, to a method for producing said aggregate, to the use of said aggregate to repair the lining of metallurgical vessels, and to a method for accelerating the formation of highly refractory titanium compounds by direct reduction in metallurgical processes.

No. of Pages : 14 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.947/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : WIDE BANDWIDTH HYBRID ANTENNA FOR COMBINATION EAS AND RFID LABEL OR TAG

(51) International classification :H01Q7/00,H01Q9/28,H01Q21/30
(31) Priority Document No :61/398816
(32) Priority Date :01/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/001162
Filing Date :29/06/2011
(87) International Publication No :WO 2012/002998
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)COPELAND Richard L.**
**2)DAY Edward**

(57) Abstract :
A radio frequency identification (RFID) antenna exhibiting a multiple resonance is disclosed. In one exemplary embodiment a dipole antenna and a loop antenna are disposed upon a substrate and have dimensions and orientation to exhibit the multiple resonance. The dipole antenna may exhibit a first dipole section having a first length and second dipole section having a second length. The loop antenna may be disposed in a region of the dipole antenna. The ratio of the perimeter of the loop antenna to the sum of the lengths of the dipole sections may be selected to exhibit the multiple resonance.

No. of Pages : 24 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.808/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : NEW AZACYCLIC COMPOUNDS

(51) International classification :C07D471/10,A61P3/10,A61K31/438
(31) Priority Document No :10172747.7
(32) Priority Date :13/08/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/063727
Filing Date :10/08/2011
(87) International Publication No :WO 2012/020035
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)CONTE Aurelia**
**3)HUNZIKER Daniel**
**4)NEIDHART Werner**
**5)NETTEKOVEN Matthias**
**6)SCHULZ GASCH Tanja**
**7)WERTHEIMER Stanley**

(57) Abstract :
The invention provides novel compounds having the general formula (I) wherein R Rand n are as described herein compositions including the compounds and methods of using the compounds.

No. of Pages : 40 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.863/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FLEXIBLE HELICAL STENT HAVING INTERMEDIATE STRUCTURAL FEATURE

(51) International classification :A61F2/90
(31) Priority Document No :61/369940
(32) Priority Date :02/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/046292
Filing Date :02/08/2011
(87) International Publication No :WO 2012/018834
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)SCHROEDER Valeska**

(57) Abstract :
The present invention relates to tubular stent and drug delivery systems. The stent (1100) has a cylindrical shape defining a longitudinal axis and includes helical section (1108) having of a plurality of longitudinally oriented strut members (1113) and a plurality of circumferentially oriented hinge members (1114) connecting circumferentially adjacent strut members to form a band. The band is wrapped about the longitudinal axis in a substantially helical manner form a plurality of helical windings. The helical section further includes a proximal section (1108a) a distal section (1108b) and an intermediate section (1120) wherein the band forming the proximal and distal sections has members with a first width at coincident points along the band length and the band forming the intermediate section has members with a second width greater than the first width at coincident points along the band length. The wider width in the intermediate section functionally separates the helical section into two subsections.

No. of Pages : 60 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.888/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR TRANSMITTING SENSOR DATA

(51) International classification :H04L1/08,H04L1/22,H04L12/40
(31) Priority Document No :10 2010 039 845.4
(32) Priority Date :26/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/063689
Filing Date :09/08/2011
(87) International Publication No :WO 2012/025375
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)SCHWARZE Klaus**

(57) Abstract :
The invention relates to a method and sensor arrangement (30) for transmitting sensor data. According to the method, a sensor (34) outputs an analog signal, a digital signal is generated as a function of the analog signal, the digital signal is encoded, and both the analog signal and the encoded digital signal are transmitted to a receiving unit (32).

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.924/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DEVICE FOR CONTROLLING PIVOTING BLADES OF A TURBINE ENGINE

(51) International classification :F01D17/16
(31) Priority Document No :1056338
(32) Priority Date :30/07/2010
(33) Name of priority country :France
(86) International Application No :PCT/FR2011/051833
Filing Date :28/07/2011
(87) International Publication No :WO 2012/013909
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)COLETTE Christophe**
**2)LALANNE Bernard**

(57) Abstract :
turbo-machine (10) having a plurality of pivotable vanes (22) distributed in azimuth over at least 90° around the axis (A) of the turbo-machine, said pivotable 10 vanes (22) being oriented substantially radially relative to the axis (A) of the turbo-machine, and a control ring portion (16) for controlling the pivoting of the vanes (22), each vane (22) being connected to the control ring portion (16) by a link (18, 19), the control ring portion 15 (16) being held around the axis (A) of the turbo-machine by the set of links (18, 19), wherein at least two links (18) are connected to the ring portion by respective ball-joint connections (20), with the other links (19) being connected to the ring portion via respective 20 sliding pivot connections (22).

No. of Pages : 23 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/01/2013

(21) Application No.956/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : WORKHOLDING APPARATUS FOR WORKPIECE TRANSFER

(51) International classification :B23B31/39,B23B31/16,B23Q7/04
(31) Priority Document No :61/382066
(32) Priority Date :13/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/050599
Filing Date :07/09/2011
(87) International Publication No :WO 2012/036941
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)RUSSELL Richard N.**

(57) Abstract :
A workholding apparatus (20) comprising a chuck body (22) first jaw members (26) and second jaw members (50) wherein the second jaw members are shaped to grip a workpiece (56 64) of a particular geometry. The jaw members are constructed to enable easy quick and manual replacement of the second jaw members. Each first jaw member (26) includes an outer fixed gripping member (30) and an opposed inner gripping member (32) shaped like a clasp and movable between an open release and a closed gripping position. Clasp (32) is pivotable about a pin (42).

No. of Pages : 23 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.877/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : BRUSHLESS DC MOTORIZATION APPARATUS

(51) International classification :H02K21/12,B60L15/04,H02K1/16
(31) Priority Document No :61/366956
(32) Priority Date :23/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2011/050441
Filing Date :20/07/2011
(87) International Publication No :WO 2012/009811
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)LEVESQUE Daniel**
**2)CROS Jr´me**

(57) Abstract :
A direct drive brushless DC motorization apparatus comprises an outer rotor with poles constructed with segments of permanent magnet material alternatively magnetized north and south. The outer rotor is adapted to be part of a wheel and rotating with the wheel about an axis thereof. A stator core of ferromagnetic material is spaced inwardly of said rotor to define a clearance gap with the rotor such that the rotor is rotatable about the stator core. The stator core has forty two slots and defines teeth therebetween. A three phase winding with coils of insulated wire is wound around the teeth of the stator core. The three phase winding is divided in two sets of consecutive teeth for each of the three phases with each of the two sets of a same phase being diametrically opposed in the stator core.

No. of Pages : 16 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.890/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR PRODUCING AN ELECTRICAL CIRCUIT AND ELECTRICAL CIRCUIT

(51) International classification :H01L23/373
(31) Priority Document No :10 2010 039 728.8
(32) Priority Date :25/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/061979
Filing Date :13/07/2011
(87) International Publication No :WO 2012/025294
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)GEINITZ Eckart**

(57) Abstract :
The invention relates to a method for producing an electrical circuit. A prefabricated substrate is provided, said substrate having a first and a second conductor layer and having a dielectric between the first and the second conductor layers. According to the invention, the first conductor layer is multiple times thicker than the second conductor layer. At least one component to be cooled is mounted on the first conductor layer of the prefabricated substrate, forming a heat-transferring connection between the component and the first conductor layer. The invention further relates to an electrical circuit produced in said manner. According to the invention, the electrical circuit comprises a prefabricated substrate which is produced £± having a first and a second conductor layer and a dielectric located there between. According to the invention, the first conductor layer is multiple times thicker than the second conductor layer. At least one component to be cooled is mounted on the first conductor layer. According to the invention, there is a heat-transferring connection between the component and the first conductor layer.

No. of Pages : 17 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.923/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : LINEAR CUTTING AND STAPLING DEVICE WITH SELECTIVELY DISENGAGEABLE CUTTING MEMBER

(51) International classification :A61B17/072
(31) Priority Document No :12/846986
(32) Priority Date :30/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/045555
Filing Date :27/07/2011
(87) International Publication No :WO 2012/015935
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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Address of Applicant :4545 Creek Road Cincinnati OH 45242 U.S.A.
(72)**Name of Inventor :**
**1)BAXTER Chester O. III**
**2)TSONTON Mark**

(57) Abstract :
A surgical stapling instrument including a selectively actuatable cutting member. The stapling instrument may be used as a surgical stapler without cutting tissue or if desired the surgeon may selectively actuate the cutting member to cut tissue as the staples are being deployed and formed. A stapling instrument can include an actuator knob that has at least one pusher bar attached thereto. Advancement of the actuator knob in a distal direction causes the pusher bars to apply a firing motion to the staples contained within a staple cartridge supported within the stapling instrument. A knife bar may be selectively coupleable to the actuator knob by a selector switch that is movable from an actuated position wherein movement of the actuator knob in the distal direction advances the knife bar which has a cutting blade portion to advance between rows of staples in the staple cartridge to an unactuated position wherein movement of the actuator knob advances the pusher bars without advancing the knife bar.

No. of Pages : 35 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/01/2013

(21) Application No.958/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR PRODUCING PRESSED ARTICLES CONTAINING COAL PARTICLES

(51) International classification :C10L5/04,C10L5/10,C10L5/14
(31) Priority Document No :A1179/2010
(32) Priority Date :12/07/2010
(33) Name of priority country :Austria
(86) International Application No :PCT/EP2011/061619
Filing Date :08/07/2011
(87) International Publication No :WO 2012/007385
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)SIEMENS VAI METALS TECHNOLOGIES GMBH**
Address of Applicant :Turmstrae 44 A 4031 Linz Austria
(72)**Name of Inventor :**
**1)HECKMANN Hado**
**2)STOCKINGER Josef**

(57) Abstract :
The invention relates to a method for producing pressed articles containing coal particles to the pressed articles obtained in this way and to the use of the pressed articles in methods for producing pig iron in a fixed bed or in methods for producing carbon carriers for methods for producing pig iron in a fixed bed. To this end at least a partial amount of the coal particles is subjected to at least two impregnation steps in which they are impregnated with at least one substance before being mixed with a binder system containing water.

No. of Pages : 34 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/01/2013

(21) Application No.740/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PROCESS FOR PRODUCING ACETIC ACID

(51) International classification :C07C51/12,C07C51/44
(31) Priority Document No :2010167239
(32) Priority Date :26/07/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/003971
Filing Date :11/07/2011
(87) International Publication No :WO 2012/014393
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)MIURA Hiroyuki**
**2)SHIMIZU Masahiko**
**3)UENO Takashi**
**4)YAMAGUCHI Kazuo**
**5)GOTO Kensuke**

(57) Abstract :
A production process of acetic acid comprises a reaction step for continuously allowing at least one member select ed from the group consisting of methanol, dimethyl ether, and methyl acetate to react with carbon monoxide in a catalyst system comprising a rhodium catalyst, an iodide salt, and methyl iodide in the presence of acetic acid and water in a reactor 1; a flash evaporation step for continuously feeding a flasher 2 with a liquid reaction medium withdrawn from the reactor 1 to separate a liq uid stream and a vaporized stream from the liquid reaction medium; and a distillation step for feeding a distillation column 3 with the vaporized stream for obtaining a purified acetic acid; wherein part of the vaporized stream is introduced into a heat exchanger 7 for condensation, and a liquefied stream condensed by the heat exchanger 7 is recycled to the reactor. The process achieves a production of acetic acid with a high purity in a resource-saving and energy-saving equipment by efficiently removing a reaction heat even in a large-sized plant.

No. of Pages : 33 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.867/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : IMAGING TUBERCULOSIS WITH PYRAZINAMIDE CONTRAST AGENTS

| | |
|---|---|
| (51) International classification | :A61K51/04,A61K103/00,A61K103/10 |
| (31) Priority Document No | :1975/DEL/2010 |
| (32) Priority Date | :20/08/2010 |
| (33) Name of priority country | :India |
| (86) International Application No<br>Filing Date | :PCT/EP2011/064382<br>:22/08/2011 |
| (87) International Publication No | :WO 2012/022812 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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(72)**Name of Inventor :**
**1)KUNIYIL KULANGARA Vijaya Raj**
**2)HEGDE Ravi**

(57) Abstract :
The present invention provides novel in vivo imaging agents useful for detecting the presence of mycobacteria using in vivo imaging methods. Also provided by the present invention is a precursor compound useful in the synthesis of the in vivo imaging agents of the invention and a method to obtain the in vivo imaging agent of the invention using said precursor compound. Methods of in vivo imaging and diagnosis in which the in vivo imaging agent of the invention finds use are also provided.

No. of Pages : 33 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.929/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : NOVEL BACTERIA AND METHODS OF USE THEREOF

(51) International classification :C12N1/20,C12P7/06,C12R1/145
(31) Priority Document No :61/368486
(32) Priority Date :28/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/NZ2011/000144
Filing Date :28/07/2011
(87) International Publication No :WO 2012/015317
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)HEIJSTRA Bjorn Daniel**
**2)KERN Evgenia**
**3)KOEPKE Michael**
**4)SEGOVIA Simon**
**5)LIEW FungMin**

(57) Abstract :
Clostridium autoethanogenumThis invention relates generally to the field of microbial fermentation of gases. It more particularly relates to a novel strain of bacteria with improved efficiency in the production of ethanol by anaerobic fermentation of substrates containing carbon monoxide (CO).

No. of Pages : 79 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.946/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CAPTURE OF MICRO ORGANISMS

(51) International classification :G01N33/569,C12Q1/04,G01N33/543
(31) Priority Document No :1011152.4
(32) Priority Date :02/07/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/051225
Filing Date :29/06/2011
(87) International Publication No :WO 2012/001407
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)STANLEY Christopher John**
**2)WILSON Stuart Mark**

(57) Abstract :
Mycobacteria Micro organisms including fungi viruses and bacteria such asand/or fragments of micro organisms such as cell wall components present in an aqueous liquid are captured to a solid surface by adding to said liquid a sufficient quantity of a water soluble polymer in the presence of said solid surface to displace said micro organisms and/or fragments from the liquid to the solid surface. The surface may be provided by a bead. The water soluble polymer may be polyethyleneglycol or polyvinylpyrrolidone.

No. of Pages : 28 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/01/2013

(21) Application No.984/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SYSTEMS AND METHODS FOR SECURE AGENT INFORMATION

(51) International classification :G06F21/24,G06F21/20
(31) Priority Document No :61/372293
(32) Priority Date :10/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/046888
Filing Date :08/08/2011
(87) International Publication No :WO 2012/021427
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)JAIN Amit**
**2)TANNER JR. Theodore C.**

(57) Abstract :
.Semantic information may be secured by an agent using one or more semantic security labels ( security predicates). The agent may be configured to allow other agents to access the semantic information according to a set of semantically expressed policies strategies and/or rules. A request to receive information may be mapped to a negotiation policy of the agent. The agent may evaluate the request against a semantic information sharing policy. If the information is accessible under the information sharing policy the information may be provided. If not the agent may negotiate information sharing terms using the negotiation ontology strategy and rules. Similarly the agent may request information from other entities. Terms of the information requests may be negotiated using the negotiation ontology strategy and rules.

No. of Pages : 33 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.879/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : POLYURETHANE WITH IMPROVED ABRASION RESISTANCE THE METHOD FOR PREPARING THE SAME AND USE THEREOF

| | |
|---|---|
| (51) International classification | :C08G18/10,C08G18/40,C08G18/63 |
| (31) Priority Document No | :201010240242.X |
| (32) Priority Date | :29/07/2010 |
| (33) Name of priority country | :China |
| (86) International Application No<br>Filing Date | :PCT/EP2011/062831<br>:26/07/2011 |
| (87) International Publication No | :WO 2012/013676 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

(71)**Name of Applicant :**
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**1)TORRES Sam**
**2)CAO Zhong**
**3)LIU Xiang**

(57) Abstract :
The present invention relates to a polyurethane with improved abrasion resistance. The reaction components comprise a certain content of polyisoprene. The polyurethane presented in this invention possesses improved abrasion resistance and good surface quality.

No. of Pages : 26 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.894/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PROCESS FOR THE PREPARATION OF INTERMEDIATES FOR THE MANUFACTURE OF NEP INHIBITORS

(51) International classification :C07C269/06,C07C271/22
(31) Priority Document No :PCT/CN2010/076245
(32) Priority Date :23/08/2010
(33) Name of priority country :China
(86) International Application No :PCT/EP2011/064410
Filing Date :22/08/2011
(87) International Publication No :WO 2012/025501
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)HOOK David**
**2)ZHOU Jianguang**
**3)LI Yunzhong**

(57) Abstract :
The invention relates to a new process for producing useful intermediates for the manufacture of NEP inhibitors or prodrugs thereof in particular NEP inhibitors comprising a y amino 5 biphenyl a methylalkanoic acid or acid ester backbone such as N (3 carboxyl 1 oxopropyl) (4S) (p phenylphenylmethyl) 4 amino (2R) methyl butanoic acid ethyl ester or salt thereof.

No. of Pages : 21 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.927/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CIRCULAR STAPLING INSTRUMENTS WITH SECONDARY CUTTING ARRANGEMENTS AND METHODS OF USING SAME

| | |
|---|---|
| (51) International classification | :A61B17/115,A61B17/34,A61B17/11 |
| (31) Priority Document No | :12/846968 |
| (32) Priority Date | :30/07/2010 |
| (33) Name of priority country | :U.S.A. |
| (86) International Application No<br>Filing Date | :PCT/US2011/045538<br>:27/07/2011 |
| (87) International Publication No | :WO 2012/015924 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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**1)SHELTON Frederick E.**
**2)WILLIS John W.**

(57) Abstract :
Surgical instruments are disclosed. Various non limiting embodiments may include an elongated shaft (14) that has a distal end portion that is configured to operably support a circular staple cartridge (30) therein. A tissue acquisition shaft may be rotatably supported within said elongated shaft and have a distal portion that protrudes distally beyond the distal end portion of the elongated shaft. At least one tissue acquisition member may be pivotally attached to the distal end portion of the tissue acquisition shaft such that the tissue acquisition members are selectively pivotable from a retracted position to deployed positions upon application of a deployment motion thereto. A rotatable cutting member may be operably supported adjacent to the tissue acquisition member and being selectively rotatable about the central axis upon application of a cutting actuation motion thereto.

No. of Pages : 102 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.944/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ORAL COMPOSITIONS COMPRISING A ZINC COMPOUND AND AN ANTI MICROBIAL AGENT

(51) International classification :A61K9/00
(31) Priority Document No :61/371696
(32) Priority Date :07/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/046831
Filing Date :05/08/2011
(87) International Publication No :WO 2012/021415
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)COHEN Marvin**
**2)COHEN Susanne**
**3)FLYNN Bob**

(57) Abstract :
Oral compositions and methods of use thereof are provided herein. The oral compositions comprise a first component comprising at least one E raising compound and a pharmaceutically acceptable carrier and a second component comprising at least one zinc compound an anti microbial agent and a pharmaceutically acceptable carrier.

No. of Pages : 52 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/01/2013

(21) Application No.981/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MATERIAL BASED ON CELLULOSE ACETATE WITH PLASTICISERS AND MANUFACTURED ARTICLE PRODUCED THEREWITH

(51) International classification :C08L1/12,B29D12/00,C08J3/18
(31) Priority Document No :MI2010A001237
(32) Priority Date :05/07/2010
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2011/052949
Filing Date :04/07/2011
(87) International Publication No :WO 2012/004727
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)ORSI MAZZUCCHELLI Davide**

(57) Abstract :
The invention relates to a plastic material based on cellulose acetate comprising at least one plasticiser in which said plasticiser is comprised of the mixture of a first plasticiser comprised of citric acid esters and at least one second plasticiser selected from the group of organic phosphates glycerol esters and trimellitic acid esters the content of the first plasticiser being equal to or greater than the second plasticiser and the aforementioned mixture of plasticisers constituting overall 25 35% by weight of said plastic material.

No. of Pages : 26 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.868/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MOTOR DRIVEN SURGICAL FASTENER DEVICE WITH CUTTING MEMBER REVERSING MECHANISM

(51) International classification :A61B17/072,A61B17/00
(31) Priority Document No :12/846249
(32) Priority Date :29/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/045319
Filing Date :26/07/2011
(87) International Publication No :WO 2012/015799
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**2)SWENSGARD Brett E.**
**3)SMITH Bret W.**
**4)SCHWEMBERGER Richard F.**
**5)ABBOTT Daniel J.**
**6)YATES David C.**
**7)SMITH Craig S.**
**8)SHELTON IV Frederick E.**

(57) Abstract :
A surgical fastener apparatus including a handle an elongated shaft having a proximal end attached to the handle and a distal end extending therefrom. An end effector comprising a pair of jaws pivoted at a proximal end thereof and movable between an open and closed position and a cartridge containing a plurality of surgical fasteners the cartridge attached to the end effector. An electrically powered actuator for deploying the surgical fasteners. An electrically activated reverse mechanism for moving the elongated member from a distal most position within the end effector to a proximal position the electrically activated reverse mechanism moves the elongated member proximally after the elongated member has moved to the distal most position by moving the trigger to the open position and wherein after activation of the reverse mechanism proximal movement of the elongated member can be stopped by returning the trigger to its closed position.

No. of Pages : 70 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.914/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD AND DEVICE FOR GENERATING BREMSSTRAHLUNG

(51) International classification :H05H9/00
(31) Priority Document No :2010127452
(32) Priority Date :05/07/2010
(33) Name of priority country :Russia
(86) International Application No :PCT/RU2011/000479
Filing Date :04/07/2011
(87) International Publication No :WO 2012/005629
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)SHVEDUNOV Vasily Ivanovich**
**2)MASLENNIKOV Oleg Jurievich**

(57) Abstract :
The invention relates to a method and a device, which can be used in inspection systems, for generating bremsstrahlung with a pulse-to-pulse variation in energy level between two given values with the possibility of inde- pendently controlling the radiation intensity for each energy level. The device has local radiation shielding (16) and provides for a small diameter beam on the braking target (12) as well as highly efficient particle acceleration. The de- vice comprises an accelerator structure (7) with a standing wave, which is powered by a compact multibeam klystron (22) having a low beam voltage and permanent magnet focusing. The energy level of an accelerated beam (19) of charged particles is varied at a constant frequency by varying the output power level of the klystron (22) from pulse to pulse and the amplitude of the field in the accelerator structure (7). The required radiation intensity is provided by the pulse-to-pulse variation of the voltage of the control electrode (10) of an electron gun (8) and of the current intensity of the beam injected into the accelerator structure (7).

No. of Pages : 38 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.913/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MULTI CULTIVATION APPARATUS

(51) International classification :A01G31/02,A01G7/00
(31) Priority Document No :1020100064793
(32) Priority Date :06/07/2010
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2011/002062
Filing Date :25/03/2011
(87) International Publication No :WO 2012/005431
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)PARK Min Sung**

(57) Abstract :
The present invention relates to a multi-cultivation apparatus which cultivates an object to be cultivated such as sprout vegetables, bean sprouts, or other water cultivation vegetables within the same space thereof regardless of the kind of object to be cultivated. The multi-cultivation apparatus includes a container body having an inner space for receiving water therein and a drain in a side of a lower portion thereof, a lower wicker tray, an upper wicker tray, and a port coupling plate which are selectively disposed within the container body according to the object to be cultivated, and a cover detachably coupled to an upper portion of the container body, the cover including a water supply unit for discharging the water drained from the drain downward.

No. of Pages : 14 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/01/2013

(21) Application No.985/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SEAL FOR PHOTOVOLTAIC MODULE

| | |
|---|---|
| (51) International classification | :H01L31/042,H01L31/048,B05D1/00 |
| (31) Priority Document No | :61/368503 |
| (32) Priority Date | :28/07/2010 |
| (33) Name of priority country | :U.S.A. |
| (86) International Application No<br>Filing Date | :PCT/US2011/045535<br>:27/07/2011 |
| (87) International Publication No | :WO 2012/015922 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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**1)FIRST SOLAR INC.**
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(72)**Name of Inventor :**
**1)BURGARD Daniel**

(57) Abstract :
A seal is be included in a photovoltaic module to improve reliability and durability. The sealant is dispensed from a nozzle (305) that follows a path (705) along the perimeter of one of the module layers. The nozzle path comprises an acute angle at the corner areas.

No. of Pages : 21 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/01/2013

(21) Application No.975/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : COMBINATION SENSOR

(51) International classification :G01K13/00,G01L19/00
(31) Priority Document No :10 2010 039 970.1
(32) Priority Date :31/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/062714
Filing Date :25/07/2011
(87) International Publication No :WO 2012/028385
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)WOLF Ronny**
**2)DEISSLER Markus**
**3)LANGE Joerg**
**4)ALBRECHT Peter**

(57) Abstract :
The invention relates to a combination sensor (1) for an internal combustion engine, in particular for a motor vehicle, comprising a housing (4), a tube (10) for carrying combustion air for the internal combustion engine, a sensor for detecting a pressure of the combustion air in the tube (10), wherein a fluidic connection from the tube (10) to the sensor is formed by a connecting channel (32) for detecting the pressure of the combustion air, preferably a sensor (6) for detecting a position of a throttle device (8) in the tube (10), preferably a sensor (7) for detecting a temperature of the combustion air in the tube (10), A . wherein the combination sensor (1) has a diversion channel (33) for the connecting channel (32) and the diversion channel (33) leads into the connecting channel (32) and into the tube (10).

No. of Pages : 15 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013

(21) Application No.794/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MODIFIED PEPTIDE DISPLAY

(51) International classification :C12N15/10,C40B40/02,C40B40/08
(31) Priority Document No :10172788.1
(32) Priority Date :13/08/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/063138
Filing Date :29/07/2011
(87) International Publication No :WO 2012/019928
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)CHRISTIANSEN Guntram**

(57) Abstract :
The invention refers to a replicable genetic package displaying a peptide having at least one intramolecular cyclic bond between two heteroatoms of amino acid side chains a method of preparing a replicable genetic package a method of producing a library and a library of replicable genetic package.

No. of Pages : 40 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/01/2013
(21) Application No.846/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CARBON DIOXIDE SEQUESTRATIONS INVOLVING TWO SALT BASED THERMOLYTIC PROCESSES

(51) International classification :B01D53/62,C01B31/24,C01F11/18
(31) Priority Document No :61/362607
(32) Priority Date :08/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/043470
Filing Date :08/07/2011
(87) International Publication No :WO 2012/006601
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)JONES Joe David**
**2)YABLONSKY Al**

(57) Abstract :
The present invention relates to an energy efficient carbon dioxide sequestration processes whereby Group 2 silicate minerals and CO are converted into limestone and sand using a two salt thermolytic process that allows for the cycling of heat and chemicals from one step to another.

No. of Pages : 184 No. of Claims : 74

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.886/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : RAIL FOR SUSPENDED CONVEYORS AND SUSPENDED CRANES

(51) International classification :B66C7/04,E01B25/24,B66C7/02
(31) Priority Document No :10 2010 037 522.5
(32) Priority Date :14/09/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/065324
Filing Date :05/09/2011
(87) International Publication No :WO 2012/034892
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)SPIES Gerd**
**2)FITZLER Stefan**

(57) Abstract :
The invention relates to a rail (2) for suspended conveyors and suspended cranes, having a profile head (22) for suspending the rail (2) and a profile body (23) connected thereto, wherein the profile head (22) is a substantially C-shaped profile head and is open at the top as seen in cross section, the opening thereof forming a gap 10 (24) that runs along a longitudinal center plane (L), which is bounded on both sides by first web segments (25a, 25b) that extend outward from the longitudinal center plane (L), wherein two second web segments (26a, 26b) opposite each other and running downward and outward as seen in cross section are connected to the first web segments (25a, 25b), and wherein the rail (2) is made of two profiles (20a, 20b) 15 disposed symmetrically about the vertical longitudinal center plane (L) as seen in cross section. In order to produce a rail for suspended conveyors and suspended cranes, the geometry of which at least supports an overload protection in the region of the profile head, and allows simple attachment by means of suspension supports, according to the invention the first web segments (25a, 25b) runs diagonally outward 20 and upward and the angle (21) of the first web segments (25a, 25b) is 15 to 35 degrees, preferably 20 to 30 degrees, relative to the longitudinal center plane (L).

No. of Pages : 20 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/01/2013

(21) Application No.986/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : TRAVEL CONTROL APPARATUS FOR WORKING VEHICLE

(51) International classification :F16H47/02,F16H61/02
(31) Priority Document No :2010194083
(32) Priority Date :31/08/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/064570
Filing Date :24/06/2011
(87) International Publication No :WO 2012/029389
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)YAMAZAKI Yasuo**
**2)KAWAHARA Shouroku**

(57) Abstract :
A travel control apparatus for a working vehicle i s provid ed with: a variable displacement hydraulic pump which i s driven by an engine; a variable displacement hydraulic motor which i s connected to the hydraulic pump by a closed circuit and driven by pressure oil from the hy draulic pump; a first control unit which controls the motor tilting angle of the hydraulic motor by an electric signal; a constant-mesh transmission which comprises a clutch device provided with a high clutch unit for transmitting power at a first change gear ratio and a low clutch unit for transmitting the power at a second change gear ratio mgher than the first change gear ratio and transmits or shuts off the power fiom the hydraulic motor; and a second control unit which controls the first control unit such that the motor tilting angle i s reduced to a predetermined value when the transmission i s switched  from the first change gear ratio to the second change gear ratio.

No. of Pages : 18 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.859/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FLEXIBLE HELICAL STENT HAVING DIFFERENT HELICAL REGIONS

(51) International classification :A61F2/90
(31) Priority Document No :61/369969
(32) Priority Date :02/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/046303
Filing Date :02/08/2011
(87) International Publication No :WO 2012/018844
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)BAILLARGEON Brian P.**
**2)MARREY Ramesh**

(57) Abstract :
The present invention relates to tubular stents that are implanted within a body lumen. The stent (1500) has a cylindrical shape defining a longitudinal axis and includes a proximal helical section (1506) a distal helical section (1507) and an intermediate ring section (1520) there between. Each of the proximal and distal helical sections has of a plurality of longitudinally oriented strut members (1513) and a plurality of circumferentially oriented hinge members (1154) connecting circumferentially adjacent strut members to form a band the band being wrapped about the longitudinal axis in a substantially helical manner to form a plurality of helical windings wherein the distal helical section is wound about the longitudinal axis in the opposite direction from the proximal helical section. The intermediate ring section includes a plurality of longitudinally oriented strut members and a plurality of circumferentially oriented hinge members connecting circumferentially adjacent strut members to form an endless ring.

No. of Pages : 80 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.873/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SHAVING CARTRIDGE GUARD FOR SUPPORTING SKIN

(51) International classification :B26B21/40
(31) Priority Document No :12/849381
(32) Priority Date :03/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/046387
Filing Date :03/08/2011
(87) International Publication No :WO 2012/018892
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)WALKER Vincent Paul Jr.**
**2)WITKUS Stephen Charles**

(57) Abstract :
A shaving cartridge (12) with a housing (16) at least one blade (18) mounted to the housing and a guard (20) having a plurality of spaced apart projections (30) with an upper surface (42). The projections define a plurality of open slots (36) extending transverse to the blade. The open slots have a lower surface (44) extending between the plurality of projections. The open slots have a slot depth between the lower surface and the upper surface of about 0.10mm to about 0.5mm.

No. of Pages : 20 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.916/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : IMPROVED SORBENTS FOR REMOVING MERCURY FROM EMISSIONS PRODUCED DURING FUEL COMBUSTION

(51) International classification :B01J20/20,B01D53/64,C01B31/08
(31) Priority Document No :61/378208
(32) Priority Date :30/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/048454
Filing Date :19/08/2011
(87) International Publication No :WO 2012/030560
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)NALEPA Christopher J.**
**2)PICKRELL William S.**
**3)LAMBETH Gregory H.**
**4)ZHOU Qunhui**

(57) Abstract :
Activated carbon is rendered more thermal!y stable by exposure to a non halogenated additive and optionally to a halogen and/or a halogen containing compound. Such treated carbon is suitable for use in mitigating the content of hazardous substances in flue gases especially flue gases having a temperature within the range of from about 100 °C to about 420 °C.

No. of Pages : 17 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.934/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ELECTRIC POWERED VEHICLE

(51) International classification :B60L11/18,B60L3/00,B60W10/26
(31) Priority Document No :2010186755
(32) Priority Date :24/08/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/067290
Filing Date :28/07/2011
(87) International Publication No :WO 2012/026278
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)ITO Satoshi**

(57) Abstract :
An electric-powered vehicle (1) is equipped with a power storage system (2) having: power storage devices (4i 4n) each including a plurality of serially connected cells (3); and an integration control device (5), wherein contactors (6i = 6n, 7X 7n) and current sensors (8i 8n) are connected in series to the power storage devices (4i 4n), and control devices (9i 9n) capable of managing statuses ) of the power storage devices (4i 4n) are provided in addition to the power storage devices (4X - 4n) , the contactors (6j 6n, 7X 7n), and the current sensors (8i 8n) , thereby forming unit power storage modules (10i 10n), the unit power storage modules (10i 10n) are connected in parallel, an electrical load (14) whose driving is controlled by using powers of the I power storage devices (4X 4n) is provided, and the j integration control device (5) connected to the J j electrical load (14) and the control devices (9i 9n) I i M of the unit power storage modules (10i 10n) is j i provided.

No. of Pages : 36 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.871/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : IMPROVED XYLOSE UTILIZATION IN RECOMBINANT ZYMOMONAS HAVING INCREASED RIBOSE 5 PHOSPHATE ACTIVITY

(51) International classification :C12N9/90,C12N1/21,C12P7/06
(31) Priority Document No :61/359445
(32) Priority Date :29/06/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/042122
Filing Date :28/06/2011
(87) International Publication No :WO 2012/006061
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)CAIMI Perry G.**
**2)MCCOLE Laura**
**3)TAO Luan**
**4)TOMB Jean Francois**
**5)VIITANEN Paul V.**

(57) Abstract :
Zymomonas Xylose utilizing strains studied were found to accumulate ribulose when grown in xylose containing media. Engineering these strains to increase ribose 5 phosphate isomerase activity led to reduced ribulose accumulation improved growth improved xylose utilization and increased ethanol production.

No. of Pages : 2509 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.900/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SELF DELETING PLASMID

(51) International classification :C12N15/64
(31) Priority Document No :1011046.8
(32) Priority Date :30/06/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/000975
Filing Date :28/06/2011
(87) International Publication No :WO 2012/001352
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)CRANENBURGH Rocky Marc**
**2)LECKENBY Matthew William**

(57) Abstract :
A method of producing a selectable marker gene free plasmid by culturing a plasmid containing a selectable marker gene flanked by site specific recombinase target sites in a host cell environment incapable of effecting recombination between the site specific recombinase target sites and subsequently culturing the plasmid in another host cell environment which is capable of effecting recombination between the site specific recombinase target sites so that the selectable marker gene is excised. Uses of plasmids produced by the method for the production of recombinant protein for therapeutic and vaccine purposes production of therapeutic DNA and DNA vaccines and delivery of recombinant protein and DNA to a patient using live bacterial vectors.

No. of Pages : 46 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.918/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SURGICAL CIRCULAR STAPLER WITH TISSUE RETENTION ARRANGEMENTS

(51) International classification :A61B17/115
(31) Priority Document No :12/846978
(32) Priority Date :30/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/045546
Filing Date :27/07/2011
(87) International Publication No :WO 2012/015928
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)SHELTON Frederick E. IV**
**2)WILLIS John W.**

(57) Abstract :
Surgical instruments and procedures for performing a circular anastomosis of a tubular organ. The surgical instruments may include selectively deployable tissue acquisition members configured to puncture through a portion of the tubular organ and position the portion of the organ adjacent to a fastener face of a staple cartridge supported in the instrument. At least one cutting member may be radially deployed and rotated to sever the positioned portion of organ from a distal portion of the organ. An anvil may be employed to draw another portion of the organ adjacent to the portion of organ positioned adjacent to the fastener face of the staple cartridge. The staples may then be deployed through the adjacent portions of organ and an annular knife may be advanced through the adjacent organ portions to complete the anastomosis.

No. of Pages : 101 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.887/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : WIPER SYSTEM WITH A SPRING ELEMENT FOR STORING ENERGY

(51) International classification :B60S1/16
(31) Priority Document No :10 2010 039 524.2
(32) Priority Date :19/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/062883
Filing Date :27/07/2011
(87) International Publication No :WO 2012/022590
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)HUESGES Mario**

(57) Abstract :
The invention relates to a wiper system (100) for wiping a window, the wiper system having a wiper arm (110), a driving means (120) and a spring element (150) for storing energy. The driving means (120) is designed to move the wiper arm (110) in a first and in a second direction of rotation in order to wipe the window. The spring element (150) is designed to absorb energy during the movement of the wiper arm (110) in the first direction of rotation and to output energy during the movement of the wiper arm (110) in the second direction of rotation. The spring element (150) is connected directly to the wiper arm (110).

No. of Pages : 14 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.920/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DOUBLE ACTION EXTERNAL FIXATION CLAMP

(51) International classification :A61B17/60,A61B17/64
(31) Priority Document No :61/369359
(32) Priority Date :30/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/045723
Filing Date :28/07/2011
(87) International Publication No :WO 2012/016041
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)CHREENE David E.**
**2)AUSTIN Gene Edward**

(57) Abstract :
An external fixation component includes a capture member defining opposing grooves on opposite lateral sides of the capture member for capture of an element of an orthopedic fixation system. The capture member includes a base and a head coupled to the base to define a component axis that extends through the base and through the head. The base and the head are coupled for relative lateral translation in opposing directions such that the element can be captured by the capture member in either of the opposing grooves.

No. of Pages : 20 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.937/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PNEUMATIC VEHICLE TYRE

(51) International classification :B60C9/00,B60C9/22
(31) Priority Document No :10 2010 036 760.5
(32) Priority Date :30/07/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/060083
Filing Date :17/06/2011
(87) International Publication No :WO 2012/013420
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)FIDAN Sadettin**
**2)REESE Wolfgang**

(57) Abstract :
The invention relates to a pneumatic vehicle tyre of a radial design having a tread (1) a radial carcass a belt structure (8) with at least two belt plies (8a 8b) and with at least one belt bandage layer (9) which is arranged radially outside the belt and is formed by continuously winding a PET cord (10) in a helical shape in the circumferential direction of the tyre. The PET cord (10) has an extension of 3% to 5% given a force of 1.56 cN/detx at 20°C and an extension of 7% to 9% at 160°C. The sum of the elongation at tear of the PET cord (10) and the thermal shrinkage determined at 180°C and with a pretensioning force of 0.01 cN/dtex and a duration of action of two minutes is greater than 20%. Furthermore the PET cord (10) has thermal shrinkage which is greater than 2.5% at 180°C with a pretensioning force of 0.01 cN/dtex and a duration of action of two minutes.

No. of Pages : 10 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/01/2013

(21) Application No.976/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FUEL DELIVERY UNIT HAVING AN ASYMMETRIC GUIDE ROD

(51) International classification :F02M37/10
(31) Priority Document No :102010039546.3
(32) Priority Date :20/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/062416
Filing Date :20/07/2011
(87) International Publication No :WO 2012/022570
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)BEYER Martin**
**2)BRAUN Hans Peter**

(57) Abstract :
The invention relates to a fuel delivery unit (1) for a fuel tank (3). The fuel delivery unit (1) comprises a tank flange (5) and a base delivery unit (7). A guide rod (9) is thereby disposed between the base delivery unit (7) and the tank flange (5). The guide rod (9) comprises a cross section (11) perpendicular to the longitudinal axis (13) thereof. Said cross section (11) is rotationally asymmetric.

No. of Pages : 14 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/01/2013

(21) Application No.960/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : OVERBASED MAGNESIUM OXIDE DISPERSIONS

(51) International classification :C10M159/20,C10M159/24,C10L1/188
(31) Priority Document No :61/364130
(32) Priority Date :14/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/041638
Filing Date :23/06/2011
(87) International Publication No :WO 2012/009127
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)MA QINGGAO**
**2)MIGDAL Cyrill A.**
**3)SCHLUP Kirk A.**
**4)DIFLAVIO John Louis**
**5)MUIR Ronald J.**

(57) Abstract :
Overbased MgO dispersions with high magnesium content and acceptably low viscosities are reproducibly prepared without gel formation by heating to 280 360°C a mixture of MgO selected dispersants low MW carboxylic acids water and a combination of high boiling hydrocarbon and organic diluent wherein water is more than 8% typically more than 10% of the reaction mixture. No additional solubilizing or dispersing agents promoters or reactants such as carbon dioxide amines alcohols etc are needed to obtain the desired dispersions. Compositions such as lubricating oils and fuels containing the overbased magnesium dispersions as additives are also disclosed.

No. of Pages : 20 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.921/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : EVALUATING DATAFLOW GRAPH CHARACTERISTICS

(51) International classification :G06F11/34
(31) Priority Document No :61/376878
(32) Priority Date :25/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/049131
Filing Date :25/08/2011
(87) International Publication No :WO 2012/027560
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)BUXBAUM Mark**
**2)FEINHAUS Dima V.**
**3)WAKELING Tim**

(57) Abstract :
One or more expressions (324) are evaluated that represent one or more characteristics of a dataflow graph (302) that includes vertices representing data processing components (308 310) connected by links (326 328) representing flows of work elements between the components. A request is received by a computing system (100) to evaluate the one or more expressions that include one or more operations on one or more variables. Evaluating the expressions includes: defining a data structure (318) that includes one or more fields (320A D) collecting during execution of the dataflow graph tracking information associated with one or more components of the dataflow graph storing values associated with the tracking information in the one or more fields and replacing one or more variables of the one or more expressions with the values stored in the one or more fields to compute a result of evaluating the one or more expressions.

No. of Pages : 31 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.885/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CHIMERIC IL 1 RECEPTOR TYPE I AGONISTS AND ANTAGONISTS

(51) International classification :C07K14/545,A61P19/02
(31) Priority Document No :61/368799
(32) Priority Date :29/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/045995
Filing Date :29/07/2011
(87) International Publication No :WO 2012/016203
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)BARNES Thomas M.**
**2)HOU Jinzhao**
**3)KING Bracken M.**

(57) Abstract :
Featured herein are non naturally occuring cytokine domains that can be used to modulate cellular signalling responsive to interleukin 1 receptor I (IL 1 RI) to treat disorders and to detect and/or bind to cellular receptors as well as other agents. Exemplary cytokine domains can contain amino acid residues from at least two parental cytokines domains for example receptor binding features surface features strands and loops from at least two parental cytokines domains.

No. of Pages : 153 No. of Claims : 70

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/01/2013

(21) Application No.983/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FIELD OF VIEW COMPENSATED POLARIZATION SWITCH FOR SHORT THROW 3D PROJECTION

| | |
|---|---|
| (51) International classification | :G02B27/26,G02F1/1335,G02F1/13363 |
| (31) Priority Document No | :61/363826 |
| (32) Priority Date | :13/07/2010 |
| (33) Name of priority country | :U.S.A. |
| (86) International Application No<br>Filing Date | :PCT/US2011/043913<br>:13/07/2011 |
| (87) International Publication No | :WO 2012/009476 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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**1)SHARP Gary D.**
**2)CHEN Jianmin**
**3)ROBINSON Michael G.**

(57) Abstract :
Generally this disclosure concerns the angle sensitivity of polarization switch elements and the resulting impact of the ray direction on performance. More specifically apparatus and techniques for compensating the angular sensitivity of liquid crystal (LC) polarization switches are described that enhance the performance of polarization switches. For example a polarization switch is disclosed that transforms linearly polarized light of an initial polarization orientation that includes a first and second liquid crystal cell with a compensator located between the LC cells. The compensator layer is operable to enhance the field of view through the polarization switch. Such compensation techniques are particularly useful for short throw projection environments.

No. of Pages : 24 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.945/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ELEVATOR SUSPENSION AND/OR DRIVING ASSEMBLY HAVING AT LEAST ONE TRACTION SURFACE COMPRISING EXPOSED WEAVE FIBERS

(51) International classification :B66B7/06,D03D15/00,D07B1/06
(31) Priority Document No :PCT/US2010/049433
(32) Priority Date :20/09/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/021602
Filing Date :19/01/2011
(87) International Publication No :WO 2012/039781
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)WESSON John P.**
**2)KRISHNAN Gopal R.**
**3)DEVALVE Timothy D.**
**4)JAYACHANDRAN Vijay**
**5)RUSH Daniel**

(57) Abstract :
An exemplary elongated elevator load bearing member includes a plurality of tension elements that extend along a length of the load bearing member. A plurality of weave fibers transverse to the tension elements are woven with the tension elements such that the weave fibers maintain a desired spacing and alignment of the tension elements relative to each other. The weave fibers at least partially cover the tension elements. The weave fibers are exposed and establish an exterior traction surface of the load bearing member.

No. of Pages : 14 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.864/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FLEXIBLE HELICAL STENT HAVING INTERMEDIATED NON HELICAL REGION

(51) International classification :A61F2/90
(31) Priority Document No :61/369962
(32) Priority Date :02/08/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/046299
Filing Date :02/08/2011
(87) International Publication No :WO 2012/018840
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)SCHROEDER Valeska**

(57) Abstract :
The present invention relates to tubular stents that are implanted within a body lumen. The stent (1400) has a cylindrical shape defining a longitudinal axis and includes a helical section (1408) and a closed endless ring section (1420) within the helical section. The helical section has of a plurality of longitudinally oriented strut members (1413) and a plurality of circumferentially oriented hinge members (1414) connecting circumferentially adjacent strut members to form a band the band being wrapped about the longitudinal axis in a substantially helical manner to form a plurality of helical windings. The closed ring section interrupts the repeating helical pattern and separates the helical section into a proximal helical section and a distal helical section. The intermediate ring section includes a plurality of longitudinally oriented strut members and a plurality of circumferentially oriented hinge members connecting circumferentially adjacent strut members to form an endless ring.

No. of Pages : 72 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.892/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ARYL HYDROCARBON RECEPTOR (AHR) MODIFIERS AS NOVEL CANCER THERAPEUTICS

| | |
|---|---|
| (51) International classification | :A61K31/37,A61K31/35,A61K31/34 |
| (31) Priority Document No | :61/368042 |
| (32) Priority Date | :27/07/2010 |
| (33) Name of priority country | :U.S.A. |
| (86) International Application No<br>Filing Date | :PCT/US2011/045526<br>:27/07/2011 |
| (87) International Publication No | :WO 2012/015914 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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**4)HAIGH MOLINA Sarah**
**5)SCHAUS Scott**
**6)GIGUERE Joshua Robert**

(57) Abstract :
Provided herein are novel agents that modulate AhR activity for use in therapeutic compositions and methods thereof for inhibiting cancer cell proliferation and tumor cell invasion and metastasis. The agents comprise AhR inhibitors or non constitutive AhR agonists of Formula (I) and (II) for the inhibition of cancer cell growth and parameters that characterize tumor metastasis such as tumor cell invasiveness.

No. of Pages : 91 No. of Claims : 52

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/01/2013

(21) Application No.957/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HIGH GAIN COATINGS AND METHODS

(51) International classification :G02B1/00
(31) Priority Document No :61/366110
(32) Priority Date :20/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/044711
Filing Date :20/07/2011
(87) International Publication No :WO 2012/012554
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)RAINS Miles**
**2)GRAY Howard Robert**

(57) Abstract :
A halogen incandescent burner comprising a quartz body comprising a light emitting chamber a filament positioned within the light emitting chamber and a multilayer optical coating on at least a portion of the chamber. The coating may include a plurality of layers of a low refractive index material and a high refractive index material having a total thickness of at least nine microns wherein the gain of the burner is at least 1.7. The high refractive index material may comprise tantala and the low refractive index material may comprise silica.

No. of Pages : 31 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/01/2013

(21) Application No.977/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ADAPTATION METHOD FOR INJECTION VALVE CONTROL AND CYLINDER BALANCING

(51) International classification :F02D41/14,F02D41/24,F02D41/00
(31) Priority Document No :102010038779.7
(32) Priority Date :02/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/060707
Filing Date :27/06/2011
(87) International Publication No :WO 2012/016763
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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**2)RIES MUELLER Klaus**

(57) Abstract :
The invention relates to a method (61) for operating an internal combustion engine (11) having a plurality of combustion chambers (15), at least one combustion chamber (15) being assigned an injection valve (13) for injecting fuel (m) into the combustion chamber (15), wherein, for a least one combustion chamber (15), an air ratio (A.) that is individual to the combustion chamber is adjusted and/or, for at least one combustion chamber (15), a torque (M) that is individual to the combustion chamber is determined. In order to specify a method (61) for operating an internal combustion engine (11), wherein faulty adaptations can be avoided to the greatest possible extent, it is P proposed that, for at least one injection valve (13), an activation period (TA) of the injection valve (15) is adapted (A) by measuring or determining a valve opening period (T) of the injection valve (15) in such a way that tolerances of the injection valve (15) with respect to a relationship between the activation period (TA) and the valve opening period (T) are at least substantially compensated.

No. of Pages : 18 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.925/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR CONTINUOUSLY PRODUCING NITROBENZENE

(51) International classification :C07C201/08,C07C205/06,C07C201/16
(31) Priority Document No :102010038678.2
(32) Priority Date :30/07/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/062833
Filing Date :26/07/2011
(87) International Publication No :WO 2012/013678
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**3)RAUSCH Andreas Karl**
**4)LEHNER Peter**
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(57) Abstract :
The invention relates to a continuous method for producing nitrobenzene by nitriding benzene by means of nitric acid or mixtures of nitric acid and sulfuric acid to form raw nitrobenzene, washing the raw nitrobenzene by means of at least one acidic, alkaline, and neutral wash, respectively, wherein a prepurified nitrobenzene is obtained, comprising at least light boilers, optionally medium boilers, and high boilers and salts in addition to nitrobenzene, wherein the prepurified nitrobenzene is further purified by separating light boilers in a distillation apparatus by evaporating the light boilers and separating nitrobenzene from the further purified nitrobenzene thus obtained in a distillation apparatus by partially evaporating nitrobenzene, wherein pure nitro - benzene is removed from the distillation apparatus in gaseous form and then Condensed, and wherein the non-evaporated part of the further purified nitrobenzene is fed back into the wash at an arbitrary point.

No. of Pages : 20 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.940/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : NOVEL STABLE AND HIGHLY TUNABLE METATHESIS CATALYSTS

(51) International classification :C07F15/00,B01J31/12
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2010/004668
Filing Date :30/07/2010
(87) International Publication No :WO 2012/013208
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)CAIJO Frdric**
**3)CREVISY Christophe**

(57) Abstract :
The present invention relates to catalytically active compounds of the general formula (1) that are highly tunable as well as to a method of their preparation and their use in any type metathesis reaction. The new compounds of the present invention comprise activation sites that allow for specific catalyst design. Particularly side chains and ligands allow efficient activity and specificity control of the catalysts of the present invention.

No. of Pages : 87 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/01/2013

(21) Application No.959/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A COLLECTING DEVICE

(51) International classification :A61F5/443,A61F5/445,A61L24/04
(31) Priority Document No :PA 2010 70361
(32) Priority Date :16/08/2010
(33) Name of priority country :Denmark
(86) International Application No :PCT/DK2011/050309
Filing Date :16/08/2011
(87) International Publication No :WO 2012/022352
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)BUUS Hasse**
**3)STROEBECH Esben**
**4)KONGEBO Tom Bjarke**

(57) Abstract :
A body waste collecting device comprising a collecting pouch and an adhesive wafer for attachment to the body said adhesive wafer comprises a backing layer a first adhesive a second adhesive and a release liner wherein said second adhesive comprises a polar plasticising oil or a combination of polar plasticising oils in the content of above 10% (w/w) of the final second adhesive and at least one polar polyethylene copolymer wherein the content of the polyethylene copolymer is 10 50% (w/w) of the final second adhesive the polyethylene copolymer has a melt flow index below 2 g/10min (190°C/21.1 N) and wherein the thickness of the second adhesive is 300 700 µm

No. of Pages : 25 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2013

(21) Application No.902/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CRANK CIRCULAR SLIDING BLOCK MECHANISM PARTS THEREOF AND EQUIPMENT THEREFROM

| | |
|---|---|
| (51) International classification | :F16H21/18,F16F15/28,F04B39/00 |
| (31) Priority Document No | :201010215948.0 |
| (32) Priority Date | :02/07/2010 |
| (33) Name of priority country | :China |
| (86) International Application No<br>Filing Date | :PCT/CN2010/001590<br>:11/10/2010 |
| (87) International Publication No | :WO 2012/000147 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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**2)LI Zhengzhong**

(57) Abstract :
A crank circular sliding block mechanism i s provided, including a crankshaft having at least one crankpin (1-3); at least one circular sliding block (3) having an eccentric hole (3-1) sleeved on the crankpin (1-3) of the crankshaft; at least one re ciprocating component (5) having a circular sliding block receiving hole (5-4) in which the circular sliding block (3) i s rotatablely mounted; and at least one dynamic balance rotating block (4) having an eccentric hole (4-1) sleeved on the same crankpin (1-3) of the crankshaft and fixed together with the adjacent circular sliding block (3).The mechanism can convert the reciprocating inertia force of the reciprocating component into a rotating inertia force to obtain a convenient balancing effect by properly selecting the mounting position and mass of the dynamic balance rotating block. Parts used in the crank circular sliding block mechanism and an internal combustion engine and a compressor using the crank circular sliding block mechanism are also provided.

No. of Pages : 23 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2013

(21) Application No.943/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DETECTION OF TARGET METABOLITES

(51) International classification :C12M1/34
(31) Priority Document No :61/362193
(32) Priority Date :07/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/043160
Filing Date :07/07/2011
(87) International Publication No :WO 2012/006407
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)FRASCH Wayne**

(57) Abstract :
The present invention provides methods and compositions for highly sensitive detection of a metabolite of interest comprising use of a nanodetection device that comprises an anchoring part a bridging part and a signal producing part wherein the anchoring part is a molecular motor the signal producing part is a nanorod and the bridging part is a protein that specifically binds to the metabolite of interest.

No. of Pages : 64 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/01/2013

(21) Application No.980/DELNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MAIN BODY FOR A PLUG IN CONNECTOR AND PLUG IN CONNECTOR

(51) International classification :H01R13/422,H01R13/432,H01R43/20
(31) Priority Document No :10 2010 036 868.7
(32) Priority Date :05/08/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/063503
Filing Date :05/08/2011
(87) International Publication No :WO 2012/017064
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)ANDRESEN Jens**
**2)BEHLING Bernd**

(57) Abstract :
The invention relates to a main body (10) for a plug-in connector, comprising at least one contact carrier (12) for receiving a corresponding contact element (14), in particular a crimp contact (18), wherein the contact carrier (12) forms a channel (16), the plug-in section (46) of which is designed to receive a bushing or pin region (48) of the contact element (14) and the connecting section (42) of which is designed to receive a connecting region (44) of the contact element (14), and the contact element (14) can be attached by means of latching engagement to a detent structure (50) of the contact carrier (12), which detent structure (50) also forms the channel (16). According to the invention, the detent structure (50) is arranged on a longitudinal side of the channel (16) and an associated further detent structure of the contact element (14) that is received in the channel (16) can engage behind the detent structure in a latching manner, a passage (34) extending through the contact carrier (12) from the outside into the channel (16) at said longitudinal side. The invention further relates to a corresponding plug-in connector

No. of Pages : 20 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/11/2013

(21) Application No.2203/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A METHOD FOR THE CONTROLLED DISPLAY OF INFORMATION BANNERS IN PARTICULAR ADVERTISING BANNERS ON THE INTERNET

| | |
|---|---|
| (51) International classification | :G06Q30/00 |
| (31) Priority Document No | :NA |
| (32) Priority Date | :NA |
| (33) Name of priority country | :NA |
| (86) International Application No<br>Filing Date | :PCT/IT2011/000186<br>:03/06/2011 |
| (87) International Publication No | :WO 2012/164592 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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(72)**Name of Inventor :**
**1)PISANELLI Daniele**
**2)PISANELLI Luca**

(57) Abstract :
The present invention concerns an innovative method or the display of one or more information on the Web articularly advertising comprising the operations of: a) Connection through the Internet of a processor (3) to a central server (1); b) Monitoring through a sentinel programme (35) of the eventual connections made by the processor (3) to one or more remote servers (10) for operating the download of one or more applications (25). c) In case of download of an application (25) sending from the central server (1) through the Web to the processor (3) of one or more information banners (15) that overlap on the banner of the requested download. d) Computation of the number of sendings so as to associate credits to the user on the basis of the advertising displays received.

No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/11/2013

(21) Application No.2204/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HYBRID POSITIONING USING SYNCHRONOUS AND ASYNCHRONOUS TECHNIQUES

(51) International classification :G01S19/09,G01S19/46
(31) Priority Document No :61/492742
(32) Priority Date :02/06/2011
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/059430
Filing Date :04/11/2011
(87) International Publication No :WO 2012/166195
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)WERNER Benjamin A.**

(57) Abstract :
Methods and apparatuses for a mobile station to obtain a position fix using synchronous hybrid positioning and asynchronous hybrid positioning techniques are described. In one embodiment a wireless communication apparatus may transmit a request to a mobile station for fine time assistance (FTA) corresponding to a global navigation satellite system (GNSS). The apparatus may be configured to receive the FTA first timing measurements from one or more base stations and second timing measurements from the GNSS. The apparatus may identify whether the FTA was received from the mobile station. If it is determined that the FTA was received then a system frame number (SFN) received within the FTA may be identified wherein the SFN is associated with one of the base stations. The apparatus may then establish a position fix for the mobile station using a synchronous hybrid positioning technique that involves relating the timing measurements to a time scale associated with the SFN. If it is determined that the FTA was not received then the apparatus may establish the position fix using an asynchronous hybrid positioning technique.

No. of Pages : 40 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/11/2013

(21) Application No.2205/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHODS AND SYSTEMS FOR PROVIDING EFFICIENT TELECOMMUNICATIONS SERVICES

(51) International classification :H04M3/42
(31) Priority Document No :61/601180
(32) Priority Date :21/02/2012
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2013/027093
Filing Date :21/02/2013
(87) International Publication No :WO 2013/126541
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)JOHNSON Michael**
**3)JONES Ryan**

(57) Abstract :
Methods and systems for more efficiently providing telecommunications services are provided. A menu of options may be presented to a user upon detecting that the user has attempted to connect a call to a recipient. If the user selects an option before a predetermined amount of time has elapsed the actions associated with that option may be performed instead of setting up a call between the user and the recipient. If the predetermined amount of time elapses without the user making a selection of an option or if the user has explicitly indicated a desire to establish the call the call may be established

No. of Pages : 51 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/11/2013

(21) Application No.2206/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DUAL SPECTRUM DIGITAL IMAGING WELDING HELMET

(51) International classification :B23K9/095,B23K9/32
(31) Priority Document No :13/108168
(32) Priority Date :16/05/2011
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2012/000945
Filing Date :15/05/2012
(87) International Publication No :WO 2012/156801
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)WILLS Douglas Alan**
**2)MATTHEWS William T.**

(57) Abstract :
Arc welding systems methods and apparatus that provide dual spectrum real time viewable enhanced user discrimination between arc welding characteristics during an arc welding process. Welding headgear (110) is configured to shield a user from harmful radiation and to include a digital camera or cameras (150 160) to provide dual spectrum (i.e. both visible spectrum and infrared spectrum) real time digital video image frames. The welding headgear (110) is also configured with an optical display assembly for displaying real time digital video image frames to the user while wearing the headgear (110) during an arc welding process. Image processing is performed on the visible and infrared spectrum video image frames to generate dual spectrum video image frames providing an integrated and optimized view of both the visible and thermal characteristics of the arc welding process which can be viewed by the user on the optical display assembly in real time.

No. of Pages : 39 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/11/2013

(21) Application No.2210/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : NOVEL PRECURSORS OF GLUTAMATE DERIVATIVES

(51) International classification :C07B59/00,C07C227/16,C07C227/18
(31) Priority Document No :11075077.5
(32) Priority Date :03/05/2011
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2012/057884
Filing Date :30/04/2012
(87) International Publication No :WO 2012/150204
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**3)NOVAK Filip**
**4)BERNDT Mathias**
**5)FRIEBE Matthias**
**6)SCHMITT WILLICH Heribert**
**7)YOON Chi Dae**
**8)LEE Byoung Se**
**9)PARK Sang Don**

(57) Abstract :
This invention relates to novel precursors suitable for F radiolabeling of glutamate derivatives methods for preparing such compounds and its intermediates compositions comprising such compounds kits comprising such compounds or compositions and methods for F radiolabeling of glutamate derivatives wherein the obtained F radiolabeled glutamate derivatives are suitable for diagnostic imaging by Positron Emission Tomography (PET) of proliferative diseases e.g. tumor in mammals.

No. of Pages : 71 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/11/2013

(21) Application No.2211/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DEVICE AND METHOD FOR LOW COST PRODUCTION OF LOW SULPHUR HIGH OCTANE GASOLINE

(51) International classification :C10G69/08
(31) Priority Document No :201110169487.2
(32) Priority Date :22/06/2011
(33) Name of priority country :China
(86) International Application No :PCT/CN2012/000859
Filing Date :21/06/2012
(87) International Publication No :WO 2012/174860
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)DING Ranfeng**

(57) Abstract :
A device for the low cost production of low sulphur high octane gasoline comprising an extraction device (1) a first splitting tower (2) an etherification device (3) a hydrodesulphurization device (4) a reforming preprocessing device (5) a second splitting tower (6) an isomerization device (7) a reforming device (8) and a stabilizing device (9). The extraction device (1) concentrates the sulphur from the feedstock into the extract allowing for the use of a smaller hydrodesulphurization device (4); the heavy raffinate extracted by the first splitting tower (2) is sent to the reforming device (8) allowing for the use of a larger reforming device (8); the splitting temperature of the second splitting tower (6) is adjusted such that savings can be made on benzene extraction and the corresponding fractional distillation device thereby greatly reducing cost and energy consumption while increasing gasoline yield. A method for the low cost production of low sulphur high octane gasoline is also provided. The device and method reduce the sulphur content of the resulting gasoline product to 10 ppm and reduce the related costs and expenses.

No. of Pages : 12 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/11/2013

(21) Application No.2212/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MEANS AND METHODS TO INDUCE APOMIXIS IN PLANTS

(51) International classification :C12N15/82,C12N9/22
(31) Priority Document No :11168075.7
(32) Priority Date :30/05/2011
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2012/059808
Filing Date :25/05/2012
(87) International Publication No :WO 2012/163818
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)CORRAL Jos M.**
**2)SHARBEL Timothy**

(57) Abstract :
The present invention relates to nucleic acid molecules for use in inducing aponnixis in a plant transgenic cells in particular transgenic plant cells comprising said nucleic acid molecule transgenic plants in particular plant seeds comprising said nucleic acid molecule methods for inducing apomixis in a plant methods for the production of apomictic plants and uses thereof.

No. of Pages : 57 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/11/2013

(21) Application No.2213/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : AUTOMATIC CRYSTAL BLANK GRINDING AND POLISHING SYSTEM GRINDING AND POLISHING MACHINE AND AUXILIARY MACHINE THEREOF

(51) International classification :B24B9/16,B24B29/04
(31) Priority Document No :201110180668.5
(32) Priority Date :29/06/2011
(33) Name of priority country :China
(86) International Application No :PCT/CN2012/074701
Filing Date :26/04/2012
(87) International Publication No :WO 2013/000332
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)YU Weidong**

(57) Abstract :
An automatic crystal blank grinding and polishing system comprises: a first rotating support (2) upper hemisphere grinding positions (11 12) and a polishing position (13) the first rotating support (2) being disposed with a machine head (21); a second rotating support (7) lower hemisphere grinding positions (61 62) and a polishing position (63) the second rotating support (7) being disposed with a machine head (71); a loading position (41); an alignment position (42); an unloading position (43); at least one first transfer mechanism capable of picking up and releasing a fixture and capable of transferring the fixture among the loading position (41) the alignment position (42) and the machine head (21) on the first rotating support (2); and at least one second transfer mechanism capable of picking up and releasing a fixture and capable of transferring the fixture among the alignment position (42) the unloading position (43) and the machine head (71) on the second rotating support (7). Further disclosed is a grinding and polishing machine and an auxiliary machine used by the above system. The system is capable of implementing fully automatic grinding and polishing processing of the inclined surfaces of the upper and lower hemispheres of a crystal blank to guarantee the processing quality of the grinding and polishing and is also capable of fully using the advantages of the existing model simplifying the complexity of the mechanism actions and facilitating fabrication and maintenance.

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/11/2013

(21) Application No.2207/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : WHEEL COVER COMPRISING AN ANTI ROTATION DEVICE AND VEHICLE COMPRISING SUCH A WHEEL COVER

(51) International classification :B60B7/02,B60B7/10,B60B7/06
(31) Priority Document No :1153610
(32) Priority Date :27/04/2011
(33) Name of priority country :France
(86) International Application No :PCT/FR2012/050794
Filing Date :12/04/2012
(87) International Publication No :WO 2012/146855
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)LARROQUE Sebastien**

(57) Abstract :
The present invention relates to a wheel cover (2) intended to be secured to a vehicle wheel in particular a motor vehicle wheel which at least partially covers a side surface of said wheel the wheel being attached to a hub via four or five evenly spaced apart attachment screws (3) said wheel cover (2) comprises anti rotation means intended to engage with at least one attachment screw (3) so as to prevent the wheel cover (2) from rotating once same is positioned on the wheel such that the anti rotation means comprise two first walls and two second walls forming bearing surfaces positioned such that depending on whether the wheel is attached to said hub via four or five attachment screws (3) the two first walls bear against two of the four attachment screws (3) or the two second walls bear against two of the five attachment screws (3).

No. of Pages : 13 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/11/2013

(21) Application No.2208/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PROCESS FOR THE PRECISION MOULDING OF GLASS MANUFACTURED ARTICLES WITH GREAT SIZES IN PARTICULAR LENSES

(51) International classification :C03B11/08,C03B11/12
(31) Priority Document No :RM2011A000218
(32) Priority Date :28/04/2011
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2012/052130
Filing Date :27/04/2012
(87) International Publication No :WO 2012/147063
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)DOVIDIO Gino**
**2)LANZARA Giovanni**
**3)TULLI Carlo**
**4)FEMIA Giuseppe**

(57) Abstract :
A process for the precision moulding of glass manufactured articles in particular glass lenses with great sizes and thickness characterized by reduced surface roughness and high geometrical precision of the shapes providing a phase wherein one controls actively the geometry of a glass spindle with temperature higher than or equal to its working temperature by means of a mould and wherein subsequently the temperature and the shape of the spindle during the cooling phase is controlled actively so that the manufactured article reaches uniformly and in all its volume a single temperature Td not lower than its glass transition temperature.

No. of Pages : 21 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/11/2013

(21) Application No.2209/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ZEOLITIC CATALYTIC CONVERSION OF ALCOHOLS TO HYDROCARBONS

(51) International classification :C07C1/20,C10G3/00,B01J29/46
(31) Priority Document No :61/497256
(32) Priority Date :15/06/2011
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2012/042399
Filing Date :14/06/2012
(87) International Publication No :WO 2012/174205
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)DAVISON Brian H.**
**3)KELLER Martin**

(57) Abstract :
A method for converting an alcohol to a hydrocarbon the method comprising contacting said alcohol with a metal loaded zeolite catalyst at a temperature of at least 100°C and up to 550°C wherein said alcohol can be produced by a fermentation process said metal is a positively charged metal ion and said metal loaded zeolite catalyst is catalytically active for converting said alcohol to said hydrocarbon.

No. of Pages : 31 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/12/2013

(21) Application No.2363/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CONTACT PART FOR ELECTRICALLY CONNECTING END FACE CONTACT LAYERS ON THE END FACES OF A PLASTIC FILM CAPACITOR WINDING OF AN ENCASED ELECTRIC SINGLE PHASE OR THREE PHASE CAPACITOR AND ENCASED ELECTRIC SINGLE PHASE AND THREE PHASE CAPACITORS COMPRISING SAME

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|---|---|
| (51) International classification | :H01G4/232,H01G4/32,H01G2/00 |
| (31) Priority Document No | :10 2011 104 255.9 |
| (32) Priority Date | :15/06/2011 |
| (33) Name of priority country | :Germany |
| (86) International Application No<br>Filing Date | :PCT/EP2012/002083<br>:15/05/2012 |
| (87) International Publication No | :WO 2012/171605 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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(72)**Name of Inventor :**
**1)REINBOLD Hans Georg**

(57) Abstract :
The invention relates to a contact part (20) for electrically connecting end face contact layers on the end faces of a plastic film capacitor winding (10) of an encased electric single phase or three phase capacitor to a terminal wire (18 34) or a connecting wire comprising a preferably flat contact support with a terminal region for contacting a terminal wire (18 34) or a connecting wire; comprising at least one contact piece (26) with at least one contact tip said contact piece (26) extending upwards or downwards from the contact support in a substantially vertical manner in order to establish an electric connection to an end face contact layer (12 14) by pressing the contact tip into said end face contact layer (12 14); and comprising a penetration depth limiting device for limiting the penetration depth of the contact tip or the contact tips in the end face contact layer (12 14). The invention also relates to encased single phase and three phase capacitors comprising said contact part.

No. of Pages : 26 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/12/2013

(21) Application No.2364/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD AND SYSTEMS FOR PROVIDING VIDEO DATA STREAMS TO MULTIPLE USERS

(51) International classification :H04N7/18
(31) Priority Document No :13/169316
(32) Priority Date :27/06/2011
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/042002
Filing Date :27/06/2011
(87) International Publication No :WO 2013/002758
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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(57) Abstract :
A method for substantially simultaneously remote monitoring including receiving at a server one or more video data streams and providing from the server the one or more video data streams to multiple users each one of the multiple users being able to view and manipulate the one or more video data streams. Systems that implement the method are also disclosed.

No. of Pages : 24 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/11/2013

(21) Application No.2198/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PESTICIDE MADE OF ISOQUINOLINE ALKALOIDS FLAVONOIDS AND VEGETABLE AND/OR ESSENTIAL OILS

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|---|---|
| (51) International classification | :A01N65/08,A01N65/32,A01N65/12 |
| (31) Priority Document No | :MX/a/2011/010032 |
| (32) Priority Date | :23/09/2011 |
| (33) Name of priority country | :Mexico |
| (86) International Application No<br>Filing Date | :PCT/MX2012/000028<br>:21/03/2012 |
| (87) International Publication No | :WO 2013/043031 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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**3)SAAVEDRA AGUILAR Mario**

(57) Abstract :
The invention relates to an organic pesticide obtained from plant extracts that display considerable synergistic interactions in the pesticide activity thereof and are effective in the biological control of pests that attack commercial crops the main features of which include the effective control of white insects low toxicity for mammals and low persistence in the environment and in which the plant extracts are formulated standardised extracts of and . Said pesticide consists of a chemical composition obtained from standardised plant extracts of and which is characterised by being made up of 0.1 % 20 % of isoquinoline alkaloids and the derivatives thereof 0.001 % 10 % of flavonoids and the glycosyl derivatives thereof and 0.1 % 5 % of vegetable oil. Therefore the scope of the invention is limited in general terms to organic pesticides and in particular to obtaining an organic pesticide that contains as active ingredients a mixture of isoquinoline alkaloids and flavonoids to be used for agricultural pest control.

No. of Pages : 18 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/11/2013

(21) Application No.2199/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : RECTANGULAR THIN PANEL CONVEYANCE UNIT

(51) International classification :B65D19/44,B65D81/133,B65D85/48
(31) Priority Document No :2011-102600
(32) Priority Date :29/04/2011
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2012/002942
Filing Date :29/04/2012
(87) International Publication No :WO 2012/147373
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)SUEOKA Masaaki**
**2)NIIMI Takaya**

(57) Abstract :
[Problem] To provide a unit for transferring rectangular thin plate panels whereby at the time of transferring a plurality of rectangular thin plate panels by stacking the panels a buffer spacer can be easily aligned on the upper surface of each of the rectangular thin plate panels and the rectangular thin plate panels can be safely and efficiently stacked. [Solution] This unit for transferring thin plate panels which is used for the purpose of transferring a plurality of rectangular thin plate panels by stacking the panels is characterized in that: the unit has at least two resin buffer spacers to be inserted into between the rectangular thin plate panels; each of the resin buffer spacers has a load receiving upper surface that receives load of a rectangular thin plate panel disposed above and a placing lower surface that is placed on the upper surface of a rectangular thin plate panel disposed below; end portions of each of the resin buffer spacers are respectively provided with bodies for aligning the resin buffer spacer; each of the bodies for the alignment has portions that can engage with resin buffer spacers that are adjacent in the vertical direction; the unit also has a pallet having the rectangular thin plate panels stacked on the upper surface thereof and a protection sleeve that covers around the stacked rectangular thin plate pallet; and that the upper surface of the pallet is provided with a circumferential groove in which the protection sleeve can be fitted.

No. of Pages : 41 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/01/2013

(21) Application No.174/MUM/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A TRIAZOLE BASED QUINOLINE DERIVATIZED CALIX[4]ARENE CONJUGATE OF FORMULA I

(51) International classification :C08F8/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)PROF. CHEBROLU PULLA RAO**
**2)RAKESH KUMAR PATHAK**

(57) Abstract :
This invention relates to a triazole based quinoline derivatized calix[4]arene conjugate (L) that serves as a fluorescent sensor for selectively detecting the presence of Fe3+. The conjugate L is employed as a sensitive and selective switch on fluorescence receptor for Fe3+ and therefore enables successful discrimination of Fe from Fe ions. Further, conjugate L affords the detection of Fe3+ in nano-molar ranges.

No. of Pages : 24 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2013

(21) Application No.2271/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : COATING COMPOSITION FOR CHROMIUM THIN FILM COATING

(51) International classification :C09D133/00,C09D7/12,C09D133/14
(31) Priority Document No :2011-178860
(32) Priority Date :18/08/2011
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2012/070352
Filing Date :09/08/2012
(87) International Publication No :WO 2013/024785
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)FUJIKURA KASEI CO. LTD.**
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(72)**Name of Inventor :**
**1)TAKAHASHI Yoshio**
**2)OKAZAKI Toshiaki**

(57) Abstract :
The purpose of the present invention is to provide a coating composition with which it is possible to form a coating film that has good adhesion with a chromium thin film under a variety of conditions and has sufficient scratch resistance. Provided is a coating composition for chromium thin film coating characterized in that a coating composition for coating a chromium thin film disposed on a substrate comprises (A) an acrylic copolymer having phosphate groups and hydroxyl groups other than the hydroxyl groups contained in the phosphate groups (B) an isocyanate and (C) a metal chelate.

No. of Pages : 22 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/12/2013

(21) Application No.2355/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METABOLIC IMPRINTING EFFECTS OF SPECIFICALLY DESIGNED LIPID COMPONENT

(51) International classification :A23L1/29,A23L1/30,A61K31/201
(31) Priority Document No :PCT/NL2011/050437
(32) Priority Date :16/06/2011
(33) Name of priority country :Netherlands
(86) International Application No :PCT/NL2012/050428
Filing Date :18/06/2012
(87) International Publication No :WO 2012/173486
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)VAN DER BEEK Eline Marleen**
**2)ABRAHAMSE BERKEVELD Marieke**
**3)OOSTING Annemarie**
**4)ALLES Martine Sandra**

(57) Abstract :
The invention relates to the use of specifically designed lipid component with optimal fatty acid profile an enhanced portion of the palmitic acid residues in the sn 2 positionand present as lipid globules with a certain size for an early in life diet for improving the development of a healthy body composition in particular prevention of obesity later in life.

No. of Pages : 39 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/12/2013

(21) Application No.2359/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : POLYMORPH FORM OF 4 {[4 ({[4 (2 2 2 TRIFLUOROETHOXY) 1 2 BENZISOXAZOL 3 YL]OXY}METHYL)PIPERIDIN 1 YL]METHYL} TETRAHYDRO 2H PYRAN 4 CARBOXYLIC ACID

(51) International classification :C07D413/14,A61K31/454,A61P43/00
(31) Priority Document No :2011-11190.1
(32) Priority Date :18/05/2011
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2012/003288
Filing Date :18/05/2012
(87) International Publication No :WO 2012/157288
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)RAQUALIA PHARMA INC.**
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(72)**Name of Inventor :**
**1)NUMATA Toyoharu**
**2)NOGUCHI Hirohide**
**3)WAIZUMI Nobuaki**
**4)KOJIMA Takashi**

(57) Abstract :
The present invention relates to novel crystal forms of 4 {[4 ({[4 (2 2 2 trifluoroethoxy) 1 2 benzisoxazol 3 yl]oxy}methyl)piperidin 1 yl]methyl} tetrahydro 2H pyran 4 carboxylic acid. More particularly the invention relates to polymorph forms (Polymorph Form I or Polymorph Form II) and to processes for the preparation of compositions containing and to uses of such polymorph forms.

No. of Pages : 35 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/11/2013

(21) Application No.2201/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : COMMUNICATION CONNECTION METHOD COMMUNICATION CONNECTION APPARATUS AND COMMUNICATION CONNECTION PROGRAM

| | |
|---|---|
| (51) International classification | :H04W76/00,G06F3/048,G06F13/00 |
| (31) Priority Document No | :2011-123550 |
| (32) Priority Date | :01/06/2011 |
| (33) Name of priority country | :Japan |
| (86) International Application No<br>Filing Date | :PCT/JP2012/062439<br>:09/05/2012 |
| (87) International Publication No | :WO 2012/165137 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

(71)**Name of Applicant :**
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Address of Applicant :1 7 1 Konan Minato ku TOKYO 1080075 JAPAN
(72)**Name of Inventor :**
**1)KOMORI Akihiro**

(57) Abstract :
A communication connection apparatus may include a display unit to display an image of a device selected as a communication target with which to establish a communication connection. The apparatus may further include a processing unit to update a progress informing image for informing progress of a communication connection synthesized with the selected device image.

No. of Pages : 170 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/01/2013

(21) Application No.173/MUM/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A METHOD OF HEAT TREATMENT OF AN ALUMINIUM ALLOY; AND A ROTOR ASSEMBLY THEREOF

| | |
|---|---|
| (51) International classification | :C22F1/04, C21D1/34 |
| (31) Priority Document No | :NA |
| (32) Priority Date | :NA |
| (33) Name of priority country | :NA |
| (86) International Application No | :NA |
| Filing Date | :NA |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number | :NA |
| Filing Date | :NA |
| (62) Divisional to Application Number | :NA |
| Filing Date | :NA |

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**1)MUDRAGADA SATHYANARAYANA**
**2)CHINMALLI ONKAR MALLIKARJUN**
**3)SHAIKH BASHIT**
**4)DUMBRE JAYSHRI**
**5)ALAKKAL KIZHAKKETHIL SIVADAS**

(57) Abstract :
A method of heat treatment of an aluminium alloy, said method comprises the steps of: heating said aluminium alloy in a furnace up to a first pre-determined temperature; soaking said heated aluminium alloy at a first pre-determined temperature for a pre-determined duration of time; either cooling said soaked aluminium alloy by switching off said furnace or by controlled cooling in said Furnace or by water quenching to ambient temperature after said pre-determined time; or cooling said soaked aluminium alloy by switching off said furnace or by controlled cooling in said furnace after said pre-determined time up to a second predetermined temperature and water quenching or furnace cooling or air cooling said furnace cooled aluminium alloy for cooling from said second pre-determined temperature to ambient temperature. A heat treated rotor assembly made of an aluminium alloy obtained using said method is also provided.

No. of Pages : 30 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/12/2013

(21) Application No.2335/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : GENE THERAPY VECTORS FOR ADRENOLEUKODYSTROPHY AND ADRENOMYELONEUROPATHY

| | |
|---|---|
| (51) International classification | :A61K48/00,A61K39/21,A61K39/12 |
| (31) Priority Document No | :61/495857 |
| (32) Priority Date | :10/06/2011 |
| (33) Name of priority country | :U.S.A. |
| (86) International Application No<br>Filing Date | :PCT/US2012/041693<br>:08/06/2012 |
| (87) International Publication No | :WO 2012/170911 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)DENARO Maria Joann**
**2)FINER Mitchell Howard**
**3)VERES Gabor**

(57) Abstract :
The present invention provides compositions ccomprising retroviral vectors transduced cells and methods of using the same for gene therapy. In particular the present invention relates to lentiviral vectors and cells transduced with those vectors to provide gene therapy to subjects having an adrenoleukodystrophy and/or adrenomyeloneuropathy.

No. of Pages : 75 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/11/2013

(21) Application No.2181/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR PRODUCING A TUBE OR SEMIFINISHED TUBE AND TUBE OR SEMIFINISHED TUBE FOR CHEMICAL APPARATUS CONSTRUCTION

(51) International classification :B01J19/02,B32B1/08,B32B27/12
(31) Priority Document No :10 2011 075 745.7
(32) Priority Date :12/05/2011
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2012/057823
Filing Date :27/04/2012
(87) International Publication No :WO 2012/152605
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)SIMONA AG**
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(72)**Name of Inventor :**
**1)LITZENBURGER Achim**

(57) Abstract :
The invention relates to a tube (01) or semifinished tube (02) in particular for chemical apparatus construction for storing or transporting aggressive media to be stored comprising a solid inner tube (02) on the inner side (05) of which the medium to be stored can come into contact and which is produced from a thermoplastic material that is chemically resistant to the media to be stored and comprising an adhesion promoting layer (03) which is provided on the outer side of the inner tube (02) has a textile structure and is produced from a thermoplastic material wherein the textile structure of the adhesion promoting layer (03) is suitable for attaching a supporting tube (04) to the outer side of the adhesion promoting layer (03) wherein the outer side of the inner tube (02) and the inner side of the adhesion promoting layer (03) are welded to each other with a material bond and wherein the textile structure is retained on the outer side of the adhesion promoting layer (03).

No. of Pages : 20 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/11/2013

(21) Application No.2245/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FUEL SYSTEM AND METHOD FOR REDUCING FUEL LEAKAGE FROM A FUEL SYSTEM

(51) International classification :F02M25/06,F02M59/44
(31) Priority Document No :61/496595
(32) Priority Date :14/06/2011
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2012/000213
Filing Date :18/01/2012
(87) International Publication No :WO 2012/171593
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)VOLVO LASTVAGNAR AB**
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(72)**Name of Inventor :**
**1)YUDANOV Sergi**

(57) Abstract :
The invention concerns a fuel system (1) for supplying pressurised fuel in particular dimethyl ether (DME) or a blend thereof to an internal combustion engine said fuel system (1) comprising a fuel pump (4) which has a pumping mechanism (10 11) arranged partly in a housing (16) containing lube oil a drain line (24) connected to said housing (16) and suitable for draining at least fuel vapour from an interior of said housing (16) a lube oil supply line (22) connected to said housing (16) a lube oil supply valve (31 ) installed in said lube oil supply line (22) a seal (21) installed between said pumping mechanism (10 11) and said housing (16) for preventing at least lube oil leakage to the outside of said housing (16) and a drain valve (30) installed in said drain line (24) wherein both said drain valve (30) and lube oil supply valve (31) are controlled to be closed during an engine non running state for preventing fuel vapour leakage from said housing (16).

No. of Pages : 29 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/12/2013

(21) Application No.2246/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : USE OF A KMGF3 COMPOUND FOR TRAPPING METALS IN THE FORM OF FLUORIDES AND/OR OXYFLUORIDES IN A GASEOUS OR A LIQUID PHASE

(51) International classification :B01D53/02,B01D53/68,C01B9/08
(31) Priority Document No :1155055
(32) Priority Date :09/06/2011
(33) Name of priority country :France
(86) International Application No :PCT/EP2012/060875
Filing Date :08/06/2012
(87) International Publication No :WO 2012/168420
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)COMURHEX SOCIETE POUR LA CONVERSION DE LURANIUM EN METAL ET HEXAFLUORURE**
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**1)MOREL Bertrand**
**2)LEITE Lorraine**
**3)MOCH Laurent**
**4)DEMOURGUES Alain**
**5)CLARENC Romain**
**6)TRESSAUD Alain**
**7)DURAND Etienne**

(57) Abstract :
The invention relates to the use of a compound having the formula KMgF to trap metals in the form of fluorides and/or oxyfluorides in a gaseous or liquid phase. The invention also relates to a compound having the formula KMgF and a specific surface area that is at least equal to 30 m/g and at most equal to 150 m/g as well as to the methods for preparing same. The invention can be used in particular in the nuclear industry in which it can be advantageously used to purify uranium hexafluoride (UF) in a stream of gas or liquid with respect to metal impurities also in said stream.

No. of Pages : 32 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/12/2013

(21) Application No.2298/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HEADEND WITH REDUNDANCY AND AN ASSOCIATED METHOD

(51) International classification :H04H20/00,H04L12/24
(31) Priority Document No :10 2011 083 816.3
(32) Priority Date :30/09/2011
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2012/065501
Filing Date :08/08/2012
(87) International Publication No :WO 2013/045160
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)HEIDENREICH Ren**
**2)G–ERIG Torsten**

(57) Abstract :
The invention relates to a headend that contains at least two identical processing units (3 3 ... 3) each supplied with at least one identical input side data stream for the production of an output side data stream as well as an output side bus system (4) which is connected to these processing units for the purposes of exchanging output side data streams generated in the respective processing units and status data. In addition a plurality of decision circuits (7 7 ... 7) connected to said output side bus system (4) are provided in the headend for the purposes of selecting in each processing unit the output side data stream that is to be transmitted to a sender system (6) in each case. The comparison of the individual output side data streams with the specifications of the transmission standard used in a single frequency network such as ATSC M/H DVB T or DVB T2 provides the individual decision circuit with a further item of important information for the decision: which of the processing units is functioning correctly and/or which is being operated incorrectly.

No. of Pages : 28 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/11/2013

(21) Application No.2171/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DOSE GUIDES FOR INJECTION SYRINGE

(51) International classification :A61M5/178,A61M5/31,A61M5/315
(31) Priority Document No :61/478748
(32) Priority Date :25/04/2011
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2012/035028
Filing Date :25/04/2012
(87) International Publication No :WO 2012/149040
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)PHAM Tan**
**3)WHITE William S.**
**4)HUANG Glenn T.**
**5)HU Mae W.**

(57) Abstract :
The present embodiments provide for simple devices that guide the loading and dispensing of accurate small doses of fluid from standard injection syringes.

No. of Pages : 21 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/12/2013

(21) Application No.2378/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MICROCAPSULES COMPRISING BLACK PIGMENTS

(51) International classification :B01J13/12,C09B67/00
(31) Priority Document No :61/486413
(32) Priority Date :16/05/2011
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IL2012/000192
Filing Date :16/05/2012
(87) International Publication No :WO 2012/156965
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)GOLDSTEIN Danny**
**2)YASMAN Yuri**
**3)PRIVALOVA Olga**
**4)BENALTABET Lior**

(57) Abstract :
Monolayered microcapsules comprising a black pigment and cosmetic formulations comprising them are provided for use particularly in mascara and eye liner formulations. The black pigment may be carbon black black iron oxide or both.

No. of Pages : 28 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2013

(21) Application No.2266/MUMNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MODIFIED SERIES ARC WELDING AND IMPROVED CONTROL OF ONE SIDED SERIES ARC WELDING

(51) International classification :B23K9/00,B23K9/10,B23K9/18
(31) Priority Document No :13/164161
(32) Priority Date :20/06/2011
(33) Name of priority country :U.S.A.
(86) International Application No:PCT/IB2012/001221
Filing Date :20/06/2012
(87) International Publication No :WO 2012/176045
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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**1)ODONNELL Timothy Mark**
**2)COLE Stephen Richard**
**3)YOST Alonzo P. O.**

(57) Abstract :
An electric arc welding system (1200) for depositing weld metal along a groove between two edges of a metal workpiece where the system contains a first power supply (1210) and a second power supply (1220) each providing a welding waveform to respective welding electrodes. The positive output terminals of both power supplies (1211 1221) are coupled to the same contact tip (750) and the negative output terminal of one of the power supplies is not coupled to the workpiece (W).

No. of Pages : 67 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/10/2013

(21) Application No.4583/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : LIGHTING CONTROL SWITCH

(51) International classification :H05B37/00
(31) Priority Document No :2012-232376
(32) Priority Date :19/10/2012
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)Kentaro UEHARA**
**2)Shuji MATSUURA**
**3)Satoshi HIRATA**

(57) Abstract :
The lighting control switch in accordance with the present invention includes: a control unit configured to control a lighting load based on a detection result from a human sensor configured to judge whether a person is in a detection area; and a lower limit luminance setting unit configured to determine a lower limit luminance for the lighting load in response to a manual input from a user. The control unit is configured to, when the human sensor does not detect a person, perform a turning-off preliminary announcement lighting operation only for a preliminary announcement time period. The control unit is configured to, in the turning-off preliminary announcement lighting operation, supply to the lighting load electrical power corresponding to a preliminary announcement luminance that is equal to the lower limit luminance or more.

No. of Pages : 31 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2013

(21) Application No.4673/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR CONTROLLING OPERATION WITHIN A CELL OF A WIRELESS CELLULAR NETWORK, BASE STATION AND WIRELESS CELLULAR NETWORK

(51) International classification :H04W36/00
(31) Priority Document No :12189068.5-2412
(32) Priority Date :18/10/2012
(33) Name of priority country :EPO
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)BURCHARDT, Harald**
**2)HAAS, Harald**
**3)BHARUCHA, Zubin**

(57) Abstract :
A wireless cellular network includes a plurality of cells, each cell including a base station for serving one or more mobile users. For controlling an operation within a cell of the wireless cellular network, a fuzzy logic (102) is used. The input variables (1041-1044) for the fuzzy logic (102) comprise input variables determined on the basis of information only locally available in the cell.

No. of Pages : 53 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/10/2013

(21) Application No.4769/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ROCKER SWITCH

(51) International classification :H01H
(31) Priority Document No :2013-021080
(32) Priority Date :06/02/2013
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)Yo YOSHIMURA**
**2)Kimio KUSAMA**
**3)Masaru KOMIYAMA**

(57) Abstract :
It is provided a rocker switch which can prevent deformation of a component for fixing an inversion spring, caused by a spring force generated when the inversion spring is expanded/contracted. The rocker switch includes a support member which is subject to the spring force when an inversion spring is expanded/contracted. The support member includes a support body and a clip body, the support body is formed in a substantially U-shape having a front piece and a pair of side pieces extending rearward from respective lateral sides of the front piece, the support body being attached to the base by means of the clip body. Lower ends of the side pieces of the support body are supported by a top face of the support piece of the clip body. With this configuration, the support member can be prevented from being deformed even when subject to stress by the inversion spring.

No. of Pages : 28 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/10/2013

(21) Application No.4864/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ELECTRICAL SWITCHING DEVICE FOR LOW VOLTAGE CIRCUITS

(51) International classification :H01H71/00
(31) Priority Document No :BG2012U000039
(32) Priority Date :06/11/2012
(33) Name of priority country :Italy
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)ABB S.p.A.**
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(72)**Name of Inventor :**
**1)CURNIS, Maurizio**
**2)BERGAMINI, Alessio**

(57) Abstract :
An electrical switching device for low voltage circuits comprising an enclosure having a front wall, a rear wall, a first lateral wall, a second lateral wall, a lower wall and an upper wall that define a volume for containing the members of said switching device, said enclosure comprising: a first section that defines a first housing space for a switching unit that comprises one or more electrical poles, each of said electrical poles comprising at least one fixed contact and one moving contact, mutually couplable/decouplable; a second section that defines a second housing space for a control mechanism of the moving contacts of said electrical poles; a third section that defines a third housing space for one or more accessory devices of said switching device; An electrical switching device is characterized in that said front wall comprises a first shaped portion and a second shaped portion adapted to respectively close the housing spaces defined by said second and third section, at said front wall, said first and second shaped portion being mechanically separable from one another.

No. of Pages : 30 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/04/2013

(21) Application No.1760/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : RESOLVING SPECTRAL ALLOCATION CONFLICTS IN MOBILE NETWORKS

(51) International classification :HO1M
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)Arvind Vijay KEERTHI**

(57) Abstract :
Technologies are generally described for reducing spectral allocation conflicts in wireless networks. In some examples, two (or more) wireless devices with intersecting spectral allocation may be identified, followed by determination of one or more time-frequency vectors of the spectral allocation for one of the wireless devices that have a first overlap with one or more time-frequency vectors of the spectral allocation of the other wireless device. For each determined time-frequency vector, an alternate time-frequency vector may be determined such that a second overlap between the alternate time-frequency vector and the time-frequency vectors of the other wireless device is lower than the first overlap. The alternate time-frequency vector may be transmitted to the wireless device to enable that device shift its communication to the alternate time-frequency vector for enhanced communication performance.

No. of Pages : 39 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/09/2013

(21) Application No.3977/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SUBSTANCE SUBTRACTION IN A SCENE BASED ON HYPERSPECTRAL CHARACTERISTICS

(51) International classification :G06K9/00
(31) Priority Document No :13/673054
(32) Priority Date :09/11/2012
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)GE Aviation Systems LLC**
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(72)**Name of Inventor :**
**1)OCCHIPINTI, Benjamin Thomas**
**2)SEBASTIAN, Thomas Baby**
**3)KUCZYNSKI, Konrad Robert**
**4)BUEHLER, Eric Daniel**
**5)KELLY, Richard Shawn**

(57) Abstract :
The Invention A method of removing a hyperspectral signature from at least one hyperspectral image, includes among other things, selecting a hyperspectral signature and determining a dissimilarity value between each pixel in the at least one hyperspectral image and the selected at least one hyperspectral signature. If the dissimilarity value between the signature of a given pixel in the at least one hyperspectral image and the selected at least one hyperspectral signature is less than a predetermined threshold value then the value of the signature for the given pixel is set to zero to create a signature-subtracted hyperspectral image.

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/09/2013

(21) Application No.4157/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SYSTEM, METHOD AND APPARATUS FOR SECURELY DISTRIBUTING CONTENT

(51) International classification :G06F21/00
(31) Priority Document No :61/702292
(32) Priority Date :18/09/2012
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)PASAFESHARE LLC**
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(72)**Name of Inventor :**
**1)MADHAV S. PHADKE**
**2)KEDAR M. PHADKE**

(57) Abstract :
System, method and apparatus for securely distributing content via an encrypted file wherein a Publisher Key (PK) associated with an authorized publisher enables presentation of the content by the authorized user via a Limited Capability Viewer (LCV), the LCV lacking the capability to forward, print, copy or otherwise disseminate the content to be presented. Various embodiments provided enhanced user authentication or authorization, VPN functions, collaboration techniques, automatic distribution of licenses, watermarking of documents, rules pertaining to content transfer between secure and insecure domains and combinations thereof.

No. of Pages : 52 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/12/2013

(21) Application No.5774/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A MOBILE ROBOT, A POSITIONING SYSTEM OF A MOBILE ROBOT, AND A POSITIONING METHOD OF A MOBILE ROBOT

| | | |
|---|---|---|
| (51) International classification | :B25J | (71)**Name of Applicant :** |
| (31) Priority Document No | :2013-087196 | **1)KABUSHIKI KAISHA YASKAWA DENKI** Address of Applicant :2-1, KUROSAKI-SHIROISHI, YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-0004 Japan |
| (32) Priority Date | :18/04/2013 | |
| (33) Name of priority country | :Japan | |
| (86) International Application No | :NA | (72)**Name of Inventor :** |
| Filing Date | :NA | **1)TAMIO NAKAMURA** |
| (87) International Publication No | : NA | **2)DAI KOUNO** |
| (61) Patent of Addition to Application Number | :NA | **3)TAKASHI NISHIMURA** |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :
A mobile robot(lOO) has a seating part(lO), a moving apparatus configured to move the seating part(lO), and a robot part with a base part(33) to be attached to the seating part(lO), a body(33a) capable of rotating around a vertical axis(P) normal to an attaching surface(lOa) which the seating part(lO) to be attached to the base part(33), and an arm(70L,70R) connected to the body(33a) having a plurality of joints, wherein the seating part(lO) has a first surfacedl) facing a work(Ml,M2) that is subject to the operation by the robot part and a second surface(l2) that is different from the first surfacedl), and the arms(70L,70R) are formed such that the positional relationship between the arms(70L,70R) and the first surfaced l) is substantially identical to the positional relationship between the arms(70L,70R) and the second surface(l2) according to the rotation of the body(33a) around the vertical axis(P).

No. of Pages : 51 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/09/2013

(21) Application No.3995/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SYSTEM AND METHOD FOR PREDICTIVE NETWORK CONGESTION CONTROL

(51) International classification :G08G1/00
(31) Priority Document No :13/608, 536
(32) Priority Date :10/09/2012
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)LANDSCHEIDT Dennis**
**2)KLEIN Marc-Oliver**

(57) Abstract :
A method for predictive network congestion control may include receiving network traffic data of a network. The network traffic data may be indicative of a current level of use of the network. A predicted future level of use at the location of the network may be identified based on the received network traffic data and based on past network traffic data for the location of the network. A recommendation to alter the future level of use for the location may be generated. The recommendation may include a type of alert to transmit to devices of users in the location of the network. The recommendation may be transmitted to a network policy management server of the network

No. of Pages : 33 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/09/2013

(21) Application No.4171/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD OF APPLYING LUBRICATION TO LEGS OF A HAIRPIN TUBE

(51) International classification :B21D53/00
(31) Priority Document No :13/647458
(32) Priority Date :09/10/2012
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)BRAZEWAY, INC.**
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(72)**Name of Inventor :**
**1)David W. Skrzypchak**
**2)Vikas Somani**
**3)Brian J. Christen**

(57) Abstract :
A method and system for manufacturing a hairpin tube. The method includes cutting a coil of tube to provide a plurality of lengths of tubes, and bending each length of tube to form a plurality of hairpin tubes. A lubricant is then atomized with an injector nozzle, and injected into at least one open end of each hairpin tube. After lubricating the hairpin tubes, the legs of each hairpin tube are expanded.

No. of Pages : 21 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/09/2013

(21) Application No.4172/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : INTERIOR PERMANENT MAGNET ELECTRIC ROTATING MACHINE

(51) International classification :H02K1/00
(31) Priority Document No :2012-217463
(32) Priority Date :28/09/2012
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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Address of Applicant :300, Takatsuka-cho, Minami-ku, Hamamatsu-shi, Shizuoka-ken , Japan.
(72)**Name of Inventor :**
**1)Masahiro AOYAMA**

(57) Abstract :
An electric rotating machine comprises a stator adapted for receiving stator windings; a rotor rotatable relative to the stator; permanent magnets in the rotor forming magnetic poles; and apertures with a low permeability. Each aperture is for that portion of one of the permanent magnets located in a predetermined range which would generate magnetic flux lines in such directions as to cancel magnetic flux lines emanating from the stator in the neighborhood of a direct axis of one of the magnetic poles if the permanent magnet were located in the predetermined range.

No. of Pages : 54 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/09/2013

(21) Application No.4173/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : INTERIOR PERMANENT MAGNET ELECTRIC ROTATING MACHINE

(51) International classification :H02K1/00
(31) Priority Document No :2012-217463
(32) Priority Date :28/09/2012
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)SUZUKI MOTOR CORPORATION**
Address of Applicant :300, Takatsuka-cho, Minami-ku, Hamamatsu-shi, Shizuoka-ken , Japan.
(72)**Name of Inventor :**
**1)Masahiro AOYAMA**

(57) Abstract :
An IPM electric machine comprises: a stator adapted for receiving stator windings; a rotor rotatable relative to the stator; multiple pairs of permanent magnets in the rotor; and an aperture substituted for that portion of each of the permanent magnets located in a predetermined range which would generate magnetic flux lines in such directions as to cancel magnetic flux lines emanating from the stator in the neighborhood of a direct axis of the magnetic pole if the permanent magnet were located in the predetermined range. The aperture includes an extra space developed in one of the magnet opening due to a reduction, in length along the magnet opening, of the permanent magnet. The aperture extends from the extra space beyond the periphery of the permanent magnet received in the magnet opening toward the outer periphery of the rotor.

No. of Pages : 77 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/02/2013

(21) Application No.700/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MOTORCYCLE TIRE

(51) International classification :B60C11/00
(31) Priority Document No :2012-045868
(32) Priority Date :01/03/2012
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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Address of Applicant :6-9, WAKINOHAMA-CHO 3-CHOME, CHUO-KU, KOBE-SHI, HYOGO 651-0072 Japan
(72)**Name of Inventor :**
**1)SHIBAMOTO SHOHEI**

(57) Abstract :
A motorcycle tire comprises a tread portion provided with a plurality of inner inclined grooves and inclined narrow grooves in both sides of a tire equator, wherein each inner inclined groove extends from an axially inner end to the outer end with an angle of 0-20 degrees with respect to a tire circumferential direction, the inner end of the inner inclined groove is located in a developed length within 5% of a tread half developed-width from the tire equator, each inner inclined groove has a circumferential length of 70-85 % of a first pitch, each inclined narrow groove with a groove width of 0.5-2.0 mm is provided between circumferentially adjacent inner inclined grooves and has an angle with respect to a circumferential direction of the tire larger than that of the inner inclined groove.

No. of Pages : 35 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/02/2012

(21) Application No.1326/CHENP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : APPARATUS FOR PNEUMATIC VACUUM SEPARATION OF BULK MATERIALS

(51) International classification :b65g
(31) Priority Document No :2010125066
(32) Priority Date :21/06/2010
(33) Name of priority country :Russia
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)KUZMIN Aleksandr Vladimirovich**
**2)KALINA Andrey Vladimirovich**
**3)TABAKOV Grigory Nikolaevich**
**4)BOYKO Dmitriy Yurievich**
**5)POLOMARCHUK Vladimir Semenovich**

(57) Abstract :
The invention relates to devices for separating pre-sorted bulk materials according to density. The apparatus for pneumatic vacuum separation of bulk materials comprises a loading hopper a feeder-divider in the form of a ribbed surface with longitudinal slits to remove the plate-shaped part of the bulk mixture and to provide for the uniform supply of the other part of the bulk mixture to a conveyor belt a mesh belt conveyor and a device for blowing the conveyor mesh with compressed air. The apparatus comprises carrier nozzles which are integral with settling hoppers and are located above the conveyor mesh. Feeding nozzles are located below the conveyor mesh on the same plane as the carrier nozzles and are simultaneously set for separating the source material into products of a certain density. The feeding nozzles are directly connected to devices that generate a flow of air at different speeds and force.

No. of Pages : 13 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/10/2013

(21) Application No.4515/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : WIRING DEVICE MOUNTING FRAME AND WIRING APPARATUS USING THE SAME

(51) International classification :H01R
(31) Priority Document No :2012-226434
(32) Priority Date :11/10/2012
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)PANASONIC CORPORATION**
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**1)IMAI, Katsuya**
**2)NISHIGAKI, Shunji**
**3)SAKABE, Masashi**
**4)KUSAMA, Kimio**
**5)UJIHARA, Hideaki**

(57) Abstract :
A mounting frame includes a metallic frame and a synthetic resin-made engaging member. An engaging part of a synthetic resin-made plate is engaged with the engaging member, and thereby the plate is mounted on the mounting frame. Therefore, in a case where the plate is attached or detached several times, it is difficult to abrade the engaging part. The engaging member includes a first abutting part that abuts to a front surface of the frame from the front, and a second abutting part that abuts to a rear surface of the frame. Therefore, even if the engaging member receives a force opposite to a mounting direction for mounting the engaging member to a mounting hole, it is difficult to detach the engaging member from the mounting frame. As a result, when the plate is mounted on the mounting frame, there is little possibility that the engaging member is detached from the mounting frame, and a construction is performed easily.

No. of Pages : 31 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2013

(21) Application No.679/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DERIVING ARTERIAL PULSE TRANSIT TIME FROM A SOURCE VIDEO IMAGE

(51) International classification :A61B5/00
(31) Priority Document No :13/401,286
(32) Priority Date :21/02/2012
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)MESTHA, LALIT, K.**

(57) Abstract :
The Disclosure What is disclosed is a system and method for determining an arterial pulse transit time of a subject of interest in a remote sensing environment. A video imaging system is used to capture a time varying source images of a proximal and distal region of a subject intended to be analyzed for arterial pulse transit time. A time series signal for each of the proximal and distal regions is extracted from the source images and a phase of each of the extracted time series signals is computed. A difference is then computed between these phases. This phase difference is a monotonic function of frequencies in the signals. From the monotonic function, an arterial pulse transit time of the subject is extracted. The subjects arterial pulse transit time is then communicated to a computer system. The computer system determines blood pressure, blood vessel blockage, blood flow velocity, or a peripheral neuropathy.

No. of Pages : 25 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/02/2013

(21) Application No.702/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A METHOD TO DETERMINE POSITION OF A CAM-RING IN A BALANCED VARIABLE VANE PUMP AND A METHOD OF WEAR DETERMINATION

(51) International classification :G01B
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)ROBERT BOSCH GMBH**
(72)**Name of Inventor :**
**1)SHUBHAM SAURAV**
**2)NIKHIL JALI**

(57) Abstract :
A method to determine position and for wear determination in a balanced variable vane pump is disclosed. A device for position determination and wear determination is also disclosed. The device comprises a controller, a motor driver and a current monitoring means. The current monitoring means is adapted to monitor current drawn by the balanced variable vane pump from motor driver. The controller is adapted to receive current feedback from the current monitoring means. The controller is adapted to receive a control signal from a system in which the balanced variable vane pump is used and the controller determines position and determines wear of the balanced variable vane pump in dependence of the current feedback and the control signal from the system.

No. of Pages : 16 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/10/2013

(21) Application No.4491/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CUTTING INSERT HAVING A COOLANT DUCT

(51) International classification :B23B51/00
(31) Priority Document No :102012111576.1
(32) Priority Date :29/11/2012
(33) Name of priority country :Germany
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)Igor Kaufmann**
**2)Anwar Sadat Mohideen Abdul**
**3)Franz Havrda**

(57) Abstract :
Cutting insert (12) having a main lip (28), a rake face (26) and at least one coolant duct (20), which is formed on the top side of the cutting insert (12). Here, the at least one coolant duct (20) runs at least partially in the rake face (26) toward the main lip (28) and the width thereof increases toward the main lip (28).

No. of Pages : 12 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2013

(21) Application No.4666/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : IGNITION COIL FOR INTERNAL COMBUSTION ENGINE

(51) International classification :H01F38/00
(31) Priority Document No :2012-230023
(32) Priority Date :17/10/2012
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)SANO, Masafuyu**

(57) Abstract :
An ignition coil for an internal combustion engine is equipped with an assembly of a connector casing and a coil body. The coil body includes a primary winding wound around a primary spool. The connector casing has terminals each of which is equipped with a conductor fastener. The conductor fastener has a slit in which one of ends of the primary winding is fit to make an electric connection between the terminal and the primary winding. The primary spool has conductor guides and a backup support to establish alignment of each of the ends of the primary winding with one of the conductor fasteners and also to facilitate insertion of each of the ends of the primary winding into one of the conductor fasteners when the coil body is fitted into the connector casing, thereby ensuring the stability of electric connection between the primary winding and the terminal.

No. of Pages : 36 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/10/2013

(21) Application No.4872/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HAIR CARE DEVICE

(51) International classification :A61Q5/00
(31) Priority Document No :2012-261874
(32) Priority Date :30/11/2012
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)SOHMURA, Takuji**
**2)SAIDA, Itaru**
**3)OKAWA, Kazumi**

(57) Abstract :
A hair care device includes: a power supply unit supplying an AC power; a heating unit generating heat by the AC power supplied from the power supply unit; a control unit controlling current-carrying to the heating unit with a switching unit; and a detecting unit detecting a power-supply voltage of the power supply unit. The control unit is configured to repeatedly make the switching unit start the current-carrying to the heating unit, after a predetermined time passes from a time point, at which the power-supply voltage detected by the detecting unit reaches a predetermined voltage other than 0 V.

No. of Pages : 36 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2013

(21) Application No.685/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ARRANGEMENT COMPRISING AN INTERNAL COMBUSTION ENGINE

(51) International classification :F16D13/00
(31) Priority Document No :10 2012 003 385.0
(32) Priority Date :22/02/2012
(33) Name of priority country :Germany
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)VOGEL, WERNER**
**2)LAMPALZER, MARKUS**
**3)GEISSLER, JOSEF**
**4)SCHREINER, BERND**
**5)PATLA, MICHAEL**

(57) Abstract :
An arrangement comprising an internal combustion engine, a flywheel (1) arranged on the crankshaft of the internal combustion engine, a starter generator (3) arranged in a housing (2) of the flywheel (1), and a friction clutch (4), which connects the flywheel (1) to a transmission, wherein an intermediate piece (5) is fastened to the output side of the flywheel (1), such that - a torque-transmitting fastening (8) of the intermediate piece (5) to the flywheel (1) is arranged radially to the inside of a torque-transmitting fastening (9) of the intermediate piece (5) to the friction clutch (4), based on the radial spacing (6) from the axis of rotation (7) of the flywheel (1), and that - the intermediate piece (5) forms the abutment for a friction lining (12) of the friction clutch (4) at an abutment surface (11) .

No. of Pages : 28 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/02/2013

(21) Application No.709/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A MULTIPURPOSE VERSATILE DEVICE FOR MEDICAL AND PERSONAL CARE

(51) International classification :A61B17/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)MR. YEDIDA VENKATA SURYA JAGANNATH**

(57) Abstract :
A multipurpose versatile and compact dispensing device for use in surgical wound closure procedures with a plurality of inter-connected flexiblecontainers attached to the top member and a base member, said device having a continuously stable upright configuration and being capable of containing, storing and dispensing one or more readily-utilizable liquids, optionally, fluidized solids / powders and, optionally accessories therefor, said containers being equipped with applicators / nozzles for each of the stored components/compositions, comprising of a top member comprising a tubular housing including a filter, cap, cutting / piercing unit configured for opening said containers and a screw track at the bottom inside circumferential periphery of the housing for mating;a hollow base member means configured for containing, storing and dispensing a plurality of surgical items like gauze roll, suture with needle including a lid at the bottom; aplurality of inter-connected flexible containers contains variety of items used in a surgical wound closure procedure namely, adhesive medicament, anaesthetic medicament, sanitizer, antiseptic etc. and each container possess a tube cap plug disposed at the top configured for attachment with each other including the top member and hollow base member;a plurality of tube cap plug means vertically-disposed between two said containers detachably and sealable attached to the rim of the upper orifice of said tubular housing or optionally attached to either bottom of each container.

No. of Pages : 21 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/09/2013

(21) Application No.4195/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : STEERING SUPPORT MEMBER

(51) International classification :B62D25/00
(31) Priority Document No :2012-207789
(32) Priority Date :21/09/2012
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)Ryo ATSUMI**

(57) Abstract :
It is an object of the present invention to provide a steering support member that can achieve enhanced support strength and support rigidity while reducing its weight. A steering support member 100 according to the present invention supports a steering shaft 139, extends in a vehicle width direction and is fixed at both ends 104a to lateral sides of a vehicle, is molded of a light alloy or a resin composite material. And the steering support member 100 includes a fixing portion 110 having a shape of a truncated cone that extends toward a vehicle front side from the vicinity of a position supporting the steering shaft, a top 110a of the fixing portion 110 being fixed to a dash panel 102 delimiting an engine room in a vehicle front portion, and a plurality of reinforcing ribs 118, 120, 122, 124, 126, and 128 that are arranged upright along tangents La, Lb, Lc, Ld, Le, and Lf to a circle E constituted by the top of the fixing portion and to a bottom circle F.

No. of Pages : 32 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/09/2013

(21) Application No.4354/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD AND SYSTEM FOR PROVIDING AN EXTERNAL OPTICAL DATA PACKET TO A DESTINATION NODE OF A PACKET OPTICAL NETWORK

(51) International classification :H04L12/00
(31) Priority Document No :12186801.2
(32) Priority Date :01/10/2012
(33) Name of priority country :EPO
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)WEI, Qing**
**2)KOZU, Kazuyuki**

(57) Abstract :
A method and a system for providing an external optical data packet (222) to a destination node of a packet optical network (202) are described. The packet optical network (202) includes a plurality of nodes (210-216) and a first optical data channel (224) for optically communicating local optical data packets between the plurality of nodes (210-216). The external optical data packet (222) is optically converted (230) for a transmission to the destination node over a second optical data channel (226) of the packet optical network (202), the first and second optical data channels (224, 226) being independent of each other, the converted external optical data packet (222) is optically transferred to the packet optical network (202), and the converted external optical data packet (222) is transmitted to the destination node over the second optical data channel (226).

No. of Pages : 34 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/10/2013

(21) Application No.4636/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PROCESS FOR THE ISOLATION OF RHAMNOLIPIDS

(51) International classification :B01D19/00
(31) Priority Document No :102012221519.0
(32) Priority Date :26/11/2012
(33) Name of priority country :Germany
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)SCHILLING, Martin**
**2)RUETERING Marius**
**3)DAHL VERENA**
**4)CABIROL FABIEN**

(57) Abstract :
The invention relates to a process for the isolation of rhamnolipids

No. of Pages : 14 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2013

(21) Application No.691/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : UNIFIED PLATFORM FOR BIG DATA PROCESSING

(51) International classification :G06F17/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)SUDHEESH CHANDRAN NARAYANAN**
**2)SANDEEP BHAGAT**

(57) Abstract :
Embodiments of the present invention relate to methods and systems for big data processing. The invention also discloses a system for processing big data. The system includes extraction modules for extracting data from the data sources. The system also includes means for defining rules to be applied on the data and means for applying the rules on the data in conjunction with the extraction modules. The means for applying the rules is capable of applying pre-defined set of rules and the rules defined by means of defining the rules. The system also has controllers for defining access control restrictions on the data in conjunction with the extraction modules, display for displaying visual representations of the data processing in conjunction with the extraction modules and memory to store the extracted data in indexed form.

No. of Pages : 18 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/02/2013

(21) Application No.730/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : OVERLAID VIRTUAL PLAYGROUND AND OVERLAID VIRTUAL INFORMATION DELIVERY PLATFORM FOR RESTAURANTS, CATERING BUSINESSES AND OTHER BUSINESSES USING MENU CARDS, PIZZA BOXES, FLYERS, AND OTHER OBJECTS

(51) International classification :G06F
(31) Priority Document No :61601024
(32) Priority Date :21/02/2012
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)MAHESH BABU MARIAPPAN**

(57) Abstract :
Conventionally, restaurants that want to provide gaming experience for customers need to install physical hardware such as expensive playground equipment such as swings, slides, etc or at the least some table top rod soccer games that consume valuable physical space and real estate. There is a constraint on the real estate space that can be allocated by restaurants for installing such gaming equipment and hardware. There is also a limit on the number of customers who can simultaneously play those games because of the limitation on the number of units that can be installed. In addition, printed material found in restaurants such as restaurant menu cards, brochures, flyers, etc can deliver only so much information. In other words, there is a constraint on paper real estate in terms of the limited printing space available on paper. The present invention addresses these issues by providing a virtual platform that is overlaid on top of real world objects for rich entertainment and information consumption experience, thereby saving both real estate (space for installing physical hardware such as swings, slides, etc) and paper real estate (printing space on paper and other materials). To provide rich entertainment experience, the present invention transforms the restaurant tables into a platform for mobile gaming by augmenting virtual game characters on top of the menu card which is viewed through the mobile devices camera viewer. Other objects typically present in restaurant tables such as the salt and pepper shakers, forks, spoons, napkin dispenser, etc are automatically virtualized and used inside the mobile device game as game characters that can be manipulated inside the game and played with. Besides, the present invention automatically recognizes printed material such as printed text, images, photographs, pictures, graphics, patterns, etc and streams relevant multimedia content such as audio, video, animation, etc thus acting as a platform for information delivery. This kind of transformation essentially turns typically bland, boring and inanimate printed text found in materials such as restaurant menu cards, brochures, flyers, news magazines, newspapers, books, etc into videographic information and other rich animated multimedia content streamed from remote computer servers. In addition, performance on this gaming platform is tied to restaurant reward points redeemable towards free food. In summary, the present invention primarily entertains, informs and rewards restaurant customers and other users depending on the usecase, besides saving precious property real estate and printed space paper real estate for restaurant owners and other beneficiaries, again depending on the usecase.

No. of Pages : 31 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/09/2013

(21) Application No.4041/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MULTILEVEL CONVERTER SYSTEM

(51) International classification :H02M7/00
(31) Priority Document No :13/629,882
(32) Priority Date :28/09/2012
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)ZHANG, Di**
**2)GARCES, Luis Jose**
**3)DATTA, Rajib**
**4)RAJU, Ravisekhar Nadimpalli**

(57) Abstract :
The Invention A power converter is presented. The power converter includes at least one leg, the at least one leg includes a first string, where the first string includes a plurality of controllable semiconductor switches, a first connecting node, and a second connecting node, and where the first string is operatively coupled across a first bus and a second bus. Furthermore, the at least one leg includes a second string operatively coupled to the first string via the first connecting node and the second connecting node, where the second string includes a plurality of switching units. A method for power conversion is also presented.

No. of Pages : 37 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2013

(21) Application No.4659/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SYSTEM-ON-CHIP PROCESSING SECURE CONTENTS AND MOBILE DEVICE COMPRISING THE SAME

(51) International classification :H04L9/00
(31) Priority Document No :10-2012-0119719
(32) Priority Date :26/10/2012
(33) Name of priority country :Republic of Korea
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)PARK, Dongjin**
**2)KANG, Myunghee**
**3)KIM, Jungtae**
**4)OH, Jaeryul**
**5)WON, Jong-Bin**
**6)LEE, Yoonjick**

(57) Abstract :
A mobile device is provided which includes a working memory having a memory area divided into a secure domain and a non-secure domain; and a system-on-chip configured to access and process contents stored in the secure domain. The system-on-chip includes a processing unit driven by at least one of a secure operating system and a non-secure operating system; at least one hardware block configured to access the contents according to control of the processing unit comprising a master port and a slave port which are set to have different security attributes; at least one memory management unit configured to control access of the at least one hardware block to the working memory; and an access control unit configured to set security attributes of the slave port and the master port or an access authority on each of the secure domain and the non-secure domain of the working memory.

No. of Pages : 48 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2013

(21) Application No.4537/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : COLUMN SMART MECHANISM FOR COLUMN BASED DATABASE

(51) International classification :G06F17/00
(31) Priority Document No :201210544711.6
(32) Priority Date :14/12/2012
(33) Name of priority country :China
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)Yingqiao Liu**
**2)Lin Zhu**
**3)Huayang Jiang**

(57) Abstract :
Embodiments of the present disclosure may provide a system and method for processing an online transactional processing (OLTP) transaction on a column-based storage of a database. The method may include receiving a request of the OLTP transaction to access data on the column-based storage. A determination may be made whether a cache associated with the database includes column information for the OLTP transaction. If the cache includes the column information for the OLTP transaction, the method may include processing the OLTP transaction with the column information in the cache. If the cache does not include the column information for the OLTP transaction, the method may include selecting columns from the column-based storage of the database.

No. of Pages : 19 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/10/2013

(21) Application No.4724/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : COPPER ALLOY MATERIAL FOR ELECTRICAL AND ELECTRONIC COMPONENTS AND METHOD OF PREPARING THE SAME

| | |
|---|---|
| (51) International classification | :C22C9/00 |
| (31) Priority Document No | :10-2012-0126595 |
| (32) Priority Date | :09/11/2012 |
| (33) Name of priority country | :Republic of Korea |
| (86) International Application No | :NA |
| Filing Date | :NA |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number | :NA |
| Filing Date | :NA |
| (62) Divisional to Application Number | :NA |
| Filing Date | :NA |

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(72)**Name of Inventor :**
**1)PARK, Cheol Min**
**2)HWANG, In Youb**

(57) Abstract :
A copper alloy material for electrical and electronic components and a method of preparing the same are disclosed. In particular, a copper alloy material with excellent mechanical strength characteristics, high electrical conductivity, and high thermal stability as a material for information transmission and electrical contact of connectors or the like for home appliances and automobiles, including semiconductor lead frames and a method of preparing the same are disclosed.

No. of Pages : 41 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/02/2013

(21) Application No.657/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A CURVE ASSEMBLY FOR A CONVEYOR

(51) International classification :B65G25/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)ROBERT BOSCH GMBH**
(72)**Name of Inventor :**
**1)SANTHOSH V**
**2)PRAVEEN R KOLKOOR**
**3)TILL GUENER**

(57) Abstract :
The present invention discloses a curve assembly (10) for a conveyor system is disclosed. The curve assembly (10) comprises a plurality of mounting elements (12) for mounting of slide rails (14) of the conveyor system. The mounting elements (12) have a straight profile with chamfered ends (12a, 12b). The chamfered ends (12a, 12b) of each of the mounting elements (12) have the same chamfer angle. The mounting elements (12) are adapted to be positioned in a manner that their chamfered ends (12a, 12b) abut each other forming a curved profile. A connecting element (16) is adapted to connect the adjacent mounting elements (12) as well as mounting elements (12) of the inner slide rail (14) and those of the outer slide rail (14).

No. of Pages : 10 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/10/2013

(21) Application No.4893/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : STORAGE DEVICE, COMPUTING SYSTEM INCLUDING THE SAME AND DATA TRANSFERRING METHOD THEREOF

(51) International classification :G06F13/00
(31) Priority Document No :10-2012-0134589
(32) Priority Date :26/11/2012
(33) Name of priority country :India
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)SHIM, Hojun**
**2)KIM, Eunchan**

(57) Abstract :
A data transfer method of a storage device which includes a host bus adaptor to communicate with an external host via a first interface and to communicate internally via a second interface is provided. The data transfer method may include issuing a write command and a read command to the host bus adaptor; performing a read direct memory access operation using the first interface in response to the write command and simultaneously performing a write direct memory access operation using the second interface in response to the read command; and generating frame information structure (FIS) sequences according to the second interface in response to the issued write command and the issued read command. The first interface may perform a full duplex data transfer and the second interface may perform a half-duplex data transfer.

No. of Pages : 55 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/10/2013

(21) Application No.4478/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : APPARATUS AND METHOD FOR SCENE CHANGE DETECTION-BASED TRIGGER FOR AUDIO FINGERPRINTING ANALYSIS

(51) International classification :H04N21/00
(31) Priority Document No :13/656,152
(32) Priority Date :19/10/2012
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)Tonni LARSEN**
**2)Thomas DAWSON**

(57) Abstract :
Certain aspects of an apparatus and method for scene change detection-based trigger for audio fingerprinting analysis may include a content-rendering device communicably coupled to a content-server. The content-rendering device may sample an audio component of the content at a sampling rate. The content-rendering device may generate and communicate to the content-server, an audio fingerprint based on the sampled audio component. The content-rendering device may further modify the sampling rate based on a detected scene change in the content. The scene change may be detected based on the communicated audio fingerprint. In another embodiment, the content-server may receive a plurality of audio fingerprints and detect a change in a type of content associated with the plurality of audio fingerprints. The content-server may further communicate a trigger signal to the content-rendering device that indicates the detected change in the type of content associated with the plurality of audio fingerprints.

No. of Pages : 28 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/10/2013

(21) Application No.4568/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : UPPER STRUCTURE OF VEHICLE BODY REAR PART

(51) International classification :B62D25/00
(31) Priority Document No :2012-254152
(32) Priority Date :20/11/2012
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)Kensaku ITO**

(57) Abstract :
To provide an upper structure of a vehicle body rear part that can improve load bearing performance of a vehicle body without increasing vehicle weight while increasing a vehicle interior space. In an upper structure of a vehicle body rear part configured to reinforce an upper part of a corner portion between a vehicle body side surface and a vehicle body rear surface, an upper quarter inner panel in an upper region of the vehicle body side surface and a lower quarter inner panel below the upper quarter inner panel are joined below a seatbelt anchor attaching portion of the upper quarter inner panel, the upper quarter inner panel and an upper back pillar inner panel arranged behind the upper quarter inner panel in an upper region of the vehicle body rear surface are joined, the upper back pillar inner panel and a lower back pillar inner panel arranged behind the lower quarter inner panel and below the upper back pillar inner panel are joined, and the lower quarter inner panel and the lower back pillar inner panel are joined.

No. of Pages : 31 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.865/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PRECURSOR OF (METH)ACRYLAMIDE COMPOUND

| | |
|---|---|
| (51) International classification | :C07D317/00 |
| (31) Priority Document No | :2012-065145 |
| (32) Priority Date | :22/03/2012 |
| (33) Name of priority country | :Japan |
| (86) International Application No | :NA |
| Filing Date | :NA |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number | :NA |
| Filing Date | :NA |
| (62) Divisional to Application Number | :NA |
| Filing Date | :NA |

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**1)AMAO, AKIHITO**
**2)LOTAGAWA. HIROTAKA**
**3)YASUDA, KOJI**

(57) Abstract :
A compound represented by formula (1): wherein in formula (1), Z represents a residue obtained by removing n hydrogen atoms from hydroxyl groups of a polyol; n represents an integer of 3 to 6; R1 represents a hydrogen atom or a methyl group; R2 represents an alkylene group having 1 to 8 carbon atom(s); X1 represents a halogen atom; and a plurality of Rs, R2S, and Xs may be the same or different from each other.

No. of Pages : 26 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/10/2013

(21) Application No.4641/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SYSTEM AND METHOD FOR TEMPORAL RATING AND ANALYSIS OF DIGITAL CONTENT

(51) International classification :G06Q30/00
(31) Priority Document No :1299/CHE/2013
(32) Priority Date :25/03/2013
(33) Name of priority country :India
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)SATTAM DASGUPTA**
**2)ANIL KUMAR AGARA VENKATESHA RAO**

(57) Abstract :
A system and method for temporal rating and analysis of digital content in a temporally changing digital content environment are disclosed. In one embodiment, one or more end points, one or more content service providers, and a rating analytics server (RAS) are communicatively connected via a communication network. In one example, each of the end points includes a rating capture module (RCM). Further, the digital content is sent to the end points by the content service providers. Furthermore, temporal rating, inputs and/or reactions of consumers are dynamically captured, by the RCM, while viewing and/or listening to digital content on the end points. In addition, the captured temporal rating, inputs and/or reactions are sent to the RAS by the RCM. Also, the received temporal rating, inputs and/or reactions are analyzed and sent to the content service providers by the RAS.

No. of Pages : 41 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/02/2013

(21) Application No.592/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A MANIFOLD ASSEMBLY FOR A REFREIGERANT RECOVERY AND RECHARGE DEVICE

(51) International classification :B01L
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)BOSCH LIMITED**
**3)ROBERT BOSCH GMBH**
(72)**Name of Inventor :**
**1)RAJESH KASHYAP**
**2)VENKATESH G K**

(57) Abstract :
A manifold assembly for a refrigerant recovery and recharge device is disclosed. The manifold assembly comprises a manifold block having a first surface for fitting pluralities of accessories to the manifold block. The manifold block comprising at least one recess located on the first surface and at least one adaptor adapted to be fitted in the at least one recess to fit the pluralities of accessories to the manifold block.

No. of Pages : 9 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/02/2013

(21) Application No.621/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PROCESS FOR THE PREPARATION OF AMORPHOUS (+)-4'-[(7-CHLORO-2,3,4,5-TETRAHYDRO-5-HYDROXY-1H-1-BENZAZEPIN-1-YL) CARBONYL]-0-TOLU-M-TOLUIDIDE

(51) International classification :C07D
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)SRINIVASAN THIRUMALAI RAJAN**
**2)MARAM REDDY SAHADEVA REDDY**

(57) Abstract :
The present invention relates to a non-hygroscopic amorphous free-flowing powder form of (±)-4-[(7-chloro-2,3,4,5-tetrahydro-5-hydroxy-l//-l-benzazepin-l-yl)carbonyl]-o-tolu-m-toluidide represented by the following structural formula-1 and process for its preparation.

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/09/2013

(21) Application No.4154/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : LATENT DEFECT IDENTIFICATION

(51) International classification :G06F11/00
(31) Priority Document No :12186705.5
(32) Priority Date :28/09/2012
(33) Name of priority country :EPO
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)ACCENTURE GLOBAL SERVICES LIMITED**
Address of Applicant :3 Grand Canal Plaza, Grand Canal Street Upper, Dublin 4, Ireland.
(72)**Name of Inventor :**
**1)Basil ELJUSE**

(57) Abstract :
A method of determining test data for use in testing software involves identifying software that is known to have one or more bugs and which has a similar structure to software under test before using knowledge of those one or more bugs to create test data for the software under test

No. of Pages : 26 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/02/2013

(21) Application No.652/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A COATED SPIRULINA BASED TABLETS AND A PROCESS FOR COATING A SPIRULINA BASED TABLETS

(51) International classification :A61K9/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)MR. SAJIV KUMAR MENON**

(57) Abstract :
This invention discloses a method of aqueous coating of tablet for to mask algae odor of Spirulina and coating materials comprises of HPMC, Phycocyanin and flavoring agents. The coated tablets and tablet coating compositions of this invention are made from natural coating materials to avoid synthetic complaints. The coating composition can be formulated for use in spraying or other conventional film-forming techniques to form a finished tablet coating made primarily or entirely of natural ingredients and which exhibits excellent odor masking and a natural coating of tablets made by using of relatively inexpensive ingredients, and which may have a desirable smooth texture and shiny appearance, while providing mechanical and chemical properties that protect the tablet core against damage and degradation.

No. of Pages : 8 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2013

(21) Application No.672/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SPACER FOR ROLLING BEARING WITH LOW FRICTION CONTRIBUTION

(51) International classification :F16C33/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)AKTIEBOLAGET SKF**
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(72)**Name of Inventor :**
**1)CYRIL BOURON**
**2)JEAN-BAPTISTE MAGNY**
**3)PASCAL OVIZE**

(57) Abstract :
The spacer is adapted for a rolling bearing comprising an inner ring, an outer ring and at least one row of contact rollers disposed between raceways and guiding surfaces provided on the rings. The spacer comprises opposite inner and outer portions 11,12 facing one another and at least a first lateral portion 13 extending transversally between the inner and outer portions and connected to said portions. The inner and outer portions 11,12 and the first lateral portion 13 delimit at least partly a pocket 15 configured to receive at least a contact roller. The inner and outer portions 11,12 each comprise at least a protruding means 11c, 11 d, 11 e, 12c, 12d, 12e extending outwards and having a contact surface with one of the inner and outer rings.

No. of Pages : 25 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2013

(21) Application No.868/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : POLYMORPHS OF 2-(2-AMINOTHIAZOL-4-YL)-N-[4-(2R)-2-HYDROXY-2-PHENYLETHYL] AMINO}ETHYL)PHENYL]ACETAMIDE MONOHYDROCHLORIDE

(51) International classification :C07D
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)SRINIVASAN THIRUMALAI RAJAN**
**2)SAJJA ESWARAIAH**
**3)SURAPARAJU RAGHURAM**

(57) Abstract :
The present invention relates to 2-(2-aminothiazol-4-yl)-N-[4-(2-{[(2R)-2-hydroxy-2-phenylethyl]amino}ethyl)phenyl]acetamide monohydrochloride compound of formula-la, its hydrates, polymorphs and process for preparation thereof.

No. of Pages : 27 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/09/2013

(21) Application No.4175/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : INTERIOR PERMANENT MAGNET ELECTRICAL ROTATING MACHINE

(51) International classification :H02K1/00
(31) Priority Document No :2012-217463
(32) Priority Date :28/09/2012
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)Masahiro AOYAMA**

(57) Abstract :
An interior permanent magnet electric rotating machine comprises a stator adapted for receiving stator windings; a rotor rotatable relative to the stator; permanent magnets embedded in the rotor. Each of apertures is substituted for that portion of one of the permanent magnets located in a predetermined range which would generate magnetic flux lines in such directions as to cancel magnetic flux lines emanating from the stator in the neighborhood of a direct axis of one of magnetic poles formed by the permanent magnets if the permanent magnet were located in the predetermined range. The relationship among a radial distance R2 from the rotor axis to that end of the flux barrier which is located near the rotor axis, an outer radius R1 and an inner radius R3 is expressed as 0.56R2/R10.84 and 0.54R3/R20.82.

No. of Pages : 69 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/09/2013

(21) Application No.4429/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : INTERIOR PERMANENT MAGNET ELECTRIC ROTATING MACHINE

(51) International classification :H02K1/00
(31) Priority Document No :2012-217463
(32) Priority Date :28/09/2012
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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Address of Applicant :300 Takatsuka-cho, Minami-ku, Hamamatsu-shi, Shizuoka-ken, Japan.
(72)**Name of Inventor :**
**1)Masahiro AOYAMA**

(57) Abstract :
An IPM electric machine comprises: a stator adapted for receiving stator windings; a rotor rotatable relative to the stator; multiple pairs of permanent magnets in the rotor; and an aperture substituted for that portion of each of the permanent magnets located in a predetermined range which would generate magnetic flux lines in such directions as to cancel magnetic flux lines emanating from the stator in the neighborhood of a direct axis of the magnetic pole if the permanent magnet were located in the predetermined range. Center grooves are formed in an outer periphery of the rotor and located on the direct axes, respectively. The center groove satisfies a relationship expressed as $0.98R4/R1<1.0$. R1 is the outer radius to the outer periphery from the axis of the rotor, and R4 is the radial distance to a groove bottom of the center groove from the axis of the rotor.

No. of Pages : 86 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2013

(21) Application No.4610/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DISPLAY MODULE AND DISPLAY APPARATUS HAVING THE SAME

(51) International classification :G02F
(31) Priority Document No :10-2012-0122492
(32) Priority Date :31/10/2012
(33) Name of priority country :Republic of Korea
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)Byung Joo PAEK**
**2)Woo Sung IN**
**3)Jun Ki NOH**

(57) Abstract :
A bottom sash of a display module is provided. The bottom sash includes a bead part formed by depressing some portions of the bottom sash toward a rear side, and a reinforcing panel attached to a front surface of the bottom sash and spaced apart from the bead part.

No. of Pages : 19 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/09/2013

(21) Application No.4206/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : NOZZLE FOR THE SUPPLY OF BIOLOGICAL MATERIAL, IN PARTICULAR CELLS, MEDICAL DEVICE WITH SUCH A NOZZLE, USE OF A NOZZLE, METHOD FOR MIXING FLUIDS AND APPARATUS

(51) International classification :A61M1/00
(31) Priority Document No :12188674.1
(32) Priority Date :16/10/2012
(33) Name of priority country :EPO
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)FISCHER, Klaus**
**2)SZYRACH, Mara**
**3)FECH, Andreas**
**4)ENDERLE, Markus D.**

(57) Abstract :
The invention relates to a nozzle for the supply of biological material, in particular tissue cells, having a mixing chamber (11) which is delimited by a proximal end surface (21) and a distal end surface (22) spaced apart from the proximal end surface (21), at least one nozzle opening (23) which is formed in the distal end surface (22), and at least two supply ducts (30, 40, 50) which discharge into the mixing chamber (11). The invention is characterised in that a first supply duct (30) is arranged in the proximal end surface (21) and discharges into the mixing chamber (11) coaxially to the nozzle opening (23) and a second supply duct (40) has an inlet opening (42) which discharges into the mixing chamber (11) laterally, in particular tangentially at the distal end surface (22).

No. of Pages : 41 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/10/2013

(21) Application No.4644/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SECURITY MANAGEMENT UNIT, HOST CONTROLLER INTERFACE INCLUDING SAME, METHOD OPERATING HOST CONTROLLER INTERFACE, AND DEVICES INCLUDING HOST CONTROLLER INTERFACE

| | |
|---|---|
| (51) International classification | :G06F21/00 |
| (31) Priority Document No | :10-2012-0116890 |
| (32) Priority Date | :19/10/2012 |
| (33) Name of priority country | :Republic of Korea |
| (86) International Application No | :NA |
| Filing Date | :NA |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number | :NA |
| Filing Date | :NA |
| (62) Divisional to Application Number | :NA |
| Filing Date | :NA |

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(72)**Name of Inventor :**
**1)KIM, Kwan Ho**
**2)KIM, Seok Min**
**3)LEE, Heon Soo**

(57) Abstract :
A method of operating a host controller interface includes receiving a buffer descriptor including sector information from a main memory, fetching data by using a source address included in the buffer descriptor, selecting one of a plurality of entries included in a security policy table by using the sector information, and determining whether to encrypt the fetched data by using a security policy included in the selected entry.

No. of Pages : 59 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/10/2013

(21) Application No.4776/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SYSTEM RESOURCE MANAGEMENT METHOD FOR VIRTUAL SYSTEM

(51) International classification :G06Q10/00
(31) Priority Document No :2012-266837
(32) Priority Date :06/12/2012
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)Kenji SUMII**
**3)Shingo WAKAMATSU**
**4)Yuki TATEISHI**
**5)Kohei YOSHIKAWA**
**6)Akinao HARADA**
**7)Kazuhiko WATANABE**
**8)Kengo YAMATANI**

(57) Abstract :
Specifically, a service menu is set for each user ID to determine an information distribution range/distribution amount according to the service menu. Finally, vendor lock-in of an infrastructure (hardware, software) is a typical alternative to be adopted to provide high-quality service at low cost. Pieces of information obtained for each product are temporarily collected, are categorized at the same level into pieces of information for respective purposes (screens), and then are provided for users. This achieves proper capacity planning.

No. of Pages : 48 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/02/2013

(21) Application No.651/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A COATED LECITHIN BASED TABLETS AND A PROCESS FOR COATING LECITHIN BASED TABLES

(51) International classification :A61K9/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)DR. RAMANAN EZHIL ARASAN**
**2)MR. SAJIV KUMAR MENON**

(57) Abstract :
This invention relates to a process for coating lecithin based tablets. For this, homogeneous granules are made by using predetermined size HPMC. And granulated lecithin and powdered phycocyanin are mixed. After this, coating the tablets made with proper composition of adding a coating material comprising of mixture of HPMC, Diethyl Phthalate, Phycocyanin and Ethyl Cellulose. And this invention helps effectively to reduce excipients. Further above said granules mix with phycocyanin power went moisture barrier coating for avoiding moisture absorption in end users in the form of tablets suitable for ingesting orally.

No. of Pages : 6 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/10/2013

(21) Application No.4562/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MOTORCYCLE AND VEHICLE POWER CHARGER DEVICE CAPABLE OF INDICATING POWER LEVEL OF A BATTERY OF THE MOTORCYCLE

(51) International classification :H02J7/00
(31) Priority Document No :101221175
(32) Priority Date :01/11/2012
(33) Name of priority country :Taiwan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)LONG ANN CHIU**

(57) Abstract :
A motorcycle and vehicle power charger device capable of indicating power level of a battery of the motorcycle comprises; a charging circuit board having a power charging circuit and a power capacity detector; the power capacity detector including a power capacity detection circuit and a power ranking circuit; the power capacity detection circuit serving to measure the power capacity of the power source and output a power capacity signal; the power ranking circuit being connected to the power capacity detection circuit for receiving the power capacity signal and dividing the power capacity into a plurality of ranks so as to drive a respective one of a plurality of light emitting circuits to light up so as to indicate the power capacity of the power source.

No. of Pages : 11 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/02/2013

(21) Application No.653/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A DIETARY SUPPLEMENT WITH SPIRULINA AND A METHOD OF PREPARING A DIETARY SUPPLEMENT WITH SPIRULINA

(51) International classification :A23L1/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)DR. RAMANAN EZHIL ARASAN**
**2)MR. SAJIV KUMAR MENON**

(57) Abstract :
A method of preparing dietary supplement for inhibiting adherence of pathogens in the gastrointestinal tract of a subject and said supplimentry is a the prebiotic component containing spirulina, and adding probiotic blend , Bacillus coagulans , L. Acidophilus hctl with rich nutritional compositions of Phyto pigments like Phycocyanin, beta carotenes, Xanthophylls, high level chlorophylls, Natural Vitamins, Minerals and amino-acids, The nutritional compositions of the present disclosure comprise a lipid source, a protein source, and a carbohydrate source comprising an effective amount of the prebiotic as well as co-biotic components. The method comprises administering an effective amount of the prebiotic/ cobiotic components.

No. of Pages : 9 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/02/2013

(21) Application No.723/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ROBOT SYSTEM AND METHOD FOR MANUFACTURING FITTING

(51) International classification :G05B19/00
(31) Priority Document No :2012-138295
(32) Priority Date :20/06/2012
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)TETSURO IZUMI**
**2)YUKIO HASHIGUCHI**
**3)TAKUYA FUKUDA**
**4)RYOICHI NAGAI**

(57) Abstract :
In this robot system, a control portion includes a workpiece supporting operation command portion, a workpiece positioning operation command portion causing a second robot arm to move a workpiece toward a workpiece fitted portion while causing an end effector of the second robot arm to support the workpiece, and a fitting operation command portion causing a first robot arm to fit the workpiece into the workpiece fitted portion.

No. of Pages : 82 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/10/2013

(21) Application No.4782/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : EXTENSION OF CLINICAL GUIDELINES BASED ON CLINICAL EXPERT RECOMMENDATIONS

(51) International classification :G06F19/00
(31) Priority Document No :12191613.4
(32) Priority Date :07/11/2012
(33) Name of priority country :EPO
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)KONINKLIJKE PHILIPS N.V.**
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(72)**Name of Inventor :**
**1)BUCUR, Anca Ioana Daniela**
**2)VDOVJAK , Richard**

(57) Abstract :
A clinical decision support system comprises a clinical guideline (1) extended with expert recommendations. At least one of the nodes (3) is associated with a pair (4) of a clinical question (5) and a corresponding clinical answer (6), the pair forming an extension to the clinical guideline (1) for the purpose of the clinical decision support. A node unit (7) is arranged for determining a node (3) of the plurality of nodes, based on a condition of a specific patient and the set of clinical preconditions of the node. A presenting unit (8) is arranged for presenting at least a part of the pair (4) of the question (5) and/or the corresponding clinical answer (6) associated with the relevant node (3). A matching unit (10) is arranged for matching a question against a collection of existing questions previously answered, in dependence on the relevant node (3).

No. of Pages : 26 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/10/2013

(21) Application No.4884/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CONTROLLING A DATA STREAM

(51) International classification :H04L29/00
(31) Priority Document No :12 425 179.4-1907
(32) Priority Date :05/11/2012
(33) Name of priority country :EUROPEAN UNION
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)Giuseppe CAPUOZZO**
**2)Orlando ONORATO**
**3)Donatella ENEI**
**4)Eli Komlan DZAH**

(57) Abstract :
The present application relates to controlling a data stream from a server computer to a client computer. The client computer comprises a data stream client and the server computer comprises a data stream server. While receiving, by the data stream client from the data stream server, the data stream, the method may comprise generating a power management decrease event. While receiving, by the data stream client, the data stream, the method may further comprise receiving the power management decrease event. While receiving the data stream, the method may further comprise sending a first pause request to temporarily halt the data stream. The first pause request may be sent after the power management decrease event is received. The method may further comprise transitioning from a fully working power state to a decreased power consumption state in response to the power management decrease event.

No. of Pages : 30 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2013

(21) Application No.684/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ARRANGEMENT COMPRISING AN INTERNAL COMBUSTION ENGINE

(51) International classification :F02N15/00
(31) Priority Document No :10 2012 003 386.9
(32) Priority Date :22/02/2012
(33) Name of priority country :Germany
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)VOGEL, WERNER**
**2)LAMPALZER, MARKUS**
**3)GEISSLER, JOSEF**
**4)SCHREINER, BERND**
**5)PATLA, MICHAEL**

(57) Abstract :
An arrangement comprising an internal combustion engine having a crankshaft, a flywheel (2), which is connected to the crankshaft and is coupled by means of a coupling device (1) to output elements, wherein an intermediate piece (4) is arranged in a torque-transmitting manner between the flywheel (2) and the coupling device (1), and a starter generator (5) is arranged within a flywheel housing (6) and operatively connected to the crankshaft, wherein the intermediate piece (4) has in the centre (10) thereof an opening (11) in which a shaft body (12) is mounted in an axially movable manner, and the shaft body (12) is connected to the coupling device (1) by means of a flexible transmission element (13).

No. of Pages : 24 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/09/2013

(21) Application No.4167/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SYSTEMS AND METHODS FOR DATA PRIVACY AND DESTRUCTION IN MULTI-SYSTEM LANDSCAPES

(51) International classification :G06F
(31) Priority Document No :13/623,407
(32) Priority Date :20/09/2012
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)SAP AG**
Address of Applicant :Dietmar-Hopp-Allee 16, 69190 Walldorf, Germany
(72)**Name of Inventor :**
**1)Siar Sarferaz**

(57) Abstract :
A method for managing personal data access in a multi-system landscape includes receiving at a first system in the multi-system landscape an end-of-purpose check result for a personal data record associated with a particular business partner, identifying other systems of the multi-system landscape that perform operations for the particular business partner if the end-of-purpose check result indicates a start-of-retention-time, transmitting requests to each of the identified systems to synchronously perform an end-of-purpose check of local personal data records associated with the particular business partner, and receiving end-of-purpose check results from each of the identified systems. The method further can include initiating a global blocking process for the particular business partner. A system for implementing the method and a non-transitory computer readable medium are also disclosed.

No. of Pages : 26 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/02/2013

(21) Application No.739/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : RING SPINNING MACHINE

(51) International classification :D01H1/00
(31) Priority Document No :2012-036486
(32) Priority Date :22/02/2012
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
**1)HAYASHI, HISAAKI**
**2)YOSHIDA, KAZUNORI**
**3)SUZUKI, FUJIO**

(57) Abstract :
A ring spinning machine includes a base frame, a spindle 12 including an axis, a ring rail 14 that can be lifted and lowered along the axis of the spindle 12, a ring 16 supported by the ring rail 14 and lifted and lowered with the ring rail 14, a support 17 coupling the ring 16 to the ring rail 14, a traveler 15 that can slide on the ring to wind a yarn around a bobbin to form a cop 21, and a cover 22 that is supported by the base frame and surrounds the cop 21. The cover 22 includes a slit 24 that allows movement of the support and the ring 16. The cover 22 further includes a deflecting portion 25 deflects an airflow inward when the airflow passes a position corresponding to the slit 24.

No. of Pages : 26 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/10/2013

(21) Application No.4487/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD AND SYSTEM FOR INSERTING AN ADVERTISEMENT IN A MEDIA STREAM

(51) International classification :G06Q30/00
(31) Priority Document No :13/657,273
(32) Priority Date :22/10/2012
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)Charles MCCOY**
**2)True XIONG**
**3)Ling Jun WONG**

(57) Abstract :
Certain aspects of a system and method for inserting an advertisement in a media stream may include a content access server. The content access server may receive the media stream from one or more content providers. The media stream may comprise one or more pre-determined positions for inserting the advertisement. The content access server may insert the advertisement in the media stream at one of the one or more pre-determined positions. The advertisement is selected from one or more advertisements in real-time based on a first metadata associated with the media stream, a location of the one or more pre-determined positions in the media stream, and one or more parameters associated with a user.

No. of Pages : 41 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2013

(21) Application No.4671/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SYSTEM AND METHOD FOR VIRTUAL SOCIAL COLOCATION

(51) International classification :H04H20/00
(31) Priority Document No :1425/CHE/2013
(32) Priority Date :28/03/2013
(33) Name of priority country :India
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)ITTIAM SYSTEMS PTE. LTD.**
Address of Applicant :333, North Bridge Road, No. 08-00 KH KEA Building, SINGAPORE 188721
(72)**Name of Inventor :**
**1)SATTAM DASGUPTA**
**2)ANIL KUMAR AGARA VENKATESHA RAO**

(57) Abstract :
A system and method for virtual social colocation with dynamic participation and audience among users with defined relationships are disclosed. In one embodiment, bridging of digital content and audio and/or video streams originating from one of first end points and incoming audio and/or video streams from remaining first end points is enabled on the one of the first end points. Further, first integrated audio and/or video streams and a second integrated audio and/or video stream are created based on the digital content and the audio and/or video streams originating from the one of the first end points and the incoming audio and/or video streams and sent to the remaining first end points and a virtual social colocation service (VSCS), respectively, by the one of the first end points. Also, the second integrated audio and/or video stream is broadcasted to the second end points by the VSCS.

No. of Pages : 50 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/02/2013

(21) Application No.622/CHE/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DEVICE AND METHOD RECEIVING AND DISPLAYING AN ELECTRONIC PROGRAM GUIDE

| | |
|---|---|
| (51) International classification | :H04N21/00 |
| (31) Priority Document No | :NA |
| (32) Priority Date | :NA |
| (33) Name of priority country | :NA |
| (86) International Application No | :NA |
| Filing Date | :NA |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number | :NA |
| Filing Date | :NA |
| (62) Divisional to Application Number | :NA |
| Filing Date | :NA |

(71)**Name of Applicant :**
**1)TP VISION HOLDING B.V.**
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(72)**Name of Inventor :**
**1)HEMAKUMAR KASSALA**
**2)PERRY MEVISSEN**

(57) Abstract :
The invention provides a method and device (10) receiving and displaying an electronic program guide, EPG, the device comprising - a receiver (11) for receiving a an Event Information Table, EIT, of the EPG; - a controller (12) for interpreting the EIT, wherein the controller is adapted to interpret (32) an application priority flag in the EIT, and depending on the value of the application priority flag, either - retrieve (33a) from the EIT an application identifier, for identifying an application that handles rendering of content associated with the EIT, or - retrieve (33b) from the EIT a digital reference for identifying a network location where content associated with the EIT is available; and wherein the device is adapted to render (37) the content associated with the EIT on the request of the user..

No. of Pages : 18 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/07/2014

(21) Application No.1422/KOLNP/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : USE OF PREDEHYDRATION TOWERS IN AN ETHANE OXIDATION TO ACETIC ACID/ETHYLENE PROCESS

(51) International classification :C07C51/00
(31) Priority Document No :60/765,988
(32) Priority Date :07/02/2006
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2007/002636
Filing Date :30/01/2007
(87) International Publication No :WO/2007/092225
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number : NA
Filed on :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)MCSWAIN, C.,V**
**2)SEAMAN, GEORGE, C.**

(57) Abstract :
This invention relates to a process for the production of acetic acid, comprising: oxidizing ethane in an ethane oxidation reactor to form a gaseous product stream comprising water, acetic acid, and ethane, and feeding the gaseous product stream directly to a tower to separately recover a bottoms stream comprising at least 90 percent acetic acid, a water stream comprising less than 1 percent acetic acid, and a gas stream comprising ethylene and unreacted ethane, wherein the gaseous product stream is fed to the tower at an elevated temperature such that due to the high temperature of the stream, the stream provides energy necessary to effectuate the separation of acetic acid from water in the tower.

No. of Pages : 14 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/05/2011

(21) Application No.2237/KOLNP/2011 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR ROBUST CROSSTALK PRECODER TRAINING IN CHANNELS WITH IMPULSE NOISE

| | |
|---|---|
| (51) International classification | :H04B 3/46C |
| (31) Priority Document No | :61/224,738 |
| (32) Priority Date | :10/07/2009 |
| (33) Name of priority country | :U.S.A. |
| (86) International Application No<br>Filing Date | :METHOD FOR ROBUST CR<br>:09/07/2010 |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

(71)**Name of Applicant :**
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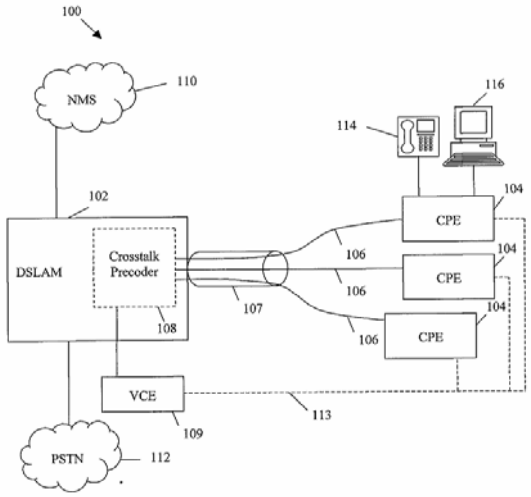
(72)**Name of Inventor :**
**1)RAPHAEL Jean Cendrillon;**
**2)FANG Liming;**
**3)LONG Guozhu;**

(57) Abstract :
An apparatus comprising a first transceiver at a central office (CO) coupled to a second transceiver at a customer premise equipment (CPE) via a digital subscriber line (DSL), a crosstalk precoder coupled to the first transceiver at the CO, and a vectoring control entity (VCE) coupled to the transceiver via a feedback channel and to the crosstalk precoder, wherein the second transceiver comprises a noise monitor configured to detect non-crosstalk noise in a downstream signal from the CO to the CPE, and wherein the first transceiver is configured to receive a predefined special feedback signal from the second transceiver that indicates whether non-crosstalk noise is detected in the downstream signal instead of a measured error value.




No. of Pages : 30 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/04/2013

(21) Application No.430/KOL/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : AN IMPROVED LOW COST PORTABLE DUMMY SOW ASSEMBLY UNIT WITH MATTING GRUNT VOICE SYSTEM

| | | |
|---|---|---|
| (51) International classification | :A01K 1/00 | (71)**Name of Applicant :** **1)INDIAN COUNCIL OF AGRICULTURAL RESEARCH (RC FOR NEH REGION)** Address of Applicant :ICAR RESEARCH COMPLEX FOR NEH REGION, UMROI ROAD, UMIAM, BARAPANI-793 103, MEGHALAYA INDIA |
| (31) Priority Document No | :NA | |
| (32) Priority Date | :NA | |
| (33) Name of priority country | :NA | |
| (86) International Application No | :NA | |
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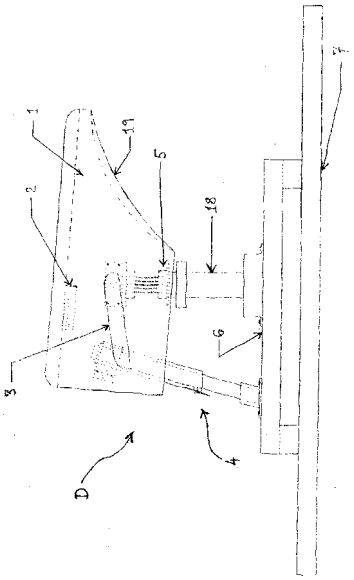
| (87) International Publication No | : NA | |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :
The invention relates to an improved low cost portable dummy sow assembly unit (D) having mating grunt voice system and comprises of a cylindrical shaped hollow wooden body of dummy sow (1) having two wooden foot rest (3) on both sides of the dummy sow (1) for comfortable rest of the fore feet of boar. The base (6) of the dummy sow (1) is made of wooden and is made heavier to provide stability and the base (6) is placed on a non-slippery mat (7). The dummy sow assembly unit has two height adjustment mechanism (4, 5), one at the front and the other at the rear and fitted inside the hollow portion of the main wooden body of dummy sow (1). The assembly unit (D) is fitted with a female pig grunt voice system (2) to make the dummy sow more alive for better output. The dummy sow assembly unit can be used as a either fixed or portable model by detaching the dummy sow body (1) and heavy weight base (6).




No. of Pages : 28 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/04/2014

(21) Application No.469/KOL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : IMPROVED STRUCTURE FOR BALANCE-SHAFT GEAR ASSEMBLY

| | |
|---|---|
| (51) International classification | :F16F 15/00 |
| (31) Priority Document No | :102207080 |
| (32) Priority Date | :18/04/2013 |
| (33) Name of priority country | :Taiwan |
| (86) International Application No | :NA |
| Filing Date | :NA |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number | :NA |
| Filing Date | :NA |
| (62) Divisional to Application Number | :NA |
| Filing Date | :NA |

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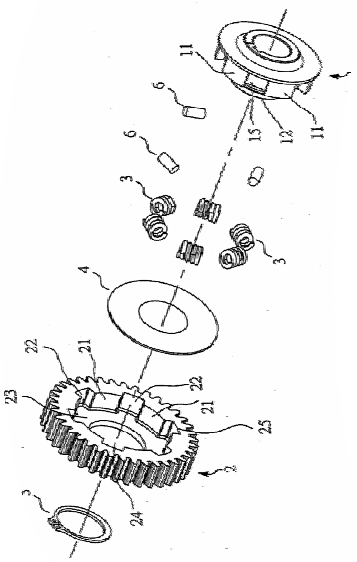
(72)**Name of Inventor :**
**1)YU CHIH-WEN**
**2)WU CHUN-HSIEN**

(57) Abstract :
An improved structure of balance-shaft gear assembly includes an inner balance-shaft transmission flange, an outer balance-shaft transmission gear, a plurality of resilient elements, at least one stopper pin, a disk spring, and a snap ring. The inner balance-shaft transmission flange includes a plurality of protrusions and an axial flange. The outer balance- shaft transmission gear is provided with a plurality of protrusions, and that the inner balance-shaft transmission flange is sleeved in the outer balance- shaft transmission gear, where a receiving chamber is formed between two neighboring protrusions of the outer balance-shaft transmission gear. The disk spring biases against the inner balance-shaft transmission flange and the outer balance-shaft transmission gear. The snap ring refrains the outer balance-shaft transmission gear from sliding axially. The improved structure for balance-shaft gear assembly is characterized by providing, axially, beside the receiving chambers, an outer board made integrally with the outer balance-shaft transmission gear, where the outer board is provided with a through hole for receiving the axial flange, and the disk spring is interposed, axially, between the plural protrusions of the inner balance-shaft transmission flange and the outer balance-shaft transmission gear.




No. of Pages : 20 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/11/2013

(21) Application No.3271/KOLNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : NEW COMPLEXES OF RUTHENIUM METHOD FOR THEIR PREPARATION AND THEIR APPLICATION IN OLEFIN METATHESIS REACTIONS

(51) International classification :B01J31/22
(31) Priority Document No :P.395131
(32) Priority Date :06/06/2011
(33) Name of priority country :Poland
(86) International Application No :PCT/EP2012/060498
Filing Date :04/06/2012
(87) International Publication No :WO 2012/168183
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)BARBASIEWICZ Michal**
**3)MICHALAK Michal**

(57) Abstract :
The present invention provides new ruthenium complexes of Formula (1) which contain a chelate ring created by a halogen atom X. The invention concerns also a method for the preparation of the new ruthenium complexes and their application in metathesis reactions.

No. of Pages : 53 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/11/2013

(21) Application No.3273/KOLNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : SCREEN MODULE PROCESSING APPARATUS AND PROCESSING PLANT FOR MINERAL MATERIAL

(51) International classification :B07B1/49,B07B1/46
(31) Priority Document No :20115510
(32) Priority Date :24/05/2011
(33) Name of priority country :Finland
(86) International Application No :PCT/FI2012/050498
Filing Date :24/05/2012
(87) International Publication No :WO 2012/160259
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)KINNUNEN Petri**

(57) Abstract :
A screen module (10) for mineral material comprises support structures such as cross beams (4) or longitudinal beams (501 505) for fixing the screen module to a body (5) of a mineral material processing apparatus (100) and for fixing an upper screening means (11) above the support structures and lower longitudinal supports (15) which are fixed below the support structures (4 501 505) for supporting a lower screening means (12) below the lower longitudinal supports. A processing apparatus (100) and a processing plant (400).

No. of Pages : 24 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/11/2013

(21) Application No.3274/KOLNP/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR THE PRODUCTION OF LIGNIN CONTAINING PRECURSOR FIBRES AND ALSO CARBON FIBRES

(51) International classification :D01D5/06,D01F2/00,D01F9/17
(31) Priority Document No :11004131.6
(32) Priority Date :18/05/2011
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2012/059112
Filing Date :16/05/2012
(87) International Publication No :WO 2012/156441
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)EBELING Horst**
**3)FINK Hans Peter**

(57) Abstract :
The invention relates to a method for the production of a precursor for the production of carbon and activated carbon fibres according to the wet or air gap spinning method in which a solution of lignin and a fibre forming polymer in a suitable solvent is extruded through the holes of a spinning nozzle into a coagulation bath the formed thread is stretched and subsequently treated dried at an elevated temperature and then wound up. The lignin containing thread is an economical starting material for the production of carbon and activated carbon fibres.

No. of Pages : 20 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/04/2013

(21) Application No.432/KOL/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A SOLAR TRACKING DEVICE WITH LOW HEIGHT CONFIGURATION

| | |
|---|---|
| (51) International classification | :F24J 2/00 |
| (31) Priority Document No | :NA |
| (32) Priority Date | :NA |
| (33) Name of priority country | :NA |
| (86) International Application No | :NA |
| Filing Date | :NA |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number | :NA |
| Filing Date | :NA |
| (62) Divisional to Application Number | :NA |
| Filing Date | :NA |

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(72)**Name of Inventor :**
**1)SAHIL ALI**
**2)SUDEV NAIR,**
**3)GANAPATHI SUBBU SETHUVENKATRAMAN,**
**4)SANJAY VIJAYARAGHAVAN**

(57) Abstract :
A solar tracking device for positioning on a substructure a solar panel assembly having at least one segment is provided. The device includes a base assembly to secure the device to the substructure, a tilt assembly and a tip assembly. The tilt assembly includes a tilt drive mounted on the base assembly and a tilt platform mounted on the tilt drive which is mechanically coupled to the tilt platform to rotate the tilt platform about a first axis. The tip assembly includes a tip drive mounted on the tilt platform and a tip frame mounted on the tip drive and adapted to support the solar panel assembly segment. The tip drive is mechanically coupled to the tip frame to rotate the tip frame about a second axis. The first axis is substantially parallel to the substructure. The second axis orientation with respect to the tilt platform is fixed.

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/04/2014

(21) Application No.470/KOL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : FUEL PUMP ACTUATION DETECTION SYSTEM AND METHOD USING THE SAME

(51) International classification :B62J 6/00
(31) Priority Document No :102113780
(32) Priority Date :18/04/2013
(33) Name of priority country :Taiwan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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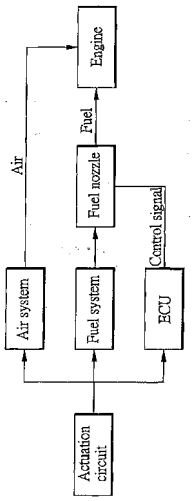
(72)**Name of Inventor :**
**1)SHIH TING WEI**

(57) Abstract :
A fuel pump actuation detection system includes a fuel tank, a fuel pump, at least one fuel nozzle, and an arithmetic processor. Also disclosed is a method using the fuel pump actuation detection system for detecting whether or not the fuel pump is actuated, the method includes the following steps: A) Turning on a power source of motorcycle fuel-injection engine assembly; B) Using the arithmetic processor to detect a voltage change rate of the fuel pump; and C) Using the arithmetic processor, in accordance with the voltage change rate, to determine whether or not the fuel pump is equal to or over -5 V/ms (volts/micro second), if Yes, it is determined that the fuel pump is stuck. Thereby, correct information regarding whether or not the fuel pump is normally actuated can be conveyed to a motorcycle rider.




No. of Pages : 19 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/10/2011

(21) Application No.1315/KOL/2011 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A PROCESS FOR ALGAL MEDIATED TRANSFORMATION OF SUGARS TO BIODIESEL

| | |
|---|---|
| (51) International classification | :C12N 1/12 |
| (31) Priority Document No | :NA |
| (32) Priority Date | :NA |
| (33) Name of priority country | :NA |
| (86) International Application No | :NA |
| Filing Date | :NA |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number | :NA |
| Filing Date | :NA |
| (62) Divisional to Application Number | :NA |
| Filing Date | :NA |

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)MAHENDRA PRATAP SINGH**
**2)MANOJ KUMAR**
**3)DHEER SINGH**
**4)DEEPAK KUMAR TULI**
**5)RAVINDER KUMAR MALHOTRA**

(57) Abstract :
The present invention provides a cost effective biotechnological process for production of bio-fuels from isolated and characterized microalgae. The algal strains used in the present invention having higher biomass, higher lipid productivity, higher pH and temperature tolerance are selected from the group consisting of Chlorella vulgaris iOC-1, Chlorella vulgaris iOC-2, Chlorella kessleri, Botrococcus bruni, Dunaliella salina and Nannochloris oculat or a combination thereof having 95-100% similarity with 18s ribosomal nucleic acids nucleotide sequences (rDNA) given for Seq. ID 1, Seq. ID 2, Seq. ID 3, Seq. ID 4, Seq. ID 5 and Seq. ID 6. The present process of bio-fuel production comprises the steps of producing lipid from green algae in bioreactors by various novel steps and extracting oil from dried algal cells and ultimately producing biodiesel by transesterification of the said extracted oil.

No. of Pages : 25 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/10/2011

(21) Application No.1316/KOL/2011 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A PROCESS FOR ENHANCING NICKEL TOLERANCE OF HEAVY HYDROCARBON CRACKING CATALYSTS

| | |
|---|---|
| (51) International classification | :B01J 29/00 |
| (31) Priority Document No | :NA |
| (32) Priority Date | :NA |
| (33) Name of priority country | :NA |
| (86) International Application No | :NA |
| Filing Date | :NA |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number | :NA |
| Filing Date | :NA |
| (62) Divisional to Application Number | :NA |
| Filing Date | :NA |

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(72)**Name of Inventor :**
**1)A V KARTHIKEYANI**
**2)B SARKAR**
**3)V CHIDAMBARAM**
**4)B SWAMY**
**5)P K KASLIWAL**
**6)G S MISHRA**
**7)K M PRABHU**

(57) Abstract :
The invention discloses a process for upgrading feed streams containing residual fractions with high concentrations of metals, more specifically nickel content up to 150 ppm employing acidic catalysts comprising large pore rare earth faujasite zeolite component, pentasil zeolite component and pseudoboehemite containing resid cracking component while the composite is impregnated with lanthanum oxide or aluminium oxide or mixture of both. The hydrocarbon feed stock can be sourced from either petroleum derivatives or from coal, tar or sand. The process results in increased selectivity of propylene in LPG in the range of 39-52 %.

No. of Pages : 19 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/10/2011

(21) Application No.1317/KOL/2011 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A PROCESS FOR METAL REDUCTION OF HYDROCARBON OIL

(51) International classification :C10G2/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)MADHUSUDAN SAU**
**2)GANESH V. BUTLEY**
**3)YAMINI GUPTA**
**4)KARUMANCHI RAMESH**
**5)MAINAK SARKAR**
**6)A. ARUN**
**7)SAEED AHMED**
**8)BRIJESH KUMAR**
**9)RAVINDRA KUMAR MALHOTRA**

(57) Abstract :
A novel process for metal content reduction of hydrocarbon oil is disclosed, which is primarily aimed at reduction of vanadium and nickel. The process uses electricity to accelerate the demetallation process, but only the flow of electrons of the electric current is used to expedite the reaction, instead of the electrolysis effect of the electric current. The process is carried out by adding inter-phase surface active reagent and phase transfer catalyst at a relatively low temperature range of 80 to 200,°C and achieves metal content reduction for vanadium and nickel. Aqueous phase alcoholic derivatives of amine solution is treated with hydrogen sulfide, carbon dioxide, etc. by additive reaction to render it more suitable for carrying more electric current and make them more active for metal reduction.

No. of Pages : 16 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/10/2012

(21) Application No.1159/KOL/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A SOLID FUEL AND A METHOD OF PREPARATION OF THE SAME

| | |
|---|---|
| (51) International classification | :H01M8/10, H01M8/02 |
| (31) Priority Document No | :NA |
| (32) Priority Date | :NA |
| (33) Name of priority country | :NA |
| (86) International Application No | :NA |
| Filing Date | :NA |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number | :NA |
| Filing Date | :NA |
| (62) Divisional to Application Number | :NA |
| Filing Date | :NA |

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(72)**Name of Inventor :**
**1)SRI MRINMOY KUMAR SARMAH**

(57) Abstract :
This invention relates to a new solid fuel and the process for its preparation. Firstly, the required materials are collected- Nahar seed (Mesua ferrea), Bhagnala bark (Litsea glutinosa) and Paraffin wax. The Nahar seeds and the Bhagnala bark are sun dried for 7 days and then the seed coat is removed and the seeds and barks are crushed to powder it with the help of mortar and pestle. The Nahar seed powder is mixed with 5% Bhagnala bark powder and 3%-5% paraffin wax. The resultant obtained is the solid fuel similar in appearance to paraffin wax. The advantages of this solid fuel are that it bums for a longer period of time; has higher calorific value and carbon emission of this fuel is l/3rd of the paraffin wax. This fuel can be used in the form of a candle and also it can be used for lighting earthen lamps.

No. of Pages : 7 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/08/2011

(21) Application No.3564/KOLNP/2011 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : BATTERY HAVING A HOUSING PARTIALLY FILLED WITH COOLING FLUID

(51) International classification :H01M 2/10
(31) Priority Document No :10 2009 006 426.5
(32) Priority Date :28/01/2009
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2010/000523
Filing Date :28/01/2010
(87) International Publication No :WO/2010/086167
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)HOHENTHANNER, Claus-Rupert**
**2)SCHAEFER Tim**
**3)GUTSCH Andreas**
**4)KAISER Joerg**
**5)MIKUS Holger**

(57) Abstract :
Battery (1) comprising: at least one battery cell (2), which is arranged in a battery housing (3), wherein the battery housing (3) is partially filled with a cooling liquid (4). and the battery cell (5) is enclosed by a cooling liquid (4) to a maximum of 50%.

No. of Pages : 20 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/11/2009

(21) Application No.4146/KOLNP/2009 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : AUTOMATIC PISTOLS

| | |
|---|---|
| (51) International classification | :F41A 5/20,F41C 3/00 |
| (31) Priority Document No | :2007119128 |
| (32) Priority Date | :11/05/2007 |
| (33) Name of priority country | :Russia |
| (86) International Application No<br>Filing Date | :PCT/RU2008/00262<br>:24/04/2008 |
| (87) International Publication No | :WO 2008/140352 |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

(71)**Name of Applicant :**
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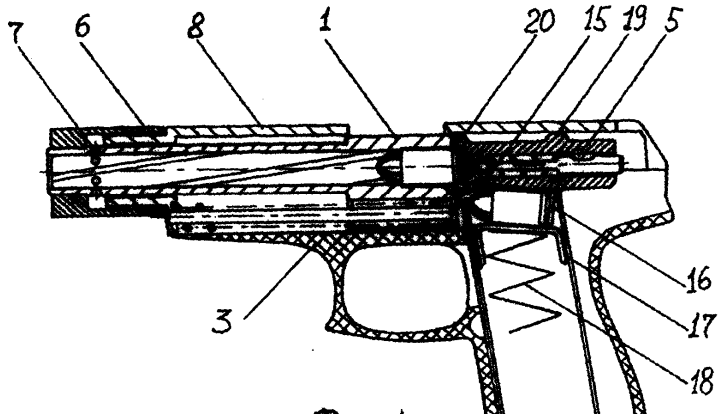
(72)**Name of Inventor :**
**1)KAMINSKY, VICTOR ANATOLEVICH**

(57) Abstract :
An automatic pistol essentially consists of an immovable barrel, a breech with a firing pin and a cartridge extractor, a breech frame, a spring-loaded device for the removal of gas with a gas piston and a gas cylinder, a firing mechanism and a magazine. The barrel is fitted with an end piece, which is located in the lower part of the rear end of the barrel. The design of the breech allows for the displacement of its front part downwards, when the breech is in its front end position. The front part of the breech is fitted with side locking lugs. The corresponding locking grooves are located in the cavities on the end piece of the barrel. The gas piston has an opening for ejecting the cartridge casing. In the course of the backward movement, the gas piston unlocks the breech and draws it back. In the forward movement, the breech is carried forward and pushed downwards. The gas cylinder is located at the front part of the barrel and encompasses the barrel. Along the length of the barrel gas ducts are fixed.




No. of Pages : 17 No. of Claims : 1

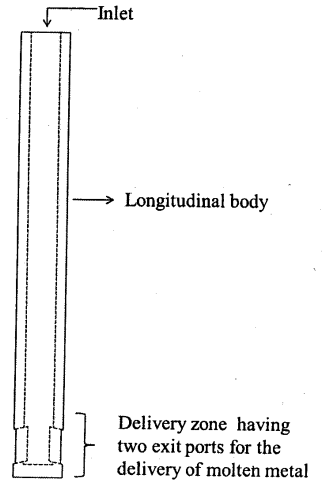
(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/04/2013

(21) Application No.433/KOL/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : 'AN IMPROVED SUBMERGED ENTRY NOZZLE ASSEMBLY FOR DELIVERING MOLTEN STEEL BETWEEN A TUNDISH AND A MOLD IN A CONTINUOUS CASTING PROCESS

| | | |
|---|---|---|
| (51) International classification | :B22D 11/00 | (71)**Name of Applicant :** **1)TATA STEEL LIMITED** Address of Applicant :JAMSHEDPUR-831001, Jharkhand India |
| (31) Priority Document No | :NA | |
| (32) Priority Date | :NA | |
| (33) Name of priority country | :NA | (72)**Name of Inventor :** |
| (86) International Application No | :NA | **1)RAVI GOLANI** |
| Filing Date | :NA | **2)VIKAS SINGH** |
| (87) International Publication No | : NA | **3)S. K. AJMANI** |
| (61) Patent of Addition to Application Number | :NA | **4)RAVI RANJAN** |
| Filing Date | :NA | **5)T. K .ROY** |
| (62) Divisional to Application Number | :NA | **6)ANUP TRIVEDI** |
| Filing Date | :NA | |

(57) Abstract :
Slag entrapment in the mold is one of the major causes of macro nonmetallic inclusions in steel which arises from the disturbances at the melt free surface (meniscus) in the mold. Again appropriate surface flow velocity in mold is required during the casting process because the mold level should keep stable and the covering slag cover well. There are continuous demands for the improvement of the submerged entry nozzle structure to achieve a more desirable flow pattern in the mold. The novel submerged entry nozzle design of the present invention is adapted to reduce turbulence and mold disturbances, thereby producing a more stable, uniform outflow, which will play vital role in reducing the nonmetallic content and inclusions in the casting.




No. of Pages : 20 No. of Claims : 4

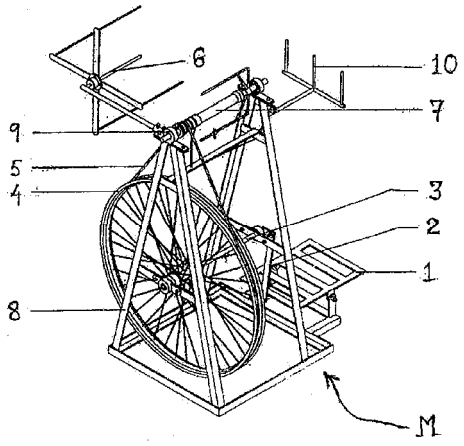
(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/04/2013

(21) Application No.451/KOL/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : AN IMPROVED FOOT OPERATED JUTE ROPE MAKING MACHINE

| | | |
|---|---|---|
| (51) International classification | :D07B 1/00 | (71)**Name of Applicant :** **1)INDIAN INSTITUTE OF TECHNOLOGY** Address of Applicant :KHARAGPUR-721302, West Bengal India |
| (31) Priority Document No | :NA | |
| (32) Priority Date | :NA | |
| (33) Name of priority country | :NA | (72)**Name of Inventor :** **1)PROF. P.B.S. BHADORIA** **2)DR. E.V. THOMAS** |
| (86) International Application No | :NA | |
| Filing Date | :NA | |
| (87) International Publication No | : NA | |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :
The invention relates an improved foot operated jute rope making machine (M). The machine (M) comprising a frame (8) for giving support and balance to the machine, a pedal for starting the machine (M), a pedal rod (2) connecting the pedal (1) to a wheel shaft (3), wheel shaft (3) connected to a wheel (4). Motion of the pedal (1) is transmitted to rotate of the wheel (4). The bobbin shaft is connected to the wheel and rotates when the wheel rotates, wherein a latai creates wrapping of the rope around the bobbin (7) when the twisting of rope takes place on the bobbin (7) simultaneously.




No. of Pages : 8 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/02/2012

(21) Application No.182/KOL/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ROTOR SLOT ASYMMETRY IN AN ELECTRIC MOTOR

(51) International classification :FO1D5/30
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**3)EDWARD L. KAISER**
**4)XINYU ZHOU**
**5)QIANG NIU**
**6)XU HAN**

(57) Abstract :
An electric motor includes a stator configured to receive electrical energy and generate an electromagnetic field in accordance with the electrical energy received. A rotor is in electromagnetic communication with the stator and is configured to rotate in accordance with the electromagnetic field generated by the stator. The rotor includes a plurality of poles including a first set of poles and a second set of poles. The first set of poles defines a first slot and the second set of poles defines a second slot that has a different configuration than the first slot to reduce a torque ripple effect. The electric motor may be used in a system having a power source configured to output direct current energy and an inverter configured to convert direct current energy to alternating current energy.

No. of Pages : 14 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/01/2010

(21) Application No.150/KOLNP/2010 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR THE CATALYTIC CONVERSION OF 2-HYDROXY-4-METHYLTHIOBUTANENITRILE (HMTBN) INTO 2-HYDROXY-4-METHYLTHIOBUTANAMIDE (HMTBM)

(51) International classification :C07C 319/20
(31) Priority Document No :07/05592
(32) Priority Date :31/07/2007
(33) Name of priority country :France
(86) International Application No :PCT/FR2008/051432
Filing Date :30/07/2008
(87) International Publication No :WO 2009/024712
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)KIEFER JEAN-CLAUDE**
**3)ROSSI JEAN-CHRISTOPHE**

(57) Abstract :
This process is carried out in the presence of a solid catalyst comprising an active phase. The catalyst is formulated and the conversion is carried out in a medium essentially free of strong mineral acid.

No. of Pages : 23 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/04/2014

(21) Application No.475/KOL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : AIR INTAKE REGULATION STRUCTURE

(51) International classification :F02D 9/00
(31) Priority Document No :102114147
(32) Priority Date :22/04/2013
(33) Name of priority country :Taiwan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)WANG SU-HSING**
**3)LIN KUAN-HSU**
**4)HUANG CHIH-WEI**
**5)CHOU PO-YU**

(57) Abstract :
An air intake regulation structure, adapted for an air intake system, includes an intake manifold, an electronic fuel nozzle engaging port, a cylinder-head intake passage, and a control valve element. The air intake regulation structure can make the condition of air intake of a motorcycle reacts and varies along with engine rotation speed. Besides, since the control valve element is arranged after a throttle, airflow coming from the throttle will be speedy at where the control valve element is, and this will facilitate a more uniform air-fuel mixing, particularly when in a multi-valve engine such as four-valve engine, a vortex effect can be easily occurred so as to reduce fuel consumption.

No. of Pages : 20 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/09/2013

(21) Application No.1093/KOL/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MOTORCYCLE

(51) International classification :B60R 1/00
(31) Priority Document No :2013-087391
(32) Priority Date :18/04/2013
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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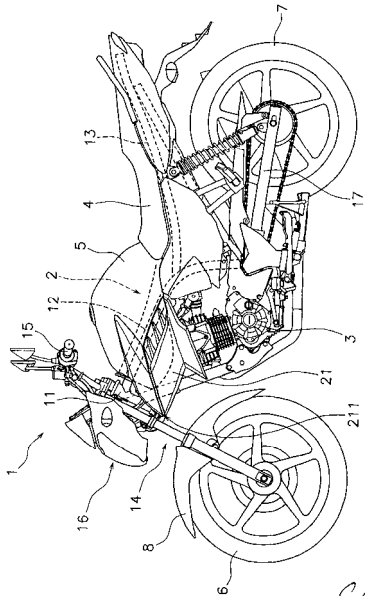
(72)**Name of Inventor :**
**1)TAKAMASA TOKITOU**

(57) Abstract :
A shroud is attached to a fuel tank, while being disposed laterally outwards of the fuel tank. The shroud includes a front end portion positioned forwards of the fuel tank. The shroud is disposed separately from a head light unit. The shroud includes an inner lateral member and an outer lateral member. The outer lateral member is provided separately from the inner lateral member. The outer lateral member is disposed laterally outwards of the inner lateral member. The inner lateral member and the outer lateral member produce an airflow path therebetween. The inner lateral member includes an inner lateral member rear portion. The inner lateral member rear portion is positioned rearwards of a rear edge of the outer lateral member in a vehicle side view.




No. of Pages : 32 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/02/2014

(21) Application No.174/KOL/2014 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MANIPULATOR FOR GRASPING TISSUE

(51) International classification :A61B 17/00
(31) Priority Document No :PCT/IB2013/001246
(32) Priority Date :17/04/2013
(33) Name of priority country :IB
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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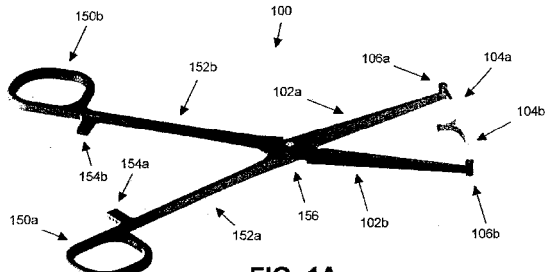
(72)**Name of Inventor :**
**1)BANFALVI, PETER FERENC**

(57) Abstract :
In specific embodiments, a manipulator adapted to grasp and draw tissue comprises a first arm and second arm having proximal ends and distal ends separated by a distance. A first grasping surface and second grasping surface each connected to and extending from respective distal ends of the first and second arm are biased toward each other by a respective spring force. When the first arm and second arm are actuated to reduce the distance, tissue arranged between the first grasping surface and the second grasping surface resists the actuation. The first arm and second arm are then further actuatable to overcome the spring force of the first grasping surface and the second grasping surface so that the first grasping surface and the second grasping surface pivot at respective pivot points such that the distance between the distal ends of the first and second arms is reduced.




No. of Pages : 55 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/06/2011

(21) Application No.2747/KOLNP/2011 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : WARE WASHING SYSTEM CONTAINING CATIONIC STARCH

(51) International classification :C11D 1/66
(31) Priority Document No :61/119,277
(32) Priority Date :02/12/2008
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2009/066164
Filing Date :01/12/2009
(87) International Publication No :WO/2010/065483
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**1)NEPLENBROEK Antonius Maria**
**2)BEAU Julie Jessica**
**3)RAPHANEL Florian Romain Marie**

(57) Abstract :
The present invention discloses a method of washing ware, in particular in an automatic domestic or institutional ware washing machine, using a detergent composition containing a cationic starch. This eliminates the need for a surfactant in the rinse step. The cationic starch provides a layer of cationic starch on the ware so as to afford a sheeting action in an aqueous rinse step without any added rinse agent.

No. of Pages : 37 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/06/2011

(21) Application No.2748/KOLNP/2011 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CLEANING OF A COOKING DEVICE OR APPLIANCE WITH A COMPOSITION COMPRISING A BUILT-IN RINSE AID

(51) International classification :C11D 3/22
(31) Priority Document No :61/119,287
(32) Priority Date :02/12/2008
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2009/066161
Filing Date :01/12/2009
(87) International Publication No :WO/2010/065481
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)NEPLENBROEK Antonius Maria**
**2)VEENING Jan Eduard**
**3)UHLHORN Robert Jan**
**4)LUCAS Elodie Chantal**

(57) Abstract :
The present invention discloses a method for cleaning a cooking device or appliance comprising contacting at least the cooking chamber of the cooking device or appliance with a cleaning composition comprising a sheeting polymer that provides a layer on the surfaces of at least the cooking chamber so as to afford a sheeting action in an aqueous rinse step. The sheeting polymer is selected from the group of cationic polysaccharides and maleic acid-olefin copolymers.

No. of Pages : 26 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/04/2013

(21) Application No.427/KOL/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ROLLING BUNDLING MECHANISM FOR AUTOMATIC OPENING AND CLOSING

| | |
|---|---|
| (51) International classification | :B65D 85/00 |
| (31) Priority Document No | :NA |
| (32) Priority Date | :NA |
| (33) Name of priority country | :NA |
| (86) International Application No | :NA |
| Filing Date | :NA |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number | :NA |
| Filing Date | :NA |
| (62) Divisional to Application Number | :NA |
| Filing Date | :NA |

(71)**Name of Applicant :**
**1)ITC LIMITED**
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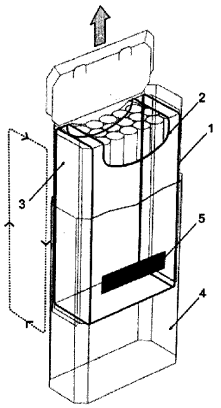
(72)**Name of Inventor :**
**1)KASTHA, ANINDYA**
**2)HALDER, PROSUN**
**3)KUMAR, ASHWANI**

(57) Abstract :
The present invention relates generally to a packaging assembly. More particularly the present invention relates to a packet for holding similar and/or dissimilar objects wherein said packet facilitates dispensing of objects when desired and reclosing to secure the said objects. It can be used in applications like a cigarette packet and like containers. This invention provides an advantageous feature of doubly securing the objects in the container.




No. of Pages : 20 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/12/2009

(21) Application No.1410/KOL/2009 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : AN IMPROVED LIGATION DEVICE ADAPTABLE FOR SURGICAL INTERVENTION

| | |
|---|---|
| (51) International classification | :A61B 17/128 |
| (31) Priority Document No | :NA |
| (32) Priority Date | :NA |
| (33) Name of priority country | :NA |
| (86) International Application No | :NA |
| Filing Date | :NA |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number | :NA |
| Filing Date | :NA |
| (62) Divisional to Application Number | :NA |
| Filing Date | :NA |

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**4)YUFU LI**

(57) Abstract :
The invention relates to an improved ligation device adaptable for surgical intervention comprising a shaped body with an outer casing (16), the body comprises a handle portion, and a body portion, the body portion is configured to be substantially parallel and connected to the handle portion at an angle of 45,° to the horizontal axis; a rotatable wheel (4) attached to a crank shaft (5) disposed inside the body portion/ the wheel (4) is integrally connected to a trigger (1) interposed adjacent the handle portion, the trigger (1) being manually operable under the tension force of a spring (3); a pair of jaws (12) frontally disposed on the body portion, and having a pair of crest (7) at the proximal end which is further connected to the wheel (4) at the distal end; a sleeve (6) connected to the crest (7) and movable along the crest (7) on application of a pulling force on the trigger (1), a heater switch (2) provided on the handle portion which on further application of force on the trigger (10) gets activated causing at least one heater (13) commencing the heating functions; and a pair of self-expanding grippes (10) comprising a pusher element (14) and a wedge element (15), and enabled to move along the jaw (12) by the action of at least one leaf spring (11) corresponding to the force applied on the trigger (1), the grippers (10)) being further enabled to accommodate at least two precut materials (9) which on thermal application by the heaters (13) form a figator, the ligator through application of further pressure on the trigger getting fused around the vessel/duct.

No. of Pages : 23 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/05/2011

(21) Application No.2235/KOLNP/2011 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : NOVEL 4-(AZACYCLOALKYL)BENZENE-1,3-DIOL COMPOUNDS AS TYROSINASE INHIBITORS, PROCESS FOR THE PREPARATION THEREOF AND USE THEREOF IN HUMAN MEDICINE AND ALSO IN COSMETICS

(51) International classification :C07D301/04
(31) Priority Document No :61/193,460
(32) Priority Date :02/12/2008
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2009/066268
Filing Date :02/12/2009
(87) International Publication No : WO/2010/063774
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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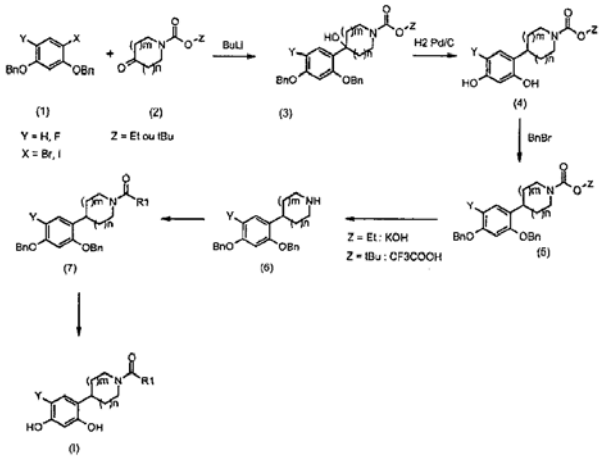
(72)**Name of Inventor :**
**1)BOITEAU Jean-Guy**
**2)BOUQUET Karine**
**3)TALANO Sandrine**
**4)MILLOIS BARBUIS Corinne**

(57) Abstract :
The present invention relates to novel 4- (azacycloalkyl) benzene-1, 3-diol compounds corresponding to general formula (I) below: Formula (I) to the compositions containing same, to the process for the preparation thereof and to the use thereof in pharmaceutical or cosmetic compositions for use in the treatment or prevention of pigmentary disorders.




No. of Pages : 72 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/05/2011

(21) Application No.2236/KOLNP/2011 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HEATER CONTROL IN A RADIO NETWORK NODE

(51) International classification :H05K 7/20
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/SE2008/051251
Filing Date :03/11/2008
(87) International Publication No :WO/2010/050865
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)HEDBERG Klas**
**2)JONSSON Fredrik**

(57) Abstract :
The present invention relates to an arrangement (100) and a method in a radio network node (200) for controlling a heater (101). The arrangement comprises a heater for warming air in the arrangement and at least a first flow generating device (102) and a second flow generating device (103) for generating a general air flow (105) within the arrangement. The heater (101) is arranged in between the first flow generating device (102) and the second flow generating device (103) whereby the air flowing through the heater (101) becomes dependent on the setting of the first and second flow generating devices.

No. of Pages : 14 No. of Claims : 5

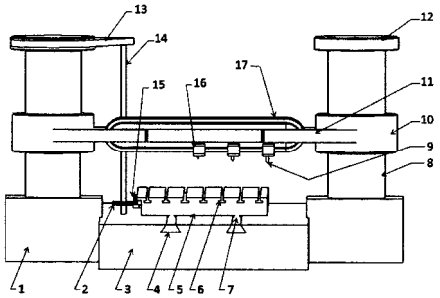
(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/04/2013

(21) Application No.421/KOL/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PLANER MACHINE TOOL USING MAGNETIC LEVITATION

| | | |
|---|---|---|
| (51) International classification | :B23Q 5/00 | (71)**Name of Applicant :** **1)NATIONAL INSTITUTE OF TECHNOLOGY** Address of Applicant :SILCHAR, P.O. SILCHAR-788010, ASSAM India |
| (31) Priority Document No | :NA | |
| (32) Priority Date | :NA | |
| (33) Name of priority country | :NA | (72)**Name of Inventor :** **1)DR. PATOWARI, P.K.** **2)MR. SRIVASTAVA, ASHESH** **3)MR. SRIVASTAVA, ASHESH** **4)MR. YADAV, RAVI** |
| (86) International Application No | :NA | |
| Filing Date | :NA | |
| (87) International Publication No | : NA | |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :
The invention relates to the machine tools such as planers. The existing planers use one cutting stroke and another idle return stroke. This reduces efficiency of planer. They also use large mechanical effort to operate the planer and consume more time in metal-cutting-operations. The present invention uses magnetic levitation principle by providing horizontal and vertical permanent magnets and electromagnets on opposite surfaces of different parts of planers used while carrying out cutting and propulsion processes, thereby reducing required mechanical effort. The invention leads to lesser maintenance cost due to less wear and tear by avoiding physical contacts between tool-posts and their guideways happening because of effect of appropriate magnetic fields. The invention reduces machining time by using plurality of cutting tools and eliminating idle strokes. This invention provides uniform cutting speed and enables machining of plurality of identical workpieces at a time. The invention is useful in mechanical workshops where metal-cutting-processes are used for creating flat surfaces on work-pieces.




No. of Pages : 24 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2010

(21) Application No.750/KOL/2010 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A PROCESS FOR REMOVAL OF METALS FROM VEGETABLE OILS & ANIMAL FATS

| | |
|---|---|
| (51) International classification | :C11B 3/04 |
| (31) Priority Document No | :NA |
| (32) Priority Date | :NA |
| (33) Name of priority country | :NA |
| (86) International Application No<br>Filing Date | :NA<br>:NA |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

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**2)B RAVI KUMAR**
**3)ALOK SHARMA**
**4)BRIJESH KUMAR**
**5)SURBHI SEMWAL**
**6)AJAY KUMAR ARORA**
**7)SURESH KUMAR PURI**
**8)SAEED AHMED**
**9)VIVEKANAND KAGDIYAL**
**10)SANTANAM RAJAGOPAL**
**11)RAVINDER KUMAR MALHOTRA**
**12)ANAND KUMAR**

(57) Abstract :
The invention describes process for demetallation of vegetable oils and animal fats to reduce metal content below 1 ppm to make them suitable for hydroprocessing feedstocks. The process comprises acid treatment with very low concentration of acids, utilizing synergistic effect of phosphoric acid and citric acid, followed by counter-current treatment with clay without intermediate step of water washing and treatment with ion exchange resin.

No. of Pages : 20 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2010

(21) Application No.751/KOL/2010 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A REACTOR DESIGN FOR GAS TO LIQUID (GTL) PROCESSES

(51) International classification :B01J 37/18
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**4)BRIJESH KUMAR**
**5)SANTANAM RAJAGOPAL**
**6)RAVINDER KUMAR MALHOTRA**
**7)ANAND KUMAR**

(57) Abstract :
This invention relates to an apparatus and a process for conversion of syngas into one or more hydrocarbons in presence of Fisher-Tropsch catalyst comprising in-situ catalyst activation in a separate fluid bed reactor. Activation is carried out in the dry phase in flowing hydrogen atmosphere in fluidised condition in a separate fluid bed reactor. The activated catalyst is transferred to the main slurry reactor with flowing hydrogen. Filters are provided outside the slurry reactor and separated wax product is recycled back to the reactor.

No. of Pages : 11 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/12/2009

(21) Application No.1451/KOL/2009 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : THERMAL TREATMENT DEVICE

(51) International classification :A61F 7/02
(31) Priority Document No :61/140146
(32) Priority Date :23/12/2008
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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**2)HARRY S. SOWDEN**
**3)RONNI L. ROBINSON**
**4)STEPHAN G. WIET**

(57) Abstract :
A thermal device to be worn in close proximity to the skin of a human comprising a thermal reservoir containing a thermal composition that is solid at temperatures of about 0,°C or greater; wherein the device substantially covers the left or right trapezius muscle of the neck and shoulder and may be rotated 90 degrees to cover the left or right paraspinal muscles in the lower back and the tender point of the respective sacroiliac joint.

No. of Pages : 26 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/05/2011

(21) Application No.2011/KOLNP/2011 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : RADIO BASE STATION

(51) International classification :H04W72/04
(31) Priority Document No :2008-287093
(32) Priority Date :07/11/2008
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2009/068957
Filing Date :06/11/2009
(87) International Publication No :WO 2010/053145
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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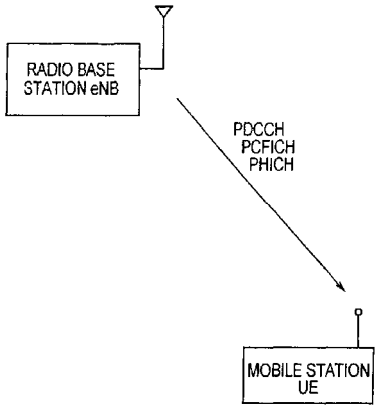
(72)**Name of Inventor :**
**1)OKUBO, NAOTO**
**2)ISHII, HIROYUKI**

(57) Abstract :
A radio base station (eNB) according to the present invention includes: an aggregation level determination unit (14) configured to determine an aggregation level based on CQI notified from a mobile station (UE); a control channel element assignment unit configured to assign a plurality of continuous CCE to a PDCCH addressed to the mobile station (UE), based on the determined aggregation level; and a resource assignment unit (14) configured to assign resource element groups constituting the assigned CCE as a resource for the PDCCH addressed to the mobile station (UE), wherein the control channel element assignment unit (14) is configured to assign a plurality of continuous CCE to the PDCCH addressed to the mobile station (UE) based on an aggregation level changed by the aggregation level determination unit (14), when failing to assign CCE to the PDCCH addressed to the mobile station (UE).




No. of Pages : 53 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/08/2011

(21) Application No.1070/KOL/2011 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HERBAL COMPOSITIONS FOR CONTROL OR ELIMINATION OF PLANT PESTS

(51) International classification :A01N65/01
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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(57) Abstract :
The present invention in a preferred embodiment provides herbal composition, having pesticidal effect or pesticidal activity; for control or elimination of plant pests; the composition comprising at least a part of *Polygonum glabrum* Roxb. (Dense Flower knotweed), part of *Alternanthera sessilis* L. (Gndhari Sag), and part of *Azadirachta indica* L. (Neem), to which parts of one or more additional complimentary herb may be optionally added, wherein the additional complimentary herb may also be a herb for control or elimination of plant pests such as but not limited to parts of *Eclipta alba, Abrus precatorius, Allium sativum, Apium graveolens, Argemone mexicana,* or any combination thereof. The invention also provides for methods of preparation of the herbal composition.

No. of Pages : 15 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/12/2010

(21) Application No.1425/KOL/2010 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : PROCESS FOR PREPARATION OF FOSAMPRENAVIR CALCIUM

(51) International classification :C07F 9/06
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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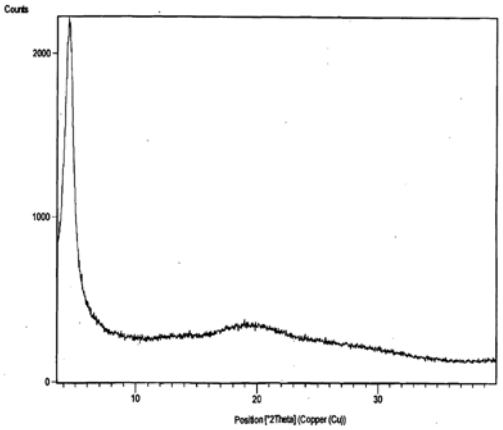
**2)PATHADE, AJINATH TUKARAM**
**3)KUMAR GAURAV**
**4)SHABADE, SAMIR, SHANTESHWAR**
**5)PAGHDAR, DINESH, JAYNTIBHAI**
**6)RAY, PURNA CHANDRA**
**7)SINGH, GIRIJ PAL**

(57) Abstract :
The present invention provides novel intermediate Calcium (3S) tetrahydro-3-furanyl (1S,2R)-3-[[(4-nitro-phenyl)-sulfonyl] (isobutyl) amino]-1-benzyl-2-phosphonooxy) propyl-carbamate (V) and process for its preparation comprising, reacting (3S) tetrahydro-3-furanyl (lS,2R)-3-[[(4-nitrophenyl)sulfonyl](isobutyl)amino]-l-benzyl-2-(hydroxy)propyl carbamate (II) with a phosphorylating agent to obtain (3S) tetrahydro-3-furanyl(lS,2R)-3-[[(4-nitrophenyl)sulfonyl](isobutyl)amino]-l-benzyl-2-(phosphonooxy) propyl carbamate (III); optionally converting compound (III) to its sodium salt (IV); adding calcium ions to compound (III) or compound (IV); and optionally purifying the resultant compound (V). The present invention provides process for preparation of fosamprenavir calcium comprising, reacting a compound (V) with a reducing agent.




No. of Pages : 21 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/08/2011

(21) Application No.3240/KOLNP/2011 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MOBILE COMMUNICATION METHOD, RADIO BASE STATION, AND MOBILE STATION

(51) International classification :H04W 16/14
(31) Priority Document No :2009-005090
(32) Priority Date :13/01/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/050168
Filing Date :08/01/2010
(87) International Publication No :WO 2010/082546
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)NTT DOCOMO, INC.**
Address of Applicant :11-1, NAGATACHO 2-CHOME, CHIYODA-KU, TOKYO, 100-6150 JAPAN
(72)**Name of Inventor :**
**1)IWAMURA, MIKIO**
**2)COSOVIC, IVAN**

(57) Abstract :
A mobile communication method according to the present invention includes: a step (A) of adjusting, at a second radio base station (FBS), a timing of transmitting a downlink signal in a second cell under the control of the second radio base station (FBS) , based on an measurement result of a timing of receiving a downlink signal from a first cell under the control of a first radio base station (MBS).

No. of Pages : 36 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/04/2013

(21) Application No.429/KOL/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : COMBUSTOR AND A METHOD THEREOF

| | |
|---|---|
| (51) International classification | :F23R 3/00 |
| (31) Priority Document No | :NA |
| (32) Priority Date | :NA |
| (33) Name of priority country | :NA |
| (86) International Application No | :NA |
| Filing Date | :NA |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number | :NA |
| Filing Date | :NA |
| (62) Divisional to Application Number | :NA |
| Filing Date | :NA |

(71)**Name of Applicant :**
**1)SIEMENS AKTIENGESELLSCHAFT**
Address of Applicant :WITTELSBACHERPLATZ 2, 80333 MÜNCHEN GERMANY
(72)**Name of Inventor :**
**1)SRINIVASAN DATTARAJAN,**
**2)SRIDHAR GURURAJA RAO,**

(57) Abstract :
A combustor (10) is presented. The combustor (10) includes a cylindrical vessel (12) having a central axis (20), the cylindrical vessel (12) having a first end (14) and a second end (16), a fuel inlet (24) for supplying fuel into the cylindrical vessel (12), wherein the fuel inlet (24) is located at the first end (14), an air inlet (22) for supplying air into the cylindrical vessel (12), wherein the air inlet (22) is located at the first end (14) and wherein the air inlet (22) is arranged at an angle to the fuel inlet (24) such that the air and the fuel are supplied into the cylindrical vessel (12) at the angle, and at least one of the air inlet (22) or the fuel inlet (24) is located off-axis to the central axis (20), such that the fuel or the air is supplied into the cylindrical vessel (12) in a direction, which creates a swirl flow inside the cylindrical vessel (12) .

No. of Pages : 17 No. of Claims : 14

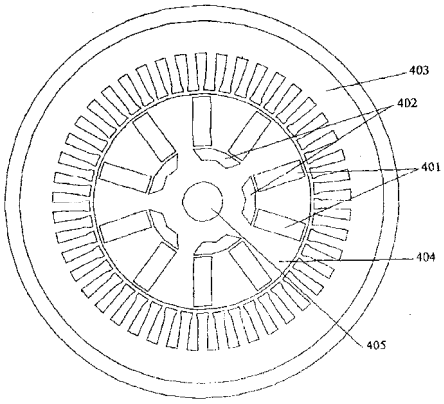
(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/04/2013

(21) Application No.449/KOL/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : 'A PERMANENT MAGNET MACHINE WITH ENHANCED AIR GAP FLUX DENSITY AND OPERABLE AS PERMANENT MAGNET MOTOR OR GENERATOR'

| | | |
|---|---|---|
| (51) International classification | :H02K 1/00 | (71)**Name of Applicant :** **1)BHARAT HEAVY ELECTRICALS LIMITED** Address of Applicant :BHARAT HEAVY ELECTRICALS LIMITED REGION CAL OPERATIONS DIVISION(ROD), PLOT NO:9/1, DJ BLOCK 3RD FLOOR, KARUNAMOYEE,SALTLAKE CITY, KOLKATA-700091, HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI FORT, NEW DELHI - 110049, INDIA. |
| (31) Priority Document No | :NA | |
| (32) Priority Date | :NA | |
| (33) Name of priority country | :NA | |
| (86) International Application No | :NA | |
| Filing Date | :NA | |
| (87) International Publication No | : NA | |
| (61) Patent of Addition to Application Number | :NA | (72)**Name of Inventor :** **1)DR UMAKANATA CHOUDHURY** **2)UDAY KUMAR MUDHIGOLLAM** |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :
The invention relates to a permanent magnet machine with enhanced air gap flux density and operable as permanent magnet motor or generator comprising at least a rotor having a rotor core with a plurality of slots; a plurality of permanent magnets each disposed in one of said slots; and multiple holes constructed in a spaced apart manner at the bottom of the rotor core between the permanent magnets; wherein the permanent magnets are inserted in the slots such that the thickness of the magnets at the top is more than that at the bottom.




No. of Pages : 15 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/04/2013

(21) Application No.431/KOL/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HERBAL FORMULATION FOR TREATMENT OF BONE FRACTURE

| | |
|---|---|
| (51) International classification | :A61K 36/00 |
| (31) Priority Document No | :NA |
| (32) Priority Date | :NA |
| (33) Name of priority country | :NA |
| (86) International Application No | :NA |
| Filing Date | :NA |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number | :NA |
| Filing Date | :NA |
| (62) Divisional to Application Number | :NA |
| Filing Date | :NA |

(71)**Name of Applicant :**
**1)VIVEKANANDA MAITY**
Address of Applicant :VILLAGE RASIKACHAK, P.O. SRIKRISHNAPUR, DIST. PUBRA MEDINIPUR-721659, WEST BENGAL India
(72)**Name of Inventor :**
**1)VIVEKANANDA MAITY**

(57) Abstract :
A herbal formulation for the treatment of bone fracture comprising: an extract obtained from 3 to 7 grams of leaves of *Mikania micrantha*, 2 to 5 grams of roots of *Abutilon indicum* and 35 to 45 grams of leaves 5 of *Stephania japonica*..

No. of Pages : 7 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/12/2009

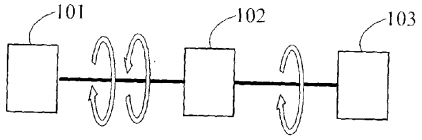
(21) Application No.1447/KOL/2009 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MANPOWER-DRIVEN DEVICE WITH BI-DIRECTIONAL INPUT AND CONSTANT DIRECTIONAL ROTATION OUTPUT

| | |
|---|---|
| (51) International classification | :B62M 29/00 |
| (31) Priority Document No | :12/282,711 |
| (32) Priority Date | :23/03/2009 |
| (33) Name of priority country | :U.S.A. |
| (86) International Application No | :NA |
| Filing Date | :NA |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number | :NA |
| Filing Date | :NA |
| (62) Divisional to Application Number | :NA |
| Filing Date | :NA |

(71)**Name of Applicant :**
**1)TAI-HER YANG**
Address of Applicant :NO. 59, CHUNG HSING 8 ST., SI-HU TOWN, DZAN-HWA, R.O.C. Taiwan
(72)**Name of Inventor :**
**1)TAI-HER YANG**

(57) Abstract :
The present invention is related to a manpower driven device being able to do particular bi-directional pedaling to provide constant directional output for driving the loading wheel train, wherein its pedaling direction is selected by the rider according to his/her operating statuses of the muscles and joints, or the same directional outputs of different speed ratios is made further through the different driving directional inputs.




No. of Pages : 44 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/05/2011

(21) Application No.2121/KOLNP/2011 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CYLINDER DRIVING APPARATUS USING AIR PRESSURE

(51) International classification :F01B11/00
(31) Priority Document No :10-2008-0111037
(32) Priority Date :10/11/2008
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2009/005897
Filing Date :14/10/2009
(87) International Publication No :WO/2010/053263
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)HA Seok-bong**
Address of Applicant :Lucky Int'l patent & law office 10th Fl; ChungWoo Bldg. 729-14 Yeonsan-dong Yeonje-gu Busan 611-080 Republic of Korea
(72)**Name of Inventor :**
**1)HA Seok-bong**

(57) Abstract :

It is an aim of the present invention to overcome urgent and pressing global troubles directly associated with the human right to live, such as the energy crisis, the economic crisis, and environmental pollution and the like which cannot be delayed or neglected any longer in order to meet the needs of the times. Further, it is an aim of the present invention to significantly reduce the dependency on a variety of fossil directly associated with global warming. Therefore, the present invention provides a cylinder driving apparatus using air pressure, with maximized energy, characterized in that the use of fossil fuel energy is reduced and the use of clean energy is proposed. The present invention relates to a cylinder diving apparatus in which a plurality of flexible tubes connected to a crankshaft are filled with high pressure air, alternately expand by expansion energy, and are elevated to operate and rotate the crankshaft. Further, the preset invention relates to an apparatus for minimizing friction and eliminating gravitational force which may interfere with the elevating movement, to thereby maximize the efficiency of the conversion of compressed air expansion energy into rotating movement. The present invention achieves a great and active supplement and improvement over Korean Patent Registration No. 0041791 and No. 0210368 granted to the applicant of the present invention, ad proposes an inventive structure of an assistant tube that provides a novel energy source. Conventional apparatus use a variety of fossil fuels as a power source, whereas the present invention eliminates the repeated rise of oil prices ad ends energy problems, enables people to enjoy a stable life and aids in economic development, and provides all mankind with a new environmentally-friendly energy resource to take the place of the innumerable conventional power sources. The cylinder driving apparatus using air pressure according to the present invention comprises: a plurality of flexible tubes arranged in a case to flexibly move via high-pressure air; a connecting rod fixed at each of the flexible tubes, and which penetrates through an upper portion of the case; a crank shaft sequentially coupled to the connecting rod to rotate via the elevating movement of the connecting rod; a high pressure tank for supplying high pressure air to the flexible tubes via an air line; and a valve arranged in each of the flexible tubes to divide the space in the flexible tube into an upper section and a lower section and to open/shut airflow in the upper and lower sections. The valve is shut to block the upper and lower sections from each other when the flexible tubes are filled with high pressure air, and opens when the flexible tubes are elevated to top center. The valve is connected to an assistant tube, the interior of which is equipped with a tensile spring force to keep the assistant tube compressed, to enable compressed air in the flexible tubes to flow to the assistant tube when the valve opens.

No. of Pages : 24 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/01/2010

(21) Application No.13/KOL/2010 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CHECK DESTRUCTION TRACKING AND RECONSTRUCTION

(51) International classification :G06Q40/00
(31) Priority Document No :12/350,669
(32) Priority Date :08/01/2009
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
**1)PIEDRA, HUMBERTO KENNETH**
**2)BOYD, HAMILTON TARRY**
**3)FELSE, MARK DAVID**
**4)VANLANDINGHAM, BARRY THOMAS**

(57) Abstract :
A method for check destruction tracking and reconstruction relates to tracking the destruction of financial institution items, such as paper checks. The method includes transferring the financial institution items to a bin for transporting the items to be destroyed. The bin is associated with a bin identifier. The items which are in the bin are identified and the bin is transported for destruction. If the items are safely transported and safely destroyed, a notification of destruction of the items in the bin is sent. If the items are either not safely transported or not safely destroyed, a notification of an incident is sent. Appropriate action may be taken in response to receiving such notification.

No. of Pages : 17 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/04/2013

(21) Application No.438/KOL/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : ONSITE SCREENING TECHNIQUE FOR PREDICTING PULP WOOD TRAITS USING HANDHELD NIRS

| | | |
|---|---|---|
| (51) International classification | :B27L 1/00 | (71)**Name of Applicant :** **1)ITC LIMITED** |
| (31) Priority Document No | :NA | Address of Applicant :37, J.L. NEHRU ROAD, KOLKATA-700071, WEST BENGAL, INDIA. |
| (32) Priority Date | :NA | (72)**Name of Inventor :** |
| (33) Name of priority country | :NA | **1)RAMADEVI, PAYYAVULA** |
| (86) International Application No | :NA | **2)VARGHESE, MOHAN** |
| Filing Date | :NA | **3)KAMALAKANNAN, RATHINAM** |
| (87) International Publication No | : NA | **4)SURAJ, GANAPATHI, PORIYANE** |
| (61) Patent of Addition to Application Number | :NA | **5)ARUTSELVAN, THAMBUSAMY** |
| Filing Date | :NA | **6)HEGDE, DEEPAK, VISWANATH** |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :
The present invention provides a process for predicting wood traits of standing Eucalyptus species trees comprising the steps of: (iv)Preparation of a sample point by debarking a portion of the tree and drilling a hole wherein the hole is made at a suitable place in the debarked window; (v) Illuminating the sample point with infra-red radiation; (vi) Determining the wood trait of the standing tree by comparing the spectral data with a calibration model.

No. of Pages : 20 No. of Claims : 4

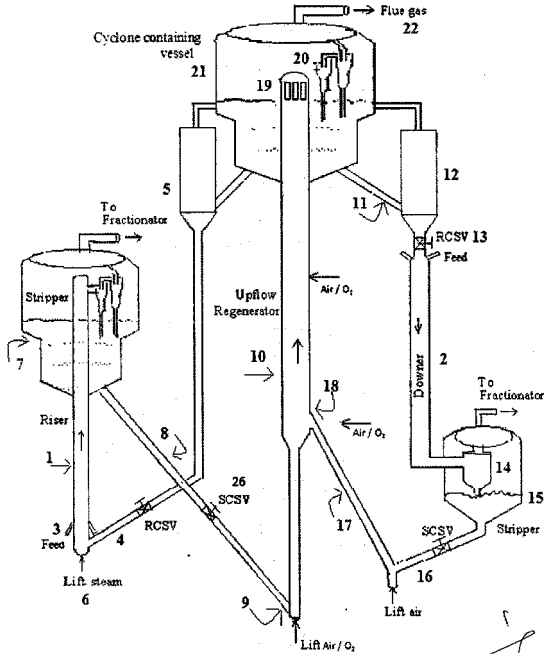
(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2010

(21) Application No.747/KOL/2010 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : UPFLOW REGENERATION OF FCC CATALYST FOR MULTI STAGE CRACKING

| | | |
|---|---|---|
| (51) International classification | :C10G 11/18 | (71)**Name of Applicant :** **1)INDIAN OIL CORPORATION LTD.** Address of Applicant :INDIAN OIL BHAVAN, 2, GARIAHAT ROAD (SOUTH), DHAKURIA, KOLKATA - 700068, WEST BENGAL India |
| (31) Priority Document No | :NA | |
| (32) Priority Date | :NA | |
| (33) Name of priority country | :NA | |
| (86) International Application No | :NA | (72)**Name of Inventor :** |
| Filing Date | :NA | **1)MUKTHIYAR S** |
| (87) International Publication No | : NA | **2)PRADEEP PR** |
| (61) Patent of Addition to Application Number | :NA | **3)DEBASIS BHATTACHARYYA** |
| Filing Date | :NA | **4)SATHEESH VK** |
| (62) Divisional to Application Number | :NA | **5)G SAIDULU** |
| Filing Date | :NA | |

(57) Abstract :
This invention relates to a process and an apparatus for regeneration of spent FCC catalyst using multiple reactors operation resulting in wide variation of coke on spent catalyst are disclosed. This process uses an up flow regenerator with divided injection of spent catalyst based on their coke content to control the residence time for its efficient regeneration and reduced hydrothermal deactivation. This system has the advantage of minimizing the exposure to the high temperature of low coked catalyst to the minimum possible time and high coke contained catalyst to the required time for its complete regeneration.




No. of Pages : 15 No. of Claims : 17

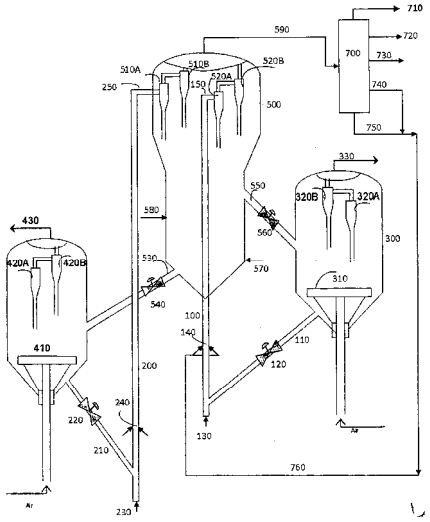
(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2010

(21) Application No.748/KOL/2010 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : DUAL RISER CATALYTIC CRACKING APPARATUS AND PROCESS FOR RESID UPGRADATION

| | | |
|---|---|---|
| (51) International classification | :B01J 8/26 | (71)**Name of Applicant :** **1)INDIAN OIL CORPORATION LTD.** Address of Applicant :INDIAN OIL BHAVAN, 2, GARIHAT ROAD (SOUTH), DHAKURIA, KOLKATA - 700068, WEST BENGAL India |
| (31) Priority Document No | :NA | |
| (32) Priority Date | :NA | |
| (33) Name of priority country | :NA | |
| (86) International Application No | :NA | (72)**Name of Inventor :** |
| Filing Date | :NA | **1)G SAIDULU** |
| (87) International Publication No | : NA | **2)MK BHUYAN** |
| (61) Patent of Addition to Application Number | :NA | **3)THVD PRASAD** |
| Filing Date | :NA | **4)DEBASIS BHATTACHARYYA** |
| (62) Divisional to Application Number | :NA | **5)S RAJAGOPAL** |
| Filing Date | :NA | |

(57) Abstract :
This invention provides a fluidized cataytic cracking apparatus and process for converting a hydrocarbon feedstock containing higher concentrations of Conradson Carbon Residue (CCR), metal impurities, etc into lighter products by employing two riser reactors in which the feed impurities are removed using an adsorbent in a first riser reactor and cracking a portion of first riser reactor liquid product in a second riser reactor to lighter products using the active catalyst thus eliminating the catalyst deactivation due to metal, impurities and FCC catalyst activity dilution effect to achieve a better conversion and higher catalyst longevity.




No. of Pages : 27 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/09/2012

(21) Application No.1105/KOL/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : NOVEL PROCESS FOR PREPARATION OF AZILSARTAN MEDOXOMIL

(51) International classification :C07D413/14
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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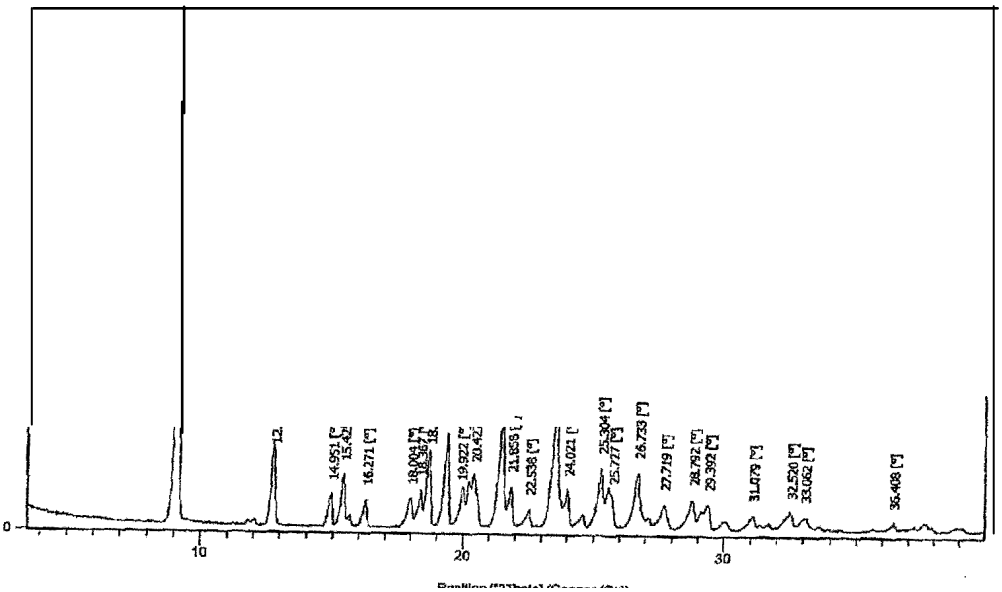
(72)**Name of Inventor :**
**1)ANSARI, Shahid, Akhtar;**
**2)HIRPARA Hitin Maganbhai;**
**3)BHATT Nikhil Shashikant;**
**4)BARIA Reenaben Ratansing;**
**5)YADAV Ashok Keshavlal;**
**6)PATEL Manishkumar Baldevlal;**

(57) Abstract :
The present invention provides novel process for preparation of azilsartan medoxomil (II) comprising coupling of azilsartan (I) and 4-(hydroxymethyl)-5-methyl-l,3-dioxol-2-one (VII) in presence of carbonyl compound, $R_3COR_4$, wherein substituents $R_3$ and $R_4$ represent a heterocyclic ring selected from imidazole, benzimidazole, triazole; or in presence of carbodiimides and base wherein carbodiimide is selected from dicyclohexylcarbodiimide, diisopropylcarbodiimide, N-[3-(dimethyl-amino) propyl]-N'-ethylcarbodiimide. The present invention further provides novel Form I of azilsartan kamedoxomil.




No. of Pages : 17 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/04/2013

(21) Application No.441/KOL/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A NOVEL MEDICAL EQUIPMENT FOR ANCHORING AND CLOSING OF CRANIAL FLAP DURING NEUROSURGERY OF HEAD AT AT CUT LINES

| | |
|---|---|
| (51) International classification | :A61B 17/00 |
| (31) Priority Document No | :NA |
| (32) Priority Date | :NA |
| (33) Name of priority country | :NA |
| (86) International Application No | :NA |
| Filing Date | :NA |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number | :NA |
| Filing Date | :NA |
| (62) Divisional to Application Number | :NA |
| Filing Date | :NA |

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Address of Applicant :MODERN SERGICAL, 101A, CHITTARANJAN AVENUE, KOLKATA-700 073 West Bengal India
(72)**Name of Inventor :**
**1)GHANSHAM DAS AGARWAL**

(57) Abstract :
This invention relates to a novel medical equipment for anchoring and closing of cranial flap during neurosurgery of head at cut lines comprising of atleast two discs connected by means of a connecting member, wherein the top and bottom disc is provided with a cut on the same side. It is associated with the following advantageous features: Fast to use and apply i.e. less than two minutes. Cost effective. No requirement of any special instrumentation for application. Prevention of damage to brain by resisting pressure. Fast re-opening of craniotomy flap without requiring special instrumentation. Reasonable. Allows outward movement of cranial flap in case of brain edema.

No. of Pages : 16 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2010

(21) Application No.746/KOL/2010 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : A DUAL FUNCTION CATALYST ADDITIVE COMPOSITION AND A PROCESS FOR THE PREPARATION THEREOF

(51) International classification :C10G 11/05
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)INDIAN OIL CORPORATION LTD.**
Address of Applicant :INDIAN OIL BHAVAN, 2, GARIAHAT ROAD (SOUTH), DHAKURIA, KOLKATA - 700068, WEST BENGAL India
(72)**Name of Inventor :**
**1)MOHAN PRABHU K**
**2)AV KARTHIKEYANI**
**3)MANISH AGARWAL**
**4)BISWANATH SARKAR**
**5)BALAIAH SWAMY**
**6)V CHIDAMBARAM**
**7)PS CHOUDHURY**
**8)S RAJAGOPAL**

(57) Abstract :
A composition of a value added RFCC catalyst and a process of preparation of a composition for a dual function additive catalyst from a spent catalyst are disclosed. The value added spent FCC catalyst offers improved performance, options such as either employing as an additive for passivation of both vanadium and nickel and enhancing catalytic activity, for initial start-up or make-up for attrition losses. The value addition process does not harm any of physical properties of starting material with respect to ABD, attrition index, surface area and particle size distribution. Value added catalyst can be used in a range from 1-99 wt% in fluid catalytic cracking process in which, feeds may have higher metals and carbon.

No. of Pages : 21 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/12/2009

(21) Application No.1448/KOL/2009 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : HEALD SHAFT WITH ROBUST CORNER CONNECTION

(51) International classification :D03C 9/06
(31) Priority Document No :08 172 850.3
(32) Priority Date :23/12/2008
(33) Name of priority country :EUROPEAN UNION
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)GROZ-BECKERT KG**
Address of Applicant :PARKWEG 2, 72458 ALBSTADT GERMANY
(72)**Name of Inventor :**
**1)KARL-HEINZ GESING**

(57) Abstract :
The corner connection 6 of the heald shaft 1 provides a mechanically stable, electrically insulating connection between the lateral support 4 and the shaft rod 3 that, optionally, consists of another material or of metal. An adapter 22, which is seated on a connecting piece 16 of the lateral support 4 and is inserted together with said connecting piece into a hollow space 14 of the shaft rod 3, is disposed for providing the connection. A passage 31 extends in a direction transverse to the shaft rod 3 and the parting line between the connecting piece 16 and a pressure piece 26 of the adapter 22, whereby a tensioning device is inserted in said passage. This tensioning device comprises, for example, an expansion sleeve 34 and an expansion element 38 that can be pressed into the expansion sleeve 34, said expansion sleeve expanding as a result of this. The expansion causes a vertical stretching of the adapter 22, thus tightening the corner connection 6.

No. of Pages : 30 No. of Claims : 15

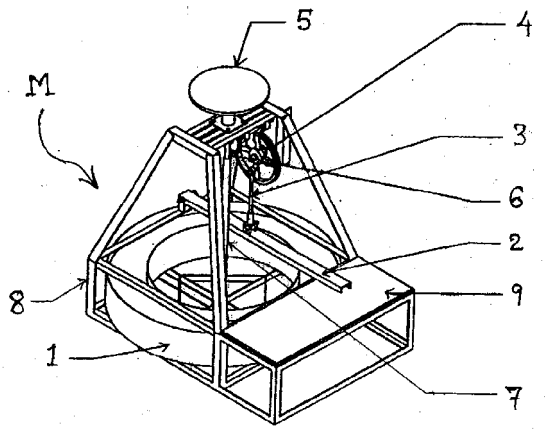
(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/04/2013

(21) Application No.442/KOL/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : AN IMPROVED FOOT DRIVEN POTTER'S WHEEL MACHINE

| | | |
|---|---|---|
| (51) International classification | :B28B 1/00 | (71)**Name of Applicant :** **1)INDIAN INSTITUTE OF TECHNOLOGY,** Address of Applicant :KHARAGPUR 721 302 WEST BENGAL, INDIA. (72)**Name of Inventor :** **1)P. B. S. BHADORIA,** |
| (31) Priority Document No | :NA | |
| (32) Priority Date | :NA | |
| (33) Name of priority country | :NA | |
| (86) International Application No | :NA | |
| Filing Date | :NA | |
| (87) International Publication No | : NA | |
| (61) Patent of Addition to Application Number | :NA | |
| Filing Date | :NA | |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :
An improved foot driven potters' wheel machine comprises of a kick pedal (2), a crank (3) connected to the pedal (2), a string connecting the crank to a large pinion (4) attached to a small pinion, a turn table (5) held by a central shaft (7) of the top end when the other end is attached to a fly wheel (1). A bevel gear is disposed on the central shaft when another bevel gear is attached to the same shaft of the small pinion. By kicking the pedal (2) the motion is transferred from the crank (3) to the flywheel (1). The rotation of the flywheel (1) facilitates the making of Pottery with case and comfort.




No. of Pages : 11 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/04/2013

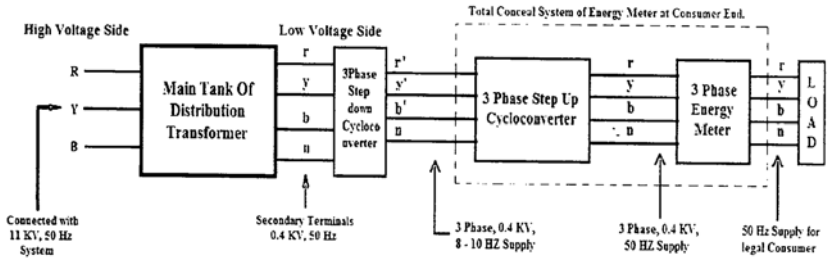
(21) Application No.443/KOL/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : 'FREQUENCY CONTROLLED ANTI THEFT SYSTEM OF POWER'

| | |
|---|---|
| (51) International classification | :B60R 25/00 |
| (31) Priority Document No | :NA |
| (32) Priority Date | :NA |
| (33) Name of priority country | :NA |
| (86) International Application No | :NA |
| Filing Date | :NA |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number | :NA |
| Filing Date | :NA |
| (62) Divisional to Application Number | :NA |
| Filing Date | :NA |

(71)**Name of Applicant :**
**1)PRATIK BISWAS**
Address of Applicant :BAGDAG ROAD, VILL-MOTIGANJ, P.S-BONGAON, 24 PARGANAS (N),WEST BENGAL -743235 India
(72)**Name of Inventor :**
**1)PRATIK BISWAS**

(57) Abstract :
This invention is an advanced protection method to protect the theft of electric power at distribution end. This proposed method is totally done by frequency variation in distribution system. Here distribution system model has been developed in frequency variation scheme.




No. of Pages : 14 No. of Claims : 7

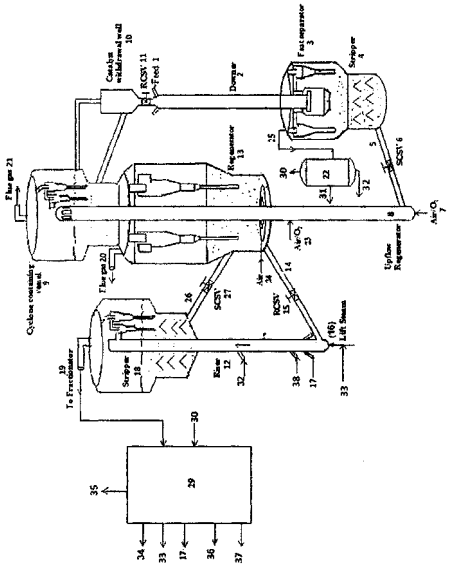
(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2010

(21) Application No.749/KOL/2010 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : TWO STAGE FLUID CATALYTIC CRACKING APPARATUS AND PROCESS FOR PRODUCTION OF DIFFERENT HYDROCARBONS

| | | |
|---|---|---|
| (51) International classification | :C10G 51/02 | (71)**Name of Applicant :** **1)INDIAN OIL CORPORATION LTD.** Address of Applicant :INDIAN OIL BHAVAN, 2, GARIAHAT ROAD (SOUTH), DHAKURIA, KOLKATA - 700068, WEST BENGAL India |
| (31) Priority Document No | :NA | |
| (32) Priority Date | :NA | |
| (33) Name of priority country | :NA | |
| (86) International Application No | :NA | (72)**Name of Inventor :** |
| Filing Date | :NA | **1)PRADEEP PR** |
| (87) International Publication No | : NA | **2)MUKTHIYAR S** |
| (61) Patent of Addition to Application Number | :NA | **3)G SAIDULU** |
| Filing Date | :NA | **4)DEBASIS BHATTACHARYYA** |
| (62) Divisional to Application Number | :NA | **5)SATHEESH VK** |
| Filing Date | :NA | |

(57) Abstract :
A two stage Fluid Catalytic Cracking process and an apparatus for simultaneous production of light olefins such as ethylene and propylene and middle distillate range hydrocarbon,, wherein a first flow reactor, preferably a downer and a second flow reactor, preferably a riser are operating at varying reaction severities using different catalyst systems with the regenerated catalyst entering the reactors inlet through independent regenerators. Mild cracking of the fresh feedstock is carried out in the first flow reactor of short residence time and the effluent of first flow reactor is separated in an intermediate separator/ fractionator followed by re-cracking of the C4 hydrocarbons and naphtha range hydrocarbons, preferably C5-150,°C from the second product separation section and unconverted hydrocarbons (370,°C +) of first flow reactor, in the second flow reactor at higher severity employing different catalyst system.



No. of Pages : 25 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/01/2012

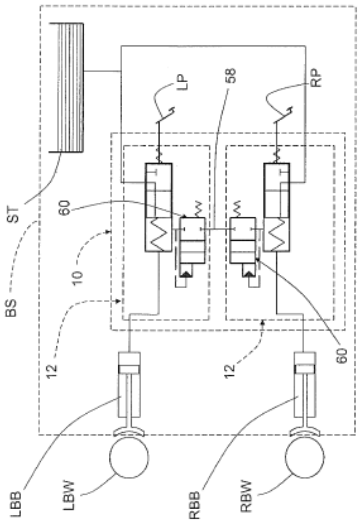
(21) Application No.100/KOLNP/2012 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : MASTER CYLINDER ASSEMBLY FOR BALANCING BRAKING SYSTEMS OF AN AGRICULTURAL VEHICLE

(51) International classification :B60T11/21
(31) Priority Document No :TO2009A000555
(32) Priority Date :22/07/2009
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2010/053199
Filing Date :13/07/2010
(87) International Publication No :WO/2011/010245
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)VHIT S.P.A.**
Address of Applicant :Strada Vicinale Delle Sabbione, 5, I-26010 Offanengo (CR), Italy
(72)**Name of Inventor :**
**1)ALBERTI, Luigi;**
**2)CADEDDU Leonardo;**

(57) Abstract :
The invention concerns a master cylinder assembly (10, 110) for balancing the braking of a couple of wheels (LBW, RBW) of a vehicle. Each master cylinder (12) has a hollow body (14), a piston (15) and a chamber (16) suitable for containing a fluid having a primary control pressure depending on a driving force applied on the piston (15) and intended to be transmitted to a utilizing device (LBB, RBB). The assembly further includes a balancing duct (58) into which the chambers (16) come out, and a plurality of normally closed balancing valves (60). Each balancing valve (60) is located between the balancing duct (58) and a respective chamber (16) and has a shutter (62) which is mechanically unconstrained to the primary piston (15) defining the primary chamber (16) to which said primary balancing valve (60) is associated, and which is operable for opening in a manner fluid-controlled by the primary control pressure taken by the fluid contained in the primary chamber (16) to which said balancing valve (60) is associated.




No. of Pages : 31 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/07/2011

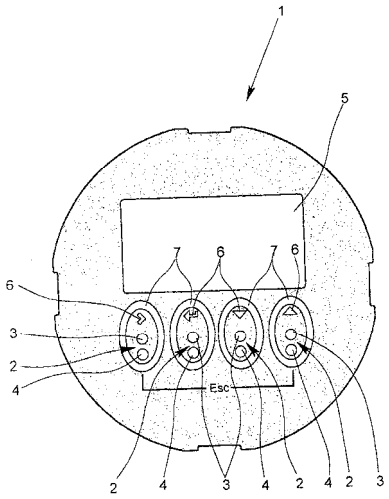
(21) Application No.1000/KOL/2011 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CONTROL PANEL FOR A MEASURING DEVICE

| | |
|---|---|
| (51) International classification | :G06F3/044 |
| (31) Priority Document No | :102010033470.7 |
| (32) Priority Date | :05/08/2010 |
| (33) Name of priority country | :Germany |
| (86) International Application No | :NA |
| Filing Date | :NA |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number | :NA |
| Filing Date | :NA |
| (62) Divisional to Application Number | :NA |
| Filing Date | :NA |

(71)**Name of Applicant :**
**1)KROHNE MESSTECHNIK GMBH**
Address of Applicant :LUDWIG-KROHNE-STRASSE 5, 47058 DUISBURG, GERMANY
(72)**Name of Inventor :**
**1)HELMUT BROCKHAUS**

(57) Abstract :
The invention describes and illustrates a control panel (1) for a measuring device with a housing having a control and inspection window, having at least one optical key (2) which is operable through the control and inspection window using a finger, the optical key (2) having a transmitting element (3) and a receiving element (4). A control panel which allows reliable and quick control even when the control panel is exposed, that is to say when a defined control distance for the optical key (2) is no longer ensured by the control and inspection window of the housing, is achieved by virtue of the fact that the control panel (1) has at least one corresponding finger-operable mechanical key (6) in addition to the finger-operable optical key (2).




No. of Pages : 19 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/12/2011

(21) Application No.1581/KOL/2011 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CUVETTE SUPPLYING DEVICE AND SPECIMEN ANALYZER

| | |
|---|---|
| (51) International classification | :G01N 21/00 |
| (31) Priority Document No | :2010-294565 |
| (32) Priority Date | :29/12/2010 |
| (33) Name of priority country | :Japan |
| (86) International Application No | :NA |
| Filing Date | :NA |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number | :NA |
| Filing Date | :NA |
| (62) Divisional to Application Number | :NA |
| Filing Date | :NA |

(71)**Name of Applicant :**
**1)SYSMEX CORPORATION**
Address of Applicant :5-1 Wakinohama-Kaigandori 1-chome Chuo-ku Kobe-shi Hyogo 651-0073 Japan
(72)**Name of Inventor :**
**1)KANEKO Shuhei**

(57) Abstract :
The invention relates to cuvette supplying device and specimen analyser.

No. of Pages : 42 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/05/2011

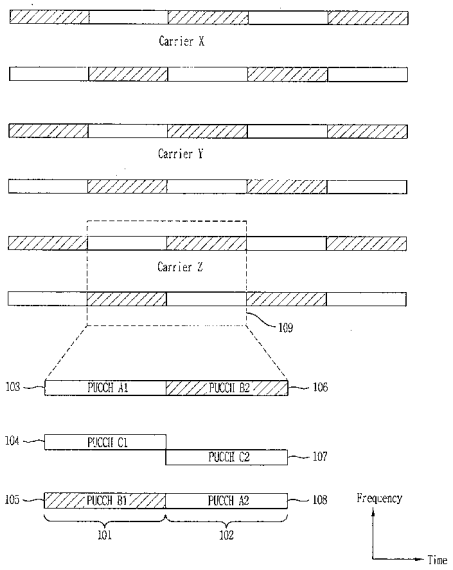
(21) Application No.2016/KOLNP/2011 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : METHOD FOR TRANSMITTING CONTROL INFORMATION IN WIRELESS MOBILE COMMUNICATION SYSTEM

(51) International classification :H04J11/00
(31) Priority Document No :61/117,220
(32) Priority Date :23/11/2008
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2009/006829
Filing Date :19/11/2009
(87) International Publication No :WO 2010/058979
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)LG ELECTRONICS INC.**
Address of Applicant :20, YEOUIDO-DONG, YEONGDEUNGPO-GU, SEOUL 150-721 REPUBLIC OF KOREA
(72)**Name of Inventor :**
**1)KWON, YEONG HYEON**
**2)NOH, MIN SEOK**
**3)CHUNG, JAE HOON**
**4)HAN, SEUNG LEE**
**5)KWAK, JIN SAM**

(57) Abstract :
The present invention relates to a method for transmitting control information by a terminal in a wireless mobile communication system using multiple uplink carriers. The method for transmitting control information comprises: multiplexing a first control information to be assigned to a first uplink control channel and a second control information to be assigned to a second uplink control channel; and transmitting the multiplexed first and second control information via an uplink channel that is allocated to one of the multiple uplink carriers. Here, the first uplink control channel and the second uplink control channel are respectively allocated to different uplink carriers.




No. of Pages : 51 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/12/2009

(21) Application No.1417/KOL/2009 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : CAM ASSEMBLY PART AND KNITTING MACHINE

(51) International classification :D04B15/32
(31) Priority Document No :08171383.6
(32) Priority Date :11/12/2008
(33) Name of priority country :EUROPEAN UNION
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
**1)GROZ-BECKERT KG**
Address of Applicant :PARKWEG 2, 72458 ALBSTADT GERMANY
(72)**Name of Inventor :**
**1)UWE STINGEL**

(57) Abstract :
A needle cam assembly is provided in a circular knitting machine or a flat-bed knitting machine, said needle cam assembly allowing an adjustment of at least one cam assembly part (22) with respect to at least one other cam assembly part (27). As a result of this, the timing of the closing and opening of the inside space of the hook of the slider needle can be adjusted relative to the timing of the retraction of the slider needle and can be set as needed. This measure may be utilized to increase the knitting quality and operational safety of a knitting machine that has been loaded with slider needles.

No. of Pages : 26 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2009

(21) Application No.1418/KOL/2009 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : NOVEL CYCLIC SULFINYL ESTERS

| | |
|---|---|
| (51) International classification | :C07D285/36, C07H19/06 |
| (31) Priority Document No | :NA |
| (32) Priority Date | :NA |
| (33) Name of priority country | :NA |
| (86) International Application No | :NA |
| Filing Date | :NA |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number | :NA |
| Filing Date | :NA |
| (62) Divisional to Application Number | :NA |
| Filing Date | :NA |

(71)**Name of Applicant :**
**1)GENERICS [UK] LIMITED**
Address of Applicant :ALBANY GATE, DARKES LANE, POTTERS BAR, HERTS EN6 1AG, U.K.
(72)**Name of Inventor :**
**1)GORE, VINAYAK, G**
**2)PATKAR LAXMIKANT**
**3)BAGUL AMIT**
**4)EDAKE MAHESH**

(57) Abstract :
A process for the preparation of capecitabine.

No. of Pages : 20 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/04/2013

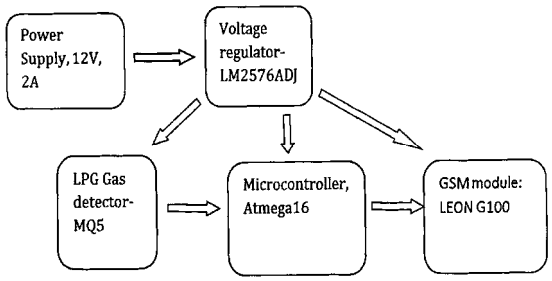
(21) Application No.444/KOL/2013 A
(43) Publication Date : 24/10/2014

(54) Title of the invention : GAS LEAK ALARM DETECTION AND ALERT NOTIFICATION SYSTEM.

| | |
|---|---|
| (51) International classification | :G08B 25/00 |
| (31) Priority Document No | :NA |
| (32) Priority Date | :NA |
| (33) Name of priority country | :NA |
| (86) International Application No | :NA |
| Filing Date | :NA |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number | :NA |
| Filing Date | :NA |
| (62) Divisional to Application Number | :NA |
| Filing Date | :NA |

(71)**Name of Applicant :**
**1)GAUTAM KUMAR**
Address of Applicant :FLAT NO. 101, APOLLO ASIANA APARTMENT, PALASUNI, RASULGARH, BHUBANESWAR-751010, Orissa India
(72)**Name of Inventor :**
**1)GAUTAM KUMAR**

(57) Abstract :
The present invention deals with a gas leak alarm detection and alert notification system comprising: a plurality of sensors for detecting abnormal conditions of gas leak ; a power adapter; a central unit including a memory comprising executable instructions , a monitoring means which, in the event of an abnormal condition is detected by the plurality of sensor means arranged in a vicinity, receives a monitor signal transmitted by the said monitoring means and an automatic communication control means which also receives the transmitted signal of monitoring means and accordingly raise alarm and further transmits alert messages to a plurality of configured mobile stations; a remote control means / keypad means connected wired/wirelessly for remotely commanding an operation from a predetermined distance, and for storing a secret code so as not to be controlled except by an authorized user.




No. of Pages : 20 No. of Claims : 10

# AMENDMENT UNDER SEC. 57

**(01)**

An application for change in the name of the Patentee from Sankyo Agro Company, Limited to MITSUI CHEMICALS AGRO, INC in respect of Patent No. 260910 (3904/KOLNP/2007) was filed. Any person interested may at any time within three months from the date of this publication give notice on Form-14, if any, to the Controller of Patents, at the appropriate office.

**(02)**

An application for change in the name of the Patentee from Shenzhen Gosun Pharmaceutical Co., Ltd. to SHENZHEN CHINA RESOURCES GOSUN PHARMACEUTICAL CO. LTD in respect of Patent No. 257066 (2063/KOLNP/2008) was filed. Any person interested may at any time within three months from the date of this publication give notice on Form-14, if any, to the Controller of Patents, at the appropriate office.

**(03)**

An application for change of address for service from P. Majumdar C/o L.S. Davar & Co., 32, Radha Madhab Dutta Garden Lane, Kolkata-700010 to L.S. DAVAR & CO., 32, RADHA MADHAB DUTTA GARDEN LANE, KOLKATA-700010 in respect of Patent No. 258467 (443/KOLNP/2008) was filed. Any person interested may at any time within three months from the date of this publication give notice on Form-14, if any, to the Controller of Patents, at the appropriate office.

# PUBLICATION U/S.60 IN RESPECT OF APPLICATION FOR RESTORATION OF PATENTS

Notice is hereby given that application for restoration of under mentioned Patents have been allowed and said Patents are restored.

| Sl. No. | Appln. No. | Patent No. | Applicants | Title | Date of Publication U/R.84(3) | Appropriate Office |
|---|---|---|---|---|---|---|
| 1. | 45/CAL/2002 | 221740 | MS. SARKAR BASUDHA | INTERLACED ANALOG TO DIGITAL CONVERTER HAVING A MICROARCHITECTURE MICROPROGRAMMED WITH INTERLACED BINARY SEARCH ALGORITHM | 15/04/2011 | Kolkata |
| 2. | 668/KOLNP/2007 | 255849 | PIONETICS INDIAN INSTITUTE OF TECHNOLOGYCORPORATION | ELCTROCHEMICAL ION EXCHANGE WITH TEXTURED MEMBRANES AND CARTRIDGE | 20/06/2014 | Kolkata |
| 3. | 695/CAL/2000 | 244525 | INDIAN INSTITUTE OF TECHNOLOGY | A PROCESS FOR PREPARATION OF A HERBAL SKIN NOURISHING GEL | 09/05/2014 | Kolkata |
| 4. | 361/CAL/2001 | 199412 | EXIDE INDUSTRIES LIMITED | VENTED-TYPE LEAK RESISTANT MOTOR CYCLE BATTERY | 27/06/2014 | Kolkata |
| 5. | 854/CAL/1996 | 188057 | THE TENSAR CORPORATION | A BONDED COMPOSITE OPEN MESH STRUCTURAL TEXTILES | 18/07/2014 | Kolkata |

## RESTORATION U/s.60

Notice is hereby given that application for restoration of lapsed Patent No. 219544 (IN/PCT/2001/783/KOL), was published on 04/12/2009, The Patents remain **ceased w.e.f.09/08/2008.respectively** as the applicant is no longer interested to proceed with the patents.

# Publication Under Section 43(2) in Respect of the Grant

**Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.**

| Serial Number | Patent Number | Application Number | Date of Application | Date of Priority | Title of Invention | Name of Patentee | Date of Publication of Abstract u/s 11(A) | Appropriate Office |
|---|---|---|---|---|---|---|---|---|
| 1 | 263263 | 6041/DELNP/2006 | 15/04/2005 | 16/04/2004 | AN ENDOGENOUS CORN SEED OIL HAVING A STEARIDONIC ACID | MONSANTO TECHNOLOGY LLC | 27/04/2007 | DELHI |
| 2 | 263265 | 4629/DELNP/2007 | 12/12/2005 | 17/12/2004 | LACTONE STABILIZING COMPOSITIONS | MILLIKEN & COMPANY | 17/08/2007 | DELHI |
| 3 | 263267 | 1523/DELNP/2008 | 28/07/2006 | 04/08/2005 | A RECOMBINANT INFLUENZA VIRUS HEMAGGLUTININ (HA) MOLECULE | ST. JUDE CHILDREN'S RESEARCH HOSPITAL | 20/06/2008 | DELHI |
| 4 | 263268 | 4876/DELNP/2007 | 30/12/2005 | 30/12/2004 | A(5-MORPHOLIN-4-YLMETHYL-1H-BENZOIMIDAZOL-2-YL) -1H-PYRAZOL-4-YL]-UREA COMPOUND | ASTEX THERAPEUTICS LIMITED | 17/08/2007 | DELHI |
| 5 | 263272 | 2963/DELNP/2007 | 23/09/2005 | 24/09/2004 | MODIFIED FC MOLECULES | AMGEN INC. | 24/08/2007 | DELHI |
| 6 | 263274 | 6173/DELNP/2007 | 05/10/2005 | 24/02/2005 | METHOD FOR RECORDING A VOIP COMMUNICATION USING A PEER-TO-PEER DATABANK | SIEMENS ENTERPRISE COMMUNICATION GMBH & CO. KG | 31/08/2007 | DELHI |
| 7 | 263276 | 1693/DELNP/2007 | 22/09/2005 | 29/09/2004 | METHOD FOR THE DISTRIBUTION OF SOFTWARE AND CONFIGURATION DATA, AND CORRESPONDING DATA NETWORK | Siemens Enterprise Communications GmbH & Co.KG | 03/08/2007 | DELHI |
| 8 | 263278 | 3239/DEL/2005 | 07/09/2001 | | AN IMPROVED CATALYST FOR THE PRODUCTION OF HETEROAROMATIC NITRILES | JUBILANT LIFE SCIENCES LIMITED | 05/09/2008 | DELHI |
| 9 | 263286 | 2676/DELNP/2005 | 19/12/2003 | 20/12/2002 | A PROCESS FOR THE TRIMERISATION OF OLEFINS | SASOL TECHNOLOGY (PTY) LIMITED | 22/12/2006 | DELHI |
| 10 | 263287 | 00686/DELNP/2003 | 30/10/2001 | 02/11/2000 | BELT INSTALLATION TOOL | THE GATES CORPORATION | 22/12/2006 | DELHI |
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| 14 | 263293 | 1367/DEL/2007 | 26/06/2007 | 27/06/2006 | A DRILL BIT | SANDVIK INTELLECTUAL PROPERTY AB | 04/01/2008 | DELHI |
| 15 | 263294 | 1071/DELNP/2008 | 21/04/2006 | 29/07/2005 | A PROCESS FOR PREPARING (S) OR (R) - 10,11-DIHYDRO-10-HYDROXY-5H-DIBENZ[b,f] AZEPINE-5-CARBOXAMIDE | PORTELA & C.A., S.A. | 20/03/2009 | DELHI |
| 16 | 263295 | 9396/DELNP/2007 | 09/02/2001 | 10/02/2000 | FULL-LENGTH INFECTIOUS CDNA CLONES OF TICK BORNE FLAVIVIRUS | THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES | 20/06/2008 | DELHI |
| 17 | 263300 | 2306/DELNP/2007 | 22/11/2005 | 30/11/2004 | METHOD FOR SHARING BANDWIDTH USING REDUCED DUTY CYCLE SIGNALS | FREESCALE SEMICONDUCTOR, INC. | 04/05/2007 | DELHI |
| 18 | 263301 | 2473/DELNP/2008 | 26/09/2006 | 29/09/2005 | PROCESS FOR ESTERIFICATION OF AN ORGANIC ACID | DSM SINOCHEM PHARMACEUTICALS NETHERLANDS B.V. | 27/06/2008 | DELHI |
| 19 | 263302 | 4204/DELNP/2006 | 19/01/2005 | 19/01/2005 | DIFFRACTIVE, POLARIZATION MODULATING OPTICAL DEVICES | DAVID EZRA | 22/06/2007 | DELHI |
| 20 | 263303 | 6028/DELNP/2007 | 02/02/2006 | 03/02/2005 | A METHOD FOR THE PREPARATION OF A GRANULATE COMPRISING CALCIUM CARBONATE | NYCOMED PHARMA AS | 17/08/2007 | DELHI |
| 21 | 263304 | 1751/DEL/2009 | 25/08/2009 | 04/09/2008 | NOVEL COATING COMPOSITION | ROHM AND HAAS COMPANY, | 23/04/2010 | DELHI |
| 22 | 263305 | 2310/DELNP/2008 | 15/08/2006 | 30/08/2005 | PROCESSES FOR PREPARING MTT ZEOLITES USING NITROGEN-CONTAINING ORGANIC COMPOUNDS | CHEVRON U.S.A. INC. | 15/08/2008 | DELHI |
| 23 | 263306 | 5007/DELNP/2008 | 20/12/2006 | 20/12/2005 | PROCESS FOR PREPARATION OF WATER-SOLUBLE AZOLE PRODRUGS | EISAI R & D MANAGEMENT CO., | 26/09/2008 | DELHI |
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| 27 | 263312 | 3227/DELNP/2008 | 24/07/2006 | 21/10/2005 | NO WELDING TYPE BATTERY PACK | LG CHEM, LTD., | 15/08/2008 | DELHI |
| 28 | 263314 | 6467/DELNP/2008 | 29/01/2007 | 14/02/2006 | A HIGH THROUGHPUT PROCESS FOR MANUFACTURING MOLECULAR SIEVES | EXXONMOBIL CHEMICAL PATENTS, INC. | 24/10/2008 | DELHI |
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| 31 | 263318 | 1519/DEL/2006 | 28/06/2006 | | A PROCESS FOR GENERATING MICRO AND SUB-MICRO PATTERNS ON THE SURFACES OR LAYERS OF POLYMERS | INDIAN INSTITUTE OF TECHNOLOGY | 04/01/2008 | DELHI |
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| 33 | 263322 | 1399/DELNP/2006 | 16/08/2004 | 15/08/2003 | RESPIRATORY APPARATUS | HAYEK, SHAHAR | 03/08/2007 | DELHI |
| 34 | 263323 | 8681/DELNP/2007 | 07/06/2006 | 09/06/2005 | PROCESS FOR THE PREPARATION OF 5-(4-METHYL-1H-IMIDAZOL-1-YL)-3-(TRIFLUOROMETHYL)-BENZAMINE | NOVARTIS AG., | 14/12/2007 | DELHI |
| 35 | 263327 | 8032/DELNP/2007 | 29/01/2007 | 29/01/2007 | A SYSTEM AND METHOD HAVING RADIALLY OFFSET ANTENNAS FOR ELECTROMAGNETIC RESISTIVITY LOGGING | HALLIBURTON ENERGY SERVICES, INC. | 08/08/2008 | DELHI |
| 36 | 263329 | 5631/DELNP/2007 | 06/01/2006 | 15/02/2005 | PROCESS FOR MANUFACTURING ACROLEIN BY GAS-PHASE DEHYDRATION OF GLYCEROL | ARKEMA FRANCE | 31/08/2007 | DELHI |
| 37 | 263335 | 2725/DELNP/2008 | 26/09/2006 | 26/09/2005 | PROCESS FOR THE COATING OF POLYMER PARTICLES | DSM IP ASSETS B.V. | 25/07/2008 | DELHI |
| 38 | 263336 | 16/DELNP/2008 | 22/06/2006 | 15/07/2005 | A CONTACT ELEMENT FOR MAKING AN ELECTRIC CONTACT TO A CONTACT MEMBER | ABB RESEARCH LTD.,IMPACT COATINGS AB (PUBL) | 15/08/2008 | DELHI |

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| 41 | 263342 | 7533/DELNP/2006 | 31/05/2005 | 08/06/2004 | INTRA-CELL COMMON REUSE FOR A WIRELESS COMMUNICATION SYSTEM | QUALCOMM INCORPORATED | 17/08/2007 | DELHI |
| 42 | 263343 | 9065/DELNP/2007 | 29/06/2006 | 06/07/2005 | PROCESS FOR ATTACHING EFFECTOR MOLECULES TO PROTEINS | UCB PHARMA S.A. | 25/01/2008 | DELHI |
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| 48 | 263358 | 5035/DELNP/2007 | 02/12/2004 | 02/12/2004 | AN ADJUSTMENT METHOD FOR CONTROL THRESHOLD OF TERMINAL FORWARD TRANSMISSION POWER IN A MOBILE COMMUNICATION SYSTEM | ZTE CORPORATION | 17/08/2007 | DELHI |

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| Serial Number | Patent Number | Application Number | Date of Application | Date of Priority | Title of Invention | Name of Patentee | Date of Publication of Abstract u/s 11(A) | Appropriate Office |
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| 2 | 187118 | 672/MUM/2000 | 19/07/2000 | | A PROCESS FOR THE PREPARATION OF A STORAGE STABLE INSECTICIDAL COMPOSITION OF 2-CHLORO-2-DIETHYLCARBAMOYL-1-METHYLVINYL DIMETHYLPHOSPHATE | UNITED PHOSPHORUS LIMITED | 17/07/2009 | MUMBAI |
| 3 | 263269 | 280/MUMNP/2008 | 17/07/2006 | 20/07/2005 | A MATTRESS SUPPORT FOR A BED | HUNTLEIGH TECHNOLOGY LIMITED. | 26/03/2010 | MUMBAI |
| 4 | 263271 | 1487/MUM/2008 | 15/07/2008 | | IMPROVED CELLULOSE CAPSULE | SCITECH CENTRE | 22/01/2010 | MUMBAI |
| 5 | 263273 | 2432/MUMNP/2008 | 23/05/2007 | 08/06/2006 | BLENDING MULTIPLE DISPLAY LAYERS | QUALCOMM INCORPORATED | 20/02/2009 | MUMBAI |
| 6 | 263275 | 403/MUM/2006 | 22/03/2006 | | AN ACTIVE TERNARY CATALYST SYSTEM FOR DIMERIZATION OF ETHYLENE TO 1-BUTENE | INDIAN PETROCHEMICALS CORPORATION LIMITED | 28/07/2006 | MUMBAI |
| 7 | 263277 | 938/MUM/2007 | 18/05/2007 15:31:00 | | NOVEL MESOPOROUS CATALYSTS FOR INDUSTRIAL PROCESSES | MUMBAI UNIVERSITY INSTITUTE OF CHEMICAL TECHNOLOGY | 08/05/2009 | MUMBAI |
| 8 | 263280 | 385/MUM/2009 | 20/02/2009 | | A NOVEL WATER DISPERSIBLE GRANULAR COMPOSITION | SHAH DEEPAK PRANJIVANDAS | 22/10/2010 | MUMBAI |
| 9 | 263281 | 1790/MUM/2006 | 30/10/2006 | | A PROCESS FOR THE PREPARATION OF STABLE POLYMORPHIC FORM-D OF ENTACAPONE | WOCKHARDT LTD | 25/07/2008 | MUMBAI |
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| 15 | 263310 | 1705/MUMNP/2008 | 09/02/2007 | 09/02/2006 | METHOD AND APPARATUS FOR PERFORMING UPLINK TIMING SYNCHRONIZATION PROCEDURE UPON HANDOVER IN A MOBILE COMMUNICATION SYSTEM | SAMSUNG ELECTRONICS CO., LTD. | 27/02/2009 | MUMBAI |
| 16 | 263333 | 267/MUM/2009 | 09/02/2009 13:04:34 | 07/03/2008 | SOLDERABLE ELASTIC ELECTRIC CONTACT TERMINAL | JOINSET CO., LTD | 27/08/2010 | MUMBAI |
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| 18 | 263338 | 548/MUMNP/2010 | 18/09/2008 | 20/09/2007 | TOOTH-BLEACHING PREPARATIONS | SMT RESEARCH LIMITED | 11/05/2012 | MUMBAI |
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| 20 | 263353 | 973/MUM/2008 | 06/05/2008 | 11/05/2007 | CUTTING ELEMENT FOR A CUTTING TOOL | BOEHLERIT GMBH & CO. KG.,LEITZ GMBH & CO. KG | 26/06/2009 | MUMBAI |

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| 22 | 263359 | 2543/MUM/2007 | 24/12/2007 | | A PROCESS OF MANUFACTURING AUDIO/VISUAL DETECTABLE TEMPER EVIDENT LABLE | PRS SOLUTIONS PRIVATE LIMITED | 15/02/2008 | MUMBAI |

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| Serial Number | Patent Number | Application Number | Date of Application | Date of Priority | Title of Invention | Name of Patentee | Date of Publication of Abstract u/s 11(A) | Appropriate Office |
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| 3 | 263279 | 5017/CHENP/2007 | 11/04/2006 | 27/04/2005 | METHODS AND SYSTEMS FOR SURVEILLANCE MONITORING IN A COMMUNICATION NETWORK BASED ON A NATIONAL SURVEILLANCE DATABASE | TEKELEC GLOBAL, INC. | 27/06/2008 | CHENNAI |
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| 5 | 263319 | 107/CHENP/2009 | 05/07/2007 | 07/07/2006 | WIRELESS COMMUNICATION SYSTEM AND COMMUNICATION CONTROL METHOD | MITSUBISHI ELECTRIC CORPORATION | 29/05/2009 | CHENNAI |
| 6 | 263341 | 4379/CHENP/2007 | 17/03/2006 | 04/04/2005 | AQUEOUS REINFORCED RUBBER DISPERSIONS AND A METHOD FOR MAKING LATEX FOAMS | POLYMERLATEX GMBH | 25/01/2008 | CHENNAI |

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| 2 | 263282 | 1924/KOL/2008 | 03/11/2008 | 08/11/2007 | A DIAGNOSTIC SYSTEM AND A METHOD FOR A HYBRID VEHICLE | GM GLOBAL TECHNOLOGY OPERATIONS, INC. | 05/06/2009 | KOLKATA |
| 3 | 263288 | 1165/KOLNP/2009 | 27/09/2007 | 02/10/2006 | A PROCESS FOR PRODUCING OLOPATADINE | SUMITOMO CHEMICAL COMPANY LIMITED | 22/05/2009 | KOLKATA |
| 4 | 263291 | 3984/KOLNP/2008 | 19/02/2007 | 24/03/2006 | REAGENT FOR ORGANIC SYNTHESIS | JITSUBO CO., LTD. | 27/02/2009 | KOLKATA |
| 5 | 263297 | 1484/KOL/2008 | 29/08/2008 | 11/09/2007 | A KNOCK SENSOR DIAGNOSTIC SYSTEM TO DETECT AND MITIGATE ENGINE KNOCK | GM GLOBAL TECHNOLOGY OPERATIONS, INC. | 01/05/2009 | KOLKATA |
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| 7 | 263313 | 1706/KOL/2007 | 19/12/2007 | | BARRIER PLATE FOR HIGHWAYS | CHIH-HUNG CHEN,KUO-LIANG SU | 26/06/2009 | KOLKATA |
| 8 | 263317 | 653/KOLNP/2007 | 06/08/2005 | 06/08/2004 | METHOD AND APPARATUS FOR CONTROLING A POSITIVE AIRWAY PRESSURE | FISHER & PAYKEL HEALTHCARE LIMITED | 06/07/2007 | KOLKATA |
| 9 | 263320 | 850/KOLNP/2007 | 14/09/2005 | 15/09/2004 | METHOD AND DEVICE FOR OBTAINING A PREDETEREMINED TEMPERATURE TO BE MAINTAINED INSIDE A GOODS HOLDING SPACE IN A TRANSPORT CONTAINER | PERMACOOL SA | 13/07/2007 | KOLKATA |

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| 11 | 263325 | 374/KOL/2008 | 28/02/2008 | 30/03/2007 | AN IMPROVED MULTI-SPEED TRANSMISSION FOR A POWERTRAIN | GM GLOBAL TECHNOLOGY OPERATIONS, INC. | 10/10/2008 | KOLKATA |
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| 14 | 263330 | 1097/KOL/2005 | 01/12/2005 | 16/05/2005 | OPEN DRIVE SCROLL MACHINE | EMERSON CLIMATE TECHNOLOGIES, INC. | 27/07/2007 | KOLKATA |
| 15 | 263331 | 1229/KOLNP/2007 | 08/08/2003 | 09/08/2002 | A GHRELIN ANALOGUE | SOCIETE DE CONSEIL DE RECHERCHES ET D'APPLICATIONS SCIENTIFIQUES, S.A.S. | 01/08/2008 | KOLKATA |
| 16 | 263332 | 63/KOL/2008 | 08/01/2008 | | A DEVICE FOR OIL CONSERVATION IN A LUBE OIL VENTILATION SYSTEM ADAPTABLE TO GAS TURBINES | BHARAT HEAVY ELECTRICALS LIMITED | 10/07/2009 | KOLKATA |
| 17 | 263344 | 703/KOLNP/2007 | 09/09/2005 | 10/09/2004 | SEMICONDUCTIVE POLYMER COMPOSITION | BOREALIS TECHNOLOGY OY | 13/07/2007 | KOLKATA |
| 18 | 263347 | 2467/KOLNP/2007 | 20/07/2005 | 22/12/2004 | LUMINESCENT MATERIAL. | SEOUL SEMICONDUCTOR CO., LTD.,ROTH, GUNDULA,TEWS, WALTER | 24/08/2007 | KOLKATA |
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| 21 | 263351 | 61/KOLNP/2007 | 26/05/2005 | 21/06/2004 | MECHANICAL LAYOUT AND COMPONENT PLACEMENT FOR THIN CLAMSHELL PHONE | MOTOROLA MOBILITY, INC. | 29/06/2007 | KOLKATA |
| 22 | 263354 | 1535/KOLNP/2008 | 04/10/2006 | 14/10/2005 | STAND FOR HOLDING A RADIATION DETECTOR FOR A RADIATION THERAPY DEVICE | SIEMENS AKTIENGESELLSCHAFT | 02/01/2009 | KOLKATA |
| 23 | 263357 | 438/KOL/2008 | 05/03/2008 | 15/05/2007 | A CONTROL SYSTEM THAT CONTROLS REGENERATION OF A PARTICULATE FILTER AND METHOD THEREOF | GM GLOBAL TECHNOLOGY OPERATIONS, INC. | 17/04/2009 | KOLKATA |

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