पेटेंट कार्यालय
शासकीय जर्नल

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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.

(Om Prakash Gupta)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

24th FEBRUARY, 2017

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THE PATENT OFFICE
KOLKATA, 24/02/2017
Address of the Patent Offices/Jurisdictions
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1	Office of the Controller General of Patents, Designs & Trade Marks, Boudhik Sampada Bhavan, Near Antop Hill Post Office,S.M.Road,Antop Hill, Mumbai – 400 037 Phone: (91)(22) 24123311, Fax : (91)(22) 24123322 E-mail: cgpdtm@nic.in	4	The Patent Office, Government of India, Intellectual Property Rights Building, G.S.T. Road, Guindy, Chennai – 600 032. Phone: (91)(44) 2250 2081-84 Fax : (91)(44) 2250 2066 E-mail: chennai-patent@nic.in ❖ The States of Andhra Pradesh, Telangana, Karnataka, Kerala, Tamil Nadu and the Union Territories of Puducherry and Lakshadweep.
2	The Patent Office, Government of India, Boudhik Sampada Bhavan, Near Antop Hill Post Office,S.M.Road,Antop Hill, Mumbai – 400 037 Phone: (91)(22) 24137701 Fax: (91)(22) 24130387 E-mail: mumbai-patent@nic.in ❖ 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), Government of India, Boudhik Sampada Bhavan, CP-2, Sector –V, Salt Lake City, Kolkata- 700 091 Phone: (91)(33) 2367 1943/44/45/46/87 Fax: (91)(33) 2367 1988 E-Mail: kolkata-patent@nic.in ❖ Rest of India
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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 24/02/2017

• 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 तथा व्यापार चिहन, एंटोप हिल डाकघर के समीप, एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037, भारत, फोन: (91) (22) 24123311 फ़ैक्स: (91) (22) 24123322 ई. मेल: cgpdtm@nic.in	4	पेटेंट कार्यालय, भारत सरकार इंटेलेक्चुअल प्रॉपर्टी राइट्स बिल्डिंग, इंडस्ट्रियल इस्टेट एसआईडीसीओ आरएमडी गोडाउन एरिया एडजसेन्ट टु ईगल फ्लास्क, जी. एस. टी. रोड, गायन्डी चेन्नई - 600 032. फोन: (91)(44) 2250 2081-84 फ़ैक्स: (91)(44) 2250-2066 ई. मेल: chennai-patent@nic.in ❖ आन्ध्र प्रदेश, तेलंगाना, कर्नाटक, केरल, तमिलनाडु तथा पुडुचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र, लक्षदीप
2	पेटेंट कार्यालय, भारत सरकार बौद्धिक संपदा भवन, एंटोप हिल डाकघर के समीप, एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037, फोन: (91) (22) 24137701 फ़ैक्स: (91) (22) 24130387 ई. मेल: Mumbai-patent@nic.in ❖ 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 कोलकाता, (प्रधान कार्यालय) बौद्धिक संपदा भवन, सीपी-2, सेक्टर- V, साल्ट लेक सिटी, कोलकाता-700 091, भारत. फोन: (91)(33) 2367 1943/44/45/46/87 फ़ैक्स:/Fax: (91)(33) 2367 1988 ई. मेल: kolkata-patent@nic.in ❖ भारत का अवशेष क्षेत्र
3	पेटेंट कार्यालय, भारत सरकार बौद्धिक संपदा भवन, प्लॉट सं. 32, सेक्टर- 14, द्वारका, नई दिल्ली- 110 075. फोन: (91)(11) 25300200, 28032253 फ़ैक्स: (91)(11) 28034301, 28034302 ई. मेल: delhi-patent@nic.in हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, 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.

(Om Prakash Gupta)
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.201711000300 A

(19) INDIA

(22) Date of filing of Application :03/01/2017

(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD FOR PROCESSING AND PACKAGING OF NATURAL RIVER SAND

(51) International classification	:C04B14/02
(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)JASBIR SINGH

(57) Abstract :

The present invention relates to a process for the filtration and purification of natural river sand. More particularly the present invention relates to a process of removing substantially all the impurities from the natural river sand obtained from the river dumping yard. The present invention further relates to a process for the packaging of purified sand in sand bags. The present invention particularly relates to a system for the processing and packaging of river sand. Moreover the present invention further relates to the system which will help in protecting the atmosphere from pollution.

No. of Pages : 14 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/07/2016
(21) Application No.201617023817 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : RESOURCE MANAGEMENT IN A RADIO COMMUNICATION NETWORK

(51) International classification	:G08G1/123,H04W28/00,G06F17/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/IN2015/050045
Filing Date	:10/06/2015
(87) International Publication No	:WO 2016/199158
(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 a method performed in a communication network 1 comprising a Radio Access Network (RAN) 2 for facilitating resource management in the communication network of signalling relating to vehicles 4 which are connected to the network via the RAN. The method comprises detecting that a connected vehicle is stationary. The method also comprises obtaining location information about in which location the vehicle is stationary. The method also comprises correlating the location information with security information. The method also comprises determining number and type of sensors 5 in the vehicle which connect to the communication network when the vehicle is stationary in the location. The method also comprises allocating network resources to the vehicle based on the determining and on the correlated security information.

No. of Pages : 33 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201611033192 A
(19) INDIA
(22) Date of filing of Application :28/09/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : A SYSTEM AND METHOD FOR PROVIDING LOCATION INFORMATION

(51) International classification :H04W64/00
(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)TRIVEDI, KONARK

(57) Abstract :
The present disclosure envisages a system for providing location information which comprises a plurality of user devices and a server. Each of the user devices (D1-Dn) includes: a memory, a processor, a positioning module and a clock. The memory stores a set of predetermined rules, mobile data and user data. The processor generates and provides system processing commands. The positioning module provides location coordinates. The clock provides timestamp information. The server includes a unique code generation module and a consolidator module. The unique code generation module generates a unique code based on the mobile data and the location coordinates. The consolidator module generates a consolidated document based on the mobile data, the user data, the user data and the timestamp information.

No. of Pages : 24 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201721004667 A
(19) INDIA
(22) Date of filing of Application :09/02/2017
(43) Publication Date : 24/02/2017

(54) Title of the invention : EXOMISTER - A DEVICE FOR TREATMENT OF COMBUSTION EXHAUST GASES.

(51) International classification :F01N3/20,Â B01D53/94,
(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)JAVID RASUL SAYYED

(57) Abstract :
The present invention pertains to treatment of combustion exhaust gases. The present invention more specifically reduces the contaminants of the exhaust gases by performing a chemical reaction of exhaust gases along with vaporised alkaline solution. Said contaminants of the exhaust gases are predominantly particulate matter, oxides of nitrogen, oxides of carbon, oxides of sulphur, unburnt hydrocarbons and any other solid particle pollutants whose emission levels are reduced. The said invention makes use of 10% caustic soda aqueous solution as an alkaline medium. The said invention discourages usage of ammonia for the said alkaline solution. The present invention also details about a device exomister which is illustrated in the said invention and validated through physical testing on a commercial vehicle exhaust gas. The vaporisation of the said alkaline solution is made effective by not limited to ultrasonic mist maker, electro-thermal vaporiser, thermal vaporiser and any other vaporising or mist generating device. The scope of present invention also includes ways to introduce vaporised alkaline solution into the stream of exhaust gases. Said invention also mentions to make the mixture of vaporised alkaline solution and exhaust gases to pass through a series of baffles and screens so as to maximise the reaction efficiency. The present invention through physical testing claims to reduce the exhaust gas contaminants by 60-70% and release cleaner air into atmosphere. The device explained in the said invention, the said exomister is a ready to install device for all newer or older fuel combustion vehicles and fuel combusting units. The said device helps in reduction of smog formation and greenhouse gases. The said invention shows distinct and unique benefits towards creating a cleaner environment by reducing the air pollution, and shows a patronage towards Climate Change

No. of Pages : 28 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201721004818 A
(19) INDIA
(22) Date of filing of Application :10/02/2017
(43) Publication Date : 24/02/2017

(54) Title of the invention : MOTOR/BIKE WHEEL DRIVEN DISC TYPE BALL MILL MACHINE FOR GRINDING OF ELECTRODE MATERIAL OF ELECTROCHEMICAL STORAGE DEVICES.

(51) International classification :B02C17/16,Â B02C17/00
(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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6)VISHVANDER SINGH

(57) Abstract :
The ball milling machine is essential for manufacturing of some electrical component Electrical Engineering, Also, it is required in mechanical as well as in Chemical industries. The available particle size of carbon material may not be suitable for manufacturing of components. The particle size reduction of material is an important step in many technological applications. For electrical industries, the ball milling operation is required to grind activated carbon in manufacturing of brushes for electrical machines, lightening arrestor, and contact terminals of switchgears etc. Thus, the process of particle size reduction is performed to reduce size and shape of particle, to increase the surface area and to induce defects in solids which is needed for subsequent operations such as chemical reactions, sorption etc. The ball milling machine operation should comprises three types of motions to get required particle size in optimum time and these are cascading, falling or cataracting and centrifugal forces. Hence in present invention, effort has been done to involve the above three types of motions. The innovated ball mill unit is fitted on wheel of motor cycle and used to crush the material. The developed ball milling unit will have applications in esearch laboratory as it is possible to ball mill small quantity of material. But the cost ball milling is nil and no maintenance is required.

No. of Pages : 9 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201621045074 A
(19) INDIA
(22) Date of filing of Application :30/12/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : A UNIQUE METHOD TO CONNECT THE COMMON MAN WITH FAMOUS TALENT OF DISTINCT FIELDS OVER VIDEO CALL USING AN ADVANCED MOBILE APPLICATION.

(51) International classification	:H04N7/14,Â H04W4/12,Â H04L29/12
(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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2)ABHISHEK SINHA
(72)**Name of Inventor :**
1)TUSHAR LAXMICHAND GOGRI

(57) Abstract :
The present invention relates generally to a unique method to connect any person with the talents of distinct fields over video call through an advanced mobile application; wherein by using the mobile application of the said invention common man can browse their favorite talents" availability and schedule a video call with them. With the help of advance mobile applications, any person (user) can easily choose their choice of talents from different categories of distinct fields like Movie, Sports, Business, Politics, etc. and can easily schedule a video call with them. This allows any person (user) to get connected with their ideal person in life and famous talent to interact with their fans, share personal stories with them and promote their products, causes and initiatives. Also, the talents can give rating to respective common man (user) based on their video call experience like which user tells the funniest stories or gives the best advice etc. This invention also serves as the best way of sharing exclusive content like birthday, anniversary, compliments, motivation, etc. wishes with most engaged fans. In the advanced mobile application of the said invention a facility to save and share epic video calls with followers on social networking sites like Facebook, Twitter, Youtube, Vimeo, Instagram, etc. is also provided the connected person (user) and the talent.

No. of Pages : 28 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/07/2016
(21) Application No.201621024080 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : AUTOMATIC BIKE FALL DETECTION SYSTEM

(51) International classification :H04W76/02,Â H04M1/725,Â H04W4/22
(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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1)Khurram Shaikh
2)Malaviya Manish
3)Ankush Pawar

(57) Abstract :
The present invention describes a system of automatic bike fall detection comprises of a stationary device mounted on the bike containing a beacon, an accelerometer, a gyroscope sensor, a microcontroller, a mobile handset containing the mobile application, a means for initiating the exchange of information and a communication system. The mobile handset automatically connects to the BLE (Bluetooth low energy) enabled stationary device via Bluetooth when it is in the range with the stationary device and the GPS facility enables the user to calculate the speed at which the bike is travelling. When the speed of the bike reaches the set threshold limit, the information exchange starts between the stationary device and the mobile handset. When the angle of the bike decreases beyond a pre-set value and acceleration equals the set threshold, the emergency notification is sent to the pre-set emergency contacts from the mobile application.

No. of Pages : 12 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201721005196 A
(19) INDIA
(22) Date of filing of Application :14/02/2017
(43) Publication Date : 24/02/2017

(54) Title of the invention : ZNCL2-UREA MEDIATED OXIDATION OF SULFIDE COMPOUNDS.

(51) International classification :A61P39/06,Â A61P33/06,Â A61P3/06
(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)WAGH RAVINDRA BUDHA
3)MORE SNEHAL BABAN
(72)**Name of Inventor :**
1)GADE JAYA VASANT
2)WAGH RAVINDRA BUDHA
3)MORE SNEHAL BABAN

(57) Abstract :
Present invention gives simple, highly efficient method for the oxidation of sulfide compounds. Various sulfides were selectively and completely converted into their corresponding sulfoxides and sulfones using ZnCb-Urea with H2O2 in presence of acetonitrile as a solvent at 25-90 Â°C temperature for 0.5-24 h. This method offers selective oxidation to sulfoxide and sulfone. Recovery and recycling of ZnCb-Urea was achieved in this protocol. This synthetic method is environmentally clean and safe, operationally simple for the oxidation of sulfide compounds.

No. of Pages : 7 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201721005324 A
(19) INDIA
(22) Date of filing of Application :15/02/2017
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHODS AND SYSTEMS FOR DATA RATE BASED PERIPHERAL SECURITY

(51) International classification :G06F3/02,Â G06F21/85
(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. ABHISHEK RAWAT
2)DR. DIPANKAR DEB
3)MRS. VIDHI RAWAT
4)DHAVAL D JOSHI

(57) Abstract :
Abstract The present invention is use for an authorization or recognition function. The present invention is directed to a security arrangement and method for monitoring the inside/outside entry of secured peripheral area. This invention relates to a peripheral, often portable, device (as well as the methods employed by such a peripheral device, and systems including such a peripheral device and a host central command device with which the local geographical command device communicates) that can communicate with a central host device to enable one or more security operations to be performed by the peripheral device. The data rates and signal formats are updated at regular predefined time period which enable more security to the present invented system. The present invention is mainly used to provide alerts with extra security to protect unauthentic entry in large scale areas which may be Defence camps, Civilian applications like large size bungalows, Institutes and organization.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201721003999 A
(19) INDIA
(22) Date of filing of Application :03/02/2017
(43) Publication Date : 24/02/2017

(54) Title of the invention : DESIGN AND MODEL TO IDENTIFY MILK POWDER ADULTERATION USING MICROSTRIP ANTENNA.

(51) International classification :G01N33/04,Â G01N21/27
(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)MOMIN ADNAN ANIS
2)RAHUL B. KHADASE

(57) Abstract :
The rectangular microstrip antenna sensor for identification of adulteration in milk powder comprising of a dielectric substrate and a ground plane at the bottom and a meandered radiating element at the top with the milk powder container assembly. The meandered radiating element is shorted to the ground plane with the rectangular shorting post. The radiating element is directly feed by using coaxial feeding technique. The milk powder container assembly has a cuboid shaped glass container in which the milk powder to be tested is poured. The non-adulterated milk powder makes the microstrip antenna to radiate at a specific resonant frequency. When the milk powder is adulterated its dielectric constant changes and the adulterated milk powder makes the microstrip antenna to radiate at some other resonant frequency. The microstrip antenna sensor shows a shift in its resonant frequency when the non-adulterated milk powder sample is replaced by the adulterated milk powder sample. The relative permittivity i.e. the dielectric constant of the milk powder sample and the resonant frequency of the antenna has inversely proportional relation. Thus the microstrip antenna sensor identifies whether the milk powder sample is adulterated or not adulterated from the shift in resonant frequency experienced by it.

No. of Pages : 10 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201721004256 A
(19) INDIA
(22) Date of filing of Application :06/02/2017
(43) Publication Date : 24/02/2017

(54) Title of the invention : AC COMPRESSOR OPERATION OF PETROLEUM POWERED AUTOMOBILES WITH GREEN ENERGY GENERATED DURING THEIR MOVEMENT.

(51) International classification :B60K3/00
(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)JAI SHANKAR SINGH
2)RAJENDRA SINGH GAHLOT
3)JITENDRA JATAV
4)JAGDISH PRASAD

(57) Abstract :
The present invention relates to operation of the AC compressor of petroleum powered automobiles by using the electricity generated with air impact during their movement. Electricity generation is achieved through installation of an alternator on top of the vehicle and attaching selected fan with angular blades on its shaft. During movement of vehicles, the air impact on the blades results into rotation of the alternator and generation of electricity which recharges the storage battery. The battery powers a PJV1DC Motor which operates the AC compressor for air conditioning of the automobile cabin. Thus, the innovation makes it possible to run a vehicle AC compressor which requires substantial energy for its operation. The innovation has potential to increase the efficiency of petroleum/ battery driven automobiles without perceptible drag impact. Adoption of the innovation will also be useful to the railways through meeting the electrical needs of train coaches. The generation of electricity with a renewable source and its use helps in reduction of fuel consumption by automobiles/ trains and so the innovation provides huge economic and environmental benefits.

No. of Pages : 11 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/12/2016
(21) Application No.201621044219 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD OF ROI EXTRACTION FOR PALMPRINT

(51) International classification	:G06K9/32,Â G06K9/62,Â G06K9/00
(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)Prof. Dr. Jayantrao Bhaurao Patil
(72)**Name of Inventor :**
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(57) Abstract :
In palmprint based authentication, extraction of Region of Interest is very crucial but important task in order to increase the performance of the system. The present invention provides simplest, fastest and accurate ROI extraction method for Palmprint. This invention gives a new approach to extract ROI of palmprint. The proposed method extracts ROI using horizontal offset distance between center of original image and centroid of binary image of palmprint. This method is tested on CASIA PalmprintV1, PolyU database and COEP palmprint database.Â Proposed method extracts ROI of palmprint with the accuracy of 100%. Following invention is described in detail with the help of figures 1 to 8 on sheet no. 1 to 4 shows experimental results on CASIA PalmprintV1 database image which gives the details descriptions of steps of invented methodology.

No. of Pages : 25 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201621014801 A
(19) INDIA
(22) Date of filing of Application :28/04/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : UPDATE OF PAEDIATRIC CASE HISTORY PROFORMA AND EXAMINATION FOR BETTER APPROACH FOR DIAGNOSIS OF CHILHOOD ILLNESS

(51) International classification :G06F19/00
(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)DR. LIZA BULSARA

(57) Abstract :
Update of Paediatric case history proforma and examination for better standard protocol for diagnosis of childhood illness. Person to person variation for protocol of childhood diagnosis of a Paediatric patient. The dire need of standard protocol in Paediatric case proforma, we have designed "Paediatric case proforma"

No. of Pages : 6 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201621014802 A
(19) INDIA
(22) Date of filing of Application :28/04/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : PRACTICE OF RELIGIOUS BLACK THREAD AROUND WAIST IN CHILDREN: A NOVEL DIAGNOSTIC TOOL & EARLY PREDICTOR OF UNDERWEIGHT AND OVERWEIGHT CHILD

(51) International classification	:A63B 69/00
(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. SUNIL NATHA MHASKE
2)DR. LIZA BULSARA

(57) Abstract :
Practice of Religious Black Thread around waist in children : A Novel diagnostic tool & early predictor of underweight and overweight child. A very common practice in Maharashtra and Tamilnadu, it is tied around waist. The scientific purpose of the thread is indicator of nutrition. Malnutrition/ Over nutrition can be predicted with the simple, affordable, assessable beneficial black thread. With such a simple step, we are trying to curb down mortality and morbidity in INDIA due to Nutrition disorders.

No. of Pages : 9 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201621014806 A
(19) INDIA
(22) Date of filing of Application :28/04/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : UPDATE OF NEONATAL CASE HISTORY PROFORMA AND EXAMINATION FOR BETTER APPROACH FOR DIAGNOSIS OF CHILDHOOD ILLNESS

(51) International classification :G06F19/20
(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)DR. LIZA BULSARA

(57) Abstract :
Update of Neoanatal case history proforma and examination for better standard protocol for diagnosis of childhood illness.Person to person variation for protocol of NICU. The dire need of standard protocol in Neonatal case proforma, have designed " Case proforma for NICU"

No. of Pages : 6 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201621036640 A
(19) INDIA
(22) Date of filing of Application :26/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : AN INSTRUMENT FOR MUSIC INITIATED LIGHTING DECORATIONS

(51) International classification	:B41J29/38	(71)**Name of Applicant :**
(31) Priority Document No	:NA	**1)NIVRUTTI SHIVARAM PATIL**
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(33) Name of priority country	:NA	AJARA, DIST.: KOLHAPUR-416220, MAHARASHTRA,
(86) International Application No	:NA	INDIA. Maharashtra India
Filing Date	:NA	(72)**Name of Inventor :**
(87) International Publication No	: NA	**1)NIVRUTTI SHIVARAM PATIL**
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
Described herein in> the present invention an instrument for the music initiated lighting decorations. The instrument provided by the present invention is initiated by any type of sound input and then controls the decoration consisting of thousands and thousands of colored light bulbs arranged in artistic manner according to the tune and rhythm of the sound input and gives eye-pleasing performance in tandem with the music input.

No. of Pages : 13 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/10/2016
(21) Application No.201621034872 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : PISTON RING COMPRESSOR CUM INSERTION TOOL

(51) International classification :B21D11/18
(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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6)Suraj Sambha Chounde
7)Sunetra Dev Chowdhury
8)Sunetra Dev Chowdhury
9)Abhinav Manoj Sundare
10)Abhinav Manoj Sundare

(57) Abstract :
Piston ring compressor cum insertion tool can not only be used for compression of piston rings but also for insertion of piston inside the cylinder block, these operations are carried out simultaneously. Due to which time required for piston rings compression and insertion of piston in cylinder block is minimized. This results in increased efficiency of the production.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201741004864 A
(19) INDIA
(22) Date of filing of Application :10/02/2017
(43) Publication Date : 24/02/2017

(54) Title of the invention : A NOVEL METHOD FOR IDENTIFICATION OF BIOMARKERS FOR GENETIC DIAGNOSIS OF CARDIOVASCULAR DISEASES

(51) International classification	:A61K 31/00
(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)AVINASH RAMANI

(57) Abstract :
Abstract: Non-communicable diseases including cancer and Cardiovascular Diseases (CVDs) accounts for nearly 63% of all deaths in India of which CVDs, chiefly Coronary Artery Disease (CAD) and Myocardial Infarction (Ml) accounts for nearly 30% of all deaths. Cardiovascular diseases such as Myocardial Infarction and sudden Cardiac Arrest are amongst the top five leading cause of mortality amongst Asian Indians. Moreover, It is a well documented fact that Asian Indians have considerably higher risk and mortality rates for premature Coronary Artery Disease(CAD) and Myocardial Infarction (Ml) than other global population, withseveral studies point to the fact that Asian Indians have considerably higher risk and prevalence of premature Coronary Artery Disease (CAD) and higher mortality rates for CAD than other races.Genetic screening for suspected condition can help determine a person"s chance of developing or passing on a genetic disorder. Thus, a comprehensive, low-cost genetic screening method for suspected CVD condition can help prevention of chronic disability and/ or sudden deaths.Our unique cardiovascular diseases (CVD) screening panel comprises of mutations which are essentially responsible for majority of Cardiovascular pathologies including, arterial and venous thrombosis, arthrosclerosis, premature myocardial infarction and stroke.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201741004866 A
(19) INDIA
(22) Date of filing of Application :10/02/2017
(43) Publication Date : 24/02/2017

(54) Title of the invention : APNEA INHIBITION AND INTERRUPTION APPARATUS

(51) International classification	:A61B 5/00	
(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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3)Sidharth S
(72)**Name of Inventor :**
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2)Sreedeep Menon V P
3)Joshua Kochuthundiyil Mathew
4)Sidharth S

(57) Abstract :
Title: Apnea Inhibition and Interruption Apparatus. An apnea inhibition and interruption apparatus is disclosed. Said apparatus features two actuators, wherein the actuators are configured to operate independently of each other. The first actuator (1) is configured to provide stochastic resonance pulses to the neonate if the oxygen saturation level falls below 92%, whereas the second actuator (2) provides tactile pulses if the oxygen saturation level falls below 85%. The operations of the actuators is controlled by a processing unit based on input from relevant sensors connected to neonate"s body. FIG.1

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.6683/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :12/12/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : A system and method to provide a dynamic Smart Storage System

(51) International classification :A47G 1/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT//
Filing Date :01/01/1900
(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 :
A computer implemented system and method to facilitate huge data such as photographs, certificates, property documents, will documents, fixed deposit certificates and the like in a safe secured environment and easy accessible and retrievable option to an appointed nominee. More particularly, present invention relates to a method for accessing an on-line storage system that enables a subscriber the abilities to create file media, upload, retrieve, and distribute or sharing purposes.

No. of Pages : 17 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201741004576 A
(19) INDIA
(22) Date of filing of Application :08/02/2017
(43) Publication Date : 24/02/2017

(54) Title of the invention : OPTIMIZED NUTRIET SALT COMPOSITION

(51) International classification :A23L1/237
(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)Kocherry Paulose Thomson Jolly
(72)**Name of Inventor :**
1)Vadakkemuri Mathew Jolly
2)Kochery Paul Thomson
3)Kocherry Paulose Thomson Jolly

(57) Abstract :
he invention relates to an optimized nutrient salt composition comprising elemental sodium and potassium in the ratio of 1:1.5 to 1:7 preferably 1:3 and elemental potassium to chloride in the ratio of 1:1 to 1:1.5 and method of preparing the same. Said composition can be optionally added with a) salts of calcium and, or magnesium as taste stabilizers, b) carbohydrate like polysaccharide, oligosaccharide, disaccharide, monosaccharide to produce energy electrolyte powder, c) food additives selected from anti-caking agents, crystal modifying agents, flavoring agents, flavor modifying agents, coloring agents and or any other food additives and d) nutrients selected from proteins, amino acids, carbohydrates, sugars, fat/oil, fatty acids, vitamins, minerals and water. Said optimized nutrient salt composition can be used as food, food ingredient, food supplement, table salt, preservative, food additive, seasoning agent and ingredient for oral rehydration fluid, intravenous fluids, beverages, energy drinks, sports/study drinks and stimulant drinks for humans, pets and livestock and for plant nutrition.

No. of Pages : 54 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201741004803 A
(19) INDIA
(22) Date of filing of Application :10/02/2017
(43) Publication Date : 24/02/2017

(54) Title of the invention : ECO BOARD

(51) International classification	:G06Q 10/00
(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)K JAYAKRISHNA
2)CHERIAN THOMAS KAPPEN

(57) Abstract :
Pollution is an ever growing problem for the world around us. A major contributor to it is the solid waste produced by the people living in it. Lot of these wastes, without any other place to go, get dumped in landfills or get incinerated. Both of these actions cause terrible adverse effects on the environment. The Eco Board is made up of biodegradable materials that help reduce the effects of such adversity. The Eco Board was made under the idea of being environmentally conscious and sustainability. The idea of the Eco Board enables the youngsters, who are the major consumers of this product, to be aware about the problems associated with degradation of the environment. We cannot change the people, for they have to change for themselves. Our vision is to promote this awareness at a young age itself so that they too will grow with a sense of care for the environment. This is the vision with the Eco Board.

No. of Pages : 5 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201741005326 A
(19) INDIA
(22) Date of filing of Application :15/02/2017
(43) Publication Date : 24/02/2017

(54) Title of the invention : DRY SLIDING WEAR BEHAVIOR OF FLY ASH PARTICULES REINFORCED ALUMINIUM ALLOY COMPOSITES FOR GEAR APPLICATIONS

(51) International classification	:C22C 32/00	
(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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3)M. PRABU
4)N.SHIVASANKARAN
5)A.V.BALAN

(57) Abstract :
1. The Fabrication of fly ash powder reinforced aluminium alloy composites for gear using casting technique. 2. Aluminium alloy composites content is (AA8011 as base matrix and 4% fly ash powder as reinforcement). 3. Dry sliding wear test is carried out on proposed fly ash powder reinforced aluminium alloy composites as in claim 1 using 20 specimen tester. 4. The reinforced aluminium alloy composite material is tested and the results for wear resistance are obtained as sliding wear rate for operating parameter such as sliding velocity ,tirrie and load 5. The dry sliding wear behavior of AA 8011-4 % fly ash is nonlinear;

No. of Pages : 6 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201741005327 A
(19) INDIA
(22) Date of filing of Application :15/02/2017
(43) Publication Date : 24/02/2017

(54) Title of the invention : FABRICATED PISTON WITH FLY ASH PARTICULARS REINFORCED ALUMINIUM ALLOY COMPOSITES

(51) International classification	:C22C 32/00	
(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)P. SENTHILKUMAR
3)M. ANBALAKAN
4)N. VIVEK
5)M. KARTHICK

(57) Abstract :
The Fabrication of 12% fly ash powder reinforced aluminium alloy composites for piston Aluminium alloy composites content is (AA8011 as base matrix and 12% fly ash powder as reinforcement). wear test is carried out on proposed fly ash powder reinforced aluminium alloy composites as in claim 1 using 20 specimen tester. The reinforced aluminium alloy composite material is tested and the results for wear resistance are obtained as sliding wear rate for operating parameter such as sliding velocity .time and load. The dry sliding wear behavior of AA 8011-12 % fly ash is nonlinear.

No. of Pages : 8 No. of Claims : 5

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.201617034977 A

(19) INDIA

(22) Date of filing of Application :13/10/2016

(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD FOR PRODUCING BIPHENYLAMINES FROM ANILIDES BY RUTHENIUM CATALYSIS

(51) International classification	:C07C231/12,C07C233/15,C07C233/25
(31) Priority Document No	:14166058.9
(32) Priority Date	:25/04/2014
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2015/058636
Filing Date	:22/04/2015
(87) International Publication No	:WO 2015/162144
(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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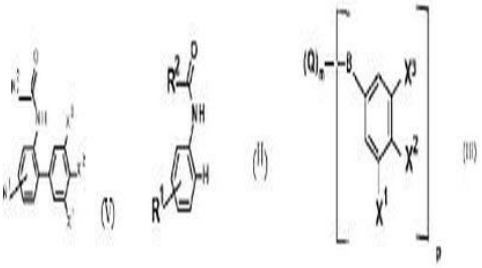
2)RODEFELD Lars

3)HUBRICH Jonathan

4)ACKERMANN Lutz

(57) Abstract :

The invention relates to a novel method for producing substituted biphenylamides of general formula (V) characterized in that anilides of formula (II) are reacted in a solvent which is different from tetrahydrofuran having an organoboron compound of formula (III) in the presence of a catalyst system consisting of a ruthenium catalyst an activation agent an oxidation agent and a metal triflate.



No. of Pages : 27 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617034994 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD SYSTEM AND DEVICE FOR DETECTING A SILENCE PERIOD STATUS IN A USER EQUIPMENT

(51) International classification :H04W72/04
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2014/059415
Filing Date :08/05/2014
(87) International Publication No :WO 2015/169362
(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)FARONIUS Carola
3)AHMED Saad Naveed

(57) Abstract :
A method system and device for detecting a SILENCE period status 200A in a first device 101. The detection is performed by a second device 102 that is in communication with the first device receiving transmissions of the first device. The SILENCE period status corresponds to a status wherein the first device has no speech samples to be transmitted towards the second apparatus. The second device receives 413 transmissions from the first device and determines 414A 414B 414C the type of the received transmissions. The second device counts 415 the number of received transmissions of a first type and times a time interval between the last received transmission of the first type and the last received transmission of a second determined type. At reception of a transmission of the first type the second device detects 416 whether the first device is in the SILENCE period status 420 on an evaluation 416 of the counted number of transmissions of the first type and the time interval of the last received transmission of the first type and the last received transmission of the second type based on thresholds with a logical expression.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617034996 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : BORON BRIDGED METALLOCENE CATALYST SYSTEMS AND POLYMERS PRODUCED THEREFROM

(51) International classification :C08F110/02,C08F4/6592,C08F4/02
(31) Priority Document No :14/255076
(32) Priority Date :17/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/026294
Filing Date :17/04/2015
(87) International Publication No :WO 2015/161150
(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)YANG Qing
3)CRAIN Tony R

(57) Abstract :
Disclosed herein are catalyst compositions containing boron bridged cyclopentadienyl indenyl metallocene compounds with an alkenyl substituent. These catalyst compositions can be used for the polymerization of olefins. For example ethylene homopolymers produced using these catalyst compositions can be characterized by a density less than 0.97 g/cm and a melt index greater than 50 g/10 min.

No. of Pages : 69 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617034997 A
(19) INDIA
(22) Date of filing of Application :13/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : SURGICAL FASTENER CARTRIDGES WITH DRIVER STABILIZING ARRANGEMENTS

(51) International classification :A61B17/072
(31) Priority Document No :61/980332
(32) Priority Date :16/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/025644
Filing Date :14/04/2015
(87) International Publication No :WO 2015/160732
(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)SCHELLIN Emily A.
3)HUEIL Geoffrey C.
4)SHELTON IV Frederick E.

(57) Abstract :
A fastener cartridge for use with a surgical instrument. The cartridge may include a cartridge body that has a series of staple pockets therein. A driver is movably supported in each staple pocket and is configured to operably support at least one surgical staple thereon. In one arrangement at least some of the drivers may be formed with one or more laterally extending features that are configured to be received in correspondingly shaped grooves in the cartridge body to provide lateral support to the driver as it is operably moved within the staple pocket. In other arrangements at least one inwardly extending features is formed in the inner wall surface of the pocket and is configured to be movably supported within correspondingly shaped groove in the driver.

No. of Pages : 127 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617035002 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : NON LINEAR PROPAGATION IMPAIRMENT EQUALISATION

(51) International classification :H04B10/2507,H04B10/2513,H04B10/2531
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2014/059646
Filing Date :12/05/2014
(87) International Publication No :WO 2015/172808
(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)MAGRI Roberto
2)FORESTIERI Enrico
3)SECONDINI Marco
4)MARSELLA Domenico

(57) Abstract :
A method (10) of non linear propagation impairment equalisation the method comprising the steps of: a. receiving (12) communications traffic carried by an optical communications signal transmitted over an optical communications link; b. generating (14) a time dependent filter representation of a nonlinear time variant impulse response of the inverse of the optical communications link; and c. applying (16) the time dependent filter representation to the received communications traffic to form non linear propagation impairment equalised communications traffic. An optical communications link nonlinear propagation impairment equaliser and optical communications signal receiver apparatus are also provided.

No. of Pages : 34 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/10/2016
(21) Application No.201617034863 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : SURGE PROTECTION DEVICE COMPRISING AT LEAST ONE SURGE ARRESTER AND ONE SHORT CIRCUIT SWITCHING DEVICE WHICH IS CONNECTED IN PARALLEL WITH THE SURGE ARRESTER CAN BE THERMALLY TRIPPED AND IS SPRING PRETENSIONED

(51) International classification :H01H37/76,H01T1/14,H01C7/12
(31) Priority Document No :20 2014 002 496.0
(32) Priority Date :20/03/2014
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2015/053038
Filing Date :13/02/2015
(87) International Publication No :WO 2015/139893
(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)HIRSCHMANN Helmut
2)WITTMANN Georg
3)ZÃ„UNER Edmund

(57) Abstract :
The invention relates to a surge protection device comprising at least one surge arrester and one short circuit switching device which is connected in parallel with the surge arrester can be thermally tripped and is spring pretensioned wherein the abovementioned means form one physical unit. The thermal tripping means is arranged in the region where heating of the surge arrester is expected when it is overloaded and operating or surge current does not flow through said thermal tripping means. The thermal tripping means is in the form of a stop part which releases an unlocking slide of the switching device in the event of thermal overload. The switching device has two opposite contact pieces wherein at least one of the contacts is of moveable design and is under spring pretension in the closing direction of the switching device. The opening state of the switching device is ensured by the unlocking slide and is released by the thermal tripping means for closing the switching device.

No. of Pages : 9 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/10/2016
(21) Application No.201617034864 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : HUMANIZED ANTIBODIES AGAINST CD269 (BCMA)

(51) International classification :C07K16/28,A61K39/00
(31) Priority Document No :14166729.5
(32) Priority Date :30/04/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/059562
Filing Date :30/04/2015
(87) International Publication No :WO 2015/166073
(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)ODEN Felix
2)MARINO Stephen
3)DAUMKE Oliver

(57) Abstract :
The invention relates to humanized antibodies or antibody fragments that bind CD269 (BCMA) thereby disrupting the interaction between CD269 and its native ligands (BAFF and APRIL) and their use in the treatment of plasma cell mediated diseases such as multiple myeloma and autoimmune diseases.

No. of Pages : 58 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/10/2016
(21) Application No.201617034866 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : ROD GUIDE SYSTEM AND METHOD WITH MULTIPLE SOLENOID VALVE CARTRIDGES AND MULTIPLE PRESSURE REGULATED VALVE ASSEMBLIES

(51) International classification :F16F9/516,F16F9/34
(31) Priority Document No :62/011736
(32) Priority Date :13/06/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/035568
Filing Date :12/06/2015
(87) International Publication No :WO 2015/192006
(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)ROESSLE Matthew L.

(57) Abstract :
The present disclosure relates to a shock absorber having a pressure tube forming a pressure chamber. A piston rod is disposed within the pressure chamber. A reserve tube defines a reserve chamber adjacent the pressure tube. A rod guide assembly is concentrically disposed about the piston rod and the pressure chamber and houses a plurality of digital valves. Each one of the digital valves includes a component which is moveable between an open state and a closed state and thus helps to control a fluid flow between the pressure chamber and the reserve chamber. An electronic control system is disposed on a printed circuit board assembly (PCBA) and controls actuation of the digital valves. At least one additional valve is associated with one of the digital valves for further controlling a flow of fluid between the pressure chamber and the reserve chamber.

No. of Pages : 39 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016

(21) Application No.201617034876 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : FASTENER CARTRIDGE COMPRISING DEPLOYABLE TISSUE ENGAGING MEMBERS

(51) International classification :A61B17/072
(31) Priority Document No :61/980276
(32) Priority Date :16/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/025852
Filing Date :15/04/2015
(87) International Publication No :WO 2015/160876
(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)HOUSER Kevin L.

(57) Abstract :
A fastener cartridge can comprise a cartridge body including a plurality of cavities arranged in longitudinal rows. Some of the cavities can have fasteners removably stored therein. Other cavities can have deployable tissue engaging members stored therein which are movable from an undeployed position to a deployed position to engage tissue. In some instances the fastener cartridge can include at least one longitudinal row of cavities which each include a deployable tissue engaging member. Such rows of cavities can comprise the outer most rows of cavities in the fastener cartridge.

No. of Pages : 80 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617034877 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : FASTENER CARTRIDGE COMPRISING TISSUE CONTROL FEATURES

(51) International classification :A61B17/072
(31) Priority Document No :61/980281
(32) Priority Date :16/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/025855
Filing Date :15/04/2015
(87) International Publication No :WO 2015/160877
(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 :
A fastener cartridge can include one a cartridge body comprising a deck and a plurality of fastener cavities and two a plurality of fasteners positioned in the fastener cavities. The deck can comprise features for controlling the flow of tissue relative thereto. In some instances the features can support the fasteners as they are ejected from the fastener cavities.

No. of Pages : 80 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035484 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : SYSTEM AND METHOD FOR GENERATING FLAME EFFECT

(51) International classification :F23N5/08,F23D14/38,F23D17/00
(31) Priority Document No :14/258981
(32) Priority Date :22/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/024991
Filing Date :08/04/2015
(87) International Publication No :WO 2015/164081
(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)CLARK Benjamin Robert

(57) Abstract :
System and method for generating a flame effect. An embodiment includes a nozzle assembly with an outer nozzle and an inner nozzle. At least a portion of the inner nozzle is nested within at least a portion of the outer nozzle. The system also includes a fuel source with two or more separate types of fuel.

No. of Pages : 27 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035487 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : IGF 1R ANTIBODY AND ITS USE AS ADDRESSING VEHICLE FOR THE TREATMENT OF CANCER

(51) International classification :C07K16/28
(31) Priority Document No :61/984160
(32) Priority Date :25/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2015/059050
Filing Date :27/04/2015
(87) International Publication No :WO 2015/162292
(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)BROUSSAS Matthieu
3)BEAU LARVOR Charlotte
4)CHAMPION Thierry
5)ROBERT Alain

(57) Abstract :
The present invention relates to an antibody in particular a monoclonal antibody capable of binding to IGF 1R as well as the amino and nucleic acid sequences coding for said antibody. From one aspect the invention relates to an antibody or an antigen binding fragment thereof capable of binding to IGF 1R and by inducing internalization of IGF 1R being internalized into the cell. The invention also comprises the use of said antibody as an addressing product or vehicle in conjugation with other anti cancer compounds such as toxins radio elements or drugs and the use of same for the treatment of certain cancers.

No. of Pages : 101 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035488 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : IGF 1R ANTIBODY DRUG CONJUGATE AND ITS USE FOR THE TREATMENT OF CANCER

(51) International classification :A61K47/48,A61P35/00
(31) Priority Document No :14305620.8
(32) Priority Date :25/04/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/059045
Filing Date :27/04/2015
(87) International Publication No :WO 2015/162291
(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)HAEUW Jean FranÃ§ois
7)CHAMPION Thierry
8)ROBERT Alain

(57) Abstract :
The present invention relates to an antibody drug conjugate capable of binding IGF 1R. From one aspect the invention relates to an antibody drug conjugate comprising an antibody capable of binding to IGF 1R said antibody being conjugated to at least one drug selected from derivatives of dolastatin 10 and auristatins. The invention also comprises method of treatment and the use of said antibody drug conjugate for the treatment of cancer.

No. of Pages : 192 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035493 A
(19) INDIA
(22) Date of filing of Application :17/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : IMPROVED SPRAY DRYING PROCESS FOR PRODUCTION OF POWDERS WITH ENHANCED PROPERTIES

(51) International classification :B01J2/04,B01D1/18
(31) Priority Document No :107568
(32) Priority Date :31/03/2014
(33) Name of priority country :Portugal
(86) International Application No :PCT/GB2015/050963
Filing Date :30/03/2015
(87) International Publication No :WO 2015/150763
(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)GASPAR Filipe
3)TEMTEM Marcio

(57) Abstract :
An improved spray drying method for production of amorphous solid dispersions with enhanced bulk density and material attributes comprising the introduction of at least one additional stream in at least one of multiple locations in a spray dryer without interfering with the spray region.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016

(21) Application No.201617035496 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : LOWER BUMPER STIFFENER AND AUTOMOTIVE VEHICLE THEREOF

(51) International classification :B60R21/34,B60R19/18
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2014/000348
Filing Date :28/03/2014
(87) International Publication No :WO 2015/143579
(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)SUN Wanfeng
3)HE Steven
4)CHEN Chris
5)ZHOU Kevin

(57) Abstract :
A lower bumper stiffener (1) and an automobile vehicle thereof are provided. The lower bumper stiffener (1) which comprises a front section (2) a base plate (6) and longitudinal ribs (8) has sufficient stiffness meanwhile the lower bumper stiffener (1) is cost efficient and reduced in weight.

No. of Pages : 25 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035497 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : PP COMPOUNDS WITH HIGH FLOWABILITY AND BALANCED MECHANICAL PROPERTIES

(51) International classification	:C08L23/14,C08L23/12,C08L23/10
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/CN2014/000447
Filing Date	:25/04/2014
(87) International Publication No	:WO 2015/161398
(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)QIANG Weili
4)CHEN Shih Ping

(57) Abstract :
Disclosed is a polypropylene composition (PP) having high flowability and balanced mechanical properties an article comprising said polypropylene composition(PP) as well as the use of said polypropylene composition(PP) for the preparation of a moulded article.

No. of Pages : 52 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035504 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : ANTIBODIES REACTIVE WITH AN EPITOPE LOCATED IN THE N TERMINAL REGION OF MUC5AC COMPRISING CYSTEINE RICH SUBDOMAIN 2 (CYS2)

(51) International classification	:A61K39/00,A61K39/395,A61K51/10
(31) Priority Document No	:62/018989
(32) Priority Date	:30/06/2014
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2015/038252
Filing Date	:29/06/2015
(87) International Publication No	:WO 2016/003869
(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)GOLDENBERG David M.

(57) Abstract :
The present invention concerns compositions and methods of use of antibodies or antibody fragments that bind to an epitope located within the second cysteine rich domain (Cys2 amino acid residues 1575 1725) of MUC5AC. The antibodies bind with high specificity and selectivity to pancreatic cancer and are of use for therapy detection and/or diagnosis of pancreatic cancer. In preferred embodiments therapeutic antibody may be conjugated to at least one therapeutic agent such as Y. Both and detection of pancreatic cancer may be performed with the subject methods and compositions. Specific dosages of radiolabeled antibody and/or gemcitabine of use in human pancreatic cancer patients are disclosed herein.

No. of Pages : 173 No. of Claims : 47

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035253 A
(19) INDIA
(22) Date of filing of Application :14/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : A REAR ARM TRUSS STRUCTURE FOR SCOOTERS

(51) International classification :B62K11/10,B62M7/02
(31) Priority Document No :PCT/TH2014/000009
(32) Priority Date :18/03/2014
(33) Name of priority country :PCT
(86) International Application No :PCT/TH2014/000009
Filing Date :18/03/2014
(87) International Publication No :WO 2015/142296
(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)PROMMA Pakpum
3)YAMAGISHI Kazuki
4)SATO Ryosuke

(57) Abstract :
Problem to be solved: to provide a rear arm structure for a scooter that can be produced using cheaper materials without compromise in strength while enabling the distance between upper and lower portions of the rear arm to be increased without sacrificing strength and increasing weight to thereby enable elevated coupling to a muffler without occlusion of the rear arm from side view thus allowing the aesthetic elements of the rear arm to be prominently displayed. Solution: In a scooter having a scooter frame and an engine unit being swingably coupled thereto where the engine unit has an engine case and a belt converter extending therefrom for supporting a rear wheel on one side of the scooter a rear arm truss structure is positioned on the other side of the scooter and connects between a rear portion of an engine case and an axle of the rear wheel with the scooter further having a muffler extending rearwardly and upwardly. The rear arm truss structure comprises a tubular upper arm having a front end coupled to an rear upper mounting portion of said engine case and a rear end coupled to a rear upper portion of said muffler and a lower arm is located below said upper arm and having a front end coupled to a rear lower mounting portion of said engine case and a rear end coupled to a rear wheel axis supporting portion for supporting said axle of the rear wheel. The tubular truss frame structure connects between said upper arm and said lower arm.

No. of Pages : 12 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035254 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : A DENTIFRICE COMPOSITION

(51) International classification :A61K8/11,A61K8/21,A61Q11/00
(31) Priority Document No :2014901059
(32) Priority Date :25/03/2014
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2015/050133
Filing Date :25/03/2015
(87) International Publication No :WO 2015/143507
(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)MCINTOSH Alexander Ian
3)HILKE Rosi

(57) Abstract :
A dentifrice composition comprises a toothpaste carrier having a pH of about 7 to about 10 and a calcium ion source and a fluoride ion source wherein the calcium ion source is unencapsulated and the fluoride ion source is encapsulated or coated in a coating impermeable to the toothpaste carrier. The coating degrades to release fluoride ions when mechanically agitated by a toothbrush in an oral cavity surface. In a second embodiment the dentifrice composition comprises an aqueous toothpaste carrier having a pH of about 7 to about 10 with an unencapsulated calcium ion source and a fluoride ion source having a pH of between 3 to less than 7 wherein the fluoride ion source is encapsulated in a first (or inner) impermeable coating adapted to degrade to release the fluoride ions in the presence of a toothpaste carrier. The first coating is encased in a second (or outer) impermeable coating adapted to resist degradation in the presence of the toothpaste carrier and to mechanically degrade to expose the first (or inner coating) which degrades to release the fluoride ions in response to application of the dentifrice composition to an oral cavity surface.

No. of Pages : 11 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035267 A
(19) INDIA
(22) Date of filing of Application :14/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : A FILTER GROUP

(51) International classification :B01D29/21,B01D29/96
(31) Priority Document No :RE2014A000051
(32) Priority Date :15/05/2014
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2015/000684
Filing Date :12/05/2015
(87) International Publication No :WO 2015/173624
(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)GIRONDI Giorgio

(57) Abstract :
A filter cartridge (30) comprising a substantially tubular filter wall (33) and a support plate (32) fixed to an end of the filter wall (33) where the support plate (32) comprises a hooking body (34 2120) rising from a surface of the support plate (32) opposite the filter wall (30) and defining a profiled surface (3410 3411;2130 2131) substantially perpendicular to the central axis of the filter wall (33) and defining at least two corners (3412 3413;2132 2133) proximal to the central axis which exhibit different distances from the central axis of the filter wall.

No. of Pages : 23 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617034878 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : FASTENER CARTRIDGE INCLUDING A LAYER ATTACHED THERETO

(51) International classification :A61B17/072
(31) Priority Document No :61/980349
(32) Priority Date :16/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/025857
Filing Date :15/04/2015
(87) International Publication No :WO 2015/160879
(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)ZEINER Mark S.
3)SHELTON Frederick E. IV
4)MORGAN Jerome R.

(57) Abstract :
A fastener cartridge including a cartridge body and a layer mounted to said cartridge body is disclosed. The cartridge body can include projections extending therefrom and the layer can include apertures which correspond to the projections. The projections and the apertures can form a releasable interference fit therebetween to secure the layer to the cartridge body.

No. of Pages : 80 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617034910 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD FOR MANUFACTURING THIN GLASS

(51) International classification :B32B17/02,C03B19/00,C03C3/118
(31) Priority Document No :1453837
(32) Priority Date :28/04/2014
(33) Name of priority country :France
(86) International Application No :PCT/FR2015/051097
Filing Date :22/04/2015
(87) International Publication No :WO 2015/166169
(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)PETIT Pierre Olivier
3)BLANCHARD Benjamin

(57) Abstract :
The invention relates to a method for manufacturing flat glass including the following consecutive steps: (a) applying a layer of a glass frit to a glass fabric the glass of the frit and of the fabric having essentially the same composition; (b) heating the glass fibre so as to bring the layer of glass frit to a temperature T > TL 20 Â°C wherein TL is the Littleton temperature of the glass frit during a time that is long enough for converting the layer of frit into a layer of enamel with the same composition as the glass fabric; and (c) cooling the glass fibre impregnated with the enamel or supporting a layer of enamel obtained in step (b) so as to obtain a sheet of glass. The invention also relates to a sheet of glass which can be obtained by said method.

No. of Pages : 9 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617034914 A
(19) INDIA
(22) Date of filing of Application :13/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : SURGICAL END EFFECTORS WITH FIRING ELEMENT MONITORING ARRANGEMENTS

(51) International classification :A61B17/072
(31) Priority Document No :61/980293
(32) Priority Date :16/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/025646
Filing Date :14/04/2015
(87) International Publication No :WO 2015/160733
(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)HENDERSON Cortney E.
4)SHELTON IV Frederick E.

(57) Abstract :
A surgical end effector including an elongate channel configured to operably support a staple cartridge therein and a firing element configured to move within the elongate channel between a starting and an ending position. Various arrangements include openings through the bottom of the elongate channel to permit viewing of the firing element as it moves between the starting and ending positions. An anvil may be supported for movable travel relative to the elongate channel and include a plurality of openings therethrough to permit viewing of the cutting element as it moves between the starting and ending positions. Various arrangements include a firing bar attached to the firing element that serves to move the firing element between the starting and ending position. The firing bar may be movably supported with a hollow shaft that has a plurality of openings therethrough for monitoring the position of the firing bar.

No. of Pages : 116 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617034930 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : BAG ASSEMBLY FOR CULTIVATION OF CELLS

(51) International classification :C12M1/00,C12M3/06,C12M1/02
(31) Priority Document No :62/003754
(32) Priority Date :28/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2015/059054
Filing Date :27/04/2015
(87) International Publication No :WO 2015/180908
(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)ESTMER NILSSON Camilla
4)FALKMAN Thomas
5)WILEN Anders
6)MILLER Michael
7)STANKOWSKI Ralph

(57) Abstract :
The invention discloses a flexible bag assembly for cultivation of cells comprising one or more bags forming a plurality of cultivation compartments wherein a drain port in at least a first cultivation compartment is adapted to be fluidically connected with a second cultivation compartment upon opening of a valve means. It also discloses a bioreactor with the bag assembly mounted on a rocking tray and a method of cultivating cells in the assembly.

No. of Pages : 14 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617034931 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : BREATHABLE AND CROSSLINKABLE THERMOPLASTIC POLYURETHANE

(51) International classification :C08G18/66,C08G18/68,C08G18/76
(31) Priority Document No :61/983824
(32) Priority Date :24/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/027442
Filing Date :24/04/2015
(87) International Publication No :WO 2015/164695
(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)MAKAL Umit G.

(57) Abstract :
The present invention relates to novel thermoplastic polyurethane (TPU) compositions that contain linear monohydric alcohols. The present invention provides for TPU compositions which may be applied at relatively low temperatures but upon activation (e.g. activation by ultraviolet light) exhibits higher temperature and melt resistance.

No. of Pages : 29 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617035005 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : TREATMENT OF CANCER USING ANTI CD19 CHIMERIC ANTIGEN RECEPTOR

(51) International classification :C12N5/0783,A61K35/17,A61K31/00
(31) Priority Document No :61/976396
(32) Priority Date :07/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/024671
Filing Date :07/04/2015
(87) International Publication No :WO 2015/157252
(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)MAUS Marcela
12)MURPHY Leon
13)MUTHUSAMY Natarajan
14)PORTER David L.
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16)SELLERS William Raj
17)WASIK Mariusz

(57) Abstract :
The invention provides compositions and methods for treating diseases associated with expression of CD19 e.g. by administering a recombinant T cell comprising the CD19 CAR as described herein in combination with a kinase inhibitor e.g. a kinase inhibitor described herein. The invention also provides kits and compositions described herein.

No. of Pages : 313 No. of Claims : 75

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035006 A
(19) INDIA
(22) Date of filing of Application :13/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : STABILIZED FIBRONECTIN BASED SCAFFOLD MOLECULES

(51) International classification :C07K14/78
(31) Priority Document No :61/955975
(32) Priority Date :20/03/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/021466
Filing Date :19/03/2015
(87) International Publication No :WO 2015/143156
(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 :
Provided herein are proteins comprising a fibronectin based scaffold (FBS) domain e.g. Fn3 molecules that bind specifically to a target and wherein the FBS domain is linked at its C terminus to a region consisting of PmXn wherein P is proline X is any amino acid and wherein n is 0 or an integer that is at least 1 and m is an integer that is at least 1 and wherein the PmXn moiety provides an enhanced property to the FBS domain e.g. enhanced stability relative to the protein that is not linked to the PmXn moiety.

No. of Pages : 53 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617035009 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : TRANSGENIC MAIZE EVENT MON 87419 AND METHODS OF USE THEREOF

(51) International classification :A01H5/00,C12N15/82,C12N5/04
(31) Priority Document No :61/968342
(32) Priority Date :20/03/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/019663
Filing Date :10/03/2015
(87) International Publication No :WO 2015/142571
(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 Jintai
4)MCCANN Melinda C.
5)SHAO Aihua
6)SPARKS Oscar C.
7)STOECKER Martin A.
8)WEI Liping

(57) Abstract :
The invention provides recombinant DNA molecules that are unique to the maize MON 87419 event and transgenic maize plants plant parts seeds cells and agricultural products containing the MON 87419 event as well as methods of using and detecting the maize MON 87419 event. Transgenic maize plants containing the MON 87419 event exhibit tolerance to dicamba and glufosinate herbicides.

No. of Pages : 35 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035010 A
(19) INDIA
(22) Date of filing of Application :13/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : SYSTEM AND METHOD FOR OUTPUT DISPLAY GENERATION BASED ON AMBIENT CONDITIONS

(51) International classification :G08B21/00
(31) Priority Document No :61/972643
(32) Priority Date :31/03/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/023458
Filing Date :31/03/2015
(87) International Publication No :WO 2015/153532
(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 :
A system and method provides for generating an output display on a display device based on at least one ambient condition. The method and system includes a display device or a component associated with a display device that provides for detecting an ambient condition using one or more environmental sensors. The method and system includes analyzing the ambient condition to determine ambient condition factors and retrieving visual display content from at least one visual content database using the ambient condition factors. Therein the method and system provides the visual display content to the display device so the output display compliments the ambient condition.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035011 A
(19) INDIA
(22) Date of filing of Application :13/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : MULTILAYER STRUCTURE AND METHOD FOR PRODUCING SAME PACKAGING MATERIAL AND PRODUCT WHICH USE SAME ELECTRONIC DEVICE PROTECTIVE SHEET AND COATING LIQUID

(51) International classification :B32B9/00,B05D7/24,B65D65/40
(31) Priority Document No :2014054968
(32) Priority Date :18/03/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/001528
Filing Date :18/03/2015
(87) International Publication No :WO 2015/141225
(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)TAKAI Jun
7)ARIMOTO Kikuo

(57) Abstract :
The present invention pertains to a multilayer structure containing a substrate (X) and a layer (Y) layered on the substrate (X) wherein the layer (Y) contains the following in specific ratios: a metal oxide (A); a phosphorus compound (B) containing a site which is reactable with the metal oxide (A); and positive ions (Z) having an ion valence (F) of 1 to 3 inclusive.

No. of Pages : 81 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035012 A
(19) INDIA
(22) Date of filing of Application :13/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : LANCE NOZZLE METHOD FOR MANUFACTURING LANCE NOZZLE AND APPARATUS FOR MANUFACTURING LANCE NOZZLE

(51) International classification :B21K21/08,B21J7/00,C21C5/46
(31) Priority Document No :1020140136500
(32) Priority Date :10/10/2014
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2015/010688
Filing Date :08/10/2015
(87) International Publication No :WO 2016/056868
(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)LEE Hae Yang

(57) Abstract :
According to one embodiment of the present invention a method for manufacturing a lance nozzle comprising: a plurality of discharge pipes discharging to outlet sides gas supplied through inlet sides; and a front wall which has a plurality of discharge holes to which the outlet sides of the discharge pipes are respectively connected includes a forging step of forming a forged structure by forging the peripheries of the discharge holes on the front surface of the front wall positioned on the opposite side of the discharge pipe.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035269 A
(19) INDIA
(22) Date of filing of Application :14/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : POWER CONVERSION DEVICE

(51) International classification :H02M7/06,H02M7/48
(31) Priority Document No :2014085396
(32) Priority Date :17/04/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/060852
Filing Date :07/04/2015
(87) International Publication No :WO 2015/159760
(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)KUBOTA Yohei
3)ISHIDA Keiichi
4)OGAWA Kei

(57) Abstract :
An inrush current prevention resistor (3) is disposed on the current path between a converter (2) and a smoothing capacitor (4) and the contact (30a) of a relay (30) is connected in parallel with the resistor (3). When the voltage of the smoothing capacitor (4) rises to a specified value or more the relay (30) is allowed to perform a close operation and when the voltage of the smoothing capacitor (4) falls to less than a set value the relay (30) is allowed to perform an open operation. The set value is higher than the minimum voltage value of the smoothing capacitor (4) which is necessary for the current flowing through the converter (2) not to exceed the allowable maximum current of the converter (2). According to this power conversion device inrush current can be reliably prevented.

No. of Pages : 25 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035270 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : LEAN TISSUE VOLUME QUANTIFICATION

(51) International classification	:A61B5/055,A61B5/107,A61B5/00
(31) Priority Document No	:14165965.6
(32) Priority Date	:25/04/2014
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2015/058577
Filing Date	:21/04/2015
(87) International Publication No	:WO 2015/162120
(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)ROMU Thobias

(57) Abstract :
The present invention relates to a method of quantifying a lean tissue volume comprising the steps of acquiring (10) a acquired image as a water fat separated magnetic resonance image wherein the acquired image comprises a water image and a fat image providing (20) a calibrated fat image (F) providing (30) a soft tissue mask (STM) defining areas of soft tissue in the acquired image and defining (40) a region of interest (ROI) of the acquired image. The method further comprises a step of calculating (50) a lean tissue volume (LTV) by multiplying for each volume element in the region of interest the soft tissue mask with the volume (V) of each volume element and the result of one minus the calibrated fat image and summarizing the products of said multiplications for all volume elements in the region of interest.

No. of Pages : 19 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035275 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : FLUID DISPLACEMENT UNIT

(51) International classification :F04B1/20,F04B11/00,F04B53/16
(31) Priority Document No :10 2014 207 329.4
(32) Priority Date :16/04/2014
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2015/057070
Filing Date :31/03/2015
(87) International Publication No :WO 2015/158545
(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)FISCHER Michael
2)BITTNER Ulrich
3)GORONZI Matthias

(57) Abstract :
The invention relates to a positive fluid displacement unit (11 12) comprising positive displacement ports (50) which are arranged in a circle and are associated with switching ports (55) which allow the passage of fluid between one of the positive displacement ports (50) and the associated switching port (55). To reduce the tonality the switching ports (55) are non periodically circumferentially offset relative to the positive displacement ports (50) in a defined random pattern so that during operation of the positive displacement unit (11 12) the tonality is effectively reduced with a relatively small variation range.

No. of Pages : 18 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035276 A
(19) INDIA
(22) Date of filing of Application :14/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : VEHICLE HEAT EXCHANGER TUBE AND VEHICLE RADIATOR COMPRISING SUCH A TUBE

(51) International classification :F28D1/053,F28F1/02
(31) Priority Document No :14504740
(32) Priority Date :22/04/2014
(33) Name of priority country :Sweden
(86) International Application No :PCT/SE2015/050444
Filing Date :17/04/2015
(87) International Publication No :WO 2015/163808
(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)CONTET Arnaud
2)BRORSSON Anders
3)BERGMAN Ulf

(57) Abstract :
A vehicle heat exchanger tube (2) comprises at least a first and a second separate fluid channel (14 16).A tube stiffener (38) has a first stiffening portion (40) stiffening the first channel (14) of the tube (2) and a second stiffening portion (42) stiffening the second channel (16) of the tube (2). The first stiffening portion (40) comprises a first supporting surface (46) supporting the first larger surface (20) of the first channel (14) and a second supporting surface (48) supporting the second larger surface (22) of the first channel (14). The second stiffening portion (42) comprises a first supporting surface (56) supporting the first larger surface (26) of the second channel (16) and a second supporting surface (58) supporting the second larger surface (28) of the second channel (16).

No. of Pages : 15 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617034932 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : LITHIUM INTERCALATED TITANIUM DIOXIDE LITHIUM TITANATE PARTICLES MADE THEREFROM AND RELATED METHODS

(51) International classification	:C01G23/00,H01M4/131,H01M4/485
(31) Priority Document No	:14/230435
(32) Priority Date	:31/03/2014
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2015/023263
Filing Date	:30/03/2015
(87) International Publication No	:WO 2015/153413
(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)FU Guoyi

(57) Abstract :
The invention provides a method for preparing lithium containing particles suitable for use in an electrode of a battery the method including forming a mixture comprising titanium dioxide precursor particles and an aqueous solution of a lithium compound; and heating the mixture at elevated temperature in a sealed pressure vessel in order to form lithium inserted titanium dioxide particles wherein at least one particle size characteristic selected from average primary particle size particle size distribution average intra particle pore size average inter particle pore size pore size distribution and particle shape of the titanium dioxide particles is substantially unchanged by said heating step. The invention further includes a battery including a first electrode a second electrode and a separator including an electrolyte between the first and second electrodes wherein one of the first and second electrodes comprises lithium inserted titanium dioxide particles or lithium titanate spinel particles made according to the invention.

No. of Pages : 20 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617034933 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : ORAL CARE COMPOSITIONS

(51) International classification :A61K8/19
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2014/076944
Filing Date :07/05/2014
(87) International Publication No :WO 2015/168879
(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)LI Yujun
3)STRAND Ross
4)GROTH Andrew Frederic
5)GLANDORF William Michael
6)BURGESS Steven Carl
7)XU Xiujun

(57) Abstract :
Provided is an oral care composition comprising a stannous ion source and a thickener consisting essentially of carrageenan and xanthan gum. Further provided is a method for treating the oral cavity comprising administering to the oral cavity an oral care composition.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617034934 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : A PRODRUG OF 1 1 (1 6 DIOXO 1 6 HEXANEDIYL)BIS D PROLINE

(51) International classification :C07D405/14,A61K31/4025,A61P25/28
(31) Priority Document No :1407506.3
(32) Priority Date :29/04/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2015/058998
Filing Date :27/04/2015
(87) International Publication No :WO 2015/165833
(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)DENIS Alexis
2)MIRGUET Olivier
3)TOUM JÃ©rÃ´me

(57) Abstract :
The present invention relates to the compound (2R 2 R) bis(((((tetrahydro 2H pyran 4 yl)oxy)carbonyl)oxy)methyl) 1 1 adipoylbis(pyrrolidine 2 carboxylate) pharmaceutical compositions comprising the same and the use of the same for treatment of diseases or disorders wherein depletion of serum amyloid P component (SAP) would be beneficial including amyloidosis Alzheimer s disease type 2 diabetes mellitus and osteoarthritis.

No. of Pages : 45 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617034935 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : HEAVY METAL RECYCLING PROCESS AND MATERIAL USEFULL IN SUCH PROCESS

(51) International classification :B01D39/20
(31) Priority Document No :14000983.8
(32) Priority Date :17/03/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/055323
Filing Date :13/03/2015
(87) International Publication No :WO 2015/140074
(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)BOLISETTY Sreenath
2)MEZZENGA Raffaele

(57) Abstract :
The present invention relates to the field of water treatment / metal recovery and to materials / devices useful in such processes. Specifically the invention provides for composite materials comprising amyloid fibrils; activated carbon; optionally a support material; whereby said amyloid fibrils and said activated carbon are in intimate contact. The invention further provides for the treatment of water using such composite materials.

No. of Pages : 13 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617034936 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD AND DEVICE FOR MELTING AND REFINING GLASS

(51) International classification :C03B5/04,C03B5/182,C03B5/23
(31) Priority Document No :1453902
(32) Priority Date :29/04/2014
(33) Name of priority country :France
(86) International Application No :PCT/FR2015/051107
Filing Date :23/04/2015
(87) International Publication No :WO 2015/166172
(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)LE VERGE Arnaud
3)COMBES Jean Marie

(57) Abstract :
The invention relates to a method and a device for manufacturing molten glass including in the downstream direction a furnace for melting and refining glass provided with transverse overhead burners followed by a conditioning pool supplied with glass from the furnace the manufacturing device being sized such that K is greater than 3.5 the K factor being determined according to the dimensions of the device. The invention makes it possible to size a glass melting device that is more compact and consumes less energy while still producing high quality glass.

No. of Pages : 33 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617035013 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : FLOW POWERED WATER DISINFECTION

(51) International classification :C02F1/00,C02F1/461,C02F1/32
(31) Priority Document No :61/972157
(32) Priority Date :28/03/2014
(33) Name of priority country :U.S.A.
(86) International Application No:PCT/US2015/022807
Filing Date :26/03/2015
(87) International Publication No :WO 2015/148837
(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)HERRINGTON Rodney

(57) Abstract :
A turbine powered or solar powered disinfection system is incorporated in the main fluid line that is flowing to a point of use (POU) or point of entry (POE) water system or water storage tank. Disinfectant is added to the flowing fluid line or disinfectant energy is otherwise imparted to the flowing fluid line. Energy from the turbine or solar power source can be stored in a rechargeable battery or other energy storage device. The power for the disinfection system can be monitored and conditioned by a control system or power convertor. Said control system can incorporate diagnostics operating instructions alarms remote control functionality or integration with other control systems. Disinfection can be provided by a chlorine or mixed oxidant generation system an ozone system a chlorine dioxide system an ultraviolet (UV) disinfection system or other disinfection system.

No. of Pages : 10 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617035015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : 2K THERMOSETTING POWDER COATING COMPOSITIONS

(51) International classification :C09D5/03,C09D15/00,C09D167/06
(31) Priority Document No :14164940.0
(32) Priority Date :16/04/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/057587
Filing Date :08/04/2015
(87) International Publication No :WO 2015/158587
(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)WELLENBERG Petrus Henricus Marinus
3)JANSEN Johan Franz Gradus Antonius

(57) Abstract :
The invention relates to a thermosetting powder coating composition C (PCC C) comprising a physical mixture of a thermosetting powder coating composition A (PCC A) with a separate distinct thermosetting powder coating composition B (PCC B). The invention further relates to a process for making said thermosetting powder coating composition C and processes for coating an article with said thermosetting powder coating composition C. The invention further relates to a cured thermosetting powder coating composition C (c PCC C).The invention further relates to an article having coated thereon said thermosetting powder coating composition C as well as to an article having coated and cured thereon said thermosetting powder coating composition C. The invention further relates to the use of PCC C for heat curing at low temperatures. The invention relates also to a use of PCC C for making a cured PCC C preferably said cured PCC C is a powder coating having one or multiple of properties such as excellent resistance to swelling good smoothness good chemical resistance low gloss low yellowness in any combination. The invention further relates to the use of said thermosetting powder coating composition C to the use of an article having coated thereon said thermosetting powder coating composition C and to the use of an article having coated and cured thereon said thermosetting powder coating composition C.

No. of Pages : 155 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617035016 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : A FLUID APPLICATOR SYSTEM AND METHOD

(51) International classification :A61M35/00,B05B12/00,B05B12/12
(31) Priority Document No :1404581.9
(32) Priority Date :14/03/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2015/055359
Filing Date :13/03/2015
(87) International Publication No :WO 2015/136101
(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)HIPPERSON Gerald

(57) Abstract :
A hand applicator system (100) for spraying a human or animal body (10) the system comprising: a hand applicator (110); and a travel speed indicator (120) which indicates the optimum travel speed of the hand applicator over a region of the body wherein the travel speed indicator emits a signal to an operator of the hand applicator the signal varying during a spraying procedure and being indicative of the appropriate instantaneous travel speed of the hand applicator over the region of the body adjacent the hand applicator at any time.

No. of Pages : 10 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617035017 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : TENSIONER

(51) International classification :F16H7/08
(31) Priority Document No :2014082577
(32) Priority Date :14/04/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/061044
Filing Date :08/04/2015
(87) International Publication No :WO 2015/159782
(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)TAKAHASHI Yoshiyuki
3)KOBAYASHI Takao

(57) Abstract :
Provided is a tensioner capable of being more compact as a result of having a concentric arrangement of constituent components and capable of preventing undulations or twisting during winding up of a coil spring. A tubular guide section (13) is formed on a bearing (6) that restricts rotation of a second shaft member (4); a spring locking slit (18) is formed in the guide section (13); an other side hook section (5c) of a coil spring (5) that rotates and impels a first shaft member (3) is pulled to the outside from the spring locking slit (18) and is movably locked in the guide section (13). Undulations and twisting do not occur in a coil section (5a) even if the number of coil section (5a) windings increase during winding up of the coil spring (5) as a result of the other side hook section (5c) moving along the guide section (13) in accordance with said increase.

No. of Pages : 13 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617034941 A
(19) INDIA
(22) Date of filing of Application :13/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : COMMUNICATION DEVICE COMMUNICATION SYSTEM COMMUNICATION METHOD AND STORAGE MEDIUM STORING PROGRAM FOR COMMUNICATION

(51) International classification :H04L12/891,H04L12/951
(31) Priority Document No :2014096762
(32) Priority Date :08/05/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/002320
Filing Date :07/05/2015
(87) International Publication No :WO 2015/170475
(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)HIRATA Ikuo

(57) Abstract :
To provide a communication device that can suppress imbalances in the amount of data transmitted by each communication line in cases where data is transferred using a plurality of communication lines. [Solution] A splitting unit (81) splits a frame that has been input. A distributing unit (82) distributes the split frame in accordance with the output band of each of a plurality of lines. A transmission unit (83) transmits the distributed frame. The distributing unit (82) distributes the frame to a line having the smallest remaining output weight which indicates the ratio of the remaining amount of data that can be output per predetermined period by each line to the amount of data that can be output in a unit time which is set as the output band for each line. The transmission unit (83) transmits a dummy frame equivalent to the remaining amount of data upon the lapse of the predetermined period.

No. of Pages : 38 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617034942 A
(19) INDIA
(22) Date of filing of Application :13/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : SET OF EYEGLASS LENS SEMIFINISHED PRODUCTS AND METHOD FOR THE DESIGN OF SAID SET METHOD AND DEVICE FOR PRODUCING EYEGLASS LENSES AND USE OF A SET OF SEMIFINISHED PRODUCTS

(51) International classification :G02C7/02
(31) Priority Document No :10 2014 213 393.9
(32) Priority Date :10/07/2014
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2015/065674
Filing Date :09/07/2015
(87) International Publication No :WO 2016/005486
(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)KRATZER Timo
3)NOWAK Gerd

(57) Abstract :
The invention relates among other things to the provision of a set (68) of eyeglass lens semifinished products composed of at least three series (66 1 66 2 66 3) of eyeglass lens semifinished products having spherical or rotationally symmetric aspherical front surfaces. The series (66 1 66 2 66 3) of eyeglass lens semifinished products differ in pairs in the base material of said series. The base materials have different average indices of refraction. Each of the series (66 1 66 2 66 3) comprises within an actual surface refractive power range of the front surface thereof in relation to a standard index of refraction of 1.53 between 3.2 D and 6.7 D at least three types (No. 7 No. 10 No. 13) of eyeglass lens semifinished products which types differ in pairs and the front surface shapes of which types are designed differently in some way. Within said actual surface refractive power range of the front surface of the series in relation to a standard index of refraction of 1.53 between 3.2 D and 6.7 D the front surface shapes of said at least three types (No. 7 No. 10 No. 13) are identical on a central partial surface (which preferably comprises more than 40% more preferably more than 50% of the total front surface) or the entire front surface of the type for all of the at least three series (66 1 66 2 66 3).

No. of Pages : 54 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617034943 A
(19) INDIA
(22) Date of filing of Application :13/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : DEVICE AND METHOD FOR THE AUTOMATED PROCESSING OF WORKPIECES

(51) International classification :B25J5/02,B25J5/06,B25J11/00
(31) Priority Document No :10 2014 206 683.2
(32) Priority Date :07/04/2014
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2015/056392
Filing Date :25/03/2015
(87) International Publication No :WO 2015/155005
(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)SCHLÃœTER Rainer
3)MÃœNK Thomas
4)CONERS Rolf

(57) Abstract :
The invention relates to a device for the automated processing such as grinding cutting and/or deburring of workpieces (60) in particular cast components e.g. of wind turbines. For this purpose the device comprises a motor spindle (16) for processing the workpiece (60) wherein the motor spindle (16) has a tool interface (32) for holding a tool (56) for the processing. Furthermore the motor spindle is designed in particular for automatically exchanging a tool (56). In addition the device comprises a robot (14) for retaining and guiding the motor spindle (16) and a control unit (36) for controlling the motor spindle (16) and the robot (14). The invention further relates to a method for the automated processing of workpieces.

No. of Pages : 14 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035277 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : GLYCATED PROTEIN ASSAY

(51) International classification :G01N33/58
(31) Priority Document No :61/968297
(32) Priority Date :20/03/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/021865
Filing Date :20/03/2015
(87) International Publication No :WO 2015/143394
(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)SVAROVSKY Sergei
3)PRESTIGIACOMO Anthony

(57) Abstract :
Methods devices and reagents are described for performing assays for hemoglobin Ale glycated albumin and other glycated proteins. The methods involve a ratio determination between glycated protein and non gtycated protein. In some applications the assay utilizes LOCI for signal generation. This invention is directed to assays and corresponding devices and reagents for detection of glycated protein particularly including glycated hemoglobin. As is generally understood such detection is useful in the management of blood glucose levels in diabetic patients and for monitoring the status of pre diabetic individuals.

No. of Pages : 34 No. of Claims : 67

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035278 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : IONIC LIQUID ELECTROLYTE AND METHOD TO ELECTRODEPOSIT METALS

(51) International classification :C25D3/66,C25D3/06,C25D3/10
(31) Priority Document No :61/979705
(32) Priority Date :15/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No:PCT/US2015/025706
Filing Date :14/04/2015
(87) International Publication No :WO 2015/160776
(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)BRENNECKE Joan
3)MAGINN Edward
4)QUIROZ GUZMAN Mauricio

(57) Abstract :
An electrolyte and a method to electroplate a metal on a substrate using the electrolyte are described. The electrolyte includes an imidazolium compound a metal salt and water. The imidazolium compound has formula (I) wherein R R R R and R are each independently selected from an H atom and an organic radical. L is a compatible anion. The metal salt can include but is not limited to salts of the metals Li Mg Ca Cr Mn Fe Co Ni Cu Zn Cd Pb Bi La Ce Al Ag Au Ga V In Nb Mo and W.

No. of Pages : 19 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035279 A
(19) INDIA
(22) Date of filing of Application :14/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : REVERSE OSMOSIS MEMBRANE FILTER HAVING FLUID CHANNEL FORMED ON SIDE SURFACE THEREOF

(51) International classification :B01D61/02
(31) Priority Document No :1020140047615
(32) Priority Date :21/04/2014
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2015/003754
Filing Date :15/04/2015
(87) International Publication No :WO 2015/163631
(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)HUR Ju Song
2)LIM Sung Taek
3)HONG Hyun Ki
4)CHUNG Tae Ho
5)CHOI Sue Hyun

(57) Abstract :
Disclosed is a reverse osmosis membrane filter for increasing a recovery rate of purified water by extending a residence time of raw water on a reverse osmosis sheet. The reverse osmosis membrane filter having a fluid channel formed on a side surface thereof according to the present invention comprises: a central tube having a purified water inflow hole radially formed therein into which purified water is introduced; a guide tube that is coupled to the outside of the central tube and has a raw water moving passage formed in the longitudinal direction thereof and a raw water outflow hole radially formed therein which communicates with the raw water moving passage; a reverse osmosis membrane sheet that filters a foreign substance contained in raw water by allowing the raw water to flow in the longitudinal direction in order to extend a residence time of the raw water passing through the raw water outflow hole and supplies the filtered purified water into the central tube through the purified water inflow hole; and a filter housing that accommodates the reverse osmosis membrane sheet.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035280 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : AGENTS AND METHODS FOR TREATMENT OF PATHOGENS

(51) International classification :A01N37/18,A01N63/02,A01N65/38
(31) Priority Document No :2014901470
(32) Priority Date :23/04/2014
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2015/050192
Filing Date :23/04/2015
(87) International Publication No :WO 2015/161346
(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 WEERDEN Nicole
2)ANDERSON Marilyn Anne

(57) Abstract :
The present disclosure relates generally to the control of pathogen infection and infestation in humans animals and plants as well as pathogen contamination in environmental locales and agents and natural and synthetic formulations and extracts useful for same.

No. of Pages : 74 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035308 A
(19) INDIA
(22) Date of filing of Application :15/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : ROTARY PROCESS FOR APPLICATION OF MAGNETIC COMPOSITIONS

(51) International classification :H01F41/16,H01F1/00
(31) Priority Document No :61/971666
(32) Priority Date :28/03/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/019637
Filing Date :10/03/2015
(87) International Publication No :WO 2015/148104
(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)MAGNETNOTES LTD.
Address of Applicant :5532 Douglas Road #1 Toledo Ohio 43613 U.S.A.
(72)**Name of Inventor :**
1)BOUDOURIS Randall
2)ALBRECHT Donald E.

(57) Abstract :
A method of making a magnet the method comprising providing a magnetizable composition comprising a thermoplastic polymer material and magnetizable particles heating the magnetic composition to a temperature at which the magnetic composition is in a flowable state providing the magnetic composition to a cavity of a rotating cylinder through a stationary flat nozzle the rotating cylinder comprising a plurality of openings therethrough providing a substrate in the form of a moving web or sheet and contacting the rotating cylinder with the substrate wherein the flat nozzle forces the magnetic composition through the openings in the rotating cylinder and the magnetic composition adheres to the substrate.

No. of Pages : 16 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035018 A
(19) INDIA
(22) Date of filing of Application :13/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : 3D PRINTER DESIGN PRINTING AND PERMISSION METHOD DEVICE AND SYSTEM

(51) International classification :G06Q50/04
(31) Priority Document No :201410138390.9
(32) Priority Date :08/04/2014
(33) Name of priority country :China
(86) International Application No :PCT/CN2015/075377
Filing Date :30/03/2015
(87) International Publication No :WO 2015/154631
(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)HUAWEI TECHNOLOGIES CO. LTD.
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(72)**Name of Inventor :**
1)CHEN Shanxi
2)XIANG Guangrong

(57) Abstract :
Provided is a 3D printer design method which can realize security judgement conducted on a target print file by a 3D printer system. The method comprises: determining a target print file (101); judging whether the target print file satisfies a first security standard (102); and if the target print file satisfies the first security standard sending the target print file to a 3D printer manufacturing system (103) so as to enable the 3D printer manufacturing system to conduct printing according to the target print file. Also provided are a related 3D printer manufacturing and permission method and a related device and system.

No. of Pages : 82 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617035040 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METAL SMART CARD WITH DUAL INTERFACE CAPABILITY

(51) International classification :G06K19/077
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2015/039535
Filing Date :08/07/2015
(87) International Publication No :WO 2017/007468
(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)HERSLOW John
2)LOWE Adam
3)DASILVA Luis
4)NESTER Brian

(57) Abstract :
A dual interface smart card having a metal iayer includes an SC module with contacts and RF capability mounted on a plug formed of non RF impeding material between the top and bottom surfaces of the metal iayer. The plug provides support for the IC moduie and a degree of electrical insulation and isolation from the metal iayer. The resultant card can have contact and contactiess operating capability and an entirely smooth external metal surface except for the contacts of the IC module.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035042 A
(19) INDIA
(22) Date of filing of Application :13/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : CONTROLLER FOR A THERMAL APPLIANCE

(51) International classification :H04L12/28,G05D23/19
(31) Priority Document No :1406685.6
(32) Priority Date :14/04/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2015/051133
Filing Date :14/04/2015
(87) International Publication No :WO 2015/159069
(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)TOBELLA Andreu

(57) Abstract :
A controller for a thermal appliance configured to heat or cool an area of a premises. The controller comprises: a communications interface configured to communicate over a communications network; a data store comprising information regarding a transport infrastructure; and a processor coupled to the data store and to the first communications interface. The processor is configured to obtain an estimate of the time for a user carrying a mobile device to return to the premises via the transport infrastructure.

No. of Pages : 18 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617035043 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : HETEROPHASIC PROPYLENE COPOLYMER WITH LOW EXTRACTABLES

(51) International classification :C08F10/06,C08L23/16,C08F2/00
(31) Priority Document No :14163575.5
(32) Priority Date :04/04/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/057200
Filing Date :01/04/2015
(87) International Publication No :WO 2015/150467
(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)WANG Jingbo
2)DOSHEV Petar
3)GAHLEITNER Markus
4)LESKINEN Pauli

(57) Abstract :
Heterophasic propylene copolymer comprising a propylene C to C a olefin copolymer a matrix in which an ethylene propylene rubber is dispersed said heterophasic propylene copolymer has good mechanical properties and low extractables.

No. of Pages : 51 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035069 A
(19) INDIA
(22) Date of filing of Application :14/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : MULTIPOLAR POWER CONTACTOR

(51) International classification :H01H9/30
(31) Priority Document No :10 2014 004 665.6
(32) Priority Date :31/03/2014
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2015/000124
Filing Date :22/01/2015
(87) International Publication No :WO 2015/149895
(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)KRALIK Robert

(57) Abstract :
The invention relates to a multipolar power contactor (1) having an electromagnetic drive a movable armature (2) of the drive and having at least two movable contacts (4) which are arranged next to one another and are connected to the armature (2). Corresponding fixed contacts (5) of the power contactor (1) are assigned to the movable contacts (4). The armature (2) can move from an open position in which the movable contacts (4) and the fixed contacts (5) are not in contact with one another into a closed position in which the movable contacts (4) come into contact with the fixed contacts (5). Each contact point consisting of movable contact (4) and corresponding fixed contact (5) is associated with an arc quenching device (6). According to the invention a plasma barricade is arranged between two adjacent movable contacts (4) said plasma barricade comprising a first barrier (7) and a second barrier (8) and one of the two barriers (7) being connected to the armature (2) and the other of the two barriers (8) being connected to a stationary part (22) of the power contactor (1). The first barrier (7) and the second barrier (8) overlap one another at least partially in every position of the armature (2) between the open position and the closed position.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/10/2016
(21) Application No.201617035309 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : AN OPTICAL DEVICE THAT PRODUCES FLICKER LIKE OPTICAL EFFECTS

(51) International classification :B44F1/00,G02B3/00,G02B27/22
(31) Priority Document No :61/971240
(32) Priority Date :27/03/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/022907
Filing Date :27/03/2015
(87) International Publication No :WO 2015/148878
(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)CAPE Samuel M.
2)GOSNELL Jonathan D.
3)JORDAN Gregory R.
4)PALM Scott K.

(57) Abstract :
An optical device that produces flicker like optical effects is provided. The inventive device employs directionally cured image icons. Specifically the optical device is made up of at least one arrangement of image icons formed from one or more cured pigmented materials and at least one arrangement of optionally embedded focusing elements positioned to form one or more synthetic images of at least a portion of the arrangement(s) of image icons. Some or all of the pigmented material(s) is cured using collimated light directed through the focusing elements toward the arrangement(s) of image icons at one or more angles relative to a surface of the optical device to form directionally cured image icons. The synthetic image(s) of the directionally cured image icons is viewable at the cure angle(s) and therefore visually appears and disappears or turns on and off as the viewing angle of the device moves through the cure angle(s). The inventive optical device may be used in conjunction with laser engraving allowing for in at least one embodiment superior laser engraving through the optical device.

No. of Pages : 18 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035311 A
(19) INDIA
(22) Date of filing of Application :15/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : FILTER ASSEMBLY

(51) International classification :B01D46/00,B01D27/08
(31) Priority Document No :14/230111
(32) Priority Date :31/03/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/016582
Filing Date :19/02/2015
(87) International Publication No :WO 2015/153006
(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)MORRIS Bryant A.
2)RIES Jeffrey R.

(57) Abstract :
A filter assembly (100) is provided. The filter assembly (100) includes a first component (102) having a first groove (114). The filter assembly (100) further includes a second component (104) having a second groove (114). The first groove (114) of the first component (102) and the second groove (114) of the second component (104) define a channel (138) therebetween. Furthermore the filter assembly (100) includes a cord member (140) removably inserted in the channel (138) to detachably couple the second component (104) to the first component (102).

No. of Pages : 8 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/10/2016
(21) Application No.201617035321 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD AND APPARATUS FOR DETERMINING PROPAGATION DELAY IN A COMMUNICATIONS NETWORK

(51) International classification	:H04L12/26,H04J3/06,H04W92/12
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/EP2014/059417
Filing Date	:08/05/2014
(87) International Publication No	:WO 2015/169363
(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)RUFFINI Stefano
2)STRACCA Stefano
3)CAVALIERE Fabio

(57) Abstract :
A method and apparatus for determining propagation delay of a first path and or of a second path which connect a first transceiver unit associated with a first clock to a second transceiver unit associated with a second clock in a communications network. The apparatus comprises a control unit configured to cause the first transceiver unit to transmit a first signal to the second transceiver unit over the first path and to receive a reply to the first signal from the second transceiver unit over the second path and to transmit a second signal to the second transceiver unit over the second path and to receive a reply to the second signal from the second transceiver unit over the first path. The apparatus further comprises a receiving unit configured to receive a first time reference representing the time of transmission of the first signal from the first transceiver unit a second time reference representing the time of receipt of the first signal at the second transceiver unit a third time reference representing the time of transmission of the reply to the second signal from the second transceiver unit and a fourth time reference representing the time of receipt of the reply to the second signal at the first transceiver unit. The apparatus further comprises a determining unit configured to determine a propagation delay of the first path and or of the second path using the first time reference the second time reference the third time reference and the fourth time reference.

No. of Pages : 16 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617034947 A
(19) INDIA
(22) Date of filing of Application :13/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : RECOMBINANT HOST CELL ENGINEERED TO OVEREXPRESS HELPER PROTEINS

(51) International classification :C12N9/16,C12N15/67
(31) Priority Document No :14165186.9
(32) Priority Date :17/04/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/058242
Filing Date :16/04/2015
(87) International Publication No :WO 2015/158808
(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)VTU TECHNOLOGY GMBH
4)LONZA LTD.
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2)MATTANOVICH Diethard
3)BUCHETICS Markus

(57) Abstract :
The present invention is in the field of recombinant biotechnology in particular in the field of protein expression. The invention generally relates to a method of expressing a protein of interest (POI) from a host cell. The invention relates particularly to improving a host cell s capacity to express and/or secrete a protein of interest and use of the host cell for protein expression. The invention also relates to cell culture technology and more specifically to culturing cells to produce desired molecules for medical purposes or food products.

No. of Pages : 91 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617034948 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : RECOMBINANT HOST CELL FOR EXPRESSING PROTEINS OF INTEREST

(51) International classification :C12N15/81
(31) Priority Document No :14165188.5
(32) Priority Date :17/04/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/058225
Filing Date :16/04/2015
(87) International Publication No :WO 2015/158800
(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)MATTANOVICH Diethard
3)BUCHETICS Markus

(57) Abstract :
The present invention is in the field of recombinant biotechnology in particular in the field of protein expression. The invention generally relates to a method of expressing a protein of interest (POI) from a host cell. The invention relates particularly to improving a host cell s capacity to express and/or secrete a protein of interest and use of the host cell for protein expression. The invention also relates to cell culture technology and more specifically to culturing cells to produce desired molecules for medical purposes or food products.

No. of Pages : 80 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617034958 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : LINER COMPONENT FOR A CYLINDER OF AN OPPOSED PISTON ENGINE

(51) International classification :F02F1/18,F02B75/28
(31) Priority Document No :14/255756
(32) Priority Date :17/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/026128
Filing Date :16/04/2015
(87) International Publication No :WO 2015/161049
(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)WAGNER Bryant A.

(57) Abstract :
The structure of a cylinder with longitudinally separated exhaust and intake ports includes a powdered metal (PM) ring sintered over grooves and/or slots in the exhaust port bridges and/or the top center (TC) portion of a cylinder liner.

No. of Pages : 7 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617034959 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : ASSEMBLY TOOL PRODUCTION

(51) International classification	:G05B19/4099,B64F5/00,G05B19/4097
(31) Priority Document No	:1407185.6
(32) Priority Date	:24/04/2014
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2015/051091
Filing Date	:10/04/2015
(87) International Publication No	:WO 2015/162401
(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)BICKERSTAFF John
2)COOKSON Andrew Peter

(57) Abstract :
Disclosed is a method of producing an assembly tool (60) for assembling a first system (4) comprising one or more components (8 12). The method comprises: for each component (8 12) determining when the first system (4) is attached to a second system (5) a position and orientation of that component (8 12) relative to the second system (5) and positions and orientations relative to the second system (5) at which that component (8 12) is to be supported; providing a frame (62); attaching to the frame (62) a reference structure (64); providing a plurality of pickup devices (66 72) each having a receiving element (74 80) for receiving a component (8 12); and securing each pickup device (66 72) to the frame (62) such that a position and orientation relative to the reference structure (64) of each receiving element (74 80) is the same as a position and orientation at which a component (8 12) is to be supported.

No. of Pages : 33 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617034960 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : ORAL CARE COMPOSITIONS

(51) International classification :A61K8/19
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2014/076937
Filing Date :07/05/2014
(87) International Publication No :WO 2015/168877
(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)LI Xiaoxiao
2)LI Yujun
3)STRAND Ross
4)XU Xiujun

(57) Abstract :
Provided is an oral care composition comprising a stannous ion source and a thickener consisting at least 2 agents from the group consisting of i) a linear sulfated polysaccharide ii) a natural gum and iii) a non ionic cellulose derivative. Further provided is a method for treating the oral cavity comprising administering to the oral cavity an oral care composition.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617034961 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD FOR PREPARING A SULFURIZED ALKALINE EARTH METAL DODECYLPHENATE

(51) International classification :C10M135/02,C10M159/22,C07G99/00
(31) Priority Document No :61/975256
(32) Priority Date :04/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/021949
Filing Date :23/03/2015
(87) International Publication No :WO 2015/153160
(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)PARSONS Roger L.
3)CONANT Lindsey K.
4)BECKER Darren J.
5)STRAUCH Jeremy T.
6)LUKASZEWSKI Rodney J.

(57) Abstract :
An overbased sulfurized alkaline earth metal alkylphenate is prepared by reacting an alkylphenol with an alkaline earth metal hydroxide or an alkaline earth metal oxide and sulfur in the presence of an alkylene glycol or dialkylene glycol or ether thereof and in the presence of an oil of lubricating viscosity and optionally further reacting the product thereof with carbon dioxide; thereby forming a sulfurized alkaline earth metal alkylphenate composition in oil. The composition is heated and subjected to steam stripping followed by filtration. The resulting product exhibits an improved rate and efficiency of filtration.

No. of Pages : 22 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/10/2016
(21) Application No.201617035322 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : AEROSOL GENERATING SYSTEM FOR DELIVERING NICOTINE SALT PARTICLES

(51) International classification :A24F47/00
(31) Priority Document No :14173788.2
(32) Priority Date :24/06/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/064129
Filing Date :23/06/2015
(87) International Publication No :WO 2015/197627
(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)SILVESTRINI Patrick

(57) Abstract :
An aerosol generating system comprises: a nicotine source (8) a lactic acid source (10); and a single heater (14) configured to heat both the nicotine source (8) and the lactic acid source (10). The aerosol generating system preferably comprises: an aerosol generating article (2) comprising a cartridge (6) comprising a first compartment comprising the nicotine source (8) and a second compartment comprising the lactic acid source (10); and an aerosol generating device (4) comprising the single heater (14). The cartridge (6) preferably comprises a cavity (18) for receiving the single heater (14) of the aerosol generating device (4).

No. of Pages : 24 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035340 A
(19) INDIA
(22) Date of filing of Application :15/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : PLANT ACTIVATOR FOR SUGAR CANE AND USE THEREOF

(51) International classification :C05G1/00
(31) Priority Document No :BR 102014006430 3
(32) Priority Date :18/03/2014
(33) Name of priority country :Brazil
(86) International Application No :PCT/BR2015/000027
Filing Date :13/03/2015
(87) International Publication No :WO 2015/139103
(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)NEVES ARAÃšJO PESSANHA Marcelo Amaral
2)FABRI Carlos Eduardo
3)GIUMARAES ARRUDA Diego

(57) Abstract :
The present invention relates to a plant activator for sugar cane crops and the use thereof. The activator is based on a balanced combination of nutrients required to alter the proportion of enzymes responsible for the accumulation of sugars in the plant the activator comprising the following nutrients: nitrogen potassium magnesium sulphur boron copper manganese molybdenum and zinc. The use of the activator comprises three distinct steps: identifying the ideal moment for introducing the nutrients into the system introducing the nutrients into the system and action of the nutrients in the plant.

No. of Pages : 13 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035350 A
(19) INDIA
(22) Date of filing of Application :17/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : ELEMENTARY ELEMENT

(51) International classification :B82B1/00,B82Y30/00,H01J1/304
(31) Priority Document No :PCT/JP2014/059380
(32) Priority Date :17/03/2014
(33) Name of priority country :PCT
(86) International Application No :PCT/JP2014/059380
Filing Date :17/03/2014
(87) International Publication No :WO 2015/141015
(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)MABUCHI Mahito

(57) Abstract :
The present invention designs an elementary element which operates by low energy particles less susceptible to influence on an S/N ratio by pseudo one dimensionally structuring a particle movement portion of particles including electromagnetic waves electrons holes atoms and molecules between emission and absorption sources of the particles. Further the present invention designs an elementary element which comprises a modification portion for allowing the particle movement portion coming and going of particles between another elementary element and the elementary element an interaction a chemical reaction and the like between these particles and mechanical/electromagnetic force that fluctuates over time and controls the emission/absorption of low energy particles less susceptible to the influence of atomic/molecular species of a constituent material of the particle movement portion the stereo structure or lattice thereof the disorders thereof or the heat of the device thereof on the S/N ratio and a device constructed from a plurality of elementary elements which enables for example much better readiness of a catalytic action not only to control electrons and holes of a transistor and the oxidation reduction reaction of a fuel cell but also to control the input/output of neutral or ionized atoms than conventional catalysts tolerance to external field noise including external radiation and a reduction in energy consumption required to operate the transistor and the like at low temperatures. Furthermore a device a module and a system are constructed.

No. of Pages : 23 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035355 A
(19) INDIA
(22) Date of filing of Application :17/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : POLYURETHANE SCORCH INHIBITOR

(51) International classification :C08K5/00
(31) Priority Document No :61/985127
(32) Priority Date :28/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/026808
Filing Date :05/05/2015
(87) International Publication No :WO 2015/167856
(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)DEMASSA John D.

(57) Abstract :
An additive composition for inhibiting scorch in a polyurethane foam composition the additive comprising a derivatized hydroquinone; a derivatized lactone; and a derivatized phenolic compound. A polyurethane foam composition contains the additive composition.

No. of Pages : 23 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617034964 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : AIRCRAFT AIRFRAME ASSEMBLY

(51) International classification :G05B19/4099,B64F5/00
(31) Priority Document No :1407182.3
(32) Priority Date :24/04/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2015/051094
Filing Date :10/04/2015
(87) International Publication No :WO 2015/162403
(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)BICKERSTAFF John
2)SANDERSON Steven Neil

(57) Abstract :
AIRCRAFT AIRFRAME ASSEMBLY Disclosed is a method of producing a first part of an aircraft airframe (4) the first part of the aircraft airframe (4) being for attachment to a second part of the aircraft airframe (5). The methodcomprises: providing a plurality of components (8 12) of the first part (4); for each component (8 12) determining a position and orientation of that component (8 12) relative to the second part (5)were the first part (4) attached to the second part (5); providing a reference structure (64) representative of the second part (5); arranging the components (8 12) such that the position and orientation of each component (8 12) relative to the reference structure (64) is the same as the determined position and orientation of that component (8 12) relative to the second part (5); and attaching together the components (8 12) such that the relative positions and orientations of those components (8 12) are maintained. (Figure 2)

No. of Pages : 33 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617034965 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : MULTI STAGE STIRRED REACTOR HAVING REDUCED BACK MIXING

(51) International classification :B01F7/16,B01F15/02,B01F15/06
(31) Priority Document No :102014105615.9
(32) Priority Date :22/04/2014
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2015/058514
Filing Date :20/04/2015
(87) International Publication No :WO 2015/162091
(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)FALÃŸ Sebastian
2)MLECZKO Leslaw
3)BOOS Karl Robert
4)BUCHHOLZ Sigurd

(57) Abstract :
The invention relates to a multi stage stirred reactor comprising a plurality of reaction chambers adjacent to each other and stirring elements for mixing the content of at least one of the reaction chambers wherein at least one opening that can be closed by means of closing elements is provided between each pair of adjacent reaction chambers such that a fluid connection between the adjacent reaction chambers is obtained in the open state and the adjacent reaction chambers are isolated from each other in the closed state. At least one of the closing elements (300 310 320) is connected to an actuating rod (500 510 520) led out of the stirred reactor. The actuating rod (500 510 520) can be actuated back and forth between at least a first position and a second position by rotation and/or displacement wherein in the first position closing elements (300 310 320) connected to the actuating rod (500 510 520) effect an opened state of the opening associated with said closing elements and in the second position closing elements (300 310 320) connected to the actuating rod (500 510 520) effect a closed state of the opening associated with said closing elements.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617034966 A
(19) INDIA
(22) Date of filing of Application :13/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD FOR SIMULATING THE BEHAVIOUR OF THE VEHICLE AND CHASSIS DYNAMOMETER

(51) International classification :G01M13/02
(31) Priority Document No :A 50287/2014
(32) Priority Date :16/04/2014
(33) Name of priority country :Austria
(86) International Application No :PCT/AT2015/050095
Filing Date :15/04/2015
(87) International Publication No :WO 2015/157788
(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)REITER RenÃ©
2)SCHWÃ„RZLER Christoph
3)PALZER Michael
4)MARGELIK Roland

(57) Abstract :
The invention relates to a chassis dynamometer and to a method for simulating the behaviour of the vehicle in a chassis dynamometer comprising an actuator (2) for transferring a longitudinal force to the vehicle a rotational movement carried out by a wheel or a drive train of the vehicle being measured a corresponding longitudinal acceleration (a) being determined from the measured rotational movement and the actuator being controlled in accordance with the determined longitudinal acceleration (a) based on the measurement.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617034967 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : TONER LEVEL SENSING FOR A REPLACEABLE UNIT OF AN IMAGE FORMING DEVICE

(51) International classification :G03G15/08,G03G15/16
(31) Priority Document No :14/227117
(32) Priority Date :27/03/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/021947
Filing Date :23/03/2015
(87) International Publication No :WO 2015/148352
(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)LEEMHUIS Michael Craig
2)ABLER Jeffrey Alan
3)BAST Charles Alan
4)DUTTON Todd Alan
5)SCHNEIDER David Anthony

(57) Abstract :
A method for estimating an amount of toner remaining in a reservoir of a replaceable unit for an image forming device according to one example embodiment includes receiving by processing circuitry pulses from a magnetic sensor. Each pulse is indicative that the magnetic sensor detected a magnet on a moving paddle positioned in the reservoir. The processing circuitry counts the number of the pulses received from the magnetic sensor. Upon receiving a request from a controller of the image forming device the processing circuitry sends to the controller of the image forming device the count of the pulses received from the magnetic sensor and resets the count of the pulses received from the magnetic sensor.

No. of Pages : 30 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016

(21) Application No.201617035074 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : TARGETED MUTATIONS

(51) International classification	:C12N15/10,C12N15/74,C12N15/90
(31) Priority Document No	:1406970.2
(32) Priority Date	:17/04/2014
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2015/051153
Filing Date	:16/04/2015
(87) International Publication No	:WO 2015/159087
(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)JENKINSON Elizabeth
2)KRABBEN Preben

(57) Abstract :
The present invention relates to a process for producing and selecting for targeted mutations in bacterial genomes. In particular the process relates to the transformation of bacteria with a Recombination Element which comprises the desired mutation followed by homologous recombination of the Recombination Element into the bacterial genome; the CRISPR/Cas system is then used to eliminate bacteria which do not have the desired mutation.

No. of Pages : 35 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035075 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : END EFFECTOR COMPRISING AN ANVIL INCLUDING PROJECTIONS EXTENDING THEREFROM

(51) International classification :A61B17/072
(31) Priority Document No :61/980339
(32) Priority Date :16/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/025642
Filing Date :14/04/2015
(87) International Publication No :WO 2015/160730
(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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4)SCHEIB Charles J.
5)MORGAN Jerome R.
6)WEANER Lauren S.
7)VENDELY Michael J.
8)ARONHALT Taylor W.
9)BARTON Trevor J.

(57) Abstract :
An end effector can comprise one a fastener cartridge including a plurality of fasteners stored therein and two an anvil configured to deform the fasteners. The anvil can further comprise extensions extending therefrom which can control the flow of tissue relative to the fastener cartridge and/or support the fasteners as they are ejected from the fastener cartridge. The extensions can having different sizes and/or configurations.

No. of Pages : 127 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035076 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : FASTENER CARTRIDGE COMPRISING NON UNIFORM FASTENERS

(51) International classification :A61B17/064,A61B17/072
(31) Priority Document No :61/980270
(32) Priority Date :16/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/025849
Filing Date :15/04/2015
(87) International Publication No :WO 2015/160874
(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)DOLL Kevin R.
3)SHELTON IV Frederick E.
4)SCHELLIN Emily A.
5)HARRIS Jason L.
6)HUEIL Geoffrey C.

(57) Abstract :
A fastener cartridge (2000) can comprise fastener cavities (2050) arranged in longitudinal rows. A first fastener (2130) having a first configuration and a second fastener (2130) having a second configuration can be stored within a longitudinal row. First fasteners having a first configuration can be stored within a first longitudinal row and second fasteners having a second configuration can be stored within a second longitudinal row. Each first fastener can have a proximal leg (2132a) or leg portion extending at a first proximal angle (F) and a distal leg (2132b) or leg portion extending at a first distal angle (G) and each second fastener can have a proximal leg or leg portion extending at a second proximal angle and a distal leg or leg portion extending at a second distal angle. The first proximal angle can be different than the second proximal angle and/or the first distal angle can be different than the second distal angle.

No. of Pages : 119 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035081 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : FASTENER CARTRIDGE ASSEMBLIES AND STAPLE RETAINER COVER ARRANGEMENTS

(51) International classification :A61B17/072,A61B19/00
(31) Priority Document No :61/980282
(32) Priority Date :16/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/025856
Filing Date :15/04/2015
(87) International Publication No :WO 2015/160878
(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 Ohio 45242 U.S.A.
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2)SETSER Michael E.
3)HUEIL Geoffrey C.

(57) Abstract :
A cover member for a surgical staple cartridge. The cover member is configured to retain a wedge sled within the staple cartridge in a starting position when the cover member is attached to the body of the staple cartridge. The cover member includes a top portion that covers all of the fastener openings in the deck of the staple cartridge when the cover is attached to the cartridge.

No. of Pages : 119 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035118 A
(19) INDIA
(22) Date of filing of Application :14/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : COAXIAL CABLE CONNECTOR HAVING AN ACTIVATABLE SEAL

(51) International classification :H01R24/38
(31) Priority Document No :61/954177
(32) Priority Date :17/03/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/020977
Filing Date :17/03/2015
(87) International Publication No :WO 2015/142856
(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)WATKINS Harold J.

(57) Abstract :
A connector including a cavity for stowing a pre installed sealing member. The sealing cavity is defined by a first or coupler seal cavity formed on the inside surface of a coupler and a second or insert seal cavity formed on the outer periphery of an insert. Relative motion of the coupler and the insert during assembly causes the sealing member to be displaced from a stowed or inactive seal position to an assembled or active seal position.

No. of Pages : 32 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035141 A
(19) INDIA
(22) Date of filing of Application :14/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : PLANT FOR THE TREATMENT OF WASTE WATER ON BOARD OF VESSELS

(51) International classification :B63J4/00
(31) Priority Document No :BG2014A000021
(32) Priority Date :19/06/2014
(33) Name of priority country :Italy
(86) International Application No :PCT/EP2015/063679
Filing Date :18/06/2015
(87) International Publication No :WO 2015/193416
(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)PANSERA Mario
2)ROSSI Maurizio

(57) Abstract :
The invention relates to a plant for the treatment of waste water on board of vessels comprising a collection tank of black water and grey water a primary treatment unit including a band filter a secondary treatment unit including a micro filtration or ultrafiltration module and a tertiary treatment unit including an ozone treatment module.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035370 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : FAN WITH LEARNING MODE

(51) International classification :F04D27/00,F04D25/08
(31) Priority Document No :61/972619
(32) Priority Date :31/03/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/023582
Filing Date :31/03/2015
(87) International Publication No :WO 2015/153604
(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)REED Alex
3)OLESON Richard A.
4)WHITE Marshall
5)BISHOP Jason
6)LENSER Richard
7)BANKS David R.

(57) Abstract :
A fan such as a ceiling fan includes a learning mode of operation. This learning mode may permit a user to input a desired speed for the fan for a given condition such as ambient temperature and adjustments for other conditions would be automatically determined based on the user input. A subsequent selection of fan speed at that condition (such as for example for a different user) or a different condition setting would also be obtained either during initialization or later and then used as an updated measure of the desired fan speed for the condition. Related methods of controlling the operation of a fan are also disclosed.

No. of Pages : 9 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035371 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : TOWER SEGMENT

(51) International classification :F03D11/04,E04H12/08,E04H12/02
(31) Priority Document No :PA 2014 70218
(32) Priority Date :14/04/2014
(33) Name of priority country :Denmark
(86) International Application No :PCT/DK2015/050092
Filing Date :14/04/2015
(87) International Publication No :WO 2015/158351
(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)PEDERSEN Gunnar K. Storgaard

(57) Abstract :
This application relates to tower segment handling methods and apparatus and in particular to methods and apparatus for handling segments of steel wind turbine towers. The wind turbine tower comprises a plurality of cylindrical vertical tower sections which in the finished tower are mounted on top of one another. The vertical section of the tower has a longitudinal axis and comprises a plurality of wind turbine tower segments the tower segments have vertical and horizontal edges and combine to form a complete vertical tower section by joining along their vertical edges. Adjacent vertical tower sections are joined to each other along the horizontal edges of the wind turbine tower segments. The tower segments are combined into a tower section using a flat roller bed on which the segments can be assembled. A method of assembling a tower section is discussed.

No. of Pages : 20 No. of Claims : 54

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035372 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : TOWER SEGMENT

(51) International classification :F03D1/00,F03D11/04,B66C1/10
(31) Priority Document No :PA 2014 70216
(32) Priority Date :14/04/2014
(33) Name of priority country :Denmark
(86) International Application No :PCT/DK2015/050091
Filing Date :14/04/2015
(87) International Publication No :WO 2015/158350
(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 application relates to tower segment handling methods and apparatus and in particular to methods and apparatus for handling segments of steel wind turbine towers. The wind turbine tower comprises a plurality of cylindrical vertical tower sections which in the finished tower are mounted on top of one another. The vertical section of the tower has a longitudinal axis and comprises a plurality of wind turbine tower segments the tower segments have vertical and horizontal edges and combine to form a complete vertical tower section by joining along their vertical edges. Adjacent vertical tower sections are joined to each other along the horizontal edges of the wind turbine tower segments. The tower segments have support members facilitating storage and transport of the segments. A method of assembling and disassembling a tower section on a roller bed is also disclosed.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035374 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD AND DEVICE FOR THE EXTRUSION AND LABELLING OF A PACKAGING TUBE

(51) International classification :B29C65/02,B29C63/06,B29C47/02
(31) Priority Document No :14165267.7
(32) Priority Date :17/04/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/IB2015/052746
Filing Date :15/04/2015
(87) International Publication No :WO 2015/159234
(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)KELLER Gerhard
2)THOMASSET Jacques

(57) Abstract :
The invention relates to a method for the extrusion and labelling of a packaging tube (14) comprising the following successive steps performed on an extrusion labelling line namely: a) forming a partially or fully tubular label (17) from a film (12); b) introducing the label (17) into a calibration element (22); c) extruding a tubular body (13) on the side of the concave surface of the label (17); d) bringing the external surface of the tubular body (13) into contact with the concave surface of the label (17) step (c) being performed in the calibration element (22). The invention also relates to an extrusion labelling device and a packaging tube.

No. of Pages : 32 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035375 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : CERAMIC NUCLEAR FUEL DISPERSED IN A METALLIC ALLOY MATRIX

(51) International classification :G21C3/02,G21C3/18,G21C3/60
(31) Priority Document No :61/979260
(32) Priority Date :14/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No:PCT/US2015/024714
Filing Date :07/04/2015
(87) International Publication No :WO 2015/160571
(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)WALTERS Leon C.

(57) Abstract :
Systems and methods for manufacturing metal fuel are described. Methods for fabricating a metal fuel matrix cermet nuclear fuel may include crushed ceramic particles combined with metallic fast reactor fuel via bottom pour casting or injection casting or a powdered metallurgical process. A maximum quantity of crushed ceramic particles added to the metallic fuel must not exceed that which would fail to yield a continuous matrix of metal fuel. After a short irradiation period the microstructure of the fuel may be substantially identical to that of injection cast fuel without crushed ceramic particles irrespective of the fabrication process. Thus the extensive existing database for injection cast fuel without crushed ceramic particles may be an excellent indicator of expected irradiation performance. Each of the processes may contribute to a solution of the spent nuclear fuel problem and may denature Pu239 during the process.

No. of Pages : 11 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035382 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD AND APPARATUS FOR PRODUCING BAGS FROM A WOVEN FABRIC TUBE

(51) International classification	:B29C65/08,D04G1/00,B31B19/60
(31) Priority Document No	:A 250/2014
(32) Priority Date	:03/04/2014
(33) Name of priority country	:Austria
(86) International Application No	:PCT/AT2015/000050
Filing Date	:31/03/2015
(87) International Publication No	:WO 2015/149090
(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)LOHIA CORP LIMITED
Address of Applicant :D 3/A Panki Industrial Estate Kanpur 208 022 Uttar Pradesh India
(72)**Name of Inventor :**
1)WORFF Herwig

(57) Abstract :
In a method for producing bags from a woven fabric tube (1) the flat woven fabric tube (1) is fed from a tube unwinding apparatus or a tube forming apparatus to a cutting device in which the woven fabric tube (1) is cut to length along a cutting line (8) to give tubular bag bodies (7) which are open at both ends wherein the operation of cutting the woven fabric tube (1) to length takes place in a longitudinal transportation section in which the woven fabric tube (1) and the tubular bag bodies (7) are transported in the longitudinal direction of the woven fabric tube (1) wherein a cutting line region (6) of the woven fabric at at least one open end of the tubular bag body (7) is heat treated prior to this open end being closed.

No. of Pages : 14 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035383 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : IMPROVED CATALYST SYSTEM FOR PRODUCING POLYETHYLENE COPOLYMERS IN A HIGH TEMPERATURE SOLUTION POLYMERIZATION PROCESS

(51) International classification :C08F210/16,C08F4/659
(31) Priority Document No :14165140.6
(32) Priority Date :17/04/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/058204
Filing Date :15/04/2015
(87) International Publication No :WO 2015/158790
(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)AJELLAL Noureddine
2)PELLECCHIA Roberta
3)RESCONI Luigi
4)IZMER Vyatcheslav V
5)KONONOVICH Dmitry S
6)VOSKOBOYNIKOV Alexander Z

(57) Abstract :
Catalyst system for producing ethylene copolymers in a high temperature solution process the catalyst system comprising (i) a metallocene complex of formula (I) wherein M is Hf or Zr X is a sigma ligand L is a bridge of the formula SiR wherein each R is independently a C C hydrocarbyl tri(C C alkyl)silyl C C aryl C C arylalkyl or C C alkylaryl n is 0 1 or 2 R and Rare the same or can be different and can be a linear or branched C C alkyl group R and R are the same or are different and are a CH R group with R being H or linear or branched C C alkyl group R and R are the same or are different and can be H or a linear or branched C C alkyl group or a OR group wherein R is a C C alkyl group R and R are the same or are different and can be H or a C(R) group with R being the same or different and R can be H or a linear or branched C C alkyl group or R and R and/or R and R taken together form an unsubstituted 4 7 membered ring condensed to the benzene ring of the indenyl moiety with the proviso that if R and R as well as R and R taken together form an unsubstituted 5 membered ring condensed to the benzene ring of the indenyl moiety then R and R are not a C alkyl group; and R and R can be the same or are different and can be H or a linear or branched C C alkyl group (ii) an aluminoxane cocatalyst and (iii) optionally a boron containing cocatalyst

No. of Pages : 41 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035149 A
(19) INDIA
(22) Date of filing of Application :14/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : A FOUNDATION FOR A WIND TURBINE

(51) International classification :E02D27/42
(31) Priority Document No :PA 2014 70220
(32) Priority Date :16/04/2014
(33) Name of priority country :Denmark
(86) International Application No :PCT/DK2015/050093
Filing Date :14/04/2015
(87) International Publication No :WO 2015/158352
(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)Ã˜LLGAARD BÃ¸rge

(57) Abstract :
The present invention provides a foundation for a wind turbine. To reduce set up time and to allow complete alignment of the platform which carries the base flange of the tower construction the invention provides a foundation with a cage structure having an upper stress distribution flange connected by a plurality of tensioned anchor bolts to a lower flange. The flanges are separated by a number of distance elements whereby the shape of the cage structure becomes fixed by the combination between tensioned bolts and distance elements. Since the cage structure has a fixed shape the upper stress distribution flange can be aligned before the cage structure is embedded in concrete and it becomes unnecessary to wait for the concrete to harden.

No. of Pages : 10 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035156 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : NEW SOIL ACTIVATOR CONTAINING AMMONIUM LIGNOSULFONATE AND USES THEREOF

(51) International classification :C05F11/08,C09K17/00,C12N1/20
(31) Priority Document No :61/979615
(32) Priority Date :15/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2015/050313
Filing Date :15/04/2015
(87) International Publication No :WO 2015/157865
(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)GILMOUR David
2)YARGEAU Viviane

(57) Abstract :
The present description relates to a soil activator comprising lignosulfonate and at least one microorganism for stimulating the growth of a plant or crop.

No. of Pages : 18 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035157 A
(19) INDIA
(22) Date of filing of Application :14/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : AIMING DEVICE FOR DISTAL LOCKING OF INTRAMEDULLARY NAILS AND METHODS OF USE

(51) International classification :A61B17/17,A61B5/06,F16B2/06
(31) Priority Document No :1131/DEL/2014
(32) Priority Date :25/04/2014
(33) Name of priority country :India
(86) International Application No :PCT/US2015/027434
Filing Date :24/04/2015
(87) International Publication No :WO 2015/164689
(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 :325 Paramount Drive Raynham Massachusetts 02767 0350 U.S.A.
(72)**Name of Inventor :**
1)PUROHIT Hitendra

(57) Abstract :
An aiming device system that is configured to align at least one bone anchor guide to a first distal hole of an intramedullary nail can include an aiming arm that is configured to be operatively coupled to the intramedullary nail and an aiming guide. The aiming arm can define a sliding support that is elongate along a first direction. The aiming guide can include a guide body that defines at least a first bone anchor guide. The aiming guide is attached to the aiming arm such that the aiming guide is selectably movable along the sliding support and selectably rotatable relative to the aiming arm. When the first bone anchor guide is retaining the guide sleeve at least one of the selectable movement and selectable rotation of the guide body at least partially aligns the first bone anchor guide with the first distal hole of the intramedullary nail.

No. of Pages : 20 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035158 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : ORGANIC COLORANT COMPLEXES FROM REACTIVE DYES AND ARTICLES CONTAINING THE SAME

(51) International classification :C10L1/00,C11D1/72,C10M101/00
(31) Priority Document No :61/982368
(32) Priority Date :22/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/026753
Filing Date :21/04/2015
(87) International Publication No :WO 2015/164299
(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)HONG Xiaoyong Michael
2)XIE Peter
3)SUN Brian
4)MASON Mary E.

(57) Abstract :
An organic colorant complex with the following general structure: AB(DE)TQ wherein A is an organic chromophore; B is an electrophilic reactive group covalently bonded to A directly or through a linking group; D is a nucleophilic linking group covalently bonding B and E selected from the group consisting of NR O S and 4 oxyanilino (HN Ph O); wherein R is selected from the group consisting of H alkyl aryl and E; E is an organic alkyl and aryl group or an end group; T is an ionic group covalently linked to A; Q is an organic cation bonded to the organic chromophore A through ionic interaction with T; n m x and y are independent integers from 1 to 10.

No. of Pages : 39 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035159 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : TRAFFIC SIGNAL DISPLAY AND METHOD

(51) International classification :G08G1/01,G09F27/00,G08G1/095
(31) Priority Document No :61/980987
(32) Priority Date :17/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/026354
Filing Date :17/04/2015
(87) International Publication No :WO 2015/161186
(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)VALA Nitin

(57) Abstract :
The present invention provides a system and method for displaying information at a traffic signal. The system includes a computer system coupled to the computer system controlling the traffic signal to time the display of information on a separate monitor located adjacent a traffic signal. The displayed information can include such things as advertising notices of public interest such as an Amber alert and/or upcoming traffic conditions. The timing of the displayed information is such as to not interfere with attention needed for a person to navigate through the traffic signal.

No. of Pages : 11 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035400 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : APPARATUS FOR CLOSING BAGS MADE OF WOVEN FABRIC

(51) International classification :B31B19/60,B05C5/00,B05C11/10
(31) Priority Document No :A 249/2014
(32) Priority Date :03/04/2014
(33) Name of priority country :Austria
(86) International Application No :PCT/AT2015/000051
Filing Date :02/04/2015
(87) International Publication No :WO 2015/149091
(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)LOHIA CORP LIMITED
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(72)**Name of Inventor :**
1)WORFF Herwig

(57) Abstract :
In an apparatus which is intended for closing bags made of woven fabric and to which tubular bag bodies can be fed comprising an adhesive applying apparatus for continuously applying adhesive in an adhesive bonding region and also comprising a transporting apparatus for transporting the tubular bag bodies through the adhesive bonding region in a direction transverse to their longitudinal axis this allowing adhesive to be applied to a strip like region of the tubular bag bodies provision is made for an adhesive removal apparatus which is separate from the transporting apparatus to be arranged beneath the adhesive bonding region in order to remove the adhesive applied by the adhesive applying apparatus in the interspace between the individual tubular bag bodies.

No. of Pages : 15 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035404 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : PORTABLE APPARATUS FOR GENERATING ELECTRICAL ENERGY

(51) International classification :F03G3/00,F03G7/10
(31) Priority Document No :1407447.0
(32) Priority Date :28/04/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2015/051241
Filing Date :28/04/2015
(87) International Publication No :WO 2015/166235
(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)RIDDIFORD Martin Philip
2)REEVES James William
3)POLAK T. A.

(57) Abstract :
A portable apparatus for generating electrical energy is provided comprising: an electrical energy generating device for generating electricity in response to input mechanical action; a gravity powered drive for supplying the said mechanical action to the electricity generating device by the descent of a suspended mass under the force of gravity; and a re energising mechanism adapted to cause the gravity powered drive to operate whilst the mass is being raised.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035419 A
(19) INDIA
(22) Date of filing of Application :17/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD AND SYSTEM FOR POSITIONING A PATIENT

(51) International classification :A61G13/12
(31) Priority Document No :2012460
(32) Priority Date :18/03/2014
(33) Name of priority country :Netherlands
(86) International Application No :PCT/IB2015/051979
Filing Date :18/03/2015
(87) International Publication No :WO 2015/140729
(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)ERGOTRICS N.V.
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(72)**Name of Inventor :**
1)DEPAUW Paul Richard Alfons Maria

(57) Abstract :
The invention pertains to positioning a patient in prone position comprising: positioning a patient in a supine position attaching a chest body contact sheet to the chest of the patient with an attached inflatable chest cushion in the deflated state attaching a pelvic body contact sheet to the pelvic region of the patient with an attached inflatable pelvis cushion in the deflated state transferring the patient from the supine position to a prone position with the chest body contact sheet attached to the chest of the patient and the pelvic body contact sheet attached to the pelvic region of the patient and the patient in the prone position inflating the chest cushion and the pelvis cushion thereby making that the chest cushion and the pelvis cushion together bear the weight of the torso of the patient with the abdominal region of the patient being decompressed. The invention is based on a combination of anatomy and physiology that is used for a reliable positioning the patient which is safe for the patient and safe hygienic and user friendly for the medical team.

No. of Pages : 35 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035421 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : HYDROKINETIC ENERGY CONVERSION SYSTEM AND USE THEREOF

(51) International classification :F03B13/26,F03B17/06
(31) Priority Document No :1405119.7
(32) Priority Date :21/03/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2015/055678
Filing Date :18/03/2015
(87) International Publication No :WO 2015/140209
(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 :P.O. Box 509 4802 Arendal Norway
(72)**Name of Inventor :**
1)HOLM Anders

(57) Abstract :
A hydrokinetic energy conversion system (1) comprising a turbine device (2) comprising a rotor (3) displaying a rotational axis (O) which turbine device is arranged to operate with the rotational axis in an inclined orientation vis Ã vis an incoming body of water (W) and which rotor comprises a blade (10) which is arranged to interact with the incoming body of water such that rotational energy is imparted to the rotor. The blade comprises a first convex surface (12) a second concave surface (13) and a free distal edge (E) where the first surface and the second surface meet. The curvature of the second surface when viewed in a plane orthogonal to the rotational axis is such that a maximum depth (Dmax) of the second surface when measured from a straight line intersecting the rotational axis and the distal edge is at least 35% of the distance between the rotational axis and the distal edge.

No. of Pages : 7 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035160 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : HIGH PERFORMANCE WATER BASED ADHESION COMPOSITIONS AND APPLICATIONS

(51) International classification :C04B24/26
(31) Priority Document No :61/979575
(32) Priority Date :15/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/025955
Filing Date :15/04/2015
(87) International Publication No :WO 2015/160939
(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)ARMSTRONG Stephen
3)LEOTSAKOS George S.
4)JABLON Michael
5)CHIAO Wen B.
6)VIG Rakesh

(57) Abstract :
An adhesion composition comprising (a) a first polymer selected from the group consisting of acrylic polymers acrylonitrile butadiene butyl rubber cellulose acetate cellulose butyrate epoxy resins ethylene vinyl acetate natural rubber neoprene phenolic polymers polyurethanes polyvinyl acetate polyvinyl alcohol styrene butadiene rubber casein dextrin starch copolymers thereof and combinations thereof; (b) a second polymer selected from the group consisting of ethylene acrylic acid copolymer oxidized polyethylene oxidized ethylene vinyl acetate copolymer maleated polyolefin and combinations thereof; and c) surfactant; and (d) water where the amount of said water said first polymer and said second polymer is sufficient to a solids content of greater than about 30% based on the total weight of components (a) (d) in the adhesion composition and where said first polymer and said second polymer comprise solid particles having a D50 particle size of from about 10 nanometers (nm) to about 2000 nm. Applications of the composition are also disclosed.

No. of Pages : 54 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035168 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : AIRCRAFT AIRFRAME ASSEMBLY

(51) International classification :G05B19/4099,B64F5/00
(31) Priority Document No :1407182.3
(32) Priority Date :24/04/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2015/051179
Filing Date :21/04/2015
(87) International Publication No :WO 2015/162413
(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)BAE SYSTEMS PLC
Address of Applicant :6 Carlton Gardens London SW1Y 5AD U.K.
(72)**Name of Inventor :**
1)BICKERSTAFF John

(57) Abstract :
An assembly process for assembling at least part of an aircraft airframe (4) the assembly process comprising: providing a first assembly including a first part of the airframe (6) and a first reference structure (64) attached thereto; providing a second assembly including a second part of the aircraft airframe and a second reference structure attached thereto; receiving by a first receptacle (154) the first reference structure (64); receiving by a second receptacle (154) the second reference structure; moving by an actuation device the receptacles (154) into a predetermined configuration thereby moving the first part of the aircraft airframe (6)and the second part of the aircraft airframe into a predetermined configuration; and performing an assembly operation on the airframe parts to fixedly attach together the first part of the aircraft airframe (6) and the second part of the aircraft airframe thereby producing the part of the aircraft airframe (4).

No. of Pages : 39 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035175 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : FLEXIBLE ELECTRICAL ISOLATION DEVICE

(51) International classification :F16G11/05,H02G1/04,H02G15/24
(31) Priority Document No :61/968543
(32) Priority Date :21/03/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/021876
Filing Date :20/03/2015
(87) International Publication No :WO 2015/143402
(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)PALMER Robert Wayne
3)GREER Jody Milton
4)BOUDREAU Michael Howard

(57) Abstract :
An electrical isolator includes a flexible non electrically conductive membrane and an inelastic flexible dielectric member journalled in the membrane and extending from the first end of the membrane to the second end of the membrane. First and second coupling members are anchored to the ends of the dielectric member. The ends of the membrane are mated in sealed engagement with the coupling members so that the coupling members fluidically seal the ends of the membrane and fluidically seal the dielectric member within the membrane. The membrane is filled with a dielectric fluid so as to displace any air in the membrane and the dielectric member. The coupling members are adapted to couple to objects at opposite ends of the electrical isolator.

No. of Pages : 16 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035176 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD FOR MAKING BISMUTH CONTAINING LIQUID PHARMACEUTICAL SUSPENSIONS

(51) International classification :A61K9/10,A61K47/02,A61K47/36
(31) Priority Document No :61/985653
(32) Priority Date :29/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/028215
Filing Date :29/04/2015
(87) International Publication No :WO 2015/168241
(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)FITCH Edward Paul V
3)HO Derrick
4)WHITE JR Daniel Jerome
5)TUNIS Adam Michael

(57) Abstract :
A method of producing a liquid pharmaceutical suspension by mixing magnesium aluminum silicate gellan gum bismuth subsalicylate and methyl cellulose.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035422 A
(19) INDIA
(22) Date of filing of Application :17/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : ELEMENT FOR DISPENSING A MIXTURE OF WATER AND COSMETIC PRODUCT ASSOCIATED DEVICE AND METHOD

(51) International classification	:B05B7/04,B05B7/24,E03C1/046	(71)**Name of Applicant :**
(31) Priority Document No	:1453871	**1)LOREAL**
(32) Priority Date	:29/04/2014	Address of Applicant :14 rue Royale F 75008 Paris France
(33) Name of priority country	:France	(72)**Name of Inventor :**
(86) International Application No	:PCT/EP2015/059293	**1)FARCET CÃ©line**
Filing Date	:29/04/2015	**2)GILBERT Laurent**
(87) International Publication No	:WO 2015/165938	**3)DELISLE Ronan**
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
The element comprises: a hollow body; a receptacle (40) for receiving a cosmetic product housed in the hollow body; a conduit (42) for supplying water into the receptacle (40); a nozzle (50) for dispensing the mixture of water and cosmetic product from the dispensing element. The element comprises an inner water dispensing nozzle (44) connected to the water supply conduit (42) the inner nozzle (44) protruding into the receptacle (40) to define a chamber (46) for mixing water and the cosmetic product contained in the receptacle (40).

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035424 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : PROCESS FOR THE PREPARATION OF 5-FLUORO-ii/-PYRAZOLES STARTING FROM HEXAFLUOROP -ROPENE

(51) International classification :C07D401/14,C07D231/16,C07D403/04
(31) Priority Document No :14169990.0
(32) Priority Date :27/05/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/061540
Filing Date :26/05/2015
(87) International Publication No :WO 2015/181139
(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)BAYER CROPSCIENCE AKTIENGESELLSCHAFT
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(72)**Name of Inventor :**
1)PAZENOK Sergii
2)LUI Norbert
3)FUNKE Christian

(57) Abstract :
A new process for the preparation of 5 fluoro 1/Z pyrazoles of the general formula (I)as described herein and further reactions with this compound.

No. of Pages : 58 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035425 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : GEMCITABINE PRODRUGS

(51) International classification :C07H19/10,A61K31/7068,A61P35/00
(31) Priority Document No :1411253.6
(32) Priority Date :25/06/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2015/051857
Filing Date :25/06/2015
(87) International Publication No :WO 2015/198058
(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)GRIFFITH Hugh
2)MCGUIGAN Christopher
3)SLUSARCZYK Magdalena
4)SERPI Michaela
5)FERRARI Valentina

(57) Abstract :
Prodrug This invention relates to a prodrug of the monophosphate nucleotide of the well known oncology drug gemcitabine. Specifically it relates to gemcitabine [phenyl benzoxy L alaninyl)] phosphate when present as a single phosphate diastereoisomer and in particular it relates to the (S) phosphate diastereoisomerwhich offers a remarkable and unexpected increase in solubility relative to the (R) diastereoisomer. The (S) phosphate epimer is also preferentially taken up into cyclodextrin solutions over the (R) diastereoisomer.

No. of Pages : 32 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035426 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : MEDICATION INJECTOR WITH CAPACITIVE FILL LEVEL MEASUREMENT CAPACITY AND CONTACT SENSOR

(51) International classification	:A61M5/24,A61M5/31,A61M5/315
(31) Priority Document No	:A50283/2014
(32) Priority Date	:15/04/2014
(33) Name of priority country	:Austria
(86) International Application No	:PCT/AT2015/050061
Filing Date	:09/03/2015
(87) International Publication No	:WO 2015/157785
(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)AIT AUSTRIAN INSTITUTE OF TECHNOLOGY GMBH
(72)**Name of Inventor :**
1)BAMMER Manfred
2)SCHMID Gernot
3)PUTZ Otmar

(57) Abstract :
The invention relates to a medication injector (100) for dispensing liquid medications to people. The injector comprises a container (1) which is filled with the liquid (12) and which has an opening (11) at one end for dispensing the liquid (12) and comprises at least one pair of capacitive measuring electrodes (21 22) arranged opposite each other in the outer region of the container (1) in particular on the wall for determining the permittivity of the respective medium in the intermediate region between the measuring electrodes said measuring electrodes being used by the injector to determine the fill level of the container. A shielding (3) is provided which surrounds the measuring electrodes (21 22) in the manner of a sheath is arranged around the container (1) and reduces possible external interfering influences on the capacitive measurement such as those resulting from contact for example. Additionally a contact sensor (5) is provided which can mark the measurement as invalid.

No. of Pages : 35 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035440 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : A PROTEIN SECRETORY FACTOR WITH HIGH SECRETORY EFFICIENCY AND AN EXPRESSION VECTOR COMPRISING THE SAME

(51) International classification	:C07K14/47,C12N15/12,C12N15/85
(31) Priority Document No	:1020140052752
(32) Priority Date	:30/04/2014
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2015/004389
Filing Date	:30/04/2015
(87) International Publication No	:WO 2015/167278
(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)KIM Seung Hae
2)KIM Yeon Chul
3)JUNG Saem

(57) Abstract :
The present invention relates to a novel protein secretion factor a vector including a nucleic acid sequence encoding the protein secretion factor and a transformed cell into which the vector is introduced. The invention also relates to a method of producing a target protein using the transformed cell including the vector.

No. of Pages : 37 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035462 A
(19) INDIA
(22) Date of filing of Application :17/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : HYDRAULIC MACHINE WITH RADIAL PISTONS COMPRISING A CASING NOT EXHIBITING SYMMETRY OF REVOLUTION

(51) International classification :F04B1/047,F03C1/24,F03C1/247
(31) Priority Document No :1453747
(32) Priority Date :25/04/2014
(33) Name of priority country :France
(86) International Application No :PCT/EP2015/058875
Filing Date :24/04/2015
(87) International Publication No :WO 2015/162237
(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 :Route de CompiÃ¨gne F 60410 Verberie France
(72)**Name of Inventor :**
1)LUCIENNE Philippe
2)LEMAIRE Gilles

(57) Abstract :
The present invention relates to a hydraulic machine comprising a casing (100) a multi lobed cam (200) a cylinder block (300) comprising a plurality of cylinders (310) pistons (500) translationally mobile in the cylinders (310) and resting against the lobes of the cam (200) and a fluid distribution assembly connected to the cylinders the cam (200) and the cylinder block (310) being capable of relative rotation about an axis of rotation (O O) and is characterized in that the outer envelope of the casing (100) does not exhibit symmetry of revolution about the axis of rotation (O O) and has a smaller dimension opposite a cam sector (110) that has no function lobe.

No. of Pages : 8 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035177 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHODS KITS AND APPARATUS FOR EXPANDING A POPULATION OF CELLS

(51) International classification :G01N1/30,G01N33/557,C12N5/0783
(31) Priority Document No :61/980506
(32) Priority Date :16/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2015/058339
Filing Date :16/04/2015
(87) International Publication No :WO 2015/158868
(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 :Rudolf Wissell Str. 28 37079 Goettingen Germany
(72)**Name of Inventor :**
1)GERMEROTH Lothar
2)STEMBERGER Christian

(57) Abstract :
The present invention relates to in vitro methods of expanding a population of cells such as lymphocytes comprising contacting a sample comprising a population of cells with a multimerization reagent. The multimerization reagent has reversibly immobilized thereon (bound thereto) a first agent that provides a primary activation signal to the cells and optionally a second agent that provides a co stimulatory signal. The invention also provides multimerization reagents kits arrangements and an apparatus for expanding cells.

No. of Pages : 75 No. of Claims : 148

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035178 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : BISMUTH CONTAINING LIQUID PHARMACEUTICAL SUSPENSIONS

(51) International classification :A61K9/08,A61K47/36,A61K31/29
(31) Priority Document No :61/985650
(32) Priority Date :29/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/028216
Filing Date :29/04/2015
(87) International Publication No :WO 2015/168242
(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)WHITE Daniel Jerome Jr.
2)GODLEWSKI Michael Selden
3)GULBIN Timothy Charles
4)MYATT Graham John

(57) Abstract :
A liquid pharmaceutical suspension for oral administration containing a bismuth containing pharmaceutical agent a suspension system and water. The suspension system can contain from about 0.001% to about 0.2% gellan gum and from about 0.001% to about 0.75% magnesium aluminum silicate.

No. of Pages : 24 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035179 A
(19) INDIA
(22) Date of filing of Application :14/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : FABRIC CARE COMPOSITIONS COMPRISING POLYURETHANE POLYUREA AND/OR POLYURETHANEUREA POLYMERS

(51) International classification :C11D3/37,D06M15/643
(31) Priority Document No :61/985637
(32) Priority Date :29/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/028108
Filing Date :29/04/2015
(87) International Publication No :WO 2015/168194
(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)PANANDIKER Rajan Keshav
2)KLUESENER Bernard William
3)MENKHAUS Julie Ann

(57) Abstract :
The present disclosure relates to compositions and systems comprising fit retention polymers and methods of making and using the same. Methods of using such compositions including contacting a fabric with the fabric care composition are also disclosed.

No. of Pages : 58 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016

(21) Application No.201617035180 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : ROD ROTATION APPARATUS

(51) International classification	:E21B19/08,E21B15/00,E21B17/00
(31) Priority Document No	:2014901529
(32) Priority Date	:28/04/2014
(33) Name of priority country	:Australia
(86) International Application No	:PCT/AU2015/000252
Filing Date	:28/04/2015
(87) International Publication No	:WO 2015/164911
(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)DRILL RIG SPARES PTY LTD
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(72)**Name of Inventor :**
1)PITCHER Ian

(57) Abstract :
An apparatus for rotating a tube or rod is provided. The tube or rod is supported from a mast of a rig and for insertion into a well. The apparatus includes a rotation member for rotating the tube or rod. The rotation member is mounted on the well such that in use the tube or rod is fed into the rotation member from above the rotation member and into the well.

No. of Pages : 24 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035190 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : TRANSDUCER WHICH USES FIBERS AND USES ELECTRIC SIGNAL AS OUTPUT OR INPUT

(51) International classification :H01L41/193,D03D1/00,D03D15/00
(31) Priority Document No :2014084392
(32) Priority Date :16/04/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/061301
Filing Date :07/04/2015
(87) International Publication No :WO 2015/159832
(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)KANSAI UNIVERSITY
(72)**Name of Inventor :**
1)TAJITSU Yoshiro
2)ONO Yuhei
3)UCHIYAMA Akihiko
4)YAMAMOTO Tomoyoshi

(57) Abstract :
The purpose of the present invention is to provide a very flexible dishcloth shaped transducer by using a general purpose fibrous material and fabricating a conventional woven and knitted structure. The present invention is a transducer which includes piezoelectric units each including two conductive fibers and one piezoelectric fiber that are arranged in the order of the conductive fiber the piezoelectric fiber and the conductive fiber on approximately the same plane and uses an electric signal as an output or an input.

No. of Pages : 56 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035194 A
(19) INDIA
(22) Date of filing of Application :14/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : AUDIO SIGNAL CLASSIFICATION AND CODING

(51) International classification :G10L25/18,G10L19/20
(31) Priority Document No :61/993639
(32) Priority Date :15/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/SE2015/050531
Filing Date :12/05/2015
(87) International Publication No :WO 2015/174912
(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)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
Address of Applicant :SE 164 83 Stockholm Sweden
(72)**Name of Inventor :**
1)NORVELL Erik
2)BRUHN Stefan

(57) Abstract :
The invention relates to a codec and a signal classifier and methods therein for signal classification and selection of a coding mode based on audio signal characteristics. A method embodiment to be performed by a decoder comprises for a frame m: determining a stability value D(m) based on a difference in a transform domain between a range of a spectral envelope of frame m and a corresponding range of a spectral envelope of an adjacent frame m 1. Each such range comprises a set of quantized spectral envelope values related to the energy in spectral bands of a segment of the audio signal. The method further comprises selecting a decoding mode out of a plurality of decoding modes based on the stability value D(m); and applying the selected decoding mode.

No. of Pages : 36 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035463 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : ANTIBODIES THAT BIND HUMAN CANNABINOID 1 (CB1) RECEPTOR

(51) International classification :C07K16/28,A61K39/395,A61P3/00
(31) Priority Document No :PCT/CN2014/074199
(32) Priority Date :27/03/2014
(33) Name of priority country :China
(86) International Application No :PCT/US2015/023108
Filing Date :27/03/2015
(87) International Publication No :WO 2015/148984
(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)KRETZ ROMMEL Anke
2)SHI Lei
3)FERRINI Roger
4)YANG Teddy
5)XU Fei
6)CAMPION Brian

(57) Abstract :
The present invention relates to novel antibodies and fragments thereof that binds cannabinoid 1 (CB1) receptor. The antibodies and fragments thereof as disclosed herein include humanized antibodies that bind CB1 receptor. The invention also includes uses of the antibodies for treating a disease or disorder responsive to antagonism or agonism of the CB1 receptor.

No. of Pages : 135 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035478 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : ULTRASONIC SURGICAL INSTRUMENT WITH END EFFECTOR HAVING RESTRICTED ARTICULATION

(51) International classification :A61B17/32
(31) Priority Document No :62/176880
(32) Priority Date :22/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/026322
Filing Date :17/04/2015
(87) International Publication No :WO 2015/164193
(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)DICKERSON Benjamin D.
3)FALLER Craig N.
4)FOX William D.
5)MONROE David A.
6)STOKES Michael J.
7)WEISENBURGH II William B.
8)WORRELL Barry C.
9)OLSON William A.
10)STULEN Foster B.

(57) Abstract :
An apparatus comprises a body assembly a shaft an acoustic waveguide an articulation section an end effector and an articulation drive assembly. The shaft extends distally from the body assembly and defines a longitudinal axis. The acoustic waveguide comprises a flexible portion. The articulation section is coupled with the shaft. A portion of the articulation section encompasses the flexible portion of the waveguide. The articulation section comprises a plurality of body portions aligned along the longitudinal axis and a flexible locking member. The flexible locking member is operable to secure the body portions in relation to each other and in relation to the shaft. The end effector comprises an ultrasonic blade in acoustic communication with the waveguide. The articulation drive assembly is operable to drive articulation of the articulation section to thereby deflect the end effector from the longitudinal axis.

No. of Pages : 88 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035480 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : AMINO PYRIDINE DERIVATIVES AS PHOSPHATIDYLINOSITOL 3 KINASE INHIBITORS

(51) International classification	:C07D401/14,C07D413/14,C07D213/73
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/IB2014/060985 :24/04/2014
(87) International Publication No	:WO 2015/162456
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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1)BELLENIE Benjamin Richard
2)BLOOMFIELD Graham Charles
3)BRUCE Ian
4)CULSHAW Andrew James
5)HALL Edward Charles
6)HOLLINGWORTH Gregory
7)NEEF James
8)SPENDIFF Matthew
9)WATSON Simon James

(57) Abstract :
The present invention provides compounds of formula (I) which inhibit the activity of PI 3 kinase gamma isoform which are useful for the treatment of diseases mediated by the activation of PI 3 kinase gamma isoform.

No. of Pages : 361 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035482 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : OCT TRANSPARENT SURGICAL INSTRUMENTS AND METHODS

(51) International classification :A61B17/30,A61F9/007
(31) Priority Document No :62/012073
(32) Priority Date :13/06/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2015/062867
Filing Date :09/06/2015
(87) International Publication No :WO 2015/189227
(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 :Lichtstrasse 35 CH 4056 Basel Switzerland
(72)**Name of Inventor :**
1)GRUEEBLER Reto
2)SCHALLER Philipp

(57) Abstract :
An ophthalmic instrument includes a shaft comprising a lumen. The instrument also includes a first arm extending from the lumen the first arm having a first distal portion having a first flat tip. The instrument also includes a second arm extending from the lumen the second arm having a second distal portion having a second flat tip that is positioned such that the second flat tip contacts the first flat tip when the first arm is forced towards the second arm. The first arm and the second arm comprise at least in part a first material that is substantially transparent to electromagnetic radiation having a wavelength within a range of about 700 1200 nanometers (nm) and is substantially opaque to electromagnetic radiation having a wavelength within a range of about 400 700 nm.

No. of Pages : 12 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035483 A
(19) INDIA
(22) Date of filing of Application :17/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : DISPERSION ENCODED FULL RANGE OPTICAL COHERENCE TOMOGRAPH

(51) International classification :G01B9/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2014/062666
Filing Date :17/06/2014
(87) International Publication No :WO 2015/192886
(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 :Am Wolfsmantel 5 91058 Erlangen Germany
(72)**Name of Inventor :**
1)MASSOW Ole
2)LOERNER Johannes

(57) Abstract :
An apparatus for optical coherence tomography comprises: a light source (210); a first arm including a first dispersive optical assembly (220 234 230) inducing a first amount of dispersion into light coming from the light source and traversing the first arm the first arm configuring one of a sample arm and a reference arm of an interferometer; a second arm including a second dispersive optical assembly (220 244 246 248; 520) inducing a second amount of dispersion into light coming from the light source and traversing the second arm the second arm configuring the other of the sample arm and reference arm the second amount of dispersion being larger than the first amount of dispersion; a processing unit (262) configured to process an interferometry signal to perform Dispersion Encoded Full Range optical coherence tomography the interferometry signal representative of a superposition of the light from the first arm and the light from the second arm wherein for any sub assembly of one or more optical elements of the second dispersive optical assembly an amount of dispersion induced by the sub assembly into the light traversing the second arm is different from the first amount of dispersion.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016

(21) Application No.201617035201 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : AMINO PYRAZINE DERIVATIVES AS PHOSPHATIDYLINOSITOL 3 KINASE INHIBITORS

(51) International classification	:C07D401/14,C07D405/14,C07D401/04
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/IB2014/060988 :24/04/2014
(87) International Publication No	:WO 2015/162459
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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8)SPENDIFF Matthew
9)WATSON Simon James

(57) Abstract :
The present invention provides compounds of formula (I) which inhibit the activity of PI 3 kinase gamma isoform which are useful for the treatment of diseases mediated by the activation of PI 3 kinase gamma isoform.

No. of Pages : 377 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035202 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : PYRAZINE DERIVATIVES AS PHOSPHATIDYLINOSITOL 3 KINASE INHIBITORS

(51) International classification	:C07D401/04,C07D403/04,C07D403/14
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/IB2014/060991 :24/04/2014
(87) International Publication No	:WO 2015/162461
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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5)NEEF James
6)SPENDIFF Matthew
7)WATSON Simon James

(57) Abstract :
The present invention provides compounds of formula (I) which inhibit the activity of PI 3 kinase gamma isoform which are useful for the treatment of diseases mediated by the activation of PI 3 kinase gamma isoform.

No. of Pages : 85 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035203 A
(19) INDIA
(22) Date of filing of Application :14/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD FOR DETERMINING ANTIBODY SPECIFICITY

(51) International classification :G01N33/68,A61K47/48
(31) Priority Document No :14168317.7
(32) Priority Date :14/05/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/060179
Filing Date :08/05/2015
(87) International Publication No :WO 2015/173135
(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)VETTERLEIN Olivia
3)JOSE Joby
4)KIRBY Hishani

(57) Abstract :
The present invention relates to a method for determining antibody specificity whether a multivalent antibody is monospecific particularly whether a bivalent antibody is monospecific or bispecific. Furthermore the invention provides a method for quantifying the amount of bispecific bivalent antibody present in a sample.

No. of Pages : 18 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035208 A
(19) INDIA
(22) Date of filing of Application :14/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : GAS CIRCUIT BREAKER

(51) International classification :H01H33/915
(31) Priority Document No :2014062590
(32) Priority Date :25/03/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/054620
Filing Date :19/02/2015
(87) International Publication No :WO 2015/146390
(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)IIJIMA Takanori
3)KATO Norimitsu
4)FURUTA Hiroshi
5)ISHII Takato
6)MORI Tadashi

(57) Abstract :
The objective of the present invention is to lower the temperature of the blast gas increase durability reduce maintenance shorten the time for interrupting the current reduce the drive operation energy and stabilize gas flow. A pair of fixed arc electrodes (35a 35b) are disposed so as to be opposite from one another inside a sealed container filled with an arc quenching gas (1). A small diameter rod shaped trigger electrode (34) is configured to be freely movable between the fixed arc electrodes (35a 35b). An insulation nozzle (81) is disposed so as to surround the trigger electrode (34). In addition an accumulation chamber (42) for accumulating a gas comprising the pressurized arc quenching gas (1) is provided and an opening closing portion for bringing the accumulation chamber (42) into a closed state or an open state is provided. The opening closing portion has a gap portion between the arc electrode (35b) and the trigger electrode (34) and a gap portion between the insulation nozzle (81) and the trigger electrode (34); a closing portion (45) is formed by bringing the gap portions in a closed state through the movement of the trigger electrode (34).

No. of Pages : 36 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035209 A
(19) INDIA
(22) Date of filing of Application :14/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : PROCESS AND DEVICE FOR PRODUCING FUEL HYDROCARBON OIL

(51) International classification :C10L1/00
(31) Priority Document No :2014069467
(32) Priority Date :28/03/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/059966
Filing Date :30/03/2015
(87) International Publication No :WO 2015/147322
(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)KATO Atsushi

(57) Abstract :
Provided are a method and a device with which carbon dioxide is used as a starting material to yield methanol without requiring high temperature high pressure conditions or the addition of hydrogen and fuel hydrocarbons such as gas oil or heavy oil are produced in a satisfactory yield. The method is a method for increasing the amount of a hydrocarbon oil characterized by: mixing methanol with water into which air has been bubbled in the presence of a catalyst; mixing the resultant liquid mixture with the feed hydrocarbon oil to produce an emulsion; and contacting this emulsion with a gas or aqueous solution which contains carbon dioxide.

No. of Pages : 38 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035210 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : KIOSK SYSTEM FOR DOWNLOADING MEDIA CONTENT

(51) International classification :H04L12/911,H04L29/08,H04L12/805
(31) Priority Document No :61/967946
(32) Priority Date :28/03/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/023426
Filing Date :30/03/2015
(87) International Publication No :WO 2015/149082
(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)WINSTON Jason
2)ZAMORANO Carlos
3)READE Colin M.
4)BUSCHER Matthew

(57) Abstract :
A method system and apparatus including a program encoded on computer readable medium for downloading media content files to mobile devices includes downloading media files from local storage on a kiosk to a mobile device over a high speed wireless communication link using an application on the mobile device. A message can be sent to the mobile device to provide notification of a proximity of the device to a kiosk when a location of the device satisfies predetermined criteria associated with a location of the kiosk and a download can be initiated after authenticating the device. In addition a battery charging service for charging the mobile device can be authorized through a charging port of a charging station in response to detecting the installed application on the mobile device. A file can be downloaded from a particular solid state drive in accordance with a file system detected for the device.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035217 A
(19) INDIA
(22) Date of filing of Application :14/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : DOUBLE BACKBONE CORE FOR AUTOMATED DOOR ASSEMBLY LINE DOOR COMPRISING SAME AND METHOD OF USING SAME

(51) International classification :E04C2/34,E06B3/70,E06B3/72
(31) Priority Document No :61/968153
(32) Priority Date :20/03/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/021665
Filing Date :20/03/2015
(87) International Publication No :WO 2015/143269
(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)PARISH James G.

(57) Abstract :
The present invention relates to a double backbone core for automated hollow door manufacture and a door comprising same. The double backbone core comprises an expandable core component comprising two backbones with relatively smaller cells running parallel to one another along the length dimension of the door wherein the core is formed from a plurality of interconnected strips.

No. of Pages : 13 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035218 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : TOPICAL CORTICOSTEROID COMPOSITIONS

(51) International classification :A61K9/12,A61K47/10
(31) Priority Document No :14/645338
(32) Priority Date :11/03/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/049244
Filing Date :09/09/2015
(87) International Publication No :WO 2016/144381
(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)SAHUKAR Priyadarshani
3)OKUMU Franklin

(57) Abstract :
Compositions for the topical administration of an active agent comprise a corticosteroid and a fatty alcohol as a skin penetration enhancer in the form of topical sprays. Processes for preparing such compositions and methods of using them in management of skin diseases or disorders such as psoriasis dermatoses and other associated skin diseases or disorders are described.

No. of Pages : 73 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016

(21) Application No.201617035220 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : PRODRUGS OF HIV REVERSE TRANSCRIPTASE INHIBITORS

(51) International classification	:A61K31/501,A61K31/506,A61K31/513
(31) Priority Document No	:61/973689
(32) Priority Date	:01/04/2014
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2015/022868 :27/03/2015
(87) International Publication No	:WO 2015/153304
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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1)BURGEY Christopher S.
2)FRITZEN Jeffrey F.
3)BALSELLS Jaume
4)PATEL Mehul

(57) Abstract :
Compounds of Formula I are described: wherein Rand R are defined herein. The compounds of Formula I are useful in the inhibition of HIV reverse transcriptase the prophylaxis and treatment of infection by HIV and the prophylaxis delay in the onset or progression and treatment of AIDS. The compounds can be employed as ingredients in pharmaceutical compositions optionally in combination with other antivirals immunomodulators antibiotics or vaccines.

No. of Pages : 54 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035222 A
(19) INDIA
(22) Date of filing of Application :14/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : THROTTLE DEVICE AND REFRIGERATION CYCLE SYSTEM INCLUDING SAME

(51) International classification :F16K17/30,F16K1/34
(31) Priority Document No :2014085568
(32) Priority Date :17/04/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/001799
Filing Date :27/03/2015
(87) International Publication No :WO 2015/159491
(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)TAKADA Yasumasa
2)TOYAMA Yuichiro

(57) Abstract :
A throttle device in which when a tapered section (20P) of a needle member (20) having a taper angle (2?) closes a valve port (22a) the length (X) from a position (20PS) to a distal end surface along a center axis line of the tapered section (20P) inserted into the valve port (22a) is set to a value equal to or greater than a prescribed amount of lift (L Ã— cos?) the position (20PS) corresponding to an edge (22as) of the valve port (22a).

No. of Pages : 22 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035223 A
(19) INDIA
(22) Date of filing of Application :14/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD FOR COUPLING A FIRST AROMATIC COMPOUND TO A SECOND AROMATIC COMPOUND

(51) International classification :C07B37/04
(31) Priority Document No :61/971671
(32) Priority Date :28/03/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/023008
Filing Date :27/03/2015
(87) International Publication No :WO 2015/148931
(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)WHITEKER Gregory T.
3)OBER Matthias S.
4)KRUPER William J. Jr.
5)KRASOVSKIY Arkady L.

(57) Abstract :
In one aspect there is provided a method of coupling a first aromatic compound having a fluorosulfonate substituent to a second aromatic compound having a boron containing substituent. In another aspect there is provided a method of coupling a first aromatic compound having a hydroxyl substituent to a second aromatic compound having a boron containing substituent in a one pot reaction.

No. of Pages : 33 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035229 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : CYCLODEXTRIN AND BUDESONIDE DERIVATIVE COMPOSITIONS AND METHODS

(51) International classification :A61K31/58,A61K9/00,A61K47/48
(31) Priority Document No :61/972209
(32) Priority Date :28/03/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2015/056929
Filing Date :30/03/2015
(87) International Publication No :WO 2015/144938
(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)MAES Paul

(57) Abstract :
The present invention relates to novel and useful pharmaceutical compositions formulated with a cyclodextrin compound and a budesonide derivative for the treatment and/or prevention of pulmonary inflammatory disease. The present invention also relates to a novel and useful analytical technique for the detection and the quantification of ?? ÃŸ CD in solution. More specifically the present invention relates to the use of a validated 1H NMR analysis for the detection and quantification of cyclodextrins directly in pharmaceutical formulations without any extraction or separation steps for liquid formulations.

No. of Pages : 45 No. of Claims : 58

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038933 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHODS AND APPARATUSES FOR REDUCING HEAT LOSS FROM EDGE DIRECTORS

(51) International classification :C03B17/06
(31) Priority Document No :14/278582
(32) Priority Date :15/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/030487
Filing Date :13/05/2015
(87) International Publication No :WO 2015/175607
(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)FRANZEN David Scott
4)GLOVER Brendan William
5)GRZESIK Paul Richard
6)KOCATULUM Bulent
7)PENG Gaozhu
8)STEPHENSON Michael John

(57) Abstract :
An apparatus and methods for making a glass ribbon includes a forming wedge with a pair of inclined forming surface portions converging along a downstream direction to form a root. The apparatus further includes an edge director intersecting with at least one of the pair of downwardly inclined forming surface portions and a replaceable heating cartridge configured to direct heat to the edge director and thermally shield the edge director from heat loss. A replaceable heating cartridge is also provided for directing heat to the edge director and thermally shielding the edge director from heat loss.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038934 A
(19) INDIA
(22) Date of filing of Application :15/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : LAMELLA SETTLER

(51) International classification :B01D21/00
(31) Priority Document No :14505184
(32) Priority Date :30/04/2014
(33) Name of priority country :Sweden
(86) International Application No :PCT/SE2015/050481
Filing Date :29/04/2015
(87) International Publication No :WO 2015/167396
(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 :
A lamella settler (1) comprises a basin (10) with an inlet for liquid to be cleaned and a sludge outlet and with a plurality of outlet openings (12) for cleaned liquid. Each of a plurality of outlet flumes (16)connects to one of the plurality of outlet openings (12). A plurality of lamella plates are (18) attached to adjacent flumes (16). By providing a plurality of transverse beams (14)above the basin (10) wherein the outlet flumes (16)are supported by the beams (14) an improved lamella settler is achieved which is easier to manufacture and assemble and which has improved characteristics.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038935 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : ACOUSTIC CEILING BOARD WITH IMPROVED AESTHETICS

(51) International classification :E04B1/86,E04B9/04
(31) Priority Document No :14/280362
(32) Priority Date :16/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/030684
Filing Date :14/05/2015
(87) International Publication No :WO 2015/175733
(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)WELLS Chris
3)EBERT Oliver
4)WINKLER Alfred

(57) Abstract :
Described herein are acoustical panels comprising: a substrate; a non woven veil having an airflow resistance of greater than 45 mks rayls comprising: from about 20 wt.% to about 60 wt.% glass fibers; from about 40 wt.% to about 80 wt.% of a filler; and from about 110 dry g/m to about 135 dry g/m of a coating. Methods of making and using the panels are also described.

No. of Pages : 18 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038936 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : MONOCLONAL ANTIBODIES SPECIFIC FOR CRY1CA AND RELATED DETECTION METHODS

(51) International classification :C07K14/325
(31) Priority Document No :61/985654
(32) Priority Date :29/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/027198
Filing Date :23/04/2015
(87) International Publication No :WO 2015/167912
(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)SHAN Guomin
3)GLANCY Todd P.
4)CANADA Sarah E.

(57) Abstract :
Described herein are murine monoclonal antibodies and methods useful for determining and quantitating the presence of Cry1Ca delta endotoxin. The claimed antibodies specifically bind the core toxin region making them suitable for detecting the native full length Cry1Ca toxin as well as the amino core toxin and N terminal 29 residue truncated forms.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038937 A
(19) INDIA
(22) Date of filing of Application :15/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : ALUMINOSILICATE GLASSES

(51) International classification :C03C3/093
(31) Priority Document No :61/993711
(32) Priority Date :15/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/030444
Filing Date :13/05/2015
(87) International Publication No :WO 2015/175581
(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)ELLISON Adam James
3)KING Ellen Anne

(57) Abstract :
Described herein are alkali free boroalumino silicate glasses exhibiting desirable physical and chemical properties for use as substrates in flat panel display devices such as active matrix liquid crystal displays (AMLCDs) and active matrix organic light emitting diode displays (AMOLEDs). In accordance with certain of its aspects the glasses possess good dimensional stability as a function of temperature.

No. of Pages : 28 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016

(21) Application No.201617038938 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : NOVEL CANNABIDIOL QUINONE DERIVATIVES

(51) International classification :C07C69/75,C07C225/28
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2014/057767
Filing Date :16/04/2014
(87) International Publication No :WO 2015/158381
(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)APPENDINO Giovanni
2)BELLIDO CABELLO DE ALBA MarÃa Luz
3)MUÃ‘OZ BLANCO Eduardo

(57) Abstract :
The present invention relates to novel cannabidiol quinone derivatives of formula (I) (I) wherein R is the carbon atom of a linear or branched group represented by: alkyl aryl alkenyl alkynyl acyl or alkoxycarbonyl groups; or wherein R is the nitrogen atom of a linear or branched group represented by: alkylamine arylamine alkenylamineor alkynylamine groups. The invention also relates to the use of any of the compounds of formula (I)as medicamentsin therapy particularly for treating diseasesand conditions responsive to PPARg modulationdue to their high PPARg agonistic effect lacking electrophilic (Nrf2 activation) and cytotoxic activities. This invention also provides pharmaceutical compositions comprising said compounds and method of treating diseases with said compounds.

No. of Pages : 46 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201614022016 A
(19) INDIA
(22) Date of filing of Application :27/06/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : SURGICAL MICROSCOPE WITH INTEGRATED OPTICAL COHERENCE TOMOGRAPHY AND DISPLAY SYSTEMS

(51) International classification :A61B3/10
(31) Priority Document No :14/827473
(32) Priority Date :17/08/2015
(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 :**
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2)HUGANG REN
3)VADIM SHOFMAN
4)LINGFENG YU

(57) Abstract :
An ophthalmic surgical microscope includes a beam coupler positioned along an optical path of the surgical microscope between a first eyepiece and magnifying/focusing optics, the beam coupler operable to direct the OCT imaging beam along a first portion of the optical path of the surgical microscope between the beam coupler and a patientâ€™s eye (an OCT image being generated based on a reflected portion of the OCT imaging beam). The surgical microscope additionally includes a real-time data projection unit operable to project the OCT image generated by the OCT system and a beam splitter positioned along the optical path of the surgical microscope between a second eyepiece and the magnifying/focusing optics. The beam splitter is operable to direct the projected OCT image along a second portion of the optical path of the surgical microscope between the beam splitter and the second eyepiece such that the projected OCT image is viewable through the second eyepiece.

No. of Pages : 31 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617039108 A
(19) INDIA
(22) Date of filing of Application :16/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : ORAL COMPOSITION FOR IMPROVING SYSTEMIC SYMPTOMS INCLUDING SENSITIVITY TO COLD

(51) International classification :A61K36/87,A61P19/00,A61P19/02
(31) Priority Document No :2014108649
(32) Priority Date :27/05/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/EP2015/061453
Filing Date :22/05/2015
(87) International Publication No :WO 2015/181096
(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)KAWASE Ichiro
3)SAWAMURA Atsushi

(57) Abstract :
The invention provides an oral composition which can improve systemic symptoms such as sensitivity to cold. The oral composition includes as its effective component a red vine leaf extract to improve a symptom selected from the group consisting of sensitivity to cold general fatigue general weariness stiff shoulders and neck stiffness.

No. of Pages : 9 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039110 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : DUMMY BLOCK FOR EXTRUSION PRESS

(51) International classification :B21C26/00
(31) Priority Document No :62/001958
(32) Priority Date :22/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2015/050461
Filing Date :21/05/2015
(87) International Publication No :WO 2016/019453
(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)ROBBINS Paul Henry

(57) Abstract :
A dummy block for a metal extrusion press comprises a base having a first surface; an expandable collar seated against the base; a moveable plunger coupled to the base and accommodated by the collar the plunger having a second surface configured to abut against the first surface of the base; and an outer connecting ring coupling the collar to the base. The connecting ring comprises at least one feature engaging the base and a plurality of fingers engaging the collar.

No. of Pages : 8 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617039114 A
(19) INDIA
(22) Date of filing of Application :16/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : REMOVABLE CARTRIDGE FOR LIQUID DIFFUSION DEVICE AND CARTRIDGE INSERT THEREOF

(51) International classification :A61L9/14,A61M11/02,B05B1/26
(31) Priority Document No :61/982504
(32) Priority Date :22/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/026258
Filing Date :16/04/2015
(87) International Publication No :WO 2015/164186
(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)SWARD Nathan
3)TANNER Howard
4)WEENING Richard
5)KELLY Craig

(57) Abstract :
An insert of a cartridge for use with a liquid diffusing device is provided. The insert includes a body an inlet provided in the body to receive diffused liquid generated within the cartridge during operation of the liquid diffusing device an outlet zone defined at least in part by the body through which to discharge the diffused liquid toward an external environment and a tortuous passage extending between the inlet and the outlet zone to aid in further reducing an average particle size of the diffused liquid as the diffused liquid moves through the tortuous passage. Removable cartridges for use with a diffusion device are also provided which include such an insert.

No. of Pages : 31 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039115 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : REMOVABLE CARTRIDGE FOR LIQUID DIFFUSION DEVICE

(51) International classification :A61L9/14,A61M11/02,B05B1/26
(31) Priority Document No :61/982504
(32) Priority Date :22/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/026257
Filing Date :16/04/2015
(87) International Publication No :WO 2015/164185
(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)KELLY Craig

(57) Abstract :
A removable cartridge for use with a liquid diffusion device is provided. The removable cartridge includes a cartridge housing defining an internal housing cavity partially filled with a liquid to be diffused and a diffusion head positioned within the internal housing cavity with a venturi device for generating diffused liquid from the liquid contained in the internal housing cavity. The diffusion head defines at least a portion of a gas supply conduit that extends from a bottom end of the removable cartridge to the venturi device through the liquid to be diffused to enable the venturi device to be supplied with pressurized gas from an external source via the bottom end of the removable cartridge.

No. of Pages : 32 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201614008621 A
(19) INDIA
(22) Date of filing of Application :11/03/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : VEHICLE BODY BOTTOM STRUCTURE OF VEHICLE

(51) International classification	:B65D 90/00
(31) Priority Document No	:2015-161387
(32) Priority Date	:18/08/2015
(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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(57) Abstract :
To arrange two types of fuel tanks in a space that allows space saving and to increase the safety at a vehicle collision or the like without being influenced by position displacement, dropout, and the like of a CNG cylinder container in a vehicle provided with a bi-fuel engine that uses two types of fuel. [Solution] Provided is a vehicle body bottom structure of a vehicle including: side members 1 and 2 on left and right sides extending in a vehicle front-back direction; and a first cross member 3 connecting the side members 1 and 2, the vehicle using two types of fuel, wherein a first fuel tank 5 is arranged on a corner C1 on a vehicle front side of the first cross member 3, of corners C1 and C2 formed at joint portions between the side member 2 on the right side of the side members 1 and 2 and an end portion of the first cross member 3, a second fuel tank 6a is arranged on the corner C2 on a vehicle back side of the first cross member 3, near the side member 2 on the right side, and the first fuel tank 5 and the second fuel tank 6a are arranged at height and position overlapping the first cross member 3 as viewed from the front of the vehicle. [Selected Drawing] FIG. 2

No. of Pages : 22 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038589 A
(19) INDIA
(22) Date of filing of Application :11/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : MOLD FLUX FOR CONTINUOUS CASTING OF TI CONTAINING SUB PERITECTIC STEEL AND CONTINUOUS CASTING METHOD

(51) International classification :B22D11/108,B22D11/00
(31) Priority Document No :2014119918
(32) Priority Date :10/06/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/065859
Filing Date :02/06/2015
(87) International Publication No :WO 2015/190347
(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)HANAO Masahito
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3)ISHIBASHI Masatsugu

(57) Abstract :
The purpose of the present invention is to provide a mold flux which is capable of preventing the occurrence of a longitudinal crack in the surface of a cast slab during continuous casting of a sub peritectic steel that contains Ti. A mold flux according to the present invention is mainly composed of CaO SiO an oxide of an alkali metal and a fluorine compound and has f(1) of from (1.1 0.5 Ã— T) to (1.9 0.5 Ã— T) f(2) of from 0.05 to 0.40 and f(3) of from 0 to 0.40 as calculated from the initial chemical composition if T is the Ti content (mass%) in a molten steel. The content ratio of TiO in a molten state during the casting is 20% by mass or less and the ratio of the first peak intensity of perovskite to the first peak intensity of cuspidine in a mold flux film is 1.0 or less.

No. of Pages : 23 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038592 A
(19) INDIA
(22) Date of filing of Application :11/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : CRYSTALLINE FORM OF BARICITINIB

(51) International classification :A01N43/42
(31) Priority Document No :1184/DEL/2014
(32) Priority Date :01/05/2014
(33) Name of priority country :India
(86) International Application No :PCT/IB2015/053123
Filing Date :29/04/2015
(87) International Publication No :WO 2015/166434
(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)PRASAD Mohan

(57) Abstract :
The present invention provides a crystalline form of baricitinib a process for its preparation a pharmaceutical composition comprising it and its use for the treatment of JAK associated diseases.

No. of Pages : 8 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038594 A
(19) INDIA
(22) Date of filing of Application :11/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : WIPING NOZZLE OF HOT DIP METAL PLATING EQUIPMENT AND WIPING POSITION CONTROL DEVICE FOR HOT DIP METAL PLATING EQUIPMENT

(51) International classification :C23C2/20
(31) Priority Document No :2014101118
(32) Priority Date :15/05/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/062328
Filing Date :23/04/2015
(87) International Publication No :WO 2015/174234
(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)TANBARA Masao
3)YOSHIKAWA Masashi

(57) Abstract :
The present invention reduces the amount of gas consumed edge overcoating and splashing and adjusts plating thickness with high precision by providing a wiping nozzle with: thin plates (20) which are each inserted into a lip (21) from the entrances to the lip (21) for a specified distance to the inside of the two ends of the lip (21) in the sheet width direction in order to seal the gas jet where the thin plates are inserted and which are movable in the sheet width direction of the lip; and ropes (17) extending in the sheet width direction of the lip so as to track the movements of the thin plates (20) and seal the gas jet in a specified range.

No. of Pages : 23 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/11/2016
(21) Application No.201617038606 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : PORTABLE BRIAN ACTIVITY SENSING PLATFORM FOR ASSESSMENT OF VISUAL FIELD DEFICITS

(51) International classification :A61B3/024,A61B5/0478,A61B5/0484
(31) Priority Document No :61/981145
(32) Priority Date :17/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/026543
Filing Date :17/04/2015
(87) International Publication No :WO 2015/161300
(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)MEDEIROS Felipe A.

(57) Abstract :
Methods systems and devices are disclosed for monitoring electrical signals of the brain. In one aspect a system for monitoring electrical brain activity associated with visual field of a user includes a sensor unit to acquire electroencephalogram (EEG) signals including a plurality of EEG sensors attached to a casing attachable to the head of a user a visual display unit attachable to the head of the user over the user s eyes to present visual stimuli in which the visual stimuli is configured to evoke multifocal steady state visual evoked potentials (mfSSVEP) in the EEG signals exhibited by the user acquired by the sensor unit and a data processing unit in communication with the sensor unit and the visual display unit to analyze the acquired EEG signals and produce an assessment of the user s visual field in which the assessment indicates if there is a presence of visual field defects in the user s visual field.

No. of Pages : 26 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/11/2016
(21) Application No.201617038725 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD FOR CHARACTERIZING A HYDRAULIC COUPLING ELEMENT OF A PIEZO INJECTOR

(51) International classification :F02M65/00,F02M51/06,F02D41/20
(31) Priority Document No :10 2014 211 334.2
(32) Priority Date :13/06/2014
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2015/062092
Filing Date :01/06/2015
(87) International Publication No :WO 2015/189059
(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)GARGISO Tany
2)KRAMEL Manfred
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(57) Abstract :
A method is described for characterizing a coupling element which converts the translatory stroke of the piezo actuator of a piezo injector into a pressure differential opening the nozzle needle. A test activation of the piezo actuator with a very small charging current is carried out first and therefore the piezo actuator moves so slowly that the leakage flow produced prevents a pressure differential and therefore the nozzle needle remains closed. The piezo actuator is then discharged by means of a very high current such that the mechanical connection between piston and pin is released. The time from the beginning of the discharge until the piston strikes against the pin is measured and this time is used for characterizing the coupling element.

No. of Pages : 8 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/11/2016
(21) Application No.201617038727 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : POTENT AND SELECTIVE INHIBITORS OF HEPATITIS C VIRUS

(51) International classification :C07D403/14,A61K31/4178,A61P31/14
(31) Priority Document No :61/980016
(32) Priority Date :15/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/025903
Filing Date :15/04/2015
(87) International Publication No :WO 2015/160907
(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)MCBRAYER Tamara Rosario
4)SHI Junxing
5)AMBLARD Franck
6)ZHANG Hongwang
7)ZHOU Longhu
8)SCHINAZI Raymond F.

(57) Abstract :
The present invention is directed to compounds compositions and methods for treating or preventing hepatitis C virus (HCV) infection in human subjects or other animal hosts. The compounds are as also pharmaceutically acceptable salts prodrugs and other derivatives thereof as pharmaceutical compositions and methods for treatment or prevention of HCV infection.

No. of Pages : 46 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/11/2016
(21) Application No.201617038753 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : THE PRODUCTION OF HYDROGEN AND OTHER GASEOUS OR LIQUID PRODUCTS IN AN ACCELERATED BIOPROCESS

(51) International classification :C02F11/02,C02F11/04,C12P3/00
(31) Priority Document No :20140114
(32) Priority Date :16/04/2014
(33) Name of priority country :Finland
(86) International Application No :PCT/FI2015/000015
Filing Date :16/04/2015
(87) International Publication No :WO 2015/158950
(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 :
Method and apparatus for the production of hydrogen and other gaseous or liquid substances (such as 2 3 butanediol) formed with the help of microbes in conditions where the normal microbial metabolism (catabolism and anabolism) has been restricted by pH or temperature for example. Then carbon is not liberated into gaseous phase as fast as in more common microbial reactions. Carrier gas directed into organic waste or other biomass is helping in liberating molecular hydrogen into gaseous phase with the aid of microbial enzymes or electric phenomena at the same time when new hydrogen is binding into the biomass from water. Removed gases or combustion gases from the incineration plants can be directed back into bioprocess in some process alternatives together with lowering total carbon emission by these means. The production plant is planned in such a way that it can be situated in the midst of inhabitation.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/11/2016
(21) Application No.201617038760 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : CROSS LINKED COMPOSITION AND COSMETIC COMPOSITION COMPRISING THE SAME

(51) International classification :A61K8/891,A61Q5/12,A61Q5/02
(31) Priority Document No :61/984966
(32) Priority Date :28/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/027579
Filing Date :24/04/2015
(87) International Publication No :WO 2015/167963
(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)HALLER Roxanne
3)KADLEC Donald Anthony
4)NGUYEN Kimmai Thi
5)ZIMMERMAN Kenneth Edward

(57) Abstract :
A cross-linked composition comprises the reaction product of an organohydrogensiloxane and a cross-linker, in the presence of a hydrosilylation catalyst. The organohydrogensiloxane comprises siloxy units of average formula (I): (R 3SiOi/2)(R 2- Si0 2 2) (R1R Si0 2/2)b(R HSi0 2/2) c(R R Si0 2/2) d(R R Si0 2/2) -(R 3Si-Oi /2) . Each of R1 and R2 is an independently selected hydrogen atom or a substituted or unsubstituted hydrocarbyl group. R3 is a hydrogen atom or a group having at least one carboxyl group or a precursor thereof. R4 is an independently selected substituted or unsubstituted hydrocarbyl group. Further, a >0, b >0, c >1, d >0, and e >1. The cross-linker has at least two aliphatic unsaturated hydrocarbon groups. A method of forming the cross-linked composition comprises the steps of providing the or ganohydrogensiloxane and cross-linker, and combining the or ganohydrogensiloxane and cross-linker in the presence of the hydrosilylation catalyst to form the cross-linked composition. A cosmetic composition is provided that includes the cross-linked composition and at least one cosmetic component.

No. of Pages : 56 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038939 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : CYTOKININ SYNTHASE ENZYMES CONSTRUCTS AND RELATED METHODS

(51) International classification :C12N15/82,C12N5/10,C12N15/09
(31) Priority Document No :62/001849
(32) Priority Date :22/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/031942
Filing Date :21/05/2015
(87) International Publication No :WO 2015/179621
(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)BEESON IV William T.
2)WESTFALL Patrick John

(57) Abstract :
The present disclosure relates to a new class of cytokinin biosynthetic enzymes cytokinin synthases which have two domains: an isopentenyl transfer (IPT) like domain and a cytokinin nucleotide phosphoribohydrolase (PRH) like domain. The invention provides compositions and methods for the recombinant production of cytokinin synthase host cells and transformants that include the cytokinin synthases as well as compositions and formulations that include the disclosed cytokinin synthase.

No. of Pages : 85 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038940 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : SYSTEM FOR IMAGING AND ORIENTING SEEDS AND METHOD OF USE

(51) International classification :G06T7/00
(31) Priority Document No :61/989266
(32) Priority Date :06/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/029181
Filing Date :05/05/2015
(87) International Publication No :WO 2015/171569
(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)CICAK Toby
4)SARRIA Rodrigo
5)GILLESPIE David T.

(57) Abstract :
A system and method for the automated or semi automated imagining and orienting of seeds to prepare the seeds for transformation and transgenic engineering. A method and apparatus for automated seed preparation is disclosed. According to one aspect the method includes locating the seed on a surface or container engaging the seed with an automated tool orienting the seed for cutting or wounding and cutting or wounding the seed when the seed is oriented.

No. of Pages : 58 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038941 A
(19) INDIA
(22) Date of filing of Application :15/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : SUPPORT DEVICE OF AN ACTIVE PART OF A CURRENT TRANSFORMER

(51) International classification :H01F27/06,H01F38/30
(31) Priority Document No :14172358.5
(32) Priority Date :13/06/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/061196
Filing Date :21/05/2015
(87) International Publication No :WO 2015/189018
(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)GABER Michael

(57) Abstract :
The invention relates to a support device (7) of an active part (5) of a current transformer (1). The support device (7) comprises multiple insulating support legs (71) which are composed of an electrically insulating material and which are designed to bear the active part (5) and to be supported on a housing base (31) of a housing (3) of the current transformer (1). Here a longitudinal axis of each insulating support leg (71) forms a non zero support angle (a) with the direction of gravitational force.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038948 A
(19) INDIA
(22) Date of filing of Application :15/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : SPORTS THROWING MEASUREMENT

(51) International classification :A63B71/06
(31) Priority Document No :2014901437
(32) Priority Date :18/04/2014
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2015/000231
Filing Date :17/04/2015
(87) International Publication No :WO 2015/157808
(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)MCINTOSH Glenn

(57) Abstract :
A data collection system includes a data collection device mounted on the upper torso of the player. The device includes a GPS unit three dimensional accelerometers three dimensional gyroscopes and a microprocessor and data store for processing the signals from the GPS unit three dimensional accelerometers and three dimensional gyroscopes. The microprocessor is programmed to identify and collect signal data to derive delivery rotation speed point of release and to derive delivery speed and maintain a count of deliveries and optionally the distance and speed of the player during the act off delivery. When the software is adapted for cricket it derives bowling count delivery speed run up velocity and run up distance. It may also be adapted for baseball pitching and tennis serving where the device is worn on the forearm or wrist.

No. of Pages : 10 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016

(21) Application No.201617038949 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : FLUID CONTAINER

(51) International classification :F01M11/04
(31) Priority Document No :1409082.3
(32) Priority Date :21/05/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2015/061338
Filing Date :21/05/2015
(87) International Publication No :WO 2015/177320
(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)CASTROL LIMITED
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(72)**Name of Inventor :**
1)BRETT Peter Stuart
2)GOODIER Steven Paul
3)OMALLEY Mark
4)TAYLOR Oliver Paul

(57) Abstract :
The present invention relates to a replaceable fluid container for an engine comprising: a first reservoir for holding a fluid; a second reservoir for holding a composition to be added to the fluid; a fluid coupling adapted to provide fluidic communication between the first reservoir and a fluid circulation system of the engine;and a dose controller to provide a dose of the composition into the fluid for circulation in a fluid circulation system of the engine.

No. of Pages : 19 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/11/2016
(21) Application No.201617038607 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : IMPROVED FUEL INJECTION ARCHITECTURE

(51) International classification :F23K5/06,F23K5/16,F23R3/34
(31) Priority Document No :1454472
(32) Priority Date :19/05/2014
(33) Name of priority country :France
(86) International Application No :PCT/FR2015/051282
Filing Date :18/05/2015
(87) International Publication No :WO 2015/177442
(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)SAFRAN HELICOPTER ENGINES
Address of Applicant :64510 Bordes France
(72)**Name of Inventor :**
1)RIZZO Pascal
2)BENEZECH Philippe Jean RenÃ© Marie

(57) Abstract :
The invention relates to a turbine engine fuel injection architecture including: two fuel injection manifolds (30A 30B) each manifold being suitable for dispensing a fuel flow to at least one associated injector; a main fuel proportioning device (32) suitable for proportioning a total fuel flow (Q) to be supplied to at least both injection manifolds (30A 30B); and a distribution proportioning device (31) located between the main fuel proportioning device (32) and the injection manifolds (30A 30B) and suitable for distributing at least part of the total fuel flow between both manifolds. The architecture is characterized in that it also includes a bypass valve (35) suitable for discharging a flow from a first manifold (30A 30B) to a second manifold (30B 30A) in the event of excess fuel pressure in the first manifold. The invention also relates to a turbine engine combustion assembly including said architecture.

No. of Pages : 11 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/11/2016
(21) Application No.201617038608 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : DEVICES AND METHODS FOR OBTAINING WORKABLE ECG SIGNALS USING DRY KNITTED ELECTRODES

(51) International classification :A61N1/04,A61B5/04
(31) Priority Document No :61/980595
(32) Priority Date :17/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IL2015/050412
Filing Date :16/04/2015
(87) International Publication No :WO 2015/159298
(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)AMIR Uri
2)SHOSHANI Boaz

(57) Abstract :
A garment that includes textile ECG arm electrodes (110LA and 110RA) such as knitted electrodes wherein the textile ECG arm electrodes are located within the garment such that when the garment is worn the textile ECG arm electrodes are situated adjacent to the bodily skin overlaying the outmost region of the Pectoralis major muscle proximal to the shoulder muscle. Preferably the positioning of the textile ECG arm electrodes within the garment is designed to match the size of the garment.

No. of Pages : 6 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/11/2016
(21) Application No.201617038616 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : BREAKER FACILITATING RAPID MOVEMENT AND ELONGATION OF ARC

(51) International classification :H01H73/18,H01H73/04
(31) Priority Document No :201410206778.8
(32) Priority Date :16/05/2014
(33) Name of priority country :China
(86) International Application No :PCT/CN2015/074657
Filing Date :20/03/2015
(87) International Publication No :WO 2015/172605
(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)BEIJING PEOPLES ELECTRIC PLANT CO. LTD.
Address of Applicant :No. 29 Jinyuan Road Daxing Industrial Development Zone Beijing 102600 China
(72)**Name of Inventor :**
1)NAN Yin

(57) Abstract :
A breaker facilitating rapid movement and elongation of an arc comprises a static contact (1) a moving contact (3) and an arc extinguishing chamber (2). A contact surface (14) of an electrical contact (13) of the static contact and an electrical contact (32) of the moving contact and a bottom plane (4) of a base form an acute angle that is located in the first quadrant. The moving contact comprises a conducting rod (31) and the electrical contact. The conducting rod has a projecting portion (314). The electrical contact is welded on an end surface of the projecting portion in a direction facing the electrical contact of the static contact. The arc extinguishing chamber is a grid plate arc extinguishing chamber. The bottom and the top of the arc extinguishing chamber are respectively provided with arc ignition grid plates (24 22). The arc ignition grid plate on the bottom of the arc extinguishing chamber is arranged lower than the electrical contact of the static contact. The arc ignition grid plate on the top of the arc extinguishing chamber is arranged higher than the maximum position of the electrical contact of the moving contact when the moving contact is opened. The breaker facilitates rapid movement and elongation of the arc generated on the electrical contacts of the moving contact and the static contact when the moving contact is opened. By means of the breaker the arc moving speed and the arc drawing length of the breaker can be effectively improved without changing the operating mechanism and the housing of an existing breaker. When the breaker is applied in a photovoltaic direct current breaker the working voltage of the breaker can be raised and the problems of large volume and high power consumption can be solved.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/11/2016
(21) Application No.201617038761 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : JOINT SPECTROSCOPIC AND BIOSENSOR SYSTEM FOR POINT OF CARE TESTING

(51) International classification	:G01N33/72,A61B5/1455,A61B5/157
(31) Priority Document No	:62/006066
(32) Priority Date	:31/05/2014
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2015/050455
Filing Date	:20/05/2015
(87) International Publication No	:WO 2015/179969
(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)SAMSOONDAR James

(57) Abstract :
Some embodiments of the invention provide a system for measurement of at least two hemoglobin species in a patient s blood sample by spectroscopy and measurement of at least pH of the blood sample by biosensor. The system comprises a disposable cartridge adapted for insertion into a slot of an analyzer and the results are used to monitor the acid base status of a patient. A method for monitoring the acid base status of a patient using the system is also provided.

No. of Pages : 77 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038783 A
(19) INDIA
(22) Date of filing of Application :14/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : A METHOD AND A SYSTEM FOR FACE VERIFICATION

(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/CN2014/000588
Filing Date :16/06/2014
(87) International Publication No :WO 2015/192263
(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)SUN Yi
2)WANG Xiaogang
3)TANG Xiaoou

(57) Abstract :
Disclosed is an apparatus for face verification. The apparatus may comprise a feature extraction unit and a verification unit. In one embodiment the feature extraction unit comprises a plurality of convolutional feature extraction systems trained with different face training set wherein each of systems comprises : a plurality of cascaded convolutional pooling locally connected and fully connected feature extraction units configured to extract facial features for face verification from face regions of face images; wherein an output unit of the unit cascade which could be a fully connected unit in one embodiment of the present application is connected to at least one of previous convolutional pooling locally connected or fully connected units and is configured to extract facial features (referred to as deep identification verification features or DeepID2) for face verification from the facial features in the connected units. The verification unit may be configured to compare the obtained DeepID2 extracted from two face images to be compared to determine if the two face images are from the same identity or not.

No. of Pages : 17 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/11/2016
(21) Application No.201617038784 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : RELUCTANCE SENSOR FOR MEASURING A MAGNETIZABLE STRUCTURE IN A SUBTERRANEAN ENVIRONMENT

(51) International classification :E21B47/02,E21B47/022,G01V3/18
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2014/042619
Filing Date :17/06/2014
(87) International Publication No :WO 2015/195089
(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 :10200 Bellaire Blvd. Houston Texas 77072 U.S.A.
(72)**Name of Inventor :**
1)HAY Richard Thomas

(57) Abstract :
A drilling apparatus sensor system and method. The drilling apparatus includes a drill bit and a steering controller that steers the drill bit. The drilling apparatus includes a reluctance sensor system that measures changes in magnetic flux. The reluctance sensor includes two or more magnets creating a bucking effect. The drilling apparatus includes a processor in communication with the reluctance sensor that receives the measurements made by the reluctance sensor to determine a distance or direction to a target object. The distance is utilized by the steering controller to steer the drill bit.

No. of Pages : 53 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/11/2016

(21) Application No.201617038785 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : STEAM CYCLE POWER MODULE

(51) International classification :F01K13/00
(31) Priority Document No :1408960.1
(32) Priority Date :20/05/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2015/051481
Filing Date :20/05/2015
(87) International Publication No :WO 2015/177543
(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)HEAT RECOVERY SOLUTIONS LIMITED
Address of Applicant :Boundary House Boston Road London W7 2QE U.K.
(72)**Name of Inventor :**
1)WICKHAM Mark

(57) Abstract :
An integrated steam cycle power module (100) comprising a steam turbine (102) arranged to have steam supplied thereto; a steam manifold (104) arranged to have exhaust steam from the steam turbine supplied thereto; at least one heat exchanger (108) arranged to have exhaust steam supplied thereto from the manifold via risers which connect the manifold to headers (117) associated with the heat exchangers; and having the steam turbine situated below the steam manifold and arranged in use to vent exhaust steam to the manifold which exhaust steam is passed to the heat exchanger in order to have heat extracted therefrom. Substantially all of the equipment required can be integrated into a compact module reducing plot space overall costs and assembly time on site or allowing the module to be fabricated off site. The heat exchanger may be arranged to form substantially planar substantially vertical walls along the side regions of the module.

No. of Pages : 13 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038950 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : FLUID SYSTEM

(51) International classification :F01M11/00
(31) Priority Document No :1409065.8
(32) Priority Date :21/05/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2015/061335
Filing Date :21/05/2015
(87) International Publication No :WO 2015/177317
(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)CASTROL LIMITED
Address of Applicant :Technology Centre Whitchurch Hill Pangbourne Reading RG8 7QR U.K.
(72)**Name of Inventor :**
1)DAWSON Christopher
2)GOODIER Steven Paul
3)HOWARD Gary
4)WOODWARD Adrian Michael

(57) Abstract :
This invention relates to an oil reservoir system for an engine comprising: an oil container which includes an oil reservoir which is in fluidic communication with an oil circulation system of an engine a ventilated headspace and an oil filter located at the interior of said oil container. The invention also relates to a method for deaeration of an oil of an oil reservoir which is in fluidic communication with an oil circulation system of an engine. Furthermore the invention relates to a vehicle comprising the oil reservoir system.

No. of Pages : 11 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038951 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : FLUID SYSTEM

(51) International classification :F01M11/04
(31) Priority Document No :1409066.6
(32) Priority Date :21/05/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2015/061336
Filing Date :21/05/2015
(87) International Publication No :WO 2015/177318
(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)DAWSON Christopher
2)GOODIER Steven Paul
3)HOWARD Gary
4)WOODWARD Adrian Michael

(57) Abstract :
In one embodiment there is provided a dock for a replaceable fluid container for an engine the fluid container having: a fluid reservoir; and at least one fluid port having a coupling adapted to couple with a fluid circulation system associated with the engine; the dock having: a fastening mechanism configured to cooperate with the container such that as the container is inserted into the dock the fastening mechanism acts first to seat the fluid container in the dock but in an un docked condition and then as the container is inserted further into the dock acts to bring the fluid container into an engaged condition in which the fluid container is docked with a docking interface of the dock.

No. of Pages : 26 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038952 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : FLUID CONTAINER

(51) International classification :F01M11/04
(31) Priority Document No :1409083.1
(32) Priority Date :21/05/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2015/061331
Filing Date :21/05/2015
(87) International Publication No :WO 2015/177313
(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)BARNES Andrew Philip
2)BRETT Peter Stuart
3)GOODIER Steven Paul
4)Oâ€™MALLEY Mark

(57) Abstract :
A replaceable fluid container arranged to be removably seated in a dock to supply fluid associated with an engine the replaceable fluid container comprising a plurality of fluid reservoirs wherein each reservoir comprises a fluid port arranged to provide fluidic communication between the reservoir and a corresponding fluid circulation system associated with the engine when the replaceable fluid container is seated in the dock.

No. of Pages : 22 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038955 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : SYSTEM FOR CUTTING AND PREPARING SEEDS AND METHOD OF USE

(51) International classification :A01C1/04
(31) Priority Document No :61/989276
(32) Priority Date :06/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/029186
Filing Date :05/05/2015
(87) International Publication No :WO 2015/171574
(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)MCCARTY II Donald L.
2)CHENNAREDDY Sivarama R.
3)PARSONS Thomas J.
4)KALEYTA Scott R.
5)CICAK Toby
6)SARRIA Rodrigo

(57) Abstract :
A system and method for the automated or semi automated cutting of seeds to prepare the seeds for transformation and transgenic engineering. A method and apparatus for automated seed preparation is disclosed. According to one aspect the method includes locating the seed on a surface or container engaging the seed with an automated tool orienting the seed for cutting or wounding and cutting or wounding the seed when the seed is oriented. The method may also include partially cutting the embryonic axis of the seed. In some embodiments the cut or wounded seed is transformed with exogenous DNA.

No. of Pages : 58 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038956 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : STANDALONE WIRELESS LIGHTING APPLICATION

(51) International classification :H05B37/02,G06F17/00,G06F3/048
(31) Priority Document No :14/278385
(32) Priority Date :15/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/030115
Filing Date :11/05/2015
(87) International Publication No :WO 2015/175394
(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)HAMM Andrew
2)KICKLIGHTER Kevin C.
3)DRAPER Nichol F.

(57) Abstract :
In one embodiment, a wireless lighting application (app) is executed on a mobile device to configure a wireless lighting control system including a plurality of wireless lighting control devices. A connection is established between the mobile device and a wireless lighting control device. In response to user input in a graphical user interface (GUI) of the wireless lighting app, the wireless lighting app configures at least one of a lighting controller, keypads or lamp modules by at least associating an attached lighting load with a load name. Further, the wireless lighting app defines a lighting scene that uses the lighting load having the load name. Still further, the wireless lighting app assigns the lighting scene to a programmable button of one of the wireless lighting control devices such that, in response to a press of the programmable button, the wireless lighting control system produces the predefined lighting effect.

No. of Pages : 19 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039117 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : NON ENZYMATIC ELECTROCHEMICAL SENSOR FOR MEASURING ANALYTES

(51) International classification :C07F5/04
(31) Priority Document No :61/983188
(32) Priority Date :23/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/027250
Filing Date :23/04/2015
(87) International Publication No :WO 2015/164578
(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)GLUCOVATION INC.
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(72)**Name of Inventor :**
1)SURI Jeff T.

(57) Abstract :
Embodiments described herein relate generally to compositions that include a synthetic redox-active receptor, and in particular to compositions that include a boronic acid based synthetic redox-active receptor which can electrochemically sense a target analyte in a sample solution. In some embodiments, a synthetic redox-active receptor can have a composition of formula I: wherein the variables L, L", R, R" n and X are described herein.

No. of Pages : 44 No. of Claims : 56

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617039121 A
(19) INDIA
(22) Date of filing of Application :16/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : FLOATING BODY FOR TIDAL CURRENT POWER GENERATION AND POWER GENERATION METHOD USING SAME

(51) International classification :F03B17/06,F03B13/12,F03B7/00
(31) Priority Document No :1020140057109
(32) Priority Date :13/05/2014
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2015/004705
Filing Date :12/05/2015
(87) International Publication No :WO 2015/174706
(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)SHIN Dong Ryun

(57) Abstract :
A floating body for tidal current power generation of the present invention comprises: a power generation unit comprising a water wheel and a power generator connected to the water wheel; and a body part provided with tidal current inlet and outlet paths having a cross sectional area that is gradually reduced from the front and rear surfaces thereof toward the water wheel. According to the present invention a plurality of floating bodies for tidal current power generation are disposed in parallel so that the longitudinal direction of the tidal current inlet and outlet paths coincides with the direction of the tidal current in a terrain such as a strait with a narrow width. In addition provided is a power generation method which is a method for adjusting the draft of a floating body for tidal current power generation depending on the flow velocity of the tidal current thereby smoothly performing power generation even when the flow velocity of the tidal current becomes slower as tidal stand nears.

No. of Pages : 7 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617039122 A
(19) INDIA
(22) Date of filing of Application :16/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : PRESSURE ROLLER STATIONS FOR ROTARY PRESSES COMPRISING TWO PRESSURE ROLLER SHAFTS INCORPORATING PRESSURE ROLLERS

(51) International classification :B30B11/08
(31) Priority Document No :14167415.0
(32) Priority Date :07/05/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/059946
Filing Date :06/05/2015
(87) International Publication No :WO 2015/169852
(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)KLAER Ingo
2)KORSCH Wolfgang
3)BÃ–HNLEIN JÃ¼rgen

(57) Abstract :
The invention relates to a pressure roller station (100) for rotary presses (90) comprising two pressure roller shafts (20) incorporating pressure rollers wherein a guide profile (1) of the pressure roller station (100) is configured to be open and the pressure roller shafts (20) are arranged on upper and lower pressure roller accommodations (2 3) adjustable with respect to one another and guided by the guide profile (1) wherein the pressure roller shafts (20) are arranged parallel to two side parts (112 113) of the guide profile (1).

No. of Pages : 28 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039123 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : REDUCED PRESSURE WOUND THERAPY KIT AND PACKAGING

(51) International classification :A61B19/02,A61M1/00
(31) Priority Document No :61/994782
(32) Priority Date :16/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2015/060757
Filing Date :15/05/2015
(87) International Publication No :WO 2015/173389
(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)RUSSELL Mark
5)WALSH Philip
6)BINDER Ian
7)COWAN HUGHES John
8)GOWANS John
9)PATTERSON David

(57) Abstract :
Disclosed herein are several embodiments of medical device packaging and more particularly to a reduced pressure therapy kit and packaging and methods of using the same in the treatment of wounds. Some embodiments are directed towards packaging including a dressing compartment for storing wound dressings and having use instructions printed thereon the dressing compartment detachably connected to a pump compartment for storing a sterile pump. After removal of the pump the pump compartment can be detached from the dressing compartment and discarded. The dressing compartment can be retained together with any additional dressings and the use instructions.

No. of Pages : 22 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039124 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : SAFETY OF A HUMANOID TYPE ROBOT

(51) International classification :B25J9/10,B62D57/032,B25J19/06
(31) Priority Document No :1455027
(32) Priority Date :03/06/2014
(33) Name of priority country :France
(86) International Application No :PCT/EP2015/062458
Filing Date :03/06/2015
(87) International Publication No :WO 2015/185670
(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)CLERC Vincent

(57) Abstract :
The invention relates to a humanoid type robot (10) comprising two elements (1 2) and an articulation (20) with at least one degree of freedom that connects the two elements (1 2) the articulation (20) allowing travel in a given range (a) during operation a first (1) of the two elements being intended to come into contact with a stop (22) belonging to a second (2) of the two elements at the end of the range (a). According to the invention the robot (10) also comprises at least one switch. The switch is configured to actuate an electrical contact when a force exerted on the stop (22) by the first element (1) exceeds a given force.

No. of Pages : 12 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/11/2016
(21) Application No.201617038617 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : SCREENING TEST FOR DETECTING THE PRESENCE OF ONCOGENIC HPV VIRUSES

(51) International classification :C12Q1/70
(31) Priority Document No :P.407864
(32) Priority Date :11/04/2014
(33) Name of priority country :Poland
(86) International Application No :PCT/PL2015/050007
Filing Date :11/04/2015
(87) International Publication No :WO 2015/156693
(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)PODOLSKI Jacek
2)WYRWICZ Lucjan

(57) Abstract :
Screening test and process for detecting the presence of oncogenic HPV viruses in particular based on LNA (locked nucleic acids) technology as an effective tool in the prevention and early detection of cervical cancer. Probes for use in HPV detection by real time PCR targeting a conserved region of oncogenic HPV genomes.

No. of Pages : 49 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/11/2016
(21) Application No.201617038620 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : FOODS SYSTEMS METHODS AND KITS FOR PROVIDING ELECTROLYTE REPLACEMENT

(51) International classification :A61P1/10,A23L1/304,A23L1/22
(31) Priority Document No :61/986048
(32) Priority Date :29/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/028361
Filing Date :29/04/2015
(87) International Publication No :WO 2015/168330
(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)ALLIO Michael
2)GORDON Jonathan

(57) Abstract :
Described herein are methods compositions systems and kits that effectively deliver a laxative to a patient along with effective electrolyte replenishment by delivering both a laxative and electrolytes via a food item. The food item is prepared by either combining mixing or integrating the ingredients that form the food item together with one of or both of a laxative and electrolytes so that the ingredients in the food item either eliminate or significantly reduce the poor taste associated with either the electrolytes or the laxative. Eliminating or reducing the poor taste associated with either electrolytes or laxative greatly improves patient satisfaction and compliance with ingesting these substances in order to for example prepare the GI tract of the patient for a medical or surgical procedure.

No. of Pages : 33 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038621 A
(19) INDIA
(22) Date of filing of Application :11/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : ADENOVIRUS COMPRISING AN ALBUMIN BINDING MOIETY

(51) International classification :C12N7/00,C07K14/075
(31) Priority Document No :14382162.7
(32) Priority Date :30/04/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/059593
Filing Date :30/04/2015
(87) International Publication No :WO 2015/166082
(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)ALEMANY BONASTRE Ramon
2)ROJAS EXPÃ“SITO Luis Alfonso

(57) Abstract :
The invention relates to a recombinant adenovirus comprising an albumin binding moiety on the outer surface of the adenoviral hexon protein pharmaceutical compositions containing it and its medical use. Particularly the invention relates to an oncolytic adenovirus comprising a sequence encoding an albumin binding moiety inserted in the hypervariable region 1 (HVRl) of the hexon protein coding sequence and its use in the prevention and/or treatment of cancer.

No. of Pages : 50 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/11/2016
(21) Application No.201617038634 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : RIDE VEHICLE TRACKING AND CONTROL SYSTEM USING PASSIVE TRACKING ELEMENTS

(51) International classification :G06K9/32,G06K9/00
(31) Priority Document No :62/001551
(32) Priority Date :21/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/032031
Filing Date :21/05/2015
(87) International Publication No :WO 2015/179682
(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)BLUM Steven C.
2)OLIVER Christopher

(57) Abstract :
A dynamic signal to noise ratio tracking system (10) enables detection and tracking of ride vehicles (26) (170 360) within the field of view of the tracking system (10). The tracking system (10) may include an emitter configured to emit electromagnetic radiation within an area (30) a detector (16) configured to detect electromagnetic radiation reflected back from within the area (30) and a control unit (18) configured to evaluate signals from the detector (16) and control the ride vehicles (26 170 360) or other equipment (12) as a result of this evaluation.

No. of Pages : 75 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/11/2016
(21) Application No.201617038635 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD AND APPARATUS FOR GENERATING PULSES IN A FLUID COLUMN

(51) International classification :E21B47/12,E21B47/16,E21B47/24
(31) Priority Document No :PCT/US2014/000103
(32) Priority Date :14/05/2014
(33) Name of priority country :PCT
(86) International Application No :PCT/US2014/000103
Filing Date :14/05/2014
(87) International Publication No :WO 2015/174951
(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)CHAMBERS Larry DeLynn

(57) Abstract :
Methods and apparatus are disclosed for generating fluid pulses in a fluid column such as within a well. A described example fluid pulse generator has a valve member comprising a piston that is linearly movable within a piston chamber to control flow by selectively obstructing a fluid passage. The fluid passage may extend around at least a portion of the piston chamber and intersect at an angle relative to the axis of movement of the valve member. The piston is linearly movable such as from a closed or minimal flow position to a maximal flow position and optionally to any of a number or range of positions therebetween. The position of the valve member may be varied to generate fluid pulses of a selected pattern of duration amplitude and so forth to generate a signal within the fluid column detectable at a location remote from the fluid pulse generator.

No. of Pages : 26 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038958 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : SYSTEM FOR SEED PREPARATION AND METHOD OF USE

(51) International classification :A01C1/00,A01G7/00
(31) Priority Document No :61/989275
(32) Priority Date :06/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/029185
Filing Date :05/05/2015
(87) International Publication No :WO 2015/171573
(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)SARRIA Rodrigo
5)GILLESPIE David T.
6)PARSONS Thomas J.
7)KALEYTA Scott R.

(57) Abstract :
A system and method for the automated or semi automated preparation of seeds for transformation and transgenic engineering.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038959 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : IMAGING DEVICE AND VIDEO GENERATION METHOD BY IMAGING DEVICE

(51) International classification	:H04N5/232,H04N5/225,G06F3/041
(31) Priority Document No	:1020140067293
(32) Priority Date	:03/06/2014
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2015/005565
Filing Date	:03/06/2015
(87) International Publication No	:WO 2015/186964
(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)KIM Sung hoon
3)RYU Su jin
4)JUNG Dong jin
5)HAN Kyu chun

(57) Abstract :
Provided are an imaging device and a video generation method by the imaging device and more specifically an imaging device which enlarges an object selected in a video displayed on a screen and displays same and a video generation method by the imaging device. According to an embodiment an object selected in a video displayed on a screen is enlarged and the enlarged object is tracked and then displayed on the screen.

No. of Pages : 24 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038960 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : DETACHABLE ELECTRONIC DEVICE

(51) International classification :G06F1/16
(31) Priority Document No :1020140059289
(32) Priority Date :16/05/2014
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2015/004904
Filing Date :15/05/2015
(87) International Publication No :WO 2015/174783
(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)KIM Chong Du
3)JEON Yong Woo

(57) Abstract :
An electronic device is provided. The electronic device includes a mounting surface configured to accept another electronic device a holder recess provided in the mounting surface and configured to hold the other electronic device at certain angles and a rotatable clip installed in the mounting surface and configured to control at least one part of the other electronic device wherein other electronic device is accommodated at one end by the holder recess and is accommodated at another end by the rotatable clip such that the other electronic device is combined with the electronic device.

No. of Pages : 28 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038963 A
(19) INDIA
(22) Date of filing of Application :15/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : AIR CHANNEL SWITCHING DEVICE

(51) International classification :B60H1/00,B60H1/12
(31) Priority Document No :2014141681
(32) Priority Date :09/07/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/003379
Filing Date :06/07/2015
(87) International Publication No :WO 2016/006220
(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 air channel switching device is provided with a case (21) having an air channel formed inside and with a rotary door (50). The rotary door has a door plate portion (51) and a pair of side wall portions (53). The door plate portion is formed in a circular arc shape at a position separated by a prescribed amount from a rotational axis (AA). The pair of side wall portions are provided at both end sides of the door plate portion in the direction in which the rotational axis extends and extend in a direction that intersects with the rotational axis. By rotating around the rotational axis the rotary door switches the flow of air in the air channel in accordance with the rotation position. The rotary door has connecting portions (54 55 56) that are provided separately from the door plate portion and connect the pair of side wall portions to each other. The pair of side wall portions and connecting portions are formed integrally. The door plate portion is formed as a separate body from the pair of side wall portions.

No. of Pages : 25 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038964 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : TISSUE GRAFT FIXATION WITH TENSION ADJUSTMENT

(51) International classification :A61F2/08,A61B17/04
(31) Priority Document No :61/993336
(32) Priority Date :15/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/031055
Filing Date :15/05/2015
(87) International Publication No :WO 2015/175922
(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)SANTANGELO Stephen
3)DEMMER Matthew

(57) Abstract :
Apparatus for tissue graft fixation. A tissue graft fixation device includes a main body part (15) provided with a pair of suture through holes (20 25) positioned on opposite sides of a spherically radiused screw through hole (30) the pair of suture through holes sized to receive sutures the spherically radiused screw through hole sized to receive a radiused head of a securing screw and two spike parts (35 40) extending substantially parallel to each other from an underside of the main body the spike parts spaced apart at a predetermined distance slightly shorter than a diameter of a formed bone tunnel and adapted be stricken into a bone.

No. of Pages : 10 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038788 A
(19) INDIA
(22) Date of filing of Application :14/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHODS AND DEVICES FOR MAINTAINING A DEVICE OPERATED FUNCTION

(51) International classification :H04W84/18,H04B5/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/SE2014/050749
Filing Date :18/06/2014
(87) International Publication No :WO 2015/195006
(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)LIANG Hongxin
3)FERSMAN Elena
4)FU Jing

(57) Abstract :
Methods and devices for maintaining a device operated function. A first device (200) initially operates (2:1) as an active master with responsibility to execute the device operated function by automatically performing one or more operation tasks according to certain operational parameters and gaining knowledge when performing the operation tasks. Meanwhile a second device (202) is acting (2:2) as a passive standby device. When the first device (200) cannot or should not operate as the active master anymore e.g. due to low battery the responsibility is transferred (2:4) to the second device (202) by transferring the operational parameters and the knowledge from the first device (200) to the second device (202). Then the second device (202) operates (2:6) as the active master with responsibility to execute the device operated function according to the operational parameters and using the knowledge if required.

No. of Pages : 23 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038790 A
(19) INDIA
(22) Date of filing of Application :14/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : DEVICE FOR DISPENSING A FLUID PRODUCT

(51) International classification :B05B11/02
(31) Priority Document No :1456492
(32) Priority Date :04/07/2014
(33) Name of priority country :France
(86) International Application No :PCT/FR2015/051839
Filing Date :02/07/2015
(87) International Publication No :WO 2016/001599
(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)LEBEL Baptiste
3)PETIT Ludovic

(57) Abstract :
The invention relates to a device for dispensing a fluid product which device comprises a body (1) and a dispensing head (2) provided with a dispensing opening (3) and axially movable relative to said body (1) during actuation said body (1) receiving a vessel (10) containing a fluid product said vessel (10) comprising a hollow tube (11) having a proximal axial opening (12) closed by a plug (20) suitable for sealingly sliding inside said tube (11) upon actuation said dispensing head (2) comprising a hollow cannula (4) connected on one side to said dispensing opening (3) and provided on the other side with a puncturing tip (5) provided with an opening (6) and intended for puncturing said plug (20) said cannula (4) being inserted into a cannula holder (9) rigidly connected to said dispensing head (2) said cannula holder (9) comprising a central axial bore with an inner diameter which is equal to or slightly greater than the outer diameter of said cannula (4) the distal axial end of said cannula holder (9) comprising a radial projection extending radially inwards the inner diameter of which is equal to or very slightly smaller than the outer diameter of said cannula (4) the inner diameter of said radial projection being smaller than the inner diameter of said central axial bore.

No. of Pages : 9 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/11/2016
(21) Application No.201617038791 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : DISPOSABLE FLUID DISPENSING HAIR REMOVAL DEVICE

(51) International classification :B26B21/44,B26B21/52
(31) Priority Document No :14175100.8
(32) Priority Date :30/06/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/US2015/038207
Filing Date :29/06/2015
(87) International Publication No :WO 2016/003836
(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)SHOREY Anthony William
2)CATON Nicola Louise

(57) Abstract :
The present invention relates to a hair removal and fluid application device (1) having a hair removal means (2) a fluid dispensing means (3) a fluid reservoir (10) and a support body (4) wherein said support body (4) is formed from cardboard.

No. of Pages : 30 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038793 A
(19) INDIA
(22) Date of filing of Application :14/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : VOICE COIL MOTOR AND FOCUSING LENS

(51) International classification :G02B7/04,H02K33/18
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2014/075377
Filing Date :15/04/2014
(87) International Publication No :WO 2015/157909
(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)HU Xiaoping

(57) Abstract :
A voice coil motor and a corresponding focusing lens. A rotor assembly (22) is connected to a stator assembly (21) by means of an elastic connecting piece (23). A stator sleeve (211) is sleeved on a rotor sleeve (221). One of the stator sleeve (211) and the rotor sleeve (221) is a permanent magnetic material sleeve and the other is a non magnetic material sleeve. An assembly to which the non magnetic material sleeve belongs also comprises a pre magnetic element (222) and a drive coil (223). The pre magnetic element (222) is made of a permanent magnetic or magnetized material and is fixed relative to the non magnetic material sleeve. The elastic connecting piece (23) is in a force balance state in a case without power because of pre existing magnetic force between the pre magnetic element (222) and the permanent magnetic material sleeve. Smaller electromagnetic force is required for driving the elastic connecting piece (23) to move thereby reducing a drive current and power consumption.

No. of Pages : 12 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038968 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : MICROENCAPSULATION OF CHEMICAL ADDITIVES

(51) International classification :B01J13/02,B01J13/14,B01J13/18
(31) Priority Document No :61/993805
(32) Priority Date :15/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/031090
Filing Date :15/05/2015
(87) International Publication No :WO 2015/175947
(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)HSU Stephen M.
2)ZHAO Fei

(57) Abstract :
The present disclosure relates to new and optimized processes for the preparation of micro and nano scale capsules containing lubricant chemical additives. The present disclosure also relates to micro and nano scale capsules prepared by such processes which are useful in a variety of applications including automotive lubricants diesel lubricants industrial lubricants metal working lubricants coolants and process fluids. Micro and nano scale capsules prepared as described herein have the required properties that such capsules need to exhibit in order to function effectively and meet the requirements imposed by engine lubrication conditions. The microcapsules may be dispersed in a lubricating oil such that the lubricant exhibits improved stability and anti wear performance thereby improving engine fuel efficiency and performance.

No. of Pages : 45 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038969 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : SILOXANE COMPOSITIONS AND METHODS FOR REDUCING VOC AND SILOXANE DUST

(51) International classification :C04B28/14,C04B24/42,B32B13/08
(31) Priority Document No :61/984206
(32) Priority Date :25/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/025664
Filing Date :14/04/2015
(87) International Publication No :WO 2015/164119
(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 Yufeng
2)LUAN Wenqi

(57) Abstract :
An improved water resistant gypsum product prepared with a high viscosity siloxane is provided. A fuel efficient method for making the product and reducing the amount of siloxane dust released is provided as well.

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038991 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : SEGMENTED FILTER ASSEMBLY

(51) International classification :B01D46/02
(31) Priority Document No :14/284032
(32) Priority Date :21/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/021559
Filing Date :19/03/2015
(87) International Publication No :WO 2015/179014
(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)HATFIELD Martin Gregory
2)PASTRANA Ryan Margate

(57) Abstract :
A filter assembly for mounting to an opening in a tube sheet of a filter system is provided. The filter assembly includes a plurality of filter elements and a mounting structure. Each filter element includes an extension of filter media a first coupling portion and a second coupling portion. The first and second coupling portions are attached to the filter media. The first and second coupling portions are connectable to one another to secure a first one of the plurality of filter elements to a second one of the plurality of filter elements such that fluid communication between the first and second filter elements is established when connected. The mounting structure is sized and configured to mount to the tube sheet adjacent the opening. The mounting structure includes a mounting structure coupling portion being connectable to the first coupling portions of the filter elements.

No. of Pages : 17 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617038998 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD AND APPARATUS FOR RECEIVING D2D DISCOVERY INFORMATION

(51) International classification :H04W52/02
(31) Priority Document No :PCT/CN2014/077182
(32) Priority Date :09/05/2014
(33) Name of priority country :PCT
(86) International Application No :PCT/CN2014/077182
Filing Date :09/05/2014
(87) International Publication No :WO 2015/168945
(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)LIN Bo
2)ZHANG Tao

(57) Abstract :
Provided are a method and apparatus for receiving D2D discovery information. The method for receiving D2D discovery information comprises: sending by an upper layer of a radio resource control (RRC) layer of a D2D communication device a first instruction to a physical layer of the D2D communication device wherein the first instruction is used for instructing the physical layer to switch from a D2D dormant state to a D2D monitoring state; and receiving by the physical layer of the D2D communication device the first instruction and switching from the D2D dormant state to the D2D monitoring state according to the first instruction so as to monitor D2D discovery information. By means of the embodiments of the present invention an upper layer of an RRC layer of a D2D communication device sends a first instruction to a physical layer of the D2D communication device and the physical layer of the D2D communication device receives the first instruction and switches from a D2D dormant state to a D2D monitoring state according to the first instruction so as to monitor D2D discovery information thereby reducing the electric power consumption of the D2D communication device and increasing the standby time of the D2D communication device.

No. of Pages : 22 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038644 A
(19) INDIA
(22) Date of filing of Application :11/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : INDUSTRIAL PROCESS USING A FORCED EXHAUST METAL FURNACE AND MECHANISMS DEVELOPED FOR SIMULTANEOUSLY PRODUCING COAL FUEL GAS PYROLIGNEOUS EXTRACT AND TAR

(51) International classification :C10B15/00,C10B49/02,C10B27/02
(31) Priority Document No :BR 1020140111719
(32) Priority Date :09/05/2014
(33) Name of priority country :Brazil
(86) International Application No :PCT/BR2015/000063
Filing Date :07/05/2015
(87) International Publication No :WO 2015/168763
(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)DE OLIVEIRA VILELA Adriana
3)URBANO ALVES JosÃ©
4)PACCELI DA SILVA E SOUZA Thalis

(57) Abstract :
The present invention patent relates to a process and a furnace developed for producing plant coal with recovery of the gases tar and pyroligneous extract. The unitary system is comprised of a metal furnace a loading platform a carbonization platform and an unloading platform. For continuous generation of gases the process operates with multiple carbonization platforms and one or more furnaces per carbonization platform. The furnace has air inlets in strategic lateral positions and a mechanism for alleviating pressure. The carbonization system is comprised of an exhaust special ducts for conducting the gases and also devices for recovering condensable products. The gases generated in the process are directed to a burner a gasifier or directly to a boiler to generate heat and/or electrical energy. Said technology exclusively provides a gravimetric yield of fuel gas of over 60% and plant coal productivity of over 800 kg/h such that each operation cycle of the furnace lasts less than 5 hours. The coal is unloaded hot following carbonization and loaded with wood billets immediately after unloading. Said process combines technical economical operational and environmentally viable solutions.

No. of Pages : 31 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/11/2016
(21) Application No.201617038653 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : CLEAR CHANNEL ASSESSMENT THRESHOLD CONFIGURATION

(51) International classification :H04W74/08
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/SE2014/050799
Filing Date :26/06/2014
(87) International Publication No :WO 2015/199593
(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)FURUSKÃ„R Anders
3)SÃ–DER Johan
4)MESTANOV Filip

(57) Abstract :
A method is disclosed of an access point adapted to operate in association with a communication standard with application of a sense before transmit principle (a.k.a. a listen before talk principle e.g. CSMA/CA) and adapted to communicate with one or more wireless communication devices associated with the access point. The method comprises (for each of the one or more wireless communication devices) maintaining (a respective clear channel assessment threshold value for the wireless communication device based on one or more parameters of the wireless communication device wherein the respective clear channel assessment threshold value is for application in channel sensing related to an intended transmission to the wireless communication device. Corresponding computer program product arrangement physical layer convergence protocol (PLCP) sublayer and wireless communication device are also disclosed.

No. of Pages : 21 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038654 A
(19) INDIA
(22) Date of filing of Application :11/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : AUTOMATED TELLER MACHINE AND MEDIUM PROCESSING DEVICE

(51) International classification :G07D9/00
(31) Priority Document No :2014097379
(32) Priority Date :09/05/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/062401
Filing Date :23/04/2015
(87) International Publication No :WO 2015/170599
(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)KOBAYASHI Hiroyuki

(57) Abstract :
This automated teller machine performs predetermined transaction processing using a medium that is equipped with a magnetic data storage unit and is provided with: one or a plurality of fraudulent device detection units that generate a magnetic field toward the vicinity of an inlet/outlet for the medium and capture a change in the magnetic field that is caused by metal; one or a plurality of magnetic data interference units that generate a magnetic field and interfere with the reading of the magnetic data that is stored in the magnetic data storage unit of the inserted medium or the discharged medium; and a control unit that controls the operation of the magnetic data interference unit and the fraudulent device detection unit.

No. of Pages : 20 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/11/2016
(21) Application No.201617038655 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : PROPHYLACTIC VACCINE AGAINST EGG DROP SYNDROME (EDS)

(51) International classification :C12N15/09,A61K39/235,A61P15/00
(31) Priority Document No :2014087620
(32) Priority Date :21/04/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/057657
Filing Date :16/03/2015
(87) International Publication No :WO 2015/163037
(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)SUENAGA Kiyotaka
5)ARAKAWA Takeshi
6)UEFUJI Hirotaka
7)HARAKUNI Tetsuya
8)MIYATA Takeshi

(57) Abstract :
The present invention addresses the problem of providing an egg drop syndrome (EDS) vaccine that is capable of effectively preventing EDS and can be stably supplied. To solve this problem provided is an EDS vaccine that comprises as an active ingredient a fused protein wherein a polypeptide having a coiled coil forming unit is bound to the knob region in a fiber protein of EDS virus (EDSV).

No. of Pages : 34 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039006 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : PROCESS FOR TRANSITIONING BETWEEN INCOMPATIBLE CATALYSTS

(51) International classification :C08F210/02,C08F2/34,C08F4/24
(31) Priority Document No :14170018.7
(32) Priority Date :27/05/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/061560
Filing Date :26/05/2015
(87) International Publication No :WO 2015/181151
(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)AL ENAZI Nayef

(57) Abstract :
The invention relates to a process for transitioning from a first contiunuous polymerization reaction of ethylene and a first comonomer for producing a linear low density polyethylene conducted in the presence of a Ziegler-Natta catalyst in a gas phase reactor to a second contiunuous polymerization reaction of ethylene and a second comonomer for producing a high density polyethylene conducted in the presence of a chromium-based catalyst in the gas phase reactor, the process comprising: (i) reducing the feed of the first comonomer into the reactor until the ratio of the first comonomer to ethylene in the reactor is at most 0.1; (ii) discontinuing the introduction of the Ziegler-Natta catalyst while the introduction of a co-catalyst of the Ziegler-Natta catalyst is continued and subsequently discontinuing the introduction of the co-catalyst; (iii) maintaining the polymerization conditions in the reactor and permitting polymerization to continue for a time in order to allow the components of the Ziegler-Natta catalyst present in the reactor to consume themselves in the production of additional polymer; (iv) discontinuing the introduction of all feeds into the reactor; (v) depressurizing the reactor; (vi) flow-purging the reactor; (vii) reducing the reactor temperature; (viii) introducing ethylene and H2 into the reactor to obtain a partial pressure of ethylene and a volume ratio of H2 to ethylene for the second polymerization reaction, wherein the partial pressure of ethylene is increased to the pressure for the second polymerization reaction at such a speed that the reactor temperature is maintained at a temperature lower than the temperature of the first polymerization conditions; (ix) increasing the reactor temperature to a temperature of the second polymerization conditions; (x) introducing the second catalyst into the reactor and (xi) introducing the second comonomer into the reactor to obtain a reactor composition for the second polymerization reaction.

No. of Pages : 36 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039024 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : ANALYTICAL METHOD

(51) International classification :G01N33/543
(31) Priority Document No :20140777
(32) Priority Date :19/06/2014
(33) Name of priority country :Norway
(86) International Application No :PCT/EP2015/063811
Filing Date :19/06/2015
(87) International Publication No :WO 2015/193471
(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)HAMSUND Torgeir
3)HOLTLUND Jostein Geir
4)GULLIKSEN Anja

(57) Abstract :
The present invention provides a method of analyzing a sample containing an analyte to be qualitatively and/or quantitatively determined comprising a binding step and a washing step wherein the binding step comprises: interacting the analyte with beads having a density m1; obtaining a structure of packed beads comprising quantifiable bead complexes having a density m2; and the washing step comprises: dispersing the packed beads in a liquid medium having a density d > m2 and m1; and separating the liquid medium and the beads comprising the quantifiable bead complexes.

No. of Pages : 29 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039025 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD OF TRANSFERRING BEADS

(51) International classification :G01N33/543
(31) Priority Document No :20140777
(32) Priority Date :19/06/2014
(33) Name of priority country :Norway
(86) International Application No :PCT/EP2015/063824
Filing Date :19/06/2015
(87) International Publication No :WO 2015/193478
(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)HAMSUND Torgeir
3)HOLTLUND Jostein Geir
4)GULLIKSEN Anja

(57) Abstract :
The present invention provides a method of transferring beads in a fluidic chip comprising an internal fluid circuit through which various reactants in which at least one of the reactants are beads may be moved by use of centrifugal force the method comprises the steps of: providing beads (8) having a density equal to or lower than ml in a section (7 15) of the fluid circuit the section comprising at least a first outlet (16 13); providing a first liquid medium to the section the liquid medium having a density d2 such that d2>ml; and applying a centrifugal force such that the beads migrate in the opposite direction of the centrifugal force.

No. of Pages : 27 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/11/2016
(21) Application No.201617038794 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : SYSTEMS AND METHODS FOR MEASUREMENT OF OXYGEN LEVELS IN BLOOD BY PLACEMENT OF A SINGLE SENSOR ON THE SKIN

(51) International classification :A61B5/1455,A61B5/00
(31) Priority Document No :61/993301
(32) Priority Date :15/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/031253
Filing Date :15/05/2015
(87) International Publication No :WO 2015/176043
(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)MOHLENHOFF Jonathan R.
3)HERNANDEZ Adriana
4)DOWNEY Benjamin M.

(57) Abstract :
Disclosed herein are systems and methods for measurement of oxygen levels in blood by placement of a single sensor on the skin. According to an aspect a method includes using a light transmitter to generate and direct light into a surface of skin. The method also includes using a detector to receive non absorbed light. Further the method includes measuring oxygen saturation level in blood based on the non absorbed light.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/11/2016
(21) Application No.201617038795 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : DEVICE FOR DISPENSING A FLUID PRODUCT

(51) International classification :B05B11/02,A61M15/00,A61M11/00
(31) Priority Document No :1456501
(32) Priority Date :04/07/2014
(33) Name of priority country :France
(86) International Application No :PCT/FR2015/051843
Filing Date :02/07/2015
(87) International Publication No :WO 2016/001601
(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)LEBEL Baptiste

(57) Abstract :
The invention relates to a device for dispensing a fluid product comprising a body (1) and a dispensing head (2) provided with a dispensing opening (3) and axially movable relative to said body (1) during actuation said body (1) receiving a vessel (10) containing a fluid product said vessel (10) comprising a hollow tube (11) having a proximal axial opening (12) closed by a plug (20) suitable for sealingly sliding inside said tube (11) upon actuation said dispensing head (2) comprising a hollow cylindrical cannula (4) connected on one side to said dispensing opening (3) and provided on the other side with a puncturing tip (5) provided with an opening (6) and intended for puncturing said plug (20) said plug (20) having a radial wall (22) punctured by said cannula (4) during actuation said opening (6) of said cannula (4) defining a peripheral edge (7) extending around said opening (6) and comprising a distal axial end and a proximal axial end the axial distance between said distal axial end and said proximal axial end of said peripheral edge (7) defining an axial span of said opening (6) said vessel (10) containing two metered amounts of fluid product dispensed during two consecutive actuations of the device said axial span of said opening (6) of said puncturing tip (5) being smaller than the axial thickness of said radial wall (22) of said plug (20).

No. of Pages : 7 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038813 A
(19) INDIA
(22) Date of filing of Application :14/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : FUSE PROTECTOR WITH MULTIPLE FUSES

(51) International classification :H01H85/12
(31) Priority Document No :201410206784.3
(32) Priority Date :16/05/2014
(33) Name of priority country :China
(86) International Application No :PCT/CN2015/074655
Filing Date :20/03/2015
(87) International Publication No :WO 2015/172604
(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)NAN Yin

(57) Abstract :
A fuse protector with multiple fuses comprises a fuse protector base (101) a fuse carrier (102) and fuse elements. The fuse elements are disposed on the fuse carrier (102) and the fuse carrier (102) is inserted in the fuse protector base (101). One side of the fuse protector base (101) is provided with at least two wiring assemblies and another side of the fuse protector base (101) is provided with at least two wiring assemblies. The fuse protector base (101) is further provided with base contacts (203) corresponding to the wiring assemblies. The fuse carrier (102) is inserted in the fuse protector base (101). When the fuse carrier (102) is pulled out of the fuse protector base (101) at least four fractures are formed at the same time and the voltage of an arc is distributed to the four contacts. Therefore the voltage of the arc is effectively reduced space is saved and the fuse protector can work with a Hall module and a current leakage module more conveniently.

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038823 A
(19) INDIA
(22) Date of filing of Application :14/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : PROCESS AND SYSTEM FOR OBTAINING CRUDE OIL PRODUCTS

(51) International classification :C10G9/36,C10G9/00
(31) Priority Document No :10 2014 006 326.7
(32) Priority Date :30/04/2014
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2015/059249
Filing Date :28/04/2015
(87) International Publication No :WO 2015/165920
(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 process is proposed for obtaining crude oil products where a gaseous stream (d) is formed by vaporization (2) from a crude oil stream (b) and the gaseous stream (d) is subjected at least to some extent to a steam cracking process (1) where the steam cracking process (1) produces a cracking gas stream (e) which is at least to some extent quenched with a liquid hydrocarbon stream (f) to give a quench output stream (g) The invention provides that at least to some extent that proportion (f) of the crude oil stream (b) that remains liquid during vaporization (2) of the crude oil stream (b) is used to form the liquid hydrocarbon stream (f) used for the quenching procedure. The liquid hydrocarbon stream used for quenching has low or zero content of components which have been isolated from the quench output stream (g) or which have been isolated from a stream formed from the quench output stream (g) and the quenching with the liquid hydrocarbon stream (f) provides the quench output stream at a temperature of from 0 to 250Â°C. The invention likewise provides a system (100) designed to carry out the process.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617039026 A
(19) INDIA
(22) Date of filing of Application :16/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD OF SEPARATING BEADS IN A FLUIDIC CHIP

(51) International classification :G01N33/543
(31) Priority Document No :20140777
(32) Priority Date :19/06/2014
(33) Name of priority country :Norway
(86) International Application No :PCT/EP2015/063817
Filing Date :19/06/2015
(87) International Publication No :WO 2015/193474
(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 provides a method of separating beads in a fluidic chip comprising an internal fluid circuit through which various reactants in which at least one of the reactants are beads may be moved by use of centrifugal force the method comprises the steps of: providing at least a first set of beads (8a) having a density ml and a second set of beads (8b) having a density m2 in a section (7 15 18) of the fluid circuit the section comprising at least a first outlet (16 13 17); providing a first liquid medium in the section the liquid medium having a density d3 such that ml < d3 < m2; and applying a first centrifugal force (G) such that the first set of beads (8a) and the second set of beads (8b) migrates in opposite directions within the section.

No. of Pages : 30 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617039041 A
(19) INDIA
(22) Date of filing of Application :16/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : FLUIDIC ANALYSIS AND SEPARATION

(51) International classification :G01N27/447,B01L3/00
(31) Priority Document No :1407641.8
(32) Priority Date :30/04/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2015/051256
Filing Date :30/04/2015
(87) International Publication No :WO 2015/166247
(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)KNOWLES Tuomas

(57) Abstract :
A method for analysing a component is provided. The method comprises the steps of: (iii) providing the electrophoretic or thermophoretic movement of the component into a second fluid flow; (iv) diverting a part of a first fluid flow a part of the second fluid flow or parts of the first fluid flow and the second fluid flow wherein the diverted part is a third fluid flow which comprises the component; (v) contacting the third fluid flow with a fourth fluid flow such as to form a laminar flow; (vi) providing the diffusion of the component into the fourth fluid flows.

No. of Pages : 42 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016

(21) Application No.201617039042 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : A DISPENSING SYSTEM

(51) International classification :B67D1/12,B67D3/00
(31) Priority Document No :61/986405
(32) Priority Date :30/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/028301
Filing Date :29/04/2015
(87) International Publication No :WO 2015/168290
(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 COCA COLA COMPANY
Address of Applicant :One Coca Cola Plaza NW Atlanta GA 30313 U.S.A.
(72)**Name of Inventor :**
1)GREEN Brad C.

(57) Abstract :
A dispenser system for providing variable carbonation can include a carbonated water source in communication with a carbonated water valve for controlling flow of carbonated water through the dispenser system; a still water source in communication with a still water valve for controlling flow of still water through the dispenser system; a nozzle in fluid communication with the carbonated water source and still water source; a processing device adapted to modulate the carbonated water and still water valves within a modulate cycle to achieve a ratio of carbonated to non carbonated water; and a pour mechanism adapted to provide an input to the processing device to dispense the beverage.

No. of Pages : 36 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039047 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : INTEGRATED MONITORING AND CONTROL OF PROCESSING ENVIRONMENT

(51) International classification	:G06F11/30,G06F11/32,G06F11/34
(31) Priority Document No	:61/980694
(32) Priority Date	:17/04/2014
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2015/026448
Filing Date	:17/04/2015
(87) International Publication No	:WO 2015/161236
(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)LACHIUSA Dino
2)VIGNEAU Joyce L.
3)BUXBAUM Mark
4)MILLER Brad Lee
5)WAKELING Tim

(57) Abstract :
A method of managing components in a processing environment is provided. The method includes monitoring (i) a status of each of one or more computing devices (ii) a status of each of one or more applications each application hosted by at least one of the computing devices and (iii) a status of each of one or more jobs each job associated with at least one of the applications; determining that one of the status of one of the computing devices the status of one of the applications and the status of one of the jobs is indicative of a performance issue associated with the corresponding computing device application or job the determination being made based on a comparison of a performance of the computing device application or job and at least one predetermined criterion; and enabling an action to be performed associated with the performance issue.

No. of Pages : 34 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/11/2016
(21) Application No.201617038669 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : AUTOINJECTOR

(51) International classification :A61M5/20,A61M5/315
(31) Priority Document No :1456432
(32) Priority Date :04/07/2014
(33) Name of priority country :France
(86) International Application No :PCT/FR2015/051827
Filing Date :02/07/2015
(87) International Publication No :WO 2016/001592
(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)APTAR FRANCE SAS
Address of Applicant :Lieudit Le PrieurÃ© F 27110 Le Neubourg France
(72)**Name of Inventor :**
1)FABIEN David

(57) Abstract :
The invention relates to an autoinjector comprising a body (1 2) a vessel (S) comprising a piston said autoinjector comprising a piston rod (5) movable between an inoperative position and an injection position in which said piston rod (5) has moved the piston of the vessel (S) in order to inject the fluid product a spring (6) being provided such as to bias said piston rod (5) toward the injection position thereof the autoinjector including a force adjustment system (7 8) suitable for exerting at least one force (F2) on said piston rod (5) said force (F2) adding to the force exerted by said spring (6) at the start of the injection said system including two pivoting members (7) engaging with said piston rod (5) said pivoting members (7) being connected to one another by two resilient elements (8) said body (1 2) comprising a handle (3) said pivoting members (7) being mounted such as to pivot on said handle (3) about stationary shafts (79) said autoinjector including an end of injection indicator consisting of and/or secured to said handle (3) and comprising an indication portion which is movable and/or deformable relative to said body (1 2) such as to engage after the end of the injection with at least one viewing window.

No. of Pages : 20 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/11/2016
(21) Application No.201617038670 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : AUTOINJECTOR

(51) International classification :A61M5/20
(31) Priority Document No :1456445
(32) Priority Date :04/07/2014
(33) Name of priority country :France
(86) International Application No :PCT/FR2015/051833
Filing Date :02/07/2015
(87) International Publication No :WO 2016/001595
(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)APTAR FRANCE SAS
Address of Applicant :Lieudit Le PrieurÃ© F 27110 Le Neubourg France
(72)**Name of Inventor :**
1)FABIEN David

(57) Abstract :
The invention relates to an autoinjector comprising a vessel (S) containing a fluid product and comprising a piston said autoinjector comprising a piston rod (5) suitable for engaging with the piston of said vessel (S) said piston rod (5) being movable between an inoperative position and an injection position in which said piston rod (5) has moved the piston such as to inject the fluid product an actuation spring (6) being provided such as to bias said piston rod (5) into the injection position thereof the autoinjector including a force adjustment system (7 8) suitable for exerting at least one force (F2) on said piston rod (5) said force (F2) adding to the force exerted by said spring (6) on said piston rod (5) at the start of the injection said system including two pivoting members (7) engaging with said piston rod (5) connected to one another by two resilient elements (8) at least one pivoting member (7) being blocked prior to actuation by a locking system (200) thus blocking the actuation of the autoinjector said autoinjector comprising an unlocking element (101) suitable for moving and/or deforming said locking system (200) in order to unblock said at least one pivoting member (7).

No. of Pages : 18 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/11/2016
(21) Application No.201617038672 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : REPORTING QUALITY OF EXPERIENCE OF RECEIVING DIGITAL CONTENT

(51) International classification :H04W24/08
(31) Priority Document No :PCT/CN2014/080055
(32) Priority Date :17/06/2014
(33) Name of priority country :China
(86) International Application No :PCT/SE2014/050880
Filing Date :09/07/2014
(87) International Publication No :WO 2015/195020
(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)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
Address of Applicant :S 164 83 Stockholm Sweden
(72)**Name of Inventor :**
1)LONG Hongxia

(57) Abstract :
It is provided a method for reporting quality of experience of receiving digital content over a cellular network. The method is performed in a wireless terminal and comprises the steps of: detecting an end of the reception of the digital content; obtaining a device identifier of the wireless terminal; generating a reception reporting message comprising the device identifier and quality of experience metrics related to the reception of the digital content; and transmitting the reception reporting message to a network node. Corresponding wireless terminal network node computer programs and computer program products are also provided.

No. of Pages : 25 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039125 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : PROCESS FOR THE PREPARATION OF OPIOID COMPOUNDS

(51) International classification :C07D489/12,C07D489/08
(31) Priority Document No :61/988508
(32) Priority Date :05/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/027906
Filing Date :28/04/2015
(87) International Publication No :WO 2015/171353
(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)NORAMCO INC.
Address of Applicant :1440 Olympic Drive Athens Georgia 30601 U.S.A.
(72)**Name of Inventor :**
1)CARDOT Jessica
2)ZHANG Wen Chun

(57) Abstract :
The present invention is directed to a process for the preparation of opioid compounds such as buprenorphine naltrexone naloxone nalbuphone nalbuphine and the like.

No. of Pages : 48 No. of Claims : 74

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039126 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : ANTIBODY FORMULATION

(51) International classification :C07K16/28,A61K39/395
(31) Priority Document No :61/994427
(32) Priority Date :16/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2015/053602
Filing Date :15/05/2015
(87) International Publication No :WO 2015/173782
(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)BLAKE HASKINS Angela
2)MARSHALL Tristan
3)OBERRY Kristen
4)PERKINS Melissa D.
5)CROTTS George H.
6)PURI Manasi
7)DUNLEAVY Donna M.

(57) Abstract :
The present invention relates to pharmaceutical formulations of a pharmaceutically active antigen binding protein, for example a monoclonal antibody. Such formulations comprise, in addition to the antigen binding protein, a buffering agent and a tonicity agent

No. of Pages : 47 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617039127 A
(19) INDIA
(22) Date of filing of Application :16/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : TOOL INTENDED FOR RAISING A VEHICLE

(51) International classification :B66F15/00,B66F3/00
(31) Priority Document No :1454921
(32) Priority Date :30/05/2014
(33) Name of priority country :France
(86) International Application No :PCT/EP2015/062065
Filing Date :01/06/2015
(87) International Publication No :WO 2015/181392
(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)SOFTBANK ROBOTICS EUROPE
Address of Applicant :43 rue du Colonel Pierre Avia 75015 Paris France
(72)**Name of Inventor :**
1)CLERC Vincent

(57) Abstract :
The invention relates to a tool (20) intended for raising a vehicle (14) relative to a reference plane (21) on which the vehicle (14) is intended to move. According to the invention the tool (20) is made up of an integral part having an arm (23) extending essentially according to a main axis (24) intended to be placed between the vehicle (14) and the reference plane (21) and to be operated by an operator substantially in a rotation movement around the main axis (24) of the arm (23). In one section of the arm (23) perpendicular to the main axis (24) and extending along the main axis (24) two overall distances D1 and D2 are defined which are angularly offset relative to one another. The first distance D1 is smaller than the second distance D2 the distance D1 being intended for being smaller than a distance D separating the vehicle (10) from the reference plane (21) and the distance D2 being intended for being greater than the distance D.

No. of Pages : 9 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039128 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : TITANIUM DIOXIDE

(51) International classification :C09C1/36
(31) Priority Document No :1409208.4
(32) Priority Date :23/05/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2015/051504
Filing Date :21/05/2015
(87) International Publication No :WO 2015/177562
(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)HUNTSMAN P&A UK LIMITED
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(72)**Name of Inventor :**
1)EDWARDS John L
2)TUCKER Benjamin D.
3)BROWN Andrew E
4)GIBBONS Linda

(57) Abstract :
The invention provides a method for preparing a dry titanium dioxide product, comprising the steps of: - providing a dispersion comprising titanium dioxide particles; - treating the titanium dioxide particles with a silane of formula (I): RIIORIaORSiX3 (I) wherein R is a divalent C1-24 organic group that is carbon-bonded to the silicon atom, RI is a C2-6 alkylene group, RII is hydrogen, a C1 -16 alkyl group, a C2-16 alkyl ether group, or a C2-12 acyloxy group, X is a hydrolysable group, and a is a number having a value from 3 to 150; and then - drying the dispersion to provide a dry titanium dioxide product. The dry titanium dioxide product may optionally be dispersed within a vehicle.

No. of Pages : 37 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617039129 A
(19) INDIA
(22) Date of filing of Application :16/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : ROTATING ELECTRIC MACHINE FOR INTERNAL COMBUSTION ENGINE

(51) International classification :H02K21/22,H02K11/00
(31) Priority Document No :2014102656
(32) Priority Date :16/05/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/002436
Filing Date :13/05/2015
(87) International Publication No :WO 2015/174090
(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)DENSOTRIM CO. LTD.
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(72)**Name of Inventor :**
1)DOMYO Masahisa
2)KANEMITSU Kentaro

(57) Abstract :
A case (51) supports a rotational position sensor. The case (51) has a side wall (52a) by which a container (52) for housing a circuit board (42a) is bounded and formed. The circuit board (42a) has a plurality of sensor connection portions (42b) to which sensor terminals (43a) are connected and a plurality of external connection portions (42c) to which a plurality of lead wires (45) are connected. A sealing resin (56) is held in the container (52). A grommet (47) is provided in the side wall (52a). The grommet (47) is formed of a softer material than the case (51) and mounted on a recess portion so as to prevent the sealing resin (56) from leaking out. The lead wires (45) are disposed passing through the grommet (47) so as to prevent the sealing resin (56) from leaking out.

No. of Pages : 26 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039067 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : FLUID FLOW SINKER

(51) International classification :F16L55/00,F16L35/00
(31) Priority Document No :61/984150
(32) Priority Date :25/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/027499
Filing Date :24/04/2015
(87) International Publication No :WO 2015/164729
(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)SAINT GOBAIN PERFORMANCE PLASTICS CORPORATION
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(72)**Name of Inventor :**
1)SNYDER Mitchell L.
2)NIXON Thomas R.

(57) Abstract :
A fluid flow sinker including a body having a generally cylindrical sidewall a first end a second end and an aperture extending between the first and second ends; and a fluid passageway disposed on the first end and extending from the generally cylindrical sidewall to the aperture wherein the fluid flow sinker is adapted to receive a tube in communication with the aperture.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617039068 A
(19) INDIA
(22) Date of filing of Application :16/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : OIL JET ARM AND METHOD FOR LUBRICATING CHAIN SPAN EMPLOYING SAID OIL JET ARM AND CHAIN TENSIONING DEVICE AND METHOD FOR LUBRICATING CHAIN SPAN EMPLOYING SAID CHAIN TENSIONING DEVICE

(51) International classification	:F16H57/04,F16H7/08,F01M1/08
(31) Priority Document No	:2014092157
(32) Priority Date	:26/04/2014
(33) Name of priority country	:Japan
(86) International Application No	:PCT/US2015/026339
Filing Date	:17/04/2015
(87) International Publication No	:WO 2015/164197
(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)BORGWARNER INC.
Address of Applicant :Patent Department 3850 Hamlin Road Auburn Hills Michigan 48326 U.S.A.
(72)**Name of Inventor :**
1)MISHIMA Kunihiko

(57) Abstract :
The problem to be solved by the present invention lies in making it possible to reduce costs and to reduce the size of an oil pump without impeding the degree of freedom in chain layout. An oil jet 1 is constructed in order to supply lubricating oil to a tension side span of a chain C while also causing a tensioning force to act on a slack side span of the chain C. The oil jet arm 1 is provided with a pivoting side part 2A and a tip end side part 2B which is provided in such a way as to be pivotable about the pivoting side part 2A and is acted on by a pressing force from a piston 41 of a hydraulic tensioner 4 and an oil ejection hole 22a for ejecting to the outside oil supplied from an oil discharge hole 41a in the piston 41 is formed in the tip end side part 2B. Oil ejected from the oil ejection hole 22a is supplied to a portion E on the meshing start side with a sprocket 100 on the tension side span of the chain C.

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039069 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : TREATMENT OF AQUEOUS MINERAL SUSPENSIONS WITH A POLYMERIC FLOCCULANTS

(51) International classification	:C08G65/10,C08G65/22,C08G65/26
(31) Priority Document No	:61/986132
(32) Priority Date	:30/04/2014
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2015/028462
Filing Date	:30/04/2015
(87) International Publication No	:WO 2015/168376
(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)WITHAM Cole A.
2)HANSEN Matthew J.
3)HITT James E.
4)MOHLER Carol Elaine
5)POINDEXTER Michael K.

(57) Abstract :
The present invention relates to a method of dewatering an aqueous mineral suspension comprising introducing into the suspension a flocculating system comprising a poly(ethylene oxide) copolymer in particular a copolymer of ethylene oxide and one or more epoxy or glycidyl ether functionalized hydrophobic monomer. Said poly(ethylene oxide) copolymers are useful for the treatment of suspensions of particulate material especially waste mineral slurries. The invention is particularly suitable for the treatment of tailings and other waste material resulting from mineral processing in particular the processing of oil sands tailings.

No. of Pages : 25 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039070 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : POLYMERIC FLOCCULANTS FOR TREATING AQUEOUS MINERAL SUSPENSIONS

(51) International classification :C08L83/12,C08G77/46,C02F1/54
(31) Priority Document No :61/986131
(32) Priority Date :30/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/028467
Filing Date :30/04/2015
(87) International Publication No :WO 2015/168378
(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)WITHAM Cole A.
2)HANSEN Matthew J.
3)HITT James E.
4)MOHLER Carol Elaine
5)POINDEXTER Michael K.

(57) Abstract :
The present invention relates to a method of dewatering an aqueous mineral suspension comprising introducing into the suspension a flocculating system comprising a poly(ethylene oxide) copolymer, in particular a copolymer of ethylene oxide and one or more silane- or siloxane-functionalized glycidyl ether monomer. Said poly(ethylene oxide) copolymers are useful for the treatment of suspensions of particulate material, especially waste mineral slurries. The invention is particularly suitable for the treatment of tailings and other waste material resulting from mineral processing, in particular, the processing of oil sands tailings.

No. of Pages : 27 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039071 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : PHOSPHATE ADHESION PROMOTERS

(51) International classification :C08G18/48,C08G18/50,C08G18/76
(31) Priority Document No :61/987530
(32) Priority Date :02/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/028981
Filing Date :04/05/2015
(87) International Publication No :WO 2015/168670
(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 :2040 Dow Center Midland Michigan 48674 U.S.A.
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(72)**Name of Inventor :**
1)VIETTI David E.
2)ZUPANCIC Joseph J.
3)BARRUS Jonathan

(57) Abstract :
A first aspect of the present invention is an adhesive composition comprising one or more polyisocyanates and one or more phosphate functional polyols. A second aspect of the present invention is a method of bonding two substrates together to form a bonded article said method comprising the steps of applying a layer of the composition of the first aspect to one of said substrates contacting said layer of the composition of claim 1 to a second substrate and curing or allowing to cure the composition of claim 1. A third aspect of the present invention is a bonded article formed by the method of the second aspect.

No. of Pages : 32 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/11/2016
(21) Application No.201617038675 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : MIDDLE DISTILLATE HYDROCRACKING CATALYST WITH A BASE EXTRUDATE HAVING A HIGH NANOPORE VOLUME

(51) International classification :B01J29/14,B01J35/10,C10G45/64
(31) Priority Document No :14/260421
(32) Priority Date :24/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/026814
Filing Date :21/04/2015
(87) International Publication No :WO 2015/164334
(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)MAESEN Theodorus Ludovicus Michael

(57) Abstract :
The present invention is directed to an improved hydrocracking catalyst containing a amorphous silica alumina (ASA) base and alumina support. The ASA base is characterized as having a high nanopore volume and low particle density. The alumina support is characterized as having a high nanopore volume. Hydrocracking catalysts employing the combination high nanopore volume ASA base and alumina support exhibit improved hydrogen efficiency and greater product yield and quality as compared to hydrocracking catalysts containing conventional ASA base and alumina components.

No. of Pages : 22 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038676 A
(19) INDIA
(22) Date of filing of Application :11/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : SUBMERSIBLE ELECTRICAL WICKET GATES OPERATOR

(51) International classification :F03B3/18,F03B15/04
(31) Priority Document No :61/980122
(32) Priority Date :16/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2015/000253
Filing Date :16/04/2015
(87) International Publication No :WO 2015/157852
(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)OTTH Denis
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(57) Abstract :
A system and method for electrically controlling a submersible hydro electric production system for avoiding leakage of oil and contaminants used in the existing hydraulic systems. The system comprises one or more submersible electrical actuators operably connected to a gate operating ring which in turn is connected to a plurality of wicket gates in the turbine. Each submersible electrical actuator comprises an electrical motor connected to a push pull rod which is configured to transform the rotation movement received at a first end thereof to a linear movement at a telescoping end opposite the first end for rotating the gate operating ring to a desired position. The electrical actuator includes a waterproof structure which houses the electrical motor and the push pull rod and at the same time allows for a telescoping movement of the push pull rod for rotating the gate operating ring.

No. of Pages : 13 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/11/2016
(21) Application No.201617038677 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : IMPROVED BIOCIDE COMPOSITIONS BASED ON CALCIUM FLUORIDE AS WELL AS USES THEREOF

(51) International classification :A01N59/10,A61K8/21,A61K33/16
(31) Priority Document No :PCT/EP2014/001112
(32) Priority Date :25/04/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/058231
Filing Date :16/04/2015
(87) International Publication No :WO 2015/162049
(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 improved biocide compositions based on calcium fluoride which are suitable for a broad range of applications including surface disinfectants, additives to construction materials and paints, antiseptic medical and cosmetic formulations, as a crop protection product and as a fast-acting disinfectant. The biocide composition of the invention com prise at least the following components: a) calcium fluoride b) a salicylic acid ester c) at least one organic acid selected from the group comprising or consisting of cinnamic acid, rosmarinic acid, vanillic acid, ascorbic acid, abscisic acid, mandelic acid, mevalon - ic acid, aspartic acid, salicylic acid, fumaric acid, isocitric acid, gallic acid, quinic acid, boswellic acid, carnosic acid, chlorogene acid, caffeic acid, other hydroxycarboxylic acids, or a salt or ester thereof, or thymol or citronellal. d) a cationic polymer and/or natural sea salt or a synthetic equivalent thereof and/or a cationic tenside, e) water. In preferred embodiments, the cationic polymer is selected from the group comprising or consisting of a poly(alkylene)guanidin or -biguanidin, or octenidin, and the organic acid is cinnamic acid and/or quinic acid.

No. of Pages : 23 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/11/2016
(21) Application No.201617038678 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : LOW TOXICITY SOLVENT SYSTEM FOR POLYAMIDEIMIDE AND POLYAMIDE AMIC ACID RESIN MANUFACTURE

(51) International classification :C09D179/08,C08G73/10,C08G73/14
(31) Priority Document No :61/981157
(32) Priority Date :17/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/026224
Filing Date :16/04/2015
(87) International Publication No :WO 2015/161107
(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)KELLY Carissa M.
2)NOGA David E.
3)SIDENSTICK John E.
4)BEN ASHER Limor
5)KONDO Atsuo

(57) Abstract :
Techniques and mechanisms to reduce toxicity in manufacturing of a polyamideimide and polyamide amic acid resin polymer. In an embodiment a polyamideimide is produced using at least one aprotic dialkylamide solvent and at least one co solvent. In another embodiment the at least one co solvent is selected from the group consisting of methyl actetate n propyl acetate t butyl acetate iso butyl acetate ethyl acetate isopropyl acetate methyl lactate ethyl lactate n propyl lactate isopropyl lactate n butyl lactate isobutyl lactate t butyl lactate cyclohexanone cyclopentanone n butyl acetate methyl alcohol ethyl alcohol isopropyl alcohol n acetyl morpholine e caprolactone and methylcyclohexane.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038827 A
(19) INDIA
(22) Date of filing of Application :14/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : HYDRAULIC SYSTEM

(51) International classification :F15B21/04,F15B1/02
(31) Priority Document No :10 2014 209 132.2
(32) Priority Date :14/05/2014
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2015/058582
Filing Date :21/04/2015
(87) International Publication No :WO 2015/172981
(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)SCHMUTTERMAIR Peter
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(57) Abstract :
The invention relates to a hydraulic system (1) comprising at least one hydraulic machine (4) which has a low pressure side (5) having a low pressure accumulator (10) and a high pressure side (6) having a high pressure accumulator (8). In order to simplify the operation of a hydraulic system a tank (14) can be connected to the hydraulic system (1; 21; 31; 41; 51) in order to degas the hydraulic system (1) and/or to compensate a loss of hydraulic medium.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038828 A
(19) INDIA
(22) Date of filing of Application :14/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : ABS HYDRAULIC UNIT

(51) International classification :B60T8/34
(31) Priority Document No :2014102053
(32) Priority Date :16/05/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/061812
Filing Date :17/04/2015
(87) International Publication No :WO 2015/174209
(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)SAGAYAMA Kosaku

(57) Abstract :
The purpose of the present invention is to provide an ABS hydraulic unit that is small and inexpensive. An ABS hydraulic unit (100) for performing anti lock brake control on a hydraulic brake wherein: the ABS hydraulic unit is provided with a pump and valve (13) provided within a hydraulic circuit for braking a hydraulic brake a motor (11) for actuating the pump a block (50) in which the pump and the valve (13) are incorporated and in which a pipeline through which brake fluid of the hydraulic circuit flows is formed and a control substrate (43) for controlling the motor (11) and the valve (13); and the control substrate (43) is arranged so as to extend along the direction in which the motor (11) and the valve (13) are incorporated into the block (50).

No. of Pages : 24 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/11/2016
(21) Application No.201617038829 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : COFFEE BEVERAGE COMPOSITION AND METHOD OF PRODUCING IT

(51) International classification :A23F5/20,A23F5/22,A23F5/40
(31) Priority Document No :62/018234
(32) Priority Date :27/06/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2015/062556
Filing Date :05/06/2015
(87) International Publication No :WO 2015/197340
(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)ELSBY Kevan
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8)MORA Federico
9)SRBLJIN Marija

(57) Abstract :
The present invention relates to coffee beverage compositions comprising soluble coffee solids and particles of roast coffee beans and with reduced formation of scum and a low content diterpenes. The invention further relates to methods of producing such coffee beverage compositions by removal of oil from a slurry of particles of roast coffee beans.

No. of Pages : 14 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/11/2016
(21) Application No.201617038830 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : CAPSULE PROCESSING UNIT OF BEVERAGE PREPARATION MACHINE

(51) International classification :A47J31/44
(31) Priority Document No :14176243.5
(32) Priority Date :09/07/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/065415
Filing Date :07/07/2015
(87) International Publication No :WO 2016/005352
(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)RYSER Antoine
3)PARTZSCH Milena

(57) Abstract :
A capsule processing unit of a beverage preparation machine which comprises an extraction unit to extract an ingredient of a beverage from a capsule during preparation of the beverage. The capsule processing unit comprising: a code reading system comprising a code reader and a code reading mechanism the code reading mechanism configured to effect reading of a code of a capsule by the code reader by imparting relative movement between a code reader and capsule; a capsule transfer mechanism configured to effect transfer of a capsule to the extraction unit; an actuator unit to actuate the code reading system to read the code and to actuate the capsule transfer mechanism to effect transfer of the capsule.

No. of Pages : 27 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/11/2016

(21) Application No.201617038831 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD AND APPARATUS

(51) International classification	:F01M1/12,F01M11/00,F01M11/12
(31) Priority Document No	:1409064.1
(32) Priority Date	:21/05/2014
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/EP2015/061334
Filing Date	:21/05/2015
(87) International Publication No	:WO 2015/177316
(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)GOODIER Steven Paul
3)PEARSON Richard
4)TAYLOR Oliver Paul

(57) Abstract :
In some embodiments there is provided a method of controlling a pressure gradient between a combustion chamber and a crankcase of an engine the method having: receiving at a control device a signal indicating that a lubricant container is coupled to a lubricant circulation system associated with the engine in response to the received signal providing data to cause operation of a suction control device for facilitating control of the pressure gradient.

No. of Pages : 21 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/11/2016
(21) Application No.201617038832 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : DROP IN SEAT DECK FOR FURNITURE ASSEMBLIES

(51) International classification :A47C23/00,A47C17/00
(31) Priority Document No :61/983771
(32) Priority Date :24/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/027550
Filing Date :24/04/2015
(87) International Publication No :WO 2015/164767
(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)BRANDTNER Timothy A.

(57) Abstract :
A drop in seat deck for furniture assemblies. Various embodiments reduce the complexity and bulk of the seating frame and also reduce the labor associated with assembly. Unlike the conventional spring suspensions which apply constant spring loaded forces on the frame rails to maintain the springs in tension the spring load force of the disclosed drop in seat deck is provided by solely by the structure of the drop in seat deck. Thus the frame can be designed to support only the weight of the seated person is transferred to the rails of the seating frame without consideration for pre loading the seat deck. In various embodiments dimensional changes to the seat deck occur under load. In some embodiments these changes are accommodated by enabling a free end of the seat deck to slide on a support surface; in other embodiments the changes are accommodated by flexures that are integral to the seat deck.

No. of Pages : 28 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617039130 A
(19) INDIA
(22) Date of filing of Application :16/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : CAROTENOID DERIVATIVE PHARMACEUTICALLY ACCEPTABLE SALT THEREOF AND PHARMACEUTICALLY ACCEPTABLE ESTER OR AMIDE THEREOF

(51) International classification	:C07C403/24,A61K31/22,A61K31/27
(31) Priority Document No	:2014104480
(32) Priority Date	:20/05/2014
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2015/064408
Filing Date	:20/05/2015
(87) International Publication No	:WO 2015/178404
(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)KOBAYASHI Satoshi
3)SHINOHARA Ryoma
4)NISHIDA Yasuhiro
5)TAKAHASHI Jiro

(57) Abstract :
The present invention addresses the problem of discovering a carotenoid compound exhibiting excellent water solubility. Provided is a carotenoid derivative represented by general formula (I) [in general formula (I): X represents a carbonyl group or a methylene group; R1 and R2 represent (a), namely -CO-A-B-D (in (a), A represents an alkylene group, an alkenylene group, or the like, B represents the formula -S(O)n-, or the formula -NR4CONR5-, and D represents hydrogen, a carboxyl group, or the like), or (b), namely -CO-E-F (in (b), E represents an alkylene group, or the formula -NR3- {wherein R3 represents (a1) hydrogen, (b1) an alkyl group, or the like}, and F represents a sulfo group); and the remainder comprises hydrogen, (a), (b), or (c), namely -CO-G (in (c), G represents hydrogen, an alkyl group, or the like)]. Also provided are: a pharmaceutically acceptable salt of the carotenoid derivative; and a pharmaceutically acceptable ester or amide of the carotenoid derivative.

No. of Pages : 260 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039136 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : AN ACCESS NODE A COMMUNICATION DEVICE RESPECTIVE METHOD PERFORMED THEREBY FOR CARRIER HOPPING

(51) International classification :H04W16/14
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2014/079073
Filing Date :03/06/2014
(87) International Publication No :WO 2015/184583
(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)LI Gen

(57) Abstract :
An access node a communication device methods performed thereby and a computer readable storage medium for carrier hopping are provided. A method of carrier hopping for an access node of a wireless communication network is provided. The access node operates on a first carrier in an unlicensed band. The method comprises: determining whether a hopping triggering condition is satisfied; and in response to determining that the hopping triggering condition is satisfied activating a carrier hopping procedure to a second different carrier in the unlicensed band.

No. of Pages : 28 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039145 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : IMPROVED PROCESS FOR PREPARING SUBSTITUTED CROTONIC ACIDS

(51) International classification :C07C67/327,C07C51/09,C07C69/734
(31) Priority Document No :14169288.9
(32) Priority Date :21/05/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/061038
Filing Date :20/05/2015
(87) International Publication No :WO 2015/177179
(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)NIEDERMANN Hans Peter
4)KAPPESSER Tobias
5)STUTZ Alfred

(57) Abstract :
A process to prepare a compound of Formula (I) wherein R3, R4 and R5 are each selected independently from hydrogen, halogen, alkyl, alkenyl, alkynyl, alkoxyl, and wherein the alkyl, alkenyl, alkynyl, and alkoxyl may be optionally substituted with one or more halogen, alkyl, alkenyl, alkynyl, and alkoxyl.

No. of Pages : 26 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039146 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : APPARATUS AND METHOD

(51) International classification :B65D19/00,G07F7/06
(31) Priority Document No :1409077.3
(32) Priority Date :21/05/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2015/061339
Filing Date :21/05/2015
(87) International Publication No :WO 2015/177321
(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)GOODIER Steven Paul
3)HELLMAN Hanna
4)LEESON Andrea

(57) Abstract :
A pallet comprising: a plurality of container seats wherein each seat is adapted to carry a fluid container; a data obtainer arranged to obtain container data from a data provider carried by a fluid container to be carried; a processor coupled to the data obtainer and configured to provide a signal based on the container data.

No. of Pages : 15 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/11/2016
(21) Application No.201617039183 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : SYSTEMS AND RELATED METHODS FOR MANUFACTURING RING PULL BOTTLE CROWNS

(51) International classification :B21D51/48
(31) Priority Document No :61/986521
(32) Priority Date :30/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/028541
Filing Date :30/04/2015
(87) International Publication No :WO 2015/168420
(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 :
Equipment and related methods for manufacturing ring pull crowns are disclosed herein. In one embodiment a method of manufacturing a ring pull crown comprises forming a plurality of crown bodies from a first source material and forming a plurality of pull ring and tab assemblies from a second source material. In addition such a method may comprise forming a plurality of ring pull crowns by combining each crown body of the plurality of crown bodies with a corresponding pull ring and tab assembly from the plurality of pull ring and tab assemblies. Also such method may also comprise forming a circumferential skirt that descends below a top of each ring pull crown and removing the plurality of ring pull crowns from the first source material.

No. of Pages : 51 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617039073 A
(19) INDIA
(22) Date of filing of Application :16/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : READY TO EAT GLUTEN FREE AND KETOGENIC COCONUT MEAT BASED CEREAL

(51) International classification :A23L1/164
(31) Priority Document No :12014000123
(32) Priority Date :22/04/2014
(33) Name of priority country :Phillipines
(86) International Application No :PCT/PH2015/000005
Filing Date :22/04/2015
(87) International Publication No :WO 2015/163773
(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)KIMES Priscila

(57) Abstract :
The present invention relates to a ready to eat gluten free and ketogenic cereal comprising of: coconut meat as the base component said base component comprising from about 48 parts to about 50 parts by weight of the cereal batter a natural binding component said binding component comprising of sago starch from about 2 parts to about 3 parts by weight of the cereal batter a natural food flavoring said food flavoring comprising from about 0 part to about 1 part by weight of the cereal batter and sufficient coconut water comprising from about 48 parts to about 50 parts by weight to render the cereal batter composition liquid like. The present invention further comprises a process for preparing such a ready to eat gluten free and ketogenic cereal with no salt no sugar no chemical preservatives and no artificial flavors and colors added and which has characteristically high medium chain triglyceride (MCT) and fiber contents and low glycemic index.

No. of Pages : 9 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039075 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHODS OF MANUFACTURING SILICON BLADES FOR SHAVING RAZORS

(51) International classification :C30B29/06,B26B21/58,C30B33/08
(31) Priority Document No :14/306702
(32) Priority Date :17/06/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/035910
Filing Date :16/06/2015
(87) International Publication No :WO 2015/195591
(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)LEUSSINK Peter Johannus
3)SONNENBERG Neville

(57) Abstract :
Methods are provided for the manufacture of razor blades from silicon material. In some implementations the method includes aligning a mono crystalline silicon wafer comprising a {100} surface at an angle where {111} planes intersect the {100} surface parallel and perpendicular to the wafer; etching the mono crystalline silicon wafer to expose an {111} plane and a second plane to provide a blade edge having between about a 20 degree included blade angle and about a 35 degree included blade angle; applying a hard coating on the blade edge; providing a radius of curvature of the blade edge between about 20 nanometers and about 100 nanometers after deposition of the hard coating; applying a soft coating on the blade edge; and removing the razor blade from the mono crystalline silicon wafer.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617039096 A
(19) INDIA
(22) Date of filing of Application :16/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : [0001] ENERGY EFFICIENT MANUFACTURING PROCESS FOR PREPARING N 0 TRIGLYCIDYL AMINOPHENOLS

(51) International classification :C07D301/24,C07D303/36
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/TH2014/000024
Filing Date :15/05/2014
(87) International Publication No :WO 2015/174936
(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)NAYAWAT Thipa
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6)SAMANT Prashant

(57) Abstract :
The invention relates to an improved process for making monomelic triglycidyl compounds, wherein the triglycidyl compounds include N, O-triglycidyl compounds containing at least one primary aromatic amine and one phenolic functional group attached to the same or a different aromatic ring. The methods of the present invention result in the production of N, O-triglycidyl compounds, such as those of formula I and II. The improved process is energy efficient, environment friendly, and results in increased yields of product. The methods of the present invention can be performed in the absence of protic organic co-solvents during the reaction of an epihalohyrdrin with an aminophenol, such as compounds of fonnula III and IV, which provides an intermediate halohydiin compound. The methods of the present invention may also be performed in the absence of a phase transfer catalyst.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039097 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : PROCESS TO PREPARE 3 METHYL 2 NITROBENZOIC ACID BY AIR OXIDATION

(51) International classification :C07C201/12,C07C205/57
(31) Priority Document No :62/004459
(32) Priority Date :29/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/033131
Filing Date :29/05/2015
(87) International Publication No :WO 2015/184229
(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)DUMAS Donald J.
3)SPENCE Rupert
4)SURISETTY Venkateswara Rao
5)CRAWFORD Sarah May

(57) Abstract :
A method for preparing 3-methyl-2-nitrobenzoic acid is disclosed wherein 1,3-dimethyl-2-nitrobenzene is combined with an oxidation catalayst in the presence of an oxygen source and an initiator, provided that less than 99% of the 1,3-dimethyl-2-nitrobenzene is oxidized.A method for preparing compounds of Formula 7 and Formula 11 is also disclosed wherein the method is characterized by using 3-methyl-2-nitrobenzoic acid as prepared by the method disclosed above.wherein R1 is C1â€“C7 alkyl, C3â€“C6 cycloalkyl or C4â€“C7 alkylcycloalkyl

No. of Pages : 56 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617039190 A
(19) INDIA
(22) Date of filing of Application :17/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : GEARBOX ASSEMBLY FOR A CHARGING INSTALLATION OF A METALLURGICAL REACTOR

(51) International classification :F27B1/20,F27D3/10,F27D99/00
(31) Priority Document No :LU 92469
(32) Priority Date :06/06/2014
(33) Name of priority country :Luxembourg
(86) International Application No :PCT/EP2015/062509
Filing Date :04/06/2015
(87) International Publication No :WO 2015/185693
(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)VANDIVINIT Jeff
3)HIENTGEN RenÃ©

(57) Abstract :
The invention relates to a gearbox assembly (2) for a charging installation (1) of a metallurgical reactor the assembly (2) comprising: a stationary casing (3) for housing a gear assembly the casing (3) comprising a bottom section (3.3) with a central opening (9) and a rotor (4) mounted within the casing (3) for rotation about a first axis (A) which defines an axial direction the rotor comprising a support (4) for the gear assembly a lower section (4.1) of the support (4) being disposed within the central opening (9). In order to provide for a better protection of a gear assembly the bottom section (3.3) comprises a first annular portion (7 8) extending radially inwards to a first radius and the lower section (4.1) has a second annular portion (10.1) extending radially outwards to a second radius that is greater than the first radius said second annular portion (10.1) being disposed adjacent to said first annular portion (7 8) wherein the first annular portion (7 8) comprises a ring element (8) disposed for sliding contact with the second annular portion (10.1).

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/11/2016
(21) Application No.201617039191 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : STABILISED RESIN COMPOSITION

(51) International classification :C08L23/12
(31) Priority Document No :14168526.3
(32) Priority Date :15/05/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/060615
Filing Date :13/05/2015
(87) International Publication No :WO 2015/173315
(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)VAN MIERLOO Sarah
2)SAMPERS Jacques

(57) Abstract :
The invention is directed to a resin composition that has both high heat resistance and high resistance against ultraviolet radiation. The invention is further directed to an article comprising said composition and to the use of a combination of compounds for stabilising a resin composition. The resin composition of the invention comprises (A) a polypropylene resin (B) an optionally substituted linear or branched alkyl ester of 3 (alkylated 4 hydroxyphenyl) propionic acid having a molecular weight of 750 g/mol or less (C) a hindered amine light stabiliser having a molecular weight of 1250 g/mol or more wherein the hindered amine is comprised in the backbone of the hindered amine light stabiliser molecule and (D) a thiosynergist.

No. of Pages : 30 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617039192 A
(19) INDIA
(22) Date of filing of Application :17/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : ASSEMBLY SYSTEM AND METHOD FOR ASSEMBLING A TOWER FOR A WIND GENERATOR

(51) International classification :E04H12/34,F03D11/04
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/FR2014/051158
Filing Date :19/05/2014
(87) International Publication No :WO 2015/177413
(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)JOSS Beat
2)FABRY Nicolas
3)MELEN BenoÃ®t

(57) Abstract :
The invention relates to a system for assembling a tower (2) for a wind generator consisting of a plurality of blocks (6) said system comprising: a structure (11) for lifting each of said blocks (6) and a structure (12) for supporting said lifting structure (11) the lifting structure (11) being moveable in relation to the support structure (12) between a block (6) gripping position and a block (6) holding position the lifting structure comprising a body (13) for gripping each block (6).

No. of Pages : 14 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/11/2016
(21) Application No.201617039195 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : ROTOR

(51) International classification :F03D80/00,F03B3/04,F03B3/12
(31) Priority Document No :2014261641
(32) Priority Date :25/12/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/005837
Filing Date :24/11/2015
(87) International Publication No :WO 2016/103572
(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)FUJII Takeo
3)YOSHIMURA Ryosuke

(57) Abstract :
To make it possible to improve the stability of power generation efficiency relative to fluctuations in the speed and orientation of a fluid. This rotor 1 for a wind hydropower machine is provided with a hub 10 supported on a main shaft and blades 20 of which the proximal ends 21 are linked to the hub. In a projected plane perpendicular to the rotational center axis of the rotor the front edge 31 of each of the blades has at only two different positions along the radial direction of the rotor front edge bulges 36 37 protruding in bulge shapes forward in the rotational direction of the rotor.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/11/2016
(21) Application No.201617038833 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : LOW TOXICITY SOLVENT SYSTEM FOR POLYAMIDEIMIDE AND POLYAMIDE AMIC ACID RESIN COATING

(51) International classification :C09D179/08,C08G73/10,C08G73/14
(31) Priority Document No :61/981155
(32) Priority Date :17/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/026255
Filing Date :16/04/2015
(87) International Publication No :WO 2015/161131
(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)NOGA David E.
3)SIDENSTICK John E.
4)BEN ASHER Limor
5)KONDO Atsuo

(57) Abstract :
A polyamideimide and polyamide amic acid resin polymer that allows for reduced levels of toxicity in manufacturing. In an embodiment a coating composition comprises at least one polyamideimide resin at least one aprotic dialkylamide solvent and at least one co solvent. In another embodiment the at least one co solvent is selected from a group consisting of methyl actetate n propyl acetate t butyl acetate iso butyl acetate ethyl acetate isopropyl acetate methyl lactate ethyl lactate n propyl lactate isopropyl lactate n butyl lactate isobutyl lactate t butyl lactate cyclohexanone cyclopentanone n butyl acetate methyl alcohol ethyl alcohol isopropyl alcohol n acetyl morpholine ? caprolactone and methylcyclohexane.

No. of Pages : 17 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038834 A
(19) INDIA
(22) Date of filing of Application :14/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD FOR MACHINING A PLATE LIKE WORKPIECE IN PARTICULAR A SHEET METAL PLATE

(51) International classification :B21D28/26,B44B5/00
(31) Priority Document No :10 2014 209 393.7
(32) Priority Date :19/05/2014
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2015/060212
Filing Date :08/05/2015
(87) International Publication No :WO 2015/176974
(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)BECHTOLD Martin
2)BRILLERT Heinz

(57) Abstract :
The invention relates to a method for machining a plate like workpiece in particular a sheet metal plate (2) by means of a machine tool in particular a punching/shaping machine wherein the workpiece has a plurality of receptacles (17) for insertion parts in particular weld nuts and/or weld rivets. By means of the machine tool each receptacle (17) is machined in accordance with how the insertion part should later be oriented in the receptacle and/or from which workpiece side (10 11) the insertion part should later be inserted into the receptacle (17). In addition the invention relates to a machining program for performing such a method. Finally the invention relates to a programming system for creating such a machining program and to a computer program product for forming such a programming system.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038839 A
(19) INDIA
(22) Date of filing of Application :15/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : PROCESS OF RECYCLING MIXED PET PLASTIC ARTICLES

(51) International classification :C08J11/10
(31) Priority Document No :14305722.2
(32) Priority Date :16/05/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/060521
Filing Date :12/05/2015
(87) International Publication No :WO 2015/173265
(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)MAILLE Emmanuel

(57) Abstract :
The invention relates to a method for recycling at least one mixed PET plastic article the method comprising degrading at least PET of the mixed PET plastic article to monomers and/or oligomers using an enzyme and recovering the resulting monomers and/or oligomers. The method of the invention may be used for depolymerizing simultaneously or sequentially at least two different polymers of the mixed PET plastic article and/or for recycling at least two mixed PET plastic articles.

No. of Pages : 33 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038840 A
(19) INDIA
(22) Date of filing of Application :15/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : CARBON DIOXIDE SENSING COLOR CHANGEABLE DYES FOR INDICATING EXPOSURE METHODS OF MAKING AND USING SUCH DYES AND APPARATUSES INCORPORATING SUCH DYE

(51) International classification :G01N21/78
(31) Priority Document No :14/292246
(32) Priority Date :30/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/032885
Filing Date :28/05/2015
(87) International Publication No :WO 2015/184093
(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)HEACOCK Gregory

(57) Abstract :
According to embodiments of the present application a carbon dioxide sensing color changeable dye can comprise a carbon dioxide status indicator a solvent a polymer wherein the carbon dioxide status indicator is dispersed an optional plasticizer and an optional agent to facilitate mixing. The color changeable dye is a first color in the presence of a carbon dioxide rich environment and is capable of changing to a second color upon exposure to atmospheric condition for a period of time corresponding to the intended use time of a restricted disposable or limited use product. Methods of making and using the color changeable dye and apparatuses incorporating such dye are also disclosed.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617039098 A
(19) INDIA
(22) Date of filing of Application :16/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : VACUUM VALVE

(51) International classification :H01H33/664
(31) Priority Document No :2014085371
(32) Priority Date :17/04/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/000872
Filing Date :23/02/2015
(87) International Publication No :WO 2015/159470
(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)SAKAGUCHI Wataru
3)SEKIMORI Yuki

(57) Abstract :
The vacuum valve of this embodiment comprises: an electrode shaped as a cup having an open surface on one side an internally formed cavity and provided on the outer peripheral side surface a plurality of spiral shaped electrode slits intersecting at an angle with the axial direction; a current carrying shaft attached on the other side facing away from the open surface of the electrode; a contact having a first recessed portion open to the current carrying shaft side and attached to the open surface side of the electrode; and a contact plate disposed in the first recessed portion having a lower resistivity than that of the contact and provided with contact plate slits running inwards from peripheral edge portions as starting points. Viewed from the contact side the central axis of each of the contact plate slits is tilted in the rotation direction of the spirals with respect to a line joining the center of the contact plate and the center at the starting point of the contact plate slit in the radial direction.

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617039099 A
(19) INDIA
(22) Date of filing of Application :16/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : VENTURI DEVICES WITH DUAL VENTURI FLOW PATHS

(51) International classification :F23D14/02
(31) Priority Document No :62/009655
(32) Priority Date :09/06/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/034844
Filing Date :09/06/2015
(87) International Publication No :WO 2015/191540
(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)GRAICHEN Brian M.
3)MILLER James H.
4)HAMPTON Keith

(57) Abstract :
Venturi devices and systems incorporating the Venturi devices are disclosed. The Venturi devices have a body defining a passageway that has a motive section and a discharge section spaced a distance apart from one another to define a Venturi gap. Both the motive section and the discharge section converge toward the Venturi gap. Also the body defines a first suction port and a second suction port generally opposite one another that are each in fluid communication with the Venturi gap. The Venturi gap is generally wider proximate both the first suction port and the second suction port than at a generally central point therebetween. In a system the Venturi device has its motive section fluidly connected to a source of motive pressure and one or both of the first and second suction ports in fluid communication with a device requiring vacuum.

No. of Pages : 16 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617039100 A
(19) INDIA
(22) Date of filing of Application :16/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : MOVABLE WIDE ANGLE OPHTHALMIC SURGICAL SYSTEM

(51) International classification :G01B9/02,A61B3/10,A61B3/13
(31) Priority Document No :14/331079
(32) Priority Date :14/07/2014
(33) Name of priority country :U.S.A.
(86) International Application No:PCT/US2015/038613
Filing Date :30/06/2015
(87) International Publication No :WO 2016/010725
(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 Lingfeng

(57) Abstract :
A surgical imaging system can include at least one light source configured to generate a light beam; a beam guidance system configured to guide the light beam from the light source; a beam scanner configured to receive the light from the beam guidance system and to generate a scanned light beam; a beam coupler configured to redirect the scanned light beam; and a wide field of view (WFOV) lens configured to guide the redirected scanned light beam into a target region of a procedure eye; wherein the beam coupler is movably positioned relative to the procedure eye such that the beam coupler is selectively movable to change at least one of an incidence angle of the redirected scanned light beam into the procedure eye and the target region of the procedure eye.

No. of Pages : 19 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617039101 A
(19) INDIA
(22) Date of filing of Application :16/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : COMPOSITION FOR PREPARING AN AMORPHOUS POLYMERIC FOAM USING A BENZYLIDENE SORBITOL NUCLEATING AGENT

(51) International classification	:C08J9/00,C07D493/04,C08J9/14
(31) Priority Document No	:14/316519
(32) Priority Date	:26/06/2014
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2015/001026
Filing Date	:20/05/2015
(87) International Publication No	:WO 2015/197152
(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)WEGNER Jan Erik
3)NEUBER Frank William

(57) Abstract :
The present invention relates to composition for the preparation of a polymeric foam with improved thermal properties to a polymeric foam obtainable therefrom and to a method for preparing such a polymeric foam each for them comprising (i) an at least essentially amorphous polymer resin and (ii) a nucleating agent. The at least essentially amorphous polymer resin is preferably polystyrene. The nucleating agent is preferably selected from the group consisting of 1 3:2 4 bis (benzylidene) sorbitol derivates and mixtures thereof and is preferably 1 3:2 4 bis O (4 methylbenzylidene) D sorbitol 1 3:2 4 bis (3 4 Dimethylbenzylidene) sorbitol and 1 3:2 4 bis (4 propylbenzylidene) propyl sorbitol.

No. of Pages : 27 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617039196 A
(19) INDIA
(22) Date of filing of Application :17/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : COMPOSITIONS AND METHODS FOR ENHANCING AND/OR PREDICTING DNA AMPLIFICATION

(51) International classification :C12Q1/68,C07H21/04
(31) Priority Document No :61/982784
(32) Priority Date :22/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/027074
Filing Date :22/04/2015
(87) International Publication No :WO 2015/164494
(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 features compositions and methods for amplifying a target oligonucleotide in a sample including detection of the target oligonucleotide in real time.

No. of Pages : 50 No. of Claims : 61

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/11/2016
(21) Application No.201617039199 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : SAMPLING AND ASSAY KIT SAMPLE HOLDER AND METHOD

(51) International classification :B01L3/00,A61B5/15,G01N21/03
(31) Priority Document No :14169315.0
(32) Priority Date :21/05/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/060505
Filing Date :12/05/2015
(87) International Publication No :WO 2015/177004
(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)EILOLA Sanna
4)RISSANEN Jaakko

(57) Abstract :
A sampling and assay kit comprises a cuvette for holding a quantity of a buffer solution and a sample holder including a capillary tube for obtaining a sample. The sample holder includes a body portion which holds the capillary tube. The body portion when inserted in the cuvette is effective to position the capillary tube within the cuvette at a predetermined position above the end of the cuvette.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/11/2016
(21) Application No.201617039213 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : TEMPORARY TRANSFER BUS

(51) International classification :H02G3/04,H02G5/00
(31) Priority Document No :61/982182
(32) Priority Date :21/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/026887
Filing Date :21/04/2015
(87) International Publication No :WO 2015/164381
(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)OCONNELL Daniel Neil

(57) Abstract :
The invention includes a method for transferring a power load between adjacent electrical conductors using a temporary transfer bus and the transfer bus apparatus itself wherein the transfer bus includes first and second conductive sections rigidly mounted to and separated by a rigid bus insulator and a selectively operable transfer bus closing device adapted to selectively electrically connect the first and second conductive sections to each other the method including suspending the first and second conductive sections from the adjacent conductors whether directly or using suspension insulators electrically connecting the conductive sections to the conductors and closing the transfer bus closing device.

No. of Pages : 16 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/11/2016
(21) Application No.201617039227 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD FOR OBTAINING A SUBSTRATE COATED WITH A FUNCTIONAL LAYER BY USING A SACRIFICIAL LAYER

(51) International classification :C03C17/00,C03C17/34,C03C17/36
(31) Priority Document No :1455151
(32) Priority Date :06/06/2014
(33) Name of priority country :France
(86) International Application No :PCT/FR2015/051451
Filing Date :02/06/2015
(87) International Publication No :WO 2015/185848
(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 concerns a method for obtaining a material comprising a substrate coated on at least a part of at least one of the faces of same with at least one functional layer, said method comprising: -a step of depositing the or each functional layer, then -a step of depositing a sacrificial layer on said at least one functional layer, then -a step of heat treatment by means of radiation chosen from laser radiation or radiation from at least one flash lamp, said radiation having at least one treatment wavelength of between 200 and 2500nm, said sacrificial layer being in contact with the air during said heat treatment step, then -a step of eliminating the sacrificial layer by using a solvent, said sacrificial layer being a monolayer and being such that, before heat treatment, it absorbs at least a part of said radiation at said at least one treatment wavelength, and after heat treatment, it is likely to be eliminated by dissolution and/or dispersion in said solvent.

No. of Pages : 25 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617039240 A
(19) INDIA
(22) Date of filing of Application :17/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : PREPARATION METHOD FOR CHIRAL INTERMEDIATE FOR USE IN STATINS

(51) International classification :C07D319/06,C12P7/62,C12N9/02
(31) Priority Document No :201410195360.1
(32) Priority Date :09/05/2014
(33) Name of priority country :China
(86) International Application No :PCT/CN2014/083636
Filing Date :04/08/2014
(87) International Publication No :WO 2015/168998
(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)CHEN Chaoyong
3)LI Jiuyuan
4)SHEN Litao
5)GUO Lina
6)TIAN Hongying

(57) Abstract :
The present invention relates to a preparation method for a chiral intermediate for use in statins acquired with chloroacetic acid and benzyl alcohol as starting materials via a series of reactions namely etherification condensation substitution and asymmetric reduction. The preparation method provided in the present invention has a novel route of synthesis allows an intermediate compound to be introduced conveniently into the chiral center of a glycol via enzyme reduction and not only is low in costs but also is reliable in quality. The route of synthesis provided in the present invention uses raw materials of low costs has an easy to operate process and provides a final product of great purity and high yield.

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038843 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : SUBSTITUTED 4 PHENYLPIPERIDINES THEIR PREPARAITON AND USE

(51) International classification :A61P27/02,A61K31/445,A61K31/451
(31) Priority Document No :61/986578
(32) Priority Date :30/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/028293
Filing Date :29/04/2015
(87) International Publication No :WO 2015/168286
(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)CIOFFI Christopher
5)FREEMAN Emily
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7)CONLON Michael
8)ZHU Lei

(57) Abstract :
The present invention provides a compound having the structure: wherein Ri, R2, R3, R4, and are each independ ently H, halogen, CF or C 1 alkyl, wherein two or more of Ri, R2, R3, R4, or R5 are other than H; R is H, OH, or halogen; and B is a substituted or unsubstituted heterobicycle, wherein when R i is CF , R2 is H, R is F , R is H, and is H, or R i is H, R2 is CF , R3 is H, R is CF , and R5 is H, or R i is Ci, R2 is H, R is H, R is F , and R5 is H, or R i is CF , R2 is H, R is F , R is H, and R5 is H, or R i is CF , R2 is F , R is H, R is H, and is H, or R i is Ci, R2 is F , R is H, R is H, and is H, then B is other than or a pharma ceutically acceptable salt thereof.

No. of Pages : 194 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038847 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : HYDROGENATED BLOCK COPOLYMER COMPOSITION AND ADHESIVE COMPOSITION

(51) International classification :C08L53/02,C09J11/06,C09J107/00
(31) Priority Document No :2014103809
(32) Priority Date :19/05/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/063690
Filing Date :12/05/2015
(87) International Publication No :WO 2015/178259
(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 hydrogenated block copolymer composition which meets predetermined requirements includes: a component (A) containing a copolymer block mainly composed of at least one vinyl aromatic hydrocarbon and a copolymer block mainly composed of at least one conjugated diene compound and having a weight average molecular weight of 30 000 to 500 000 inclusive; and a component (B) containing a copolymer block mainly composed of at least two vinyl aromatic hydrocarbons and a copolymer mainly composed of at least one conjugated diene compound and having a weight average molecular weight of 50 000 to 1 000 000 inclusive.

No. of Pages : 109 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038872 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : WATERBORNE AEROGEL AND METHOD FOR PRODUCING SAME

(51) International classification :C01B33/152,C01F7/46,C01G23/047
(31) Priority Document No :1020140186685
(32) Priority Date :23/12/2014
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2015/010868
Filing Date :14/10/2015
(87) International Publication No :WO 2016/104927
(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 waterborne aerogel and a method for producing same and more specifically to a waterborne aerogel which renders microparticulate aerogel more convenient to use by being in liquid form and for which the use of organic solvent has been reduced for an environment friendly composition and to a method for producing same.

No. of Pages : 14 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038873 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : NOVEL SPECIFIC BINDING POLYPEPTIDES AND USES THEREOF

(51) International classification :C07K14/00,C07K19/00,A61K38/16
(31) Priority Document No :14169488.5
(32) Priority Date :22/05/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/061034
Filing Date :20/05/2015
(87) International Publication No :WO 2015/177175
(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)ALLERSDORFER Andrea

(57) Abstract :
The present invention relates to novel specific binding therapeutic and/or diagnostic polypeptides directed against the target of Swiss Prot Q16552 and novel specific binding therapeutic and/or diagnostic polypeptides directed against the target of Swiss Prot Q9NPF7. In addition the present invention relates to novel specific binding therapeutic and/or diagnostic polypeptides directed against one or both of Swiss Prot Q16552 and Swiss Prot Q9NPF7. The invention also relates to nucleic acid molecules encoding such polypeptides and to methods for generation of such polypeptides and nucleic acid molecules. In addition the invention is directed to compositions comprising the polypeptides and therapeutic and/or diagnostic uses of these polypeptides.

No. of Pages : 86 No. of Claims : 96

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038874 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : CELLULOSE MICROFIBRILS

(51) International classification :C08B15/00,C12P19/00,C08L1/02
(31) Priority Document No :1409047.6
(32) Priority Date :21/05/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2015/051486
Filing Date :21/05/2015
(87) International Publication No :WO 2015/177548
(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)KALUM Lisbeth
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7)JÃ˜RGENSEN Bodil

(57) Abstract :
Processes for producing cellulose microfibrils from herbaceous plant material using enzyme compositions the cellulose microfibrils obtained from the processes and their uses and compositions comprising the cellulose microfibrils are described.

No. of Pages : 42 No. of Claims : 50

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038882 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : INDIVIDUALISED INORGANIC PARTICLES

(51) International classification :C01G9/02,C01G23/00,C01G23/053
(31) Priority Document No :1454141
(32) Priority Date :07/05/2014
(33) Name of priority country :France
(86) International Application No :PCT/FR2015/051223
Filing Date :07/05/2015
(87) International Publication No :WO 2015/170060
(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 inorganic particles having the particular property of being spontaneously individualised both in the dry state in the form of a powder and when they are dispersed in a matrix. The invention also relates to a method for producing said particles and to the materials produced by including said particles in matrices.

No. of Pages : 27 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/11/2016
(21) Application No.201617039242 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : FILM MEMBER HAVING UNEVEN STRUCTURE

(51) International classification :H05B33/02,H01L51/50,H05B33/04
(31) Priority Document No :2014100473
(32) Priority Date :14/05/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/063573
Filing Date :12/05/2015
(87) International Publication No :WO 2015/174391
(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 :
A film member (100) having an uneven structure has a substrate (40) a gas barrier layer (30) formed on the substrate (40) and an uneven structure layer (60) formed on the surface of the gas barrier layer. The surface (30a) of the gas barrier layer (30) and the uneven structure layer (60) are formed of the same inorganic material and the uneven structure layer (60) is obtained from a precursor liquid that is applied onto the gas barrier layer (30). The film member (100) having an uneven structure demonstrates good barrier properties and exceptional adhesion between the uneven structure layer (60) and the gas barrier layer (30).

No. of Pages : 54 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617039244 A
(19) INDIA
(22) Date of filing of Application :17/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : CABLE HOLDING TOOL

(51) International classification :H02G3/22,H02G3/32,H05K7/00
(31) Priority Document No :2014101392
(32) Priority Date :15/05/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/063283
Filing Date :08/05/2015
(87) International Publication No:WO 2015/174333
(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 :
Provided is a cable holding tool by which it is possible to reduce a gap formed in a portion where soft members sandwich a cable, and to increase air-tightness. Fluffy first sealing members (26a, 26b) are attached to a first opposing surface of a soft member (25). Fluffy second sealing members (29a, 29b) are attached to second opposing surfaces of soft members (28a, 28b). When a cable (17) is sandwiched between the first sealing members (26a, 26b) and the second sealing members (29a, 29b), the fluff of the first sealing members (26a, 26b) is in contact with the fluff of the second sealing members (29a, 29b).

No. of Pages : 11 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/11/2016
(21) Application No.201617039250 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : CATALYTIC SYSTEMS AND METHODS FOR PROCESS STREAM TREATMENT

(51) International classification :C02F1/72,C10L3/10,C08L33/26
(31) Priority Document No :61/981272
(32) Priority Date :18/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/026357
Filing Date :17/04/2015
(87) International Publication No:WO 2015/161187
(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)KUMFER Bryan J.

(57) Abstract :
Catalytic systems and methods for treating process streams are disclosed. Catalytic wet oxidation and hydrolysis techniques may be used to treat one or more undesirable constituents such as hydrolyzed polyacrylamide (HPAM) and kinetic hydrate inhibitors (KHI). Methane may be produced in connection with at least some embodiments.

No. of Pages : 18 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/11/2016
(21) Application No.201617039251 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHODS AND DEVICES FOR SOFT TISSUE DISSECTION

(51) International classification :A61B17/32
(31) Priority Document No :61/981556
(32) Priority Date :18/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/026466
Filing Date :17/04/2015
(87) International Publication No :WO 2015/161249
(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)PELL Charles A.

(57) Abstract :
Methods and devices for blunt dissection include a drive mechanism comprising an elongate rotary drive train having a first proximal end connected to a mounting base for attaching to a handle or a surgical robot and a second distal end. The drive mechanism comprises a differential dissecting member (DDM) configured to be rotatably attached to the second distal end. The drive mechanism further comprises a mechanism configured to mechanically rotate the DDM about a substantially transverse axis of member rotational oscillation thereby causing at least one tissue engaging surface to move in at least one direction against complex tissue and selectively engage the complex tissue such that when the DDM is pressed into the complex tissue the at least one tissue engaging surface moves across the complex tissue and disrupts at least one soft tissue in the complex tissue but does not disrupt firm tissue in the complex tissue.

No. of Pages : 44 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/11/2016
(21) Application No.201617039256 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : DIAGNOSTIC TEST AND TREATMENT/PREVENTION OF ALZHEIMER S DISEASE

(51) International classification	:A61K48/00,A61K38/17,A61P25/28
(31) Priority Document No	:61/994644
(32) Priority Date	:16/05/2014
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2015/031011
Filing Date	:15/05/2015
(87) International Publication No	:WO 2015/175898
(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 includes a method for diagnosis and treatment and prevention of Alzheimer s Disease comprising obtaining a biological sample from a subject suspected of having Alzheimer s Disease; determining the level of expression of HSP 27 wherein a statistically significant increase in HSP27 protein expression in the sample as compared to a sample from a non Alzheimer s patient is indicative that the subject has Alzheimer s Disease; and modifying the treatment of the subject as a result of the detection of Alzheimer s Disease by providing the subject with standard therapy or a single vector expressing an ?ÃŸ42 trimer peptide and optionally the addition of an ?ÃŸ42 peptide which elicits an immune reaction against the ?ÃŸ42 peptide thereby preventing the accumulation of ?ÃŸ42 peptide and therefore preventing or treating Alzheimer s Disease.

No. of Pages : 38 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039103 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD FOR THE PRODUCTION OF A FILTRATION MEMBRANE HAVING A MEAN MOLECULAR WEIGHT CUT OFF OF < 1000 G/MOL

(51) International classification :B01D67/00,B01D69/02,B01D71/68
(31) Priority Document No :14169648.4
(32) Priority Date :23/05/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/061261
Filing Date :21/05/2015
(87) International Publication No :WO 2015/177281
(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)KARINA Zedda

(57) Abstract :
The invention relates to a method for producing a filtration membrane having a mean molecular weight cut off of < 1000 g/mol.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039104 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : PROCESS FOR THE PREPARATION OF OPIOID COMPOUNDS

(51) International classification :C07D489/12,C07D489/08
(31) Priority Document No :61/988523
(32) Priority Date :05/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/027912
Filing Date :28/04/2015
(87) International Publication No :WO 2015/171354
(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 is directed to a process for the preparation of opioid compounds such as buprenorphine, naltrexone, naloxone, nalbuphone, nalbuphine, and the like.

No. of Pages : 49 No. of Claims : 70

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039105 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : OXYGEN BARRIER PLASTIC MATERIAL

(51) International classification :C08K5/20,C08L23/00,C08L25/00
(31) Priority Document No :14002123.9
(32) Priority Date :20/06/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2015/000773
Filing Date :13/04/2015
(87) International Publication No :WO 2015/192928
(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)MULLER Thierry

(57) Abstract :
The invention relates to use of an additive as oxygen barrier in a plastic material wherein (a) the plastic material is a polyolefin, a polyolefin copolymer or a polystyrene, and the additive is (b) and optionally (c): (b) a compound of formula (I); wherein Ra represents C7-C20 alkyl, C6-C10 aryl, C4-C10 heteroaryl, wherein the heteroatoms are N, O and/or S, (C2-C6)-aIkenylen-(C6-C10) aryl, C1-C6-alkylen-C6-C10-aryl, the aryl and heteroaryl radicals optionally being substituted by: hydroxyl, C1-C6-alkyl, C1-C6 alkoxyl, C6-C10 aryloxy, halogen, cyano, nitro, C6-C10-aryl, di(C1-C6)alkylamino, (C1-C6)alkylthio, C6-C10- arylthio, =O, =S, SO3H, SO2NR1R2, CO2R3, CONR1R2, NHCOR4, CO-C6-C10-aryl or a combination thereof, wherein R1, R2, R3, R4 are the same or different and independently represent hydrogen or C1-C6-alkyl; Rb represents a group selected from the moieties of formula (II), (III), (IV), (V), (VI) and (VII); wherein each Rc can be the same or different and independently represents hydrogen, C1-C20 alkyl or C6-C10-aryl, (C2-C4) alkenylen (C6-C10) aryl, C1-C4-alkylen-C6-C10-aryl, the aryl radicals optionally being substituted by hydroxyl, C1-C4-alkyl, C1-C4 alkoxyl, C6-C10 aryloxy, CI, cyano, C6-C10-aryl, or CO-C6-C10-aryl; Rd represents hydrogen, C1-30 alkyl, C6-C10-aryl or halogen; Re represents hydrogen, C1-30 alkyl, C6-C10-aryl or a halogen and can be on ortho (o) or meta (m) position to Rd; X can be O or N-Rf where Rf represents hydrogen, C1C20 alkyl or phenyl; Y can be O or S; n is a number from 1 to 30; (c) a transition metal catalyst.

No. of Pages : 27 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039106 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : MICRONEEDLES AND METHODS OF MANUFACTURE THEREOF

(51) International classification :A61M5/158
(31) Priority Document No :61/983593
(32) Priority Date :24/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/027672
Filing Date :24/04/2015
(87) International Publication No :WO 2015/164840
(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)HENRY Sebastien
4)GUO Xin Dong

(57) Abstract :
A microneedle array is provided for administrating a drug or other substance into a biological tissue. The array includes a base substrate; a primary funnel portion extending from one side of the base substrate; and two or more solid microneedles extending from the primary funnel portion wherein the two or more microneedles comprise the substance of interest. Methods for making an array of microneedles are also provided. The method may include providing a non porous and gas permeable mold having a two or more cavities each of which defines a microneedle; filling the cavities with a fluid material which includes a substance of interest and a liquid vehicle; drying the fluid material to remove at least a portion of the liquid vehicle and form a plurality of microneedles that include the substance of interest wherein the filling is conducted with a pressure differential applied between opposed surfaces of the mold.

No. of Pages : 48 No. of Claims : 67

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/11/2016
(21) Application No.201617039107 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : ANTI JAMMING SYSTEM IN A HUMANOID TYPE ROBOT

(51) International classification :B25J19/00,B25J19/06
(31) Priority Document No :1455028
(32) Priority Date :03/06/2014
(33) Name of priority country :France
(86) International Application No :PCT/EP2015/062459
Filing Date :03/06/2015
(87) International Publication No :WO 2015/185671
(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)MUGNIER Fabien
2)CLERC Vincent

(57) Abstract :
The invention relates to the safety of use of a humanoid type robot. The humanoid type robot comprises two elements (2 3) and an articulation (11) with at least one degree of freedom that connects the two elements the two elements each comprising a skin (22 23) delimiting the outer surface thereof the articulation (11) allowing movement in a given range a first of the two elements (2 3) being intended to come substantially into contact with a region (25 26) of the skin (22 23) of a second of the two elements at one end of the range. According to the invention the region (25 26) is flexible such that it can be deformed by a given distance with a force less than a given force. The first element (3) is coupled to the second element (2) by passing through the flexible region (26).

No. of Pages : 11 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038892 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : SIT TO STAND AND WALKING ASSISTIVE MOBILITY AID

(51) International classification :A61H3/04
(31) Priority Document No :61/993823
(32) Priority Date :15/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/030938
Filing Date :15/05/2015
(87) International Publication No :WO 2015/175859
(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)LILES Howard J.
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3)PAULUS Kenneth Curtis
4)KIRK Thomas Randy

(57) Abstract :
A walker to assist a person rising from a seated position the walker comprising: two or more front legs each having a proximal end a center and a distal end the distal end being adapted to contact the ground one or more cross members secured to and joining the front legs to one another a handle engaged to the proximal end of each front leg a joint mechanism engaged to each the front leg and a rear leg having a proximal end and a distal end the proximal end being engaged to each joint mechanism allowing the rear legs to pivot relative to the front legs.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016

(21) Application No.201617038894 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : DISPOSABLE FLUID DISPENSING HAIR REMOVAL DEVICE

(51) International classification :B26B21/44,B26B21/52
(31) Priority Document No :14175104.0
(32) Priority Date :30/06/2014
(33) Name of priority country :EPO
(86) International Application No :PCT/US2015/038208
Filing Date :29/06/2015
(87) International Publication No :WO 2016/003837
(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)SHOREY Anthony William
2)CATON Nicola Louise
3)HODGSON Matthew James

(57) Abstract :
The present invention relates to a hair removal and fluid application device (1) having a hair removal means (2) a fluid dispensing means (3) a fluid reservoir (10) and a support body (4). The device having a front surface (7) comprising said hair removal device (2) and a back surface (8) comprising said fluid dispensing means (3) wherein said support body (4) provides a predetermined location of said hair removal means (2) and said fluid dispensing means (3) with respective to one another. The device (1) has an at rest position and in use said device (1) has a hair removal means in use deflected position and a fluid dispensing means in use deflected position.

No. of Pages : 36 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038895 A
(19) INDIA
(22) Date of filing of Application :15/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : (ETHYLENE VINYL ACETAL) COPOLYMERS AND THEIR USE IN LITHOGRAPHIC PRINTING PLATE PRECURSORS

(51) International classification	:C08F216/06,C08F210/02,C08F224/00
(31) Priority Document No	:14168402.7
(32) Priority Date	:15/05/2014
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2015/060460
Filing Date	:12/05/2015
(87) International Publication No	:WO 2015/173231
(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 :IP Department 3622 Septestraat 27 B 2640 Mortsel Belgium
(72)**Name of Inventor :**
1)LOCCUFIER Johan
2)DESMET Tim

(57) Abstract :
An (ethylene, vinyl acetal) copolymer is disclosed which comprises (i) a plurality of ethylenic moieties A having a structure according to the following formula (I) wherein R2 and R3 independently represent hydrogen, a halogen or an optionally substituted linear, branched or cyclic alk(en)yl group, or an optionally substituted aromatic or heteroaromatic group; and (ii) a plurality of acetal moieties B having a structure according to the following formula (II) wherein L1 represents a divalent linking group; x = 0 or 1; and R1 represents an optionally substituted aromatic or heteroaromatic group including at least one hydroxyl group; and (iii) a plurality of acetal moieties C and/or moieties D which are different from the acetal moieties B, and which include at least one nitrogen atom.

No. of Pages : 59 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038912 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : MULTI EFFECT SOLAR DISTILLATION SYSTEM AND ASSOCIATED METHODS

(51) International classification :C02F1/14,B01D1/26,B01D5/00
(31) Priority Document No :62/000209
(32) Priority Date :19/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/031480
Filing Date :19/05/2015
(87) International Publication No :WO 2015/179342
(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)POLK JR Dale
2)POLK Timothy

(57) Abstract :
A solar distillation system includes solar panels and receivers adjacent the solar panels to receive process water to be processed to purified process water. The process water flows from a first receiver to a last receiver and is heated by reflected sunlight. Vapor tubes are coupled to the receivers with each respective vapor tube coupled between adjacent receivers. Water vapor is generated as the process water is heated within each receiver. The water vapor flows via the respective vapor tubes between the adjacent receivers towards the last receiver. A return vapor tube is coupled to the last receiver. A distillation tube is coupled to the return vapor tube to receive the water vapor. The distillation tube extends through the receivers from the last receiver to the first receiver. As the water vapor travels through the distillation tube it changes to a liquid with the liquid being the purified process water.

No. of Pages : 13 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617035505 A
(19) INDIA
(22) Date of filing of Application :17/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : SACCHAROMYCES CEREVISIAE STRAINS

(51) International classification :C12N15/04,C12P7/06,C12N1/18
(31) Priority Document No :14504849
(32) Priority Date :23/04/2014
(33) Name of priority country :Sweden
(86) International Application No :PCT/SE2015/050456
Filing Date :23/04/2015
(87) International Publication No :WO 2015/163814
(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)BONANDER Nicklas

(57) Abstract :
The present invention relates to a method of preparing a strain of sugar fermenting S with capability to ferment xylose wherein said method comprises different procedural steps. The method comprises mating a first sporulated strain with a second haploid strain. Thereafter screening for mated cells is performed growing such mated cells and verifying that mated cells exhibit basic morphology by microscopic inspection. Thereafter creation of a mixture of the mated cells is performed subjecting the mixture to continuous chemostat lignocellulose cultivation and obtaining the sugar fermenting cells with capability to ferment xylose is performed. The invention also comprises strains obtained by said method.

No. of Pages : 29 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035506 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : DRIVE ASSEMBLY FOR A MOTOR VEHICLE DRIVE SHAFT

(51) International classification	:B60K17/24,B60K5/04,B60K17/356
(31) Priority Document No	:1453739
(32) Priority Date	:25/04/2014
(33) Name of priority country	:France
(86) International Application No	:PCT/EP2015/058902
Filing Date	:24/04/2015
(87) International Publication No	:WO 2015/162252
(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)GOUZOU Christophe Pierre Jean
2)LE LAY FranÃ§ois Xavier

(57) Abstract :
The present invention concerns a drive assembly for a motor vehicle drive shaft comprising an engine a gearbox a shaft (50) divided into two half shafts coupled to a differential characterised in that a hydraulic machine (10) is linked to the gearbox or to the differential in order to be driven by said link the hydraulic machine (10) forming a bearing (100) for one of the half shafts (54).

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035507 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : UNA OLIGOMERS HAVING REDUCED OFF TARGET EFFECTS IN GENE SILENCING

(51) International classification :C12P19/34,C07H19/00,C07H21/00
(31) Priority Document No :61/970320
(32) Priority Date :25/03/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/022343
Filing Date :24/03/2015
(87) International Publication No :WO 2015/148580
(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)PAYNE Joseph E.
3)CHIVUKULA Padmanabh

(57) Abstract :
This invention provides UNA oligomers for gene silencing with reduced off target effects. The UNA oligomers can have a first strand and a second strand each of the strands being 19 29 monomers in length the monomers being UNA monomers and various nucleic acid monomers. Embodiments include pharmaceutical compositions and methods for treating or preventing TTR related amyloidosis with reduced off target effects by administering a UNA oligomer to a subject.

No. of Pages : 34 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016

(21) Application No.201617035508 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : PERCUSSION INSTRUMENT

(51) International classification :G10H1/32
(31) Priority Document No :1404861.5
(32) Priority Date :18/03/2014
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2015/050777
Filing Date :17/03/2015
(87) International Publication No :WO 2015/140536
(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)KHETERPAL Sudha

(57) Abstract :
A percussion instrument comprising an energy harvesting device is disclosed embodiments take the form of a percussion shaker and a drum various implementations are disclosed for harvesting kinetic energy from motion imparted to the instrument and converting it to electrical energy for later use and for transfer to an external device.

No. of Pages : 23 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/10/2016
(21) Application No.201617035516 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : PRESSURE VESSELS DESIGN AND METHOD OF MANUFACTURING USING ADDITIVE PRINTING

(51) International classification :F16K31/30,F16L17/06,F16L33/16
(31) Priority Document No :14/215107
(32) Priority Date :17/03/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/020985
Filing Date :17/03/2015
(87) International Publication No :WO 2015/142862
(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)KOTLIAR Igor K.

(57) Abstract :
Method and design of a pressure vessel having an internal supportive structure that reduces pressure forces applied to the external shell of the vessel by distributing such forces via internal bonds mostly connected to a central supporting element. The method and design allow making much lighter and stronger pressure vessels and containers using additive manufacturing technology known as 3D printing.

No. of Pages : 27 No. of Claims : 55

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/08/2015
(21) Application No.2547/DEL/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : SLIP COVER FOR SEATS, IN PARTICULAR PROTECTIVE COVER FOR CAR SEATS

(51) International classification :B60N
(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)KAUSHAL KUMAR SINGH
7)RAHUL APTE
8)RAHUL SHRIVATSAVA
9)ANSHUMAN VAID
10)SANTOSH B. JADHAV

(57) Abstract :
The invention relates to a slip cover 4, 5, 6 for seats, in particular a protective cover for car seats. The slip cover 4, 5, 6 comprises at least one stretchable circular-knitted textile fabric 10, 11, 12 for covering at least the front side of the seat 1, 2, 3. The textile fabric 10, 11, 12 is formed from stitches. The stitches comprise elastane fibres and polyester fibres.

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038915 A
(19) INDIA
(22) Date of filing of Application :15/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : 1H PYRROLO[2 3 C]PYRIDIN 7(6H) ONES AND PYRAZOLO[3 4 C]PYRIDIN 7(6H) ONES AS INHIBITORS OF BET PROTEINS

(51) International classification :C07D471/04,A61K31/437,A61P35/00
(31) Priority Document No :61/983289
(32) Priority Date :23/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/027047
Filing Date :22/04/2015
(87) International Publication No :WO 2015/164480
(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)FALAHATPISHEH Nikoo

(57) Abstract :
The present invention relates to substituted pyrrolopyridinones and substituted pyrazolopyridinones which are inhibitors of BET proteins such as BRD2 BRD3 BRD4 and BRD t and are useful in the treatment of diseases such as cancer.

No. of Pages : 124 No. of Claims : 99

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038920 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : PROCESSES OF PREPARING A JAK1 INHIBITOR AND NEW FORMS THERETO

(51) International classification :C07D495/14,A61K31/437,A61P25/00
(31) Priority Document No :61/986738
(32) Priority Date :30/04/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/028224
Filing Date :29/04/2015
(87) International Publication No :WO 2015/168246
(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)WANG Dengjin
6)JIA Zhongjiang
7)QIAO Lei
8)FRIETZE William
9)XIA Michael
10)DAI Yingrui

(57) Abstract :
This invention relates to processes for preparing a JAKl inhibitor having Formula la: as well as new forms of the inhibitor.

No. of Pages : 107 No. of Claims : 84

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617038924 A
(19) INDIA
(22) Date of filing of Application :15/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : SOLAR POWER PANEL FAILURE DETECTION AND SEARCHING SYSTEM

(51) International classification :G01N25/72
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2014/002262
Filing Date :22/04/2014
(87) International Publication No :WO 2015/162637
(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)UETAKI Ryohei
2)KAIO Daisuke

(57) Abstract :
To provide a solar power panel failure detection and searching system that has a searching device mounted on a remotely controllable air vehicle and is capable of always keeping the distance between a solar power panel and a detection means constant and always maintaining an optimal failure detection means angle. [Solution] A structure for detecting and searching for a location of a solar power panel abnormality or failure in a state in which a constant angle is maintained using a solar power panel failure detection and searching system in which a searching device is mounted on an air vehicle and that comprises: a control device comprising a control means for controlling a route and flight angle a control means for controlling and adjusting an angle of a detection means and a reception means and analysis means; the searching device comprising an angle sensor the detection means a detection means adjustment means and an imaging means; and a search result information transmission means.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/11/2016
(21) Application No.201617038928 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : CATHETER AND CATHETER SYSTEM FOR ELECTRICAL NEUROMODULATION

(51) International classification :A61N1/36,A61M25/10
(31) Priority Document No :62/001729
(32) Priority Date :22/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/031960
Filing Date :21/05/2015
(87) International Publication No :WO 2015/179634
(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)GOEDEKE Steven D.
2)WALDHAUSER Steven L.
3)EUTENEUER Charles L.

(57) Abstract :
A catheter having an elongate body at least two elongate stimulation members extending from the elongate body at least one electrode on each of the elongate stimulation members where the electrodes form an electrode array that receives and conducts electrical current. The elongate stimulation members curve only in the first volume defined at least in part by a first plane and a second volume defined at least in part by the first plane and being opposite the first volume can contain no electrodes. The catheter can further include a position gauge having a marking that indicates a length between a second end of the elongate body and a bumper end of the position gauge. The catheter can also include a pulmonary artery catheter having a lumen where the catheter extends through the lumen of the pulmonary artery catheter.

No. of Pages : 43 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION
(21) Application No.2555/DEL/2015 A
(19) INDIA
(22) Date of filing of Application :19/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : TRANSMISSION AND RECEPTION OF MEDICAL DATA IN A TELEMEDICINE SYSTEM

(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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(72)**Name of Inventor :**
1)GOYAL, Lalit
2)GOYAL, Saurabh

(57) Abstract :
The invention relates to a method of transmitting medical data from a local device to a remote hospital device or vice versa. The medical data including appointment details are broke into a number of portions based on the network speed availability at the local device and the broken portions are transmitted to a first server. The first server combines the received portions of medical data and sends the combined data to a second server. The second server determines the hospital and expert doctor to which the medical data has to be transmitted. Based on the determination the medical data is transmitted to the designated hospital and designated doctor.

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/08/2015
(21) Application No.2575/DEL/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : FUEL OVER FLOW DRAINAGE SYSTEM

(51) International classification	:F02M 59/00
(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)ASHUTOSH PRATAP SINGH

(57) Abstract :
A fuel overflow drainage system in two-wheeled vehicle (200) comprises lid cover (304), locking assembly (870) and an enclosure (900). Lid cover (304) comprising locking hook (870h), is configured to swing between an open and closed position. Fuel filler neck (308) is fluidically connected to fuel tank (302) is accessible for fuel refill in open position of lid cover (304) and is inaccessible in closed position. Locking assembly (870) is mounted to wall (412b) through mounting provisions (412l) for locking lid cover (304) in closed position. Locking assembly (870) comprises complementary locking member overlapping with locking slot (410) configured in wall (412b), where locking hook (870h) fits with complementary locking member in closed position. Enclosure (900) is mounted to wall (412b) overlapping with locking slot (410) through mounting provisions (412e) configured in wall (412b). Enclosure (900) comprises drain pipe (910) for draining spill-over fuel flowing from locking slot (410).

No. of Pages : 33 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/08/2015
(21) Application No.2576/DEL/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : HANDLE COVER

(51) International classification	:H01H 9/00
(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)ASHUTOSH PRATAP SINGH

(57) Abstract :
A handle cover (202) for a two-wheeled vehicle (100) comprises a main handle cover (203) configured to cover at least a first portion of a handle bar (107) and comprises a left side provision (216L) for accommodating one or more switches (208a, 208c) and a right side provision (216R) for accommodating one or more switches (208b, 208d). The handle cover (202) comprises at least one of a left switch cover (206L) and a right switch cover (206R). The left switch cover (206L) is removably mounted to the main handle cover (203) to cover the left side provision (216L) and comprises provisions for enabling a user to operate the switches (208a, 208c). The right switch cover (206R) is removably mounted to the main handle cover (203) to cover the right side provision (216R) and comprises provisions for enabling a user to operate the switches (208b, 208d).

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/08/2015
(21) Application No.2531/DEL/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : HERBICIDAL COMPOSITION

(51) International classification	:A01N 33/00
(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)PARIKSHIT MUNDHRA
2)JITENDRA MOHAN

(57) Abstract :
The present invention discloses a synergistic herbicidal composition, comprising; (a) Paraquat dichloride; (b) Oxyfluorfen; and (c) additives; wherein the mass ratio of Paraquat dichloride to Oxyfluorfen is in the range from 1.33:1 to 10:1.

No. of Pages : 27 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(21) Application No.2532/DEL/2015 A
(19) INDIA
(22) Date of filing of Application :17/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : SYNERGISTIC HERBICIDAL COMPOSITION

(51) International classification	:A01N 57/00
(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)PARIKSHIT MUNDHRA
2)JITENDRA MOHAN

(57) Abstract :
The present invention discloses a synergistic herbicidal composition, comprising Glyphosate and Paraquat dichloride, wherein the mass ratio between Glyphosate and Paraquat dichloride ranges from 1:5 - 8:1, and preferably is 2.73:1.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.2597/DEL/2015 A
(19) INDIA
(22) Date of filing of Application :21/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : BIODEGRADABLE MULTIPURPOSE GEAR OIL COMPOSITION FOR INDUSTRIAL AND AUTOMOTIVE APPLICATION AND ITS PROCESS THEREOF

(51) International classification :B66F
(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)PORWAL JYOTI
2)THAKRE DOULAT GANANATH
3)BAHERA BABITA
4)KAUL SAVITA

(57) Abstract :
The present invention relates to the development of biodegradable product(s) as base / fluids for multipurpose gear oils. Particularly in the present invention fluid(s)/ product composition (a) contains mono-l oleyl/mono-3 oleylglyceride 88%, mono-2 oleyl glycerides 1 1.7% (JOM-1) and product composition (b) 1,2 dioleyl glyceride 1 1.3 and 1, 3 dioleyl glyceride 87% (JOD-I). The biodegradable multipurpose gear biolube product co~nposition coded as JOM-I & JOD-l have excellent oxidation stability, excellent load bearing and antiwear properties, antifoaming, corrosion inhibiting characteristics with negligible TAN values along with excellent storage stability and meets the IS 1 1 18: 1992 standard specifications for multipurpose gear lubricants of extreme pressure type and confor~ningto SAE 80W grades.

No. of Pages : 30 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/08/2015
(21) Application No.2571/DEL/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : FUEL LID LOCKING STRUCTURE

(51) International classification	:E05B 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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(72)**Name of Inventor :**
1)ABHISHEK MISHRA

(57) Abstract :
A fuel lid locking structure in two-wheeled vehicle (200) comprises lid cover (304), locking assembly (870) and protective member (619). Lid cover (304) comprising locking hook (870h), is configured to swing between open position and closed position. Locking assembly (870) is mounted to wall (412b) through lock mounting provisions (412l). Locking assembly (870) comprises complementary locking member (872) overlapping with locking slot (410) configured in wall (412b). Protective member (619) detachably coupled to wall (412b) through lock mounting provisions (412l) comprises flaps members (619f, 619e) overlapping with locking slot (410). When lid cover (304) is rotated to assume closed position, flaps members (619f, 619e) are elastically deformed by movement of locking hook (870h) thereby allowing locking hook (870h) to fit with complementary locking member (872), whereby flaps members (619f, 619e) regain their original shapes after locking hook (870h) crossed flaps members (619f, 619e) to fit with complementary locking member (872).

No. of Pages : 29 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/08/2015
(21) Application No.2572/DEL/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : STORAGE BOX

(51) International classification	:F16L 37/00
(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)SURINDER SINGH CHADHA
2)VINOTH KUMAR MANI
3)ASHUTOSH PRATAP SINGH

(57) Abstract :
A storage box (101) in two-wheeled vehicle (100) comprises a storage body (102), a lid (104), a lock assembly (108) and a rib structure (112). One side of storage body (102) comprises opening (120). Storage body (102) comprises flange portion (114) comprising locking slots (116) configured therein. Lid (104) is swingably coupled to storage body (102) to assume an open position and a closed position, where lid (104) is configured to cover opening (120) in closed position of lid (104). Lock assembly (108) is mounted to lid (104) and comprises locking claw (118). In locked state, locking claw (118) is engaged with one or more locking slots (116). Rib structure (112) is disposed on inner surface (105) of lid (104) facing opening (120) such that in locked state, rib structure (112) overlaps with a side portion (115) of flange portion (114) to prevent a lateral movement of lid (104).

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/08/2015
(21) Application No.2533/DEL/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : AN IMPROVED CYLINDER LOCK

(51) International classification :B60R25/02
(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

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)Neeraj Bhardwaj
2)Anil Kumar Gupta

(57) Abstract :
An improved cylinder lock for vehicles comprising a housing being coupled coaxially with a casing and having a hollow internal space, wherein the housing has an integral locking pin disposed in the hollow internal space. A locking means configured to lock/unlock the steering handle of the vehicle and turn ON/OFF the ignition mechanism of the vehicle; wherein the locking means is mounted in the housing and is movably configured with the locking pin by means of a guiding slot; wherein the guiding slot receives the locking pin between the LOCKED, UNLOCKED/OFF and ON conditions of the improved cylinder lock. A circlip for securing the locking mean in the housing.

No. of Pages : 19 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(21) Application No.2592/DEL/2015 A
(19) INDIA
(22) Date of filing of Application :20/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : FLUID ADMINISTRATION MEDICAL DEVICE

(51) International classification	:A61M 25/00	(71)**Name of Applicant :**
(31) Priority Document No	:NA	**1)POLY MEDICURE LIMITED**
(32) Priority Date	:NA	Address of Applicant :Plot No. 105, Sector 59, HSIIDC Industrial Area, Faridabad, Haryana â€“ 121 004, INDIA Haryana India
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72)**Name of Inventor :**
Filing Date	:NA	**1)RISHI BAID**
(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 :
A fluid administration medical device (10) comprising: a catheter tube (14); a hub (12) having a distal section (34) and a proximal section (36), wherein the distal section (34) is joined to the catheter tube (14) and the proximal section (36) defines a housing (24); one or more ports (58) connected to the hub (12) by a fluid passage (62) through a passageway (72); a needle (20) extending through the hub (12) and the catheter tube (14) and defining an axial direction (A), wherein the needle (20) has opposite proximal and distal ends (22, 24), the distal end (22) forming a needle tip (30); a needle hub (16) attached to the proximal end (24) of the needle (20); a needle guard (26) slidably arranged on the needle (20), wherein the needle guard (26) is movably retained in the housing (48) of the hub (12) when the needle (20) extends through the hub (12) and the catheter tube (14), wherein the needle guard (26) is removable from the hub (12) once the needle tip (30) is received in the needle guard (26) upon withdrawal of the needle (20) from the catheter tube (14); and wherein the hub (12) is made of two parts i.e. first part (12a) and second part (12b) each of the parts (12a, 12b) having a distal end section (50) and a proximal end section (52).

No. of Pages : 33 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/08/2015
(21) Application No.7192/DELNP/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : DECORATIVE JET BLACK COATING

(51) International classification :C23C16/00,C23C16/02
(31) Priority Document No :10 2013 002 911.2
(32) Priority Date :21/02/2013
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2014/000355
Filing Date :10/02/2014
(87) International Publication No :WO 2014/127890
(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)GUIMOND, Sebastien
2)WURZER, Manfred
3)WIDOWITZ Franz

(57) Abstract :
The present invention relates to a jet black coating with resistance to wearÂ wherein first a DLC layer with a high degree of hardness is applied to a component and a gradient layerÂ the density of which decreases in the direction of the surfaceÂ is applied to said DLC layer. Owing to the refractive index curve created thereby in the gradient layerÂ the gradient layer functions as a reflection reducing layer.

No. of Pages : 13 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/08/2015
(21) Application No.2540/DEL/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : 2-(2-ARYL/ALKYL PHENYL) BENZAZOLES AS SELECTIVE COX-2 INHIBITORS

(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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2)Priyank Purohit
3)Shyam Sunder Sharma
4)Kapileswar Seth
5)Shivsharan Balbhim Kharatmal
6)Madhulika Singh
7)Gulshan Kumar

(57) Abstract :
The present invention provides novel 2-phenyl benzazoles of Formula I or II The compounds of the invention have high COX-2 selectivity and have high anti-inflammatory activity. Further, the present invention also provides a novel and advantageous method for synthesis of the compounds of the invention.

No. of Pages : 32 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(21) Application No.2581/DEL/2015 A
(19) INDIA
(22) Date of filing of Application :20/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : IMPROVED METHOD FOR ENHANCING FILTRATION YIELDS IN TANGENTIAL FLOW FILTRATION SYSTEM

(51) International classification	:G11B 7/00
(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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3)AMIT KUMAR SHARMA
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5)SANGEETHA R
6)KLAUS HEINRICH GEBAUER
7)KARL AXEL JAKOB LIDERFELT
8)FREDRIK OSKAR LUNDSTROM

(57) Abstract :
The disclosure generally relates to methods and apparatus for the efficient quantitative recovery of valuable biological fluids from filtration systems, more particularly to efficient quantitative recovery of valuable biological fluids from high precision separation systems suitable for use in the pharmaceutical and biotechnology industries.

No. of Pages : 18 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(21) Application No.2596/DEL/2015 A
(19) INDIA
(22) Date of filing of Application :21/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : A PROCESS FOR RECOVERY OF MANGANESE FROM ELECTROSTATIC PRECIPITATOR (ESP) SLAG OF IRON, STEEL AND ALLOY INDUSTRIES

(51) International classification :B03C
(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)MARUTHAMUTHU SUNDARAM
5)KRISHNA KUMAR VASUDEVAN
6)MADHAN MOHAN RAJU VENKATA RAJU

(57) Abstract :
The present invention relates to the process for recovery of manganese from the slag collected in the electrostatic precipitators (ESP) of iron, steel and aluminum alloy industries. ESP slag is an industrial waste, which was converted into useful manganese metal. The present invention puts forward the novel method of recovering manganese from ESP slag as pure manganese sulphate and then to a pure manganese metal via chemical and electrochemical methods. ESP slag was treated with sulfuric acid of 1 to 2 molar and dicarboxylic acids of the concentrations ranging from 0.2 to 1.5 molar to leach out manganese ions in the solution under the temperature conditions ranging from 85 to 95Â°C. The leached solution contained manganese and small amounts of iron. Selective precipitation was carried out using sodium hydroxide/potassium hydroxide/calcium hydroxide to get pure manganese sulphate. The electro winning process was carried out to recover manganese as pure metal deposit over the plain titanium sheet (cathode). Electrolytic bath was prepared with 50-60 g/L manganese sulphate, 140-160 g/L ammonium sulphate and l-2g/L of sodium sulfite. TSIA (Titanium substrate insoluble anode) was used as an anode and plain titanium sheet as cathode. The electro winning was carried out with a current density range of 0.05-0.15 A/cm2 at a pH of 7-8.

No. of Pages : 30 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035230 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : SILDENAFIL SOLUTIONS AND METHODS OF MAKING AND USING SAME

(51) International classification :A01N43/90
(31) Priority Document No :61/955299
(32) Priority Date :19/03/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2015/052014
Filing Date :19/03/2015
(87) International Publication No :WO 2015/140748
(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)ROGOSNITZKY Moshe
2)ABOOHI Morris

(57) Abstract :
The invention relates to compositions containing dissolved sildenafil citrate and methods of producing such compositions wherein sildenafil citrate is dissolved in water mixed with one or more alcohols and optionally a ketone may be used to enhance solubility. It also relates to methods of using such compositions containing dissolved sildenafil citrate utilizing dosages significantly below existing therapeutic dosages of sildenafil citrate.

No. of Pages : 39 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/10/2016
(21) Application No.201617035248 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : DOUBLE MICRO ELECTRODE CATHETER

(51) International classification :A61B5/042,A61B5/053,A61B5/00
(31) Priority Document No :62/005551
(32) Priority Date :30/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/031591
Filing Date :19/05/2015
(87) International Publication No :WO 2015/183635
(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)BENCINI Robert F.
2)KOBLISH Josef V.

(57) Abstract :
Medical devices and methods for making and using medical devices are disclosed. An example medical device may include a catheter for use in cardiac mapping and/or ablation. The catheter may include an elongate catheter shaft having a distal ablation electrode region capable of ablating tissue. A plurality of micro electrode assemblies may be coupled to the distal ablation electrode region. At least one of the micro electrode assemblies may include an inner electrode and an outer electrode disposed at least partially around the inner electrode. At least one of the inner electrode and the outer electrode may comprise a sensor.

No. of Pages : 18 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(21) Application No.2565/DEL/2015 A
(19) INDIA
(22) Date of filing of Application :20/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : LOW COST MODIFIED TEXTURIZED SILICON BASED GAS SENSORS FOR ROOM TEMPERATURE SENSING APPLICATION

(51) International classification	:G01R 33/00
(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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4)ABHISHEK VERMA
5)DEVINDER MANDHWAL
6)PRASHANT SHUKLA
7)VINOD KUMAR JAIN

(57) Abstract :
The present invention relates to a silicon based gas and vapor sensor and a method of fabrication thereof comprising modified textured silicon as substrate and sensing element for the detection of various gases/vapors having electron donating or withdrawing tendency for room temperature applications. The modified textured multi-crystalline silicon wafer acts as gas and vapor sensor element at room temperature and its resistance changes upon exposure to different analyte molecules. The resistance of the sensor increases when exposed to the gases having electron-donating tendency such as but not limited to ammonia, where as the resistance decreases when exposed to the gases with electron-withdrawing nature, such as but not limited to pitrous oxide etc.

No. of Pages : 12 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(21) Application No.2549/DEL/2015 A
(19) INDIA
(22) Date of filing of Application :19/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : AN ANAEROBIC COLUMN REACTOR FOR EFFICIENT BIOMETHANATION OF WASTELS AND THE PROCESS THEREOF

(51) International classification :C02F
(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)SANDEEP YESHAWANT BODKHE
2)ATUL NARAYAN VAIDYA

(57) Abstract :
A device for efficient conversion of biodegradable organic matter present in wastewaters and solid wastes into resources such as methane energy and compost; consisting essentially of a column of at least four expended portions (EP), connected to each other by constricted portions (CP), waste feeding and chemicals feeding facility, biogas collection sampling and measurement assembly, slurry/digestate recirculation assembly, with backwash facility.

No. of Pages : 32 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/08/2015
(21) Application No.2610/DEL/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : RE-CIRCULATION LOOP IN CFF/TFF SINGLE USE FLOW PATH

(51) International classification :B01D 61/00
(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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3)AMIT KUMAR SHARMA
4)AJIT S. VERNEKAR
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6)KARL AXEL JAKOB LIDERFELT
7)FREDRIK OSKAR LUNDSTROM

(57) Abstract :
The disclosed subject matter relates to an automated CFF/TFF system that provides the operations of system treatment with a system treatment solution (such as buffer) and filtration of a solution (e.g., a biofluid) can be accomplished in succession without having to re-configure the system (such as re-routing the fluid conduits) that could compromise the integrity of the system. As a result, there will be reduced contamination risk, reduced volume of buffer required and will save time for the filtration process.

No. of Pages : 36 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(21) Application No.2593/DEL/2015 A
(19) INDIA
(22) Date of filing of Application :20/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : FLUID ADMINISTRATION MEDICAL DEVICE

(51) International classification	:A61M 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

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(72)**Name of Inventor :**
1)RISHI BAID

(57) Abstract :
A fluid administration medical device (10) comprising: catheter tube (14); a hub (12) having a distal section (34) and a proximal section (36), wherein the distal section (34) is joined to the catheter tube (14) and the proximal section (36) defines a housing (24); one or more ports (58) connected to the hub (12) by a fluid passage (62) through a passageway (72); a needle (20) extending through the hub (12) and the catheter tube (14) and defining an axial direction (A), wherein the needle (20) has opposite proximal and distal ends (22, 24), the distal end (22) forming a needle tip (30); a needle hub (16) attached to the proximal end (24) of the needle (20); a needle guard (26) slidably arranged on the needle (20), wherein the needle guard (26) is movably retained in the housing (48) of the hub (12) when the needle (20) extends through the hub (12) and the catheter tube (14), wherein the needle guard (26) is removable from the hub (12) once the needle tip (30) is received in the needle guard (26) upon withdrawal of the needle (20) from the catheter tube (14); and wherein the hub (12) provided with an opening or window (68) providing additional space for arms (40, 42) of the needle guard in the ready position.

No. of Pages : 33 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(21) Application No.2594/DEL/2015 A
(19) INDIA
(22) Date of filing of Application :20/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : FLUID ADMINISTRATION MEDICAL DEVICE

(51) International classification	:A61M 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

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(57) Abstract :
A fluid administration medical device (10) comprising: a catheter tube (14); a hub (12) having a distal section (34) and a proximal section (36), wherein the distal section (34) is joined to the catheter tube (14) and the proximal section (36) defines a housing (24); one or more ports (58) connected to the hub (12) by a fluid passage (62) through a passageway (72); a needle (20) extending through the hub (12) and the catheter tube (14) and defining an axial direction (A), wherein the needle (20) has opposite proximal and distal ends (22, 24), the distal end (22) forming a needle tip (30); a needle hub (16) attached to the proximal end (24) of the needle (20); a needle guard (26) slidably arranged on the needle (20), wherein the needle guard (26) is movably retained in the housing (48) of the hub (12) when the needle (20) extends through the hub (12) and the catheter tube (14), wherein the needle guard (26) is removable from the hub (12) once the needle tip (30) is received in the needle guard (26) upon withdrawal of the needle (20) from the catheter tube (14); and wherein the housing (48) includes holding means for holding the needle guard (26) against retracting forces.

No. of Pages : 33 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/11/2016
(21) Application No.201617039257 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : ELECTRODE FOR A PHOTOVOLTAIC BATTERY

(51) International classification :H01G9/042
(31) Priority Document No :62/000809
(32) Priority Date :20/05/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2015/050457
Filing Date :20/05/2015
(87) International Publication No :WO 2015/176185
(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)FAURE Cyril
3)GUERFI Abdelbast
4)HOVINGTON Pierre
5)ZAGHIB Karim

(57) Abstract :
The present invention relates to an electrode including an electrode material of the same type as the electrode materials used in Li ion batteries and a colouring agent. The electrode may further include a semiconductor material. The electrode is used for producing a battery which is rechargeable using light.

No. of Pages : 20 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617039258 A
(19) INDIA
(22) Date of filing of Application :17/11/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : SUPPORT MODULE FOR AN OHC VALVE GEAR OF AN INTERNAL COMBUSTION ENGINE

(51) International classification :F01L1/18,F01L1/053
(31) Priority Document No :10 2014 211 638.4
(32) Priority Date :18/06/2014
(33) Name of priority country :Germany
(86) International Application No :PCT/DE2015/200222
Filing Date :31/03/2015
(87) International Publication No :WO 2015/192835
(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)KRAWIETZ Christopher
3)MAYER Johanna

(57) Abstract :
The invention relates to a support module (1) for an OHC valve gear of a single-cylinder internal combustion engine, comprising two upright support walls (2) spaced apart from each other, in which at least one camshaft (3) and at least one lever pin (4, 5) having one or more cam-following levers (6, 7) thereon are supported in such a way that the at least one camshaft and the at least one lever pin each bridge the support walls (2), wherein the support module (7) can be connected to a cylinder head in a base region (8) of the support module and wherein the support walls (2), together with the base region (8), which is present as a plate, form a one-piece unit obtained from sheet metal by stamping, and the support walls are bent up from the base region (8).

No. of Pages : 6 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/06/2016
(21) Application No.201614020788 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : SOLAR REFRACTION DEVICE FOR HEATING INDUSTRIAL MATERIALS

(51) International classification :H01L 31/00
(31) Priority Document No :14/829,553
(32) Priority Date :18/08/2015
(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)ZOLNOWSKI Michael R.

(57) Abstract :
Disclosed is a solar refraction device (â€œSRDâ€ •) for heating industrial materials in a heating container, having a bottom, with diffuse solar energy that impinges on an outside surface of the SRD and is refracted through the SRD. The SRD may include a lens array assembly and a plurality of lens panes attached to the lens array assembly. The lens array assembly may include an outside surface corresponding to the outside surface of the SRD, an inside surface, and a plurality of lens array sub-assemblies.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.2529/DEL/2015 A
(19) INDIA
(22) Date of filing of Application :17/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : APPARATUS TO VERIFY EXPERIMENTALLY FIFTEEN GEOMETRICAL THEOREMS (PUNJ APPARATUS)

(51) International classification :G02C
(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)KUMAR, Rajesh

(57) Abstract :
An apparatus to verify experimentally fifteen geometrical theorems has been designed. It consists of wooden circular disk of radius about 15 cms and about two cms thick. A stretched elastic loop is fixed around it so that the thin plastic pipes can be fixed between the edge of the disc and the elastic loop. Narrow plastic pipes through which threads passes in different way for different theorems to be prove experimentally. Weights are hanged at the ends of the thread so that the portion of the thread on the disc between the pipes remains straight as shown in the figure and Protractor to measures the angles.

No. of Pages : 22 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(21) Application No.2556/DEL/2015 A
(19) INDIA
(22) Date of filing of Application :19/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD AND ELECTRONIC DEVICE FOR SEEKING A CONTEXTUAL SUPPORT DURING A SET-UP PROCESS

(51) International classification :G11B
(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)MAGARKAR, Sanket
5)GOVEKAR, Dhananjay
6)ARIF, Tasleem
7)KUMAR, Manoj
8)BANERJI, Yogiraj

(57) Abstract :
The present invention enables user to request for assistance even when an electronic device has not been setup and is not fully functional. The assistance is integrated with Setup Wizard of the electronic device. The user will be able to request for voice and/or video assistance and a remote assistant will be able to provide assistance by performing gestures remotely on the electronic device. With minimal interaction, user gets interactive menu to traverse the IVR option. The electronic device understands the context of use, and bypasses successive IVR options on behalf of the user, thereby reducing time and efforts required to reach the respective support representative. Thus, the invention caters to users who are not only digitally novice but need assistance to have basic know-how in using particular electronic device, set-up accounts, customize their device to suit their needs, fully understand their device USP"s and guidance for any troubleshooting.

No. of Pages : 25 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(21) Application No.2573/DEL/2015 A
(19) INDIA
(22) Date of filing of Application :20/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : SYSTEM FOR MOUNTING AUXILIARY COMPONENTS OF EVAPORATIVE EMISSION CONTROL SYSTEM

(51) International classification	:F02M 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

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(72)**Name of Inventor :**
1)HARISH ARORA
2)ABHISHEK MISHRA

(57) Abstract :
A system (250) for mounting auxiliary components of an evaporative emission control system in a two-wheeled vehicle (100) comprises a holder (202) and a mounting means (220). The holder (202) comprises one or more holding provisions (212), where each of the one or more holding provisions (212) comprises an opening for holding at least one auxiliary component of the evaporative emission control system, and a mounting provision (508), where the mounting provision (508) comprises one or more mount openings (508a, 508b). The mounting means (220) is used for detachably mounting the holder (202) to a fuel tank (105), where the mounting means (220) is disposed at the fuel tank (105) and are adapted to be engaged with one or more mount openings (508a, 508b).

No. of Pages : 23 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(21) Application No.2574/DEL/2015 A
(19) INDIA
(22) Date of filing of Application :20/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : FRONT COWL STRUCTURE OF A SADDLE-RIDING TYPE VEHICLE

(51) International classification	:B62J 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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1)NAGARJUN JAWAHAR
2)VINOTH KUMAR MANI

(57) Abstract :
In an embodiment, a front cowl structure (100) of a saddle-riding type vehicle (200) is disclosed. The front cowl structure (100) comprises a pair of front fork (108a, 108b) rotatably coupled to a head pipe (102) of the saddle-riding type vehicle (200) through a lower bridge (104) and an upper bridge (106). The front cowl structure (100) comprises a stay member (122) mounted to the upper bridge (106), where the stay member (126) is adapted to mount a console unit (120) of the saddle-riding type vehicle (200). Further, the front cowl structure (100) comprises a front cowl member (110) mounted to the lower bridge (104) and at least one of the console unit (120) and the stay member (122). The front cowl member (110) comprises one or more provisions for mounting one or more auxiliary components (114a, 114b, 112, 121).

No. of Pages : 21 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(21) Application No.2539/DEL/2015 A
(19) INDIA
(22) Date of filing of Application :17/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : RESCHEDULING DOWNLOAD OF A CONTENT IN A RADIO ACCESS NETWORK

(51) International classification :H04N
(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)ROYZADA, Gaurav

(57) Abstract :
Example implementations relate to technique for rescheduling download of a content in a radio access network. For example, a method includes receiving a request to download the content from a computing system of the radio access network and identifying the content to be a re-schedulable content based on content analysis parameters, where the content analysis parameters are indicative of at least size and type of the content. The method also includes determining service timing of the radio access network to be a congestion timings based on traffic throughput of the radio access network and prompting the computing system to reschedule the download of the content. The method further includes rescheduling the download of the content to another service timing of radio access network.

No. of Pages : 59 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(21) Application No.2588/DEL/2015 A
(19) INDIA
(22) Date of filing of Application :20/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : BALLASTLESS TRACK WITH INDIGENOUS FASTENING SYSTEM (BLT-IFS)

(51) International classification	:E01B 1/00
(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)Sh Vipul Kumar
3)Sh Pranav Kumar
4)Sh Ritu Raj
5)Sh S K Awasthi

(57) Abstract :
The design of Ballastless Track with Indigenous Fastening System (BLT-IFS) for running of trains with maximum axle load of 25T with speed upto 110 kmph with components has unique and innovative features for washable apron on platform lines & non platform lines at stations, in tunnels, on bridges & viaduct for use in Indian Railways.

No. of Pages : 12 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201617034968 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : BI DIRECTIONAL DC DC CONVERTER

(51) International classification :H02J9/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2014/031994
Filing Date :27/03/2014
(87) International Publication No :WO 2015/147828
(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)LIPARE Mahendrakumar H.
3)GHOSH Rajesh
4)KLIKIC Damir

(57) Abstract :
According to at least one aspect embodiments herein provide a UPS comprising an input to receive input power an interface to receive DC battery power a bi directional converter coupled to the interface and configured to provide DC charging power derived from the input power to the battery in a first mode of operation and to convert the DC battery power into backup DC power in a second mode of operation an output to provide output power to a load derived from at least one of the input power and the backup DC power and a controller coupled to the bi directional converter and configured to operate the bi directional converter at a first frequency in the first mode of operation to generate the DC charging power and to operate the bi directional converter at a second frequency in the second mode of operation to generate the backup DC power.

No. of Pages : 23 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201617034969 A
(19) INDIA
(22) Date of filing of Application :13/10/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : SELVEDGE FORMING DEVICE FOR A WEFT THREAD

(51) International classification :D03D47/48
(31) Priority Document No :2014/0451
(32) Priority Date :13/06/2014
(33) Name of priority country :Belgium
(86) International Application No :PCT/EP2015/061737
Filing Date :27/05/2015
(87) International Publication No :WO 2015/189033
(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)HOORELBEKE Wim
3)COULEMBIER Ronny

(57) Abstract :
Weaving machine device and method for tucking a thread end (11 12 24 25) of a weft thread (10) into a subsequent shed (15) which thread end (11 12 24 25) extends outside a shed (15) wherein thread ends (11 12 24 25) are tucked into a subsequent shed (15) by means of a tucking device (13 14 28 29) wherein a thread end (11 12 24 25) is selectively moved by means of a moveable arm (9 19) and wherein the thread end (11 12 24 25) moved by the moveable arm (9 19) beyond the separator element (8 18) is separated by the separator element (8 18) from the working area of the tucking device (13 14 28 29).

No. of Pages : 11 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(21) Application No.2577/DEL/2015 A
(19) INDIA
(22) Date of filing of Application :20/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : FOOTPEG ASSEMBLY

(51) International classification	:B62J 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

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1)DHANESH B CHANDRAN

(57) Abstract :
A footpeg assembly (100) in a two-wheeled vehicle comprises a left footpeg assembly (100L) and a right footpeg assembly (100R). Each of the left and right footpeg assembly (100L), (100R) comprises bracket (103; 104) and footpeg (102). The bracket (103; 104) is attached to a vehicle side body frame being a left or right side body frame (107), (106). The footpeg (102) is adapted to be swingably coupled to the bracket (103; 104). The footpeg (102) comprises footpeg mount portion (204) and step portion (202). Footpeg mount portion (204) is adapted to be turnably mounted to bracket (103;104) along any of a first or a second axis of rotation. The first and second axes of rotation have angular relationship. Step portion (202) extends outwardly from footpeg mount portion (204) and comprises a foot placing surface (202a) at about a predetermined angle with each of first and second axes of rotation.

No. of Pages : 21 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(21) Application No.2578/DEL/2015 A
(19) INDIA
(22) Date of filing of Application :20/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : REAR STRUCTURE MOUNTING SYSTEM

(51) International classification	:B62J 15/00
(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)KALYAN MANOHAR BHAVARAJU
2)ASHISH KUMAR
3)ATUL AGARAWAL

(57) Abstract :
A rear structure mounting system in two-wheeled vehicle (200) comprises left side cover (306a), right side cover (306b), tail light assembly (502) connected to covers (306a, 306b), upper stay member (317) and lower stay member (318). Assembly (502) comprises upper stay mounting provisions (317a, 317b) and lower stay mounting provisions (318a, 318b). Stay member (317) comprises tail light mounting provisions (317c, 317d) adapted to be fastened to provisions (317a, 317b) for mounting stay member (317) to assembly (502), and frame mounting provisions (317e, 317f) for mounting stay member (317) to body frame (100) of vehicle (200). Stay member (318) comprises lower mounting provisions (318c, 318d) to be fastened to lower stay mounting provisions (318a, 318b) for mounting stay member (318) to assembly (502), and supporting provisions (319a, 319b) to be supported on bar (123c) mounted to rear side portions of rear seat sub-frames (114a, 114b) of frame (100).

No. of Pages : 33 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/08/2015
(21) Application No.2579/DEL/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD AND SYSTEM FOR MANAGING APPLICATION DATA USAGE

(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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3)AVASTHI, Prakhar
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6)DAS, Aleena
7)KHAN, Munwar
8)MAGARKAR, Sanket
9)SHEKHAR, Shashank

(57) Abstract :
The present invention relates to methods and systems for managing data usage by an electronic device (200). Accordingly, a user-interface on the electronic device (200) depicts a single-input data saving mode. A selection of the single-input data saving mode is received on the user-interface from a user, the selection enabling the single-input data saving mode. In response, a first set of applications is identified from a plurality of applications available in the electronic device (200) based on a predefined list. Based on the identification, a complete data usage for the first set of applications is allowed while a data usage for a second set of applications from the plurality of applications is restricted. Figure 1a

No. of Pages : 42 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201614023081 A
(19) INDIA
(22) Date of filing of Application :05/07/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : EXTERIOR CLEANING MACHINE IN WIND TURBINE-TOWERS

(51) International classification :B08B3/02
(31) Priority Document No :201500609
(32) Priority Date :17/08/2015
(33) Name of priority country :Spain
(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)MONDEJAR RUIZ-ROMANO, Jose Maria
2)DOLERA SIMARRO, JoseRamon

(57) Abstract :
Exterior cleaning machine in wind turbine-towers, which is coupled to lifting means (7) in a parallel direction in relation to the outer surface of a mast (1) of a wind turbine, and wherein said machine comprises at least one flexible roller (2a, 2b) configured to come in contact with part of the surface of a mast (1) of a wind turbine, a plurality of magnets (3) facing part of the outer surface of the mast (1) and configured to attract the machine with regard to said mast (1) via magnetic phenomena; at least one tank (4a, 4b) configured to receive a cleaning product; a plurality of rolling means (5) between the structure and said mast (1); and remote control means (6) of the lifting motion of said machine associated with lifting means (7).

No. of Pages : 22 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(21) Application No.2544/DEL/2015 A
(19) INDIA
(22) Date of filing of Application :18/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : ANANT URJA UTPADAN

(51) International classification	:F03B 13/00	(71)**Name of Applicant :**
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(32) Priority Date	:NA	Address of Applicant :C-145, GANGA NAGAR, MEERUT, U.P-250001 Uttar Pradesh India
(33) Name of priority country	:NA	(72)**Name of Inventor :**
(86) International Application No	:NA	**1)MADAN SINGH TYAGI**
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 :
By destabilizing the potential energy of a liquid we can transform the energy to dynamic energy, to maintain consistency and uniformity of the process we have to maintain availability of the liquid in abundance. In nature only water is available in immediate and unlimited quantity, in my process the dam and water flowing directions have been converted non-traditionally, from which the resultant enormous energy is collected by dividing it into parts. Energy is derived by rotating polymer turbine by the pressure resulting from the weight ratio of water due to the vertical dam and rising speed of the water.

No. of Pages : 20 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/08/2015
(21) Application No.2546/DEL/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD AND SYSTEM FOR BOOKMARKING

(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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1)JAIN, Arihant
2)GUPTA, Himanshu

(57) Abstract :
The present invention describes method and systems for bookmarking. The method (100) includes detecting (102) a plurality of webpage elements on a webpage wherein the plurality of web elements have same Uniform Resource Locator (URL). The method further includes determining (104) default display index value associated with each of the plurality of webpage elements having same URL and updating (106) the default display index value associated with at least one of the plurality of webpage elements in response to a bookmark event to obtain updated display index value and storing the same. The method further includes bookmarking (108) the webpage with updated display index value.

No. of Pages : 44 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/08/2016

(21) Application No.201624027034 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : SWITCH DEVICE

(51) International classification	:H01H13/20, H01H13/18
(31) Priority Document No	:2015-161009
(32) Priority Date	:18/08/2015
(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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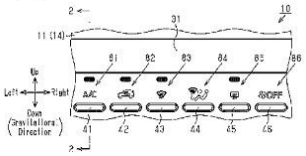
(72)**Name of Inventor :**
1)HATADA, Yosuke

(57) Abstract :
A switch device is provided with a panel including a socket, a switch button located at the rear side of the panel, a substrate located at the rear side of the switch button, a mark located in the panel to indicate the function of the switch button when light passes through the mark, anda light source that illuminates the socket and the mark from the rear side of the switch button. The switch button includesa front protrusion that projects from the socket and a cover that is continuous with thefront protrusion and integrally covers the rear surface of the panel from the socket to the mark. At least the cover of the switch button is formed from at least one of a light-transmissive resin and a light-diffusive resin.

Fig.1



No. of Pages : 18 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201624027495 A
(19) INDIA
(22) Date of filing of Application :11/08/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : SPINNING MACHINE WITH A PLURALITY OF DRAFTING SYSTEMS ARRANGED NEXT TO ONE ANOTHER

(51) International classification	:D01H5/80, D01H5/56, D01H5/74	(71)**Name of Applicant :** **1)SAURER GERMANY GMBH & CO. KG** Address of Applicant :LEVERKUSER STRASSE 65, 42897 REMSCHEID, GERMANY Germany
(31) Priority Document No	:10 2015 010 854.9	(72)**Name of Inventor :** **1)Staehle, Gerhard**
(32) Priority Date	:19/08/2015	
(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	

(57) Abstract :
The invention relates to a spinning machine (1), in particular a ring spinning machine, with a plurality drafting systems (2) arranged next to one another for drafting a sliver. According to the invention the input roller train (7, 7â€˜) comprises a continuous shaft (22, 22â€˜) between a first and second driving point (41, 42) and the middle roller train (8, 8â€˜) comprises at least three divided shaft sections (23, 23â€˜, 24, 24â€˜, 25, 25â€˜) between the first and second driving point (41, 42), wherein a shaft section (24, 24â€˜), which is not connected to the first and second driving point (41, 42), is connected to an additional driving point (43).

No. of Pages : 13 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/08/2016
(21) Application No.201624027933 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : LOAD HOOK SUBSTRUCTURE

(51) International classification	:D21G1/02, F16C13/02, B30B3/04
(31) Priority Document No	:CH-01210/15
(32) Priority Date	:21/08/2015
(33) Name of priority country	:Switzerland
(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)Stucki Martin
2)DONNO, Cosimo

(57) Abstract :
A load hook substructure (1) is to be created for purposes of attachment onto or into the cabin structure (0) of a helicopter, comprising a housing (10) in which a shaft (12) with hook attachment means (121) is mounted, such that a load hook (2) can be connected with the shaft (12) and thereby with the load hook substructure (1); this improves the flying characteristics of the helicopter in the case of flights with a load carried underneath. This is achieved in that the shaft (12) passes through the interior of the housing (10) in the longitudinal direction between a housing end wall (100) and a housing wall (102), such that it can move linearly, and a return spring device (11) is arranged between a damping plate (120) arranged on the shaft (12) and the housing end wall (100), and a damping device (30) is arranged between the damping plate (120) and the lower housing wall (102), wherein the damping device (13) comprises at least one flexibly compressible damping element (130), which develops a damping action in the event of a linear movement of the shaft (12).

No. of Pages : 26 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201624027943 A
(19) INDIA
(22) Date of filing of Application :17/08/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : SECONDARY BATTERY

(51) International classification	:H01M 2/00
(31) Priority Document No	:10-2015-0116844
(32) Priority Date	:19/08/2015
(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)Honghyeon Lee

(57) Abstract :
A secondary battery includes: an electrode assembly; a cap plate; a first terminal plate electrically connected to the electrode assembly, the first terminal plate being on the cap plate; and a current limiting plate between the first terminal plate and the cap plate, the current limiting plate including: a first surface accommodated in a first accommodation portion of the terminal plate, a second surface accommodated in a second accommodation portion of the cap plate, and a third surface extending between the first and second surfaces, wherein a first portion of the third surface is accommodated in the first accommodation portion, and a second portion of the third surface is accommodated in the second accommodation portion.

No. of Pages : 45 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201727003658 A
(19) INDIA
(22) Date of filing of Application :01/02/2017
(43) Publication Date : 24/02/2017

(54) Title of the invention : CAPACITOR FROM SECOND LEVEL MIDDLE OF LINE LAYER IN COMBINATION WITH DECOUPLING CAPACITORS

(51) International classification :H01L27/08,H01L23/522
(31) Priority Document No :14/483110
(32) Priority Date :10/09/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/040894
Filing Date :17/07/2015
(87) International Publication No :WO 2016/039850
(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)SONG Stanley Seungchul
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4)WANG Zhongze
5)XU Jeffrey Junhao

(57) Abstract :
A device capacitor structure within middle of line (MOL) layers includes a first MOL interconnect layer. The first MOL interconnect layer may include active contacts between a set of dummy gate contacts on an active surface of a semiconductor substrate. The device capacitor structure also includes a second MOL interconnect layer. The second MOL interconnect layer may include a set of stacked contacts directly on exposed ones of the active contacts. The second MOL interconnect layer may also include a set of fly over contacts on portions of an etch stop layer on some of the active contacts. The fly over contacts and the stacked contacts may provide terminals of a set of device capacitors.

No. of Pages : 17 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/02/2017
(21) Application No.201727003698 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : DETERMINING A BUDGET FOR LPD/FD TRANSITION FRAME ENCODING

(51) International classification	:G10L19/002,G10L19/24,G10L19/12
(31) Priority Document No	:1457353
(32) Priority Date	:29/07/2014
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2015/052073
Filing Date	:27/07/2015
(87) International Publication No	:WO 2016/016566
(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)FAURE Julien

(57) Abstract :
The invention relates to a method for determining distribution of bits for coding a transition frame. Said method is implemented in an encoder/decoder for encoding/decoding a digital signal. The transition frame is preceded by a preceding frame encoded via prediction. The encoding of the transition frame includes transform coding and predictive coding of a single sub frame of the transition frame. The method comprises the following steps: assigning (402 405) a bit rate for predictive coding of the transition sub frame said bit rate being equal at least between the bit rate for transform coding of the transition frame and a first predetermined bit rate value; determining (404 408) a first number of bits allocated for predictive coding of the transition sub frame for said bit rate; and calculating (410) a second number of bits allocated for transform coding of the transition frame on the basis of the first number of bits and a number of bits available for encoding the transition frame.

No. of Pages : 26 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/02/2017
(21) Application No.201727003754 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : PRODUCTION OF AN INSTANT COFFEE PRODUCT IN HIGH YIELD

(51) International classification :A23F5/24
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/DK2014/050212
Filing Date :08/07/2014
(87) International Publication No :WO 2016/004949
(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)SÃ˜RENSEN Jakob Kryger
3)HARALDSTED Henrik

(57) Abstract :
Disclosed herein is a process for production of an instant coffee product in a high yield comprising the steps of extracting roast and ground coffee beans with water having a temperature of 80Â°C or less to produce a first extract and spent coffee grounds adding water to the spent coffee grounds to produce an aqueous suspension hydrolysing the aqueous suspension using a hydrolysing enzyme to produce a second extract and spent remains adding the first extract to the second extract optionally after concentration and/or drying of the second extract to obtain a combined extract and drying the combined extract to obtain an instant coffee product. The high yield is obtained due to the reduction of enzyme inhibiting substances.

No. of Pages : 23 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/02/2017
(21) Application No.201727003763 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : IN LINE DIGITAL PRINTING SYSTEM FOR TEXTILE MATERIALS

(51) International classification :D06P1/52,B41J3/407,B41M5/50
(31) Priority Document No :14/341516
(32) Priority Date :25/07/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IL2015/050758
Filing Date :23/07/2015
(87) International Publication No :WO 2016/013016
(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 :
Compositions for and methods of digitally printing an ink image onto a woven textile material are provided. A base application is applied to the surface of a woven textile material especially one comprising synthetic resin fibers prior to application of an ink image layer. The base application comprises an acrylic latex material that is formulated to be printed on with a digital ink while still wet thereby eliminating the need for an intermediate drying cycle in between base application deposit and printing of the ink image.

No. of Pages : 22 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201727003767 A
(19) INDIA
(22) Date of filing of Application :01/02/2017
(43) Publication Date : 24/02/2017

(54) Title of the invention : RUBBER COATING DEVICE FOR STEEL WIRE

(51) International classification :B29C47/02,B29D30/48
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2014/070466
Filing Date :04/08/2014
(87) International Publication No :WO 2016/020967
(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 :
A rubber coating device (30) for a steel wire (100) is provided with: a heating device (50) for heating water to a specified temperature range; heat transfer rollers (40A 40B) which contact the steel wire (100) and inside which a water passage (44) is formed; and an extruder (60) for coating rubber on the steel wire (100) that is heated by the heat transfer rollers (40A 40B).

No. of Pages : 12 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201727003890 A
(19) INDIA
(22) Date of filing of Application :02/02/2017
(43) Publication Date : 24/02/2017

(54) Title of the invention : CHARGING DEVICE FOR ELECTRIC MOVING BODY

(51) International classification :H02J7/02,B60L11/18,H02J7/00
(31) Priority Document No :2014202994
(32) Priority Date :01/10/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/077557
Filing Date :29/09/2015
(87) International Publication No :WO 2016/052524
(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)NAKANO Yasuhiro

(57) Abstract :
Provided is a charging device for an electric moving body which is compatible with multiple charging schemes having different settings for voltage current and the like and which requires a smaller installation space than before. The vehicle charging device (10) is provided with: a CHAdeMO control unit (13) and a combined charging control unit (14) for performing battery charging control on the basis of the CHAdeMO scheme and the combined charging scheme; power conversion systems (PCS 15 16) which are connected in parallel and convert alternating current power into direct current power; power feeding connectors (18 19) which connect to a power receiving connector disposed in the vehicle; and a switching unit (17) for setting a connection between the output of the PCSs (15 16) and the power feeding connectors (18 19). The switching unit (17) performs settings such that when one vehicle is to be charged the PCSs (15 16) are connected to the battery of this vehicle or when two vehicles are to be charged the PCSs (15 16) are respectively connected to the batteries of these vehicles.

No. of Pages : 13 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/02/2017

(21) Application No.201727003892 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : SYNCHRONIZATION CHANNEL SCH TRANSMITTING METHOD AND RELEVANT DEVICE

(51) International classification :H04B1/7183
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2014/083448
Filing Date :31/07/2014
(87) International Publication No :WO 2016/015297
(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)XIAO Jiehua
3)DING Rentian

(57) Abstract :
A synchronization channel SCH transmitting method and relevant device are disclosed in the embodiments of the present invention and the method may include: configuring at least two SCH resources in a first common control channel and an extended control channel during the synchronization transmission period wherein the synchronization transmission period includes 10 or 11 time division multiple access TDMA frames each TDMA frame includes 8 time slots from No.0 to No.7 the first common control channel is in the No.0 time slot and the extended control channel does not include the No.0 time slot and each SCH resource is a time slot of a TDMA frame; transmitting at least two pieces of SCH information on the at least two configured SCH resources and one piece of SCH information is transmitted on each SCH resource and the at least two pieces of SCH information have the same frame number information. With the present invention high coverage enhancement requirement can be satisfied by the repeated transmission of SCH information.

No. of Pages : 62 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201727003904 A
(19) INDIA
(22) Date of filing of Application :02/02/2017
(43) Publication Date : 24/02/2017

(54) Title of the invention : CHANNEL STATE INFORMATION COLLECTION FOR WIRELESS COMMUNICATION SYSTEM WITH BEAMFORMING

(51) International classification :H04W16/28,H04W24/10
(31) Priority Document No :62/050840
(32) Priority Date :16/09/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CN2015/089706
Filing Date :16/09/2015
(87) International Publication No :WO 2016/041492
(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)YU Chia Hao
2)CHANG Ming Po
3)CHEN Ju Ya
4)GUEY Jiann Ching

(57) Abstract :
A method of providing channel station information in a beamforming system is proposed. Reference Signal (RS) is used for channel state estimation. For fine resolution dedicated beam with smaller spatial coverage additional channel monitoring of coarse resolution beams for beam fallback is applied. The joint coverage of monitored fallback beams covers a desired service area. For beam administration fallback beams need to be evaluated and the most preferable beam is selected for use in case the currently used dedicated beam is no longer suitable. For link adaptation at least the channel state of the selected fallback beam is evaluated and provided to a scheduler (e.g. a BS) for adapting the transmission of the selected fallback beam.

No. of Pages : 17 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(21) Application No.3113/MUM/2015 A
(19) INDIA
(22) Date of filing of Application :17/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : SYSTEM FOR HIGHWAY ACCIDENT REDUCTION

(51) International classification	:E01F 9/00
(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. RAMA PRASAD REDDY

(57) Abstract :
The present invention discloses a system for highway accident reduction comprising a plurality of white strips, a set of honk signs, a plurality of rumble strips, a plurality of blue safe zone markings, a plurality of footmarks, a fencing across the median, a zebra crossing near the fencing, a gateway, a plurality of repetitive merge signage, a plurality of raised road markings, a plurality of arrows, a wide angle mirror, an approach road speed breaker, a solar blinker, a bus shelter with meshed sides and a plurality of interactive images at regular distances on the highways. The plurality of merge signage is provided near merge point of a main carriageway and a service road. The system is placed at suitable interventions on the highway for alerting a drive and a pedestrian during their movement on the highway.

No. of Pages : 51 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(21) Application No.3203/MUM/2015 A
(19) INDIA
(22) Date of filing of Application :21/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : A CONDUIT WITH CONNECTOR

(51) International classification :A01G25/02
(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)Gaurav Sahoonja

(57) Abstract :
PLEASE SEE THE ATTACHED SPECIFICATION.

No. of Pages : 21 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/08/2015

(21) Application No.3186/MUM/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHODS AND SYSTEMS FOR PLANNING EVACUATION PATHS

(51) International classification	:A62B 1/00
(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)PAL, Arindam
2)MISHRA, Gopinath
3)MAZUMDAR, Subhra

(57) Abstract :
Methods and systems for planning evacuation paths are provided to identify an optimum path for evacuation of every evacuee from a region of interest. Methods of the instant disclosure ensure that for each suggested evacuation path, the capacity of any edge on the path is not exceeded and the evacuation time is minimum. A path once identified is maintained. A randomized behavior model is employed to re-distribute evacuees in emergency situations. This provides optimum evacuation time that employs an improved technique with optimized run time and evacuation time after taking into consideration herd behavior.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.3188/MUM/2015 A
(19) INDIA
(22) Date of filing of Application :20/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : SYSTEM AND METHOD FOR DETERMINING AN OPTIMAL LOAD LEAD TIME FOR BUILDINGS

(51) International classification	:E04B 1/00
(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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1)IYER, Shiva R
2)VASAN, Arunchandar
3)SARANGAN, Venkatesh
4)SIVASUBRAMANIAM, Anand

(57) Abstract :
Disclosed is a method and system determining an optimal load lead time for buildings. The system captures an ambient temperature and a load lead time associated with each of a plurality of buildings for a period of time. Further, the ambient temperature and load lead time of a target building is compared with ambient temperature and load lead time of each of the plurality of buildings. A building with higher ambient temperature and a lower load lead time as compared to the target building is identified to represent optimal load lead time. Later, load shifting is applied for the target building based upon the optimal load lead time which facilitates in energy optimization of the target building.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.3189/MUM/2015 A
(19) INDIA
(22) Date of filing of Application :20/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : SELF-WATERING PLANTER ASSEMBLY

(51) International classification	:A01G 27/00
(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)Mithun Sathish
2)C.H. Prakash
3)Varsha Mithun

(57) Abstract :
An embodiment mentioned herein provides a self-watering planter assembly 10. The assembly includes a planter pot 20 having sides 30 and a base 31, where the sides and the base are connected to each other such that to accommodate topsoil 28, a divider disc 22, located inside the planter pot 20 to create a reservoir 26, where the divider disc separates the reservoir 26 and the topsoil 28 and a watering pipe assembly 24, where the watering pipe assembly 24 is an integrated assembly which includes a water level indicator 34 to indicate water level of the reservoir 26, a funnel 38 to facilitate liquid supply to the reservoir 26 and a lid 36 to cover the funnel 38 top entry, wherein the watering pipe assembly 24 is detachably coupled to the divider disc 22 to form the self-watering planter assembly 10. FIG 1

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201624022820 A
(19) INDIA
(22) Date of filing of Application :02/07/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD FOR JOINING AN UPPER AND LOWER THREAD AT A WINDING STATION OF A WINDING MACHINE AND WINDING STATION OF A WINDING MACHINE

(51) International classification	:D01H1/38, D01H15/00, B65H67/08
(31) Priority Document No	:102015010844.1
(32) Priority Date	:19/08/2015
(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)Perseke, Joerg

(57) Abstract :
The invention relates to a method for joining an upper thread 52 joined to a take-up bobbin 15 and a lower thread 55 joined to a take-off bobbin 9 at a winding station 2 of a winding machine 1, and a winding station 2 for performing the method. According to the invention the first suction nozzle 12 has a rear guiding contour 45 for guiding the lower thread 55 taken up by the second suction nozzle 25 and held ready in front of the thread joining device 10 and a control device 29 is designed to control the second suction nozzle 25 so that the latter is pivoted after capturing and taking up the lower thread 55 with the taken up lower thread 55 into a position in front of the thread joining device 10 and to control the first suction nozzle 12 so that the latter after capturing and taking up the upper thread 52 is pivoted with the taken up upper thread 52 in the direction of an end position 48 for placing the upper thread 52 into the thread joining device 10, wherein a rear guiding contour 45 of the first suction nozzle 12 moves the lower thread 55 in the direction of the thread joining device 10 forming a thread loop, until the upper thread 52 can be captured by a thread guiding element for placing into the thread joining device 10, then to control both suction nozzles 12, 25 so that the latter pivot back into their starting positions, wherein the first suction nozzle 12 releases the lower thread 55 in a controlled manner at the latest on the start-up of the winding drive and in this way the formed thread loop is opened.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/02/2016
(21) Application No.201624003825 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : LOUDSPEAKER

(51) International classification :H04R9/02
(31) Priority Document No :10-2015-0116105
(32) Priority Date :18/08/2015
(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)LEE, Gyeong-tae
2)KIM, Jong-bae

(57) Abstract :
A loudspeaker includes an enclosure including a resonance chamber and an acoustic emission aperture for communication of the resonance chamber with the outside, and a plurality of speaker units including a first speaker unit arranged in a first direction and a second speaker unit arranged in a second direction, and the plurality of speakers being accommodated in the enclosure in a non-coaxial arrangement. Front slit spaces of the plurality of speaker units are in communication with the resonance chamber.

No. of Pages : 52 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(21) Application No.3122/MUM/2015 A
(19) INDIA
(22) Date of filing of Application :17/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : ANTIMONY - FREE TEXTURED SOLAR GLASS

(51) International classification :H01L31/00,C03B13/08
(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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1)V. Ramaswami
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(57) Abstract :

No. of Pages : 11 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/07/2015
(21) Application No.2846/MUM/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : COMPONENT OF EX-VIVO TEST APPARATUS

(51) International classification	:A61B 5/00
(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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3)KOSHTI KAJOL KAMLESH BHAI
4)PATEL BRIJAL SHAILESHKUMAR
5)PRAJAPATI KINNARI DASHARATHBHAI
6)PANDYA HARDIK PRAFULKUMAR
(72)**Name of Inventor :**
1)THAKAR RAVIKUMAR RAJESHKUMAR

(57) Abstract :
Title: Component of Ex-vivo Test Apparatus Component of Ex-vivo Test Apparatus is a modification of conventional organ tube which is utilized in ex-vivo study of drug. New organ tube includes separate inlet and outlet mean, aeration mean and tissue holding mean.

No. of Pages : 9 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/08/2015

(21) Application No.3150/MUM/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD AND SYSTEM FOR LOOK UP TABLE (LUT) BASED CIRCUIT SIMULATION

(51) International classification	:G06F 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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5)Krishnan S Rengarajan
6)Subramanian Sriktanteswara Iyer
7)Eswararao Potladhurthi

(57) Abstract :
A method and a circuit modeling device for a Look Up Table (LUT) based modeling of a circuit is provided. The method includes identifying an equivalent sub circuit of the circuit. The equivalent sub circuit includes a plurality of non-linear elements and a plurality of non-linear sources interconnecting a plurality of external nodes of the circuit. Further, the method includes representing the equivalent circuit using circuit equations. The circuit equations provide non-linear behavior of the plurality of non-linear sources as a function of terminal voltages at the plurality of external nodes. Furthermore, the method includes determining large signal parameters, and values of the plurality of non-linear elements to generate a circuit level LUT model for the circuit. FIG. 2

No. of Pages : 64 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/08/2015

(21) Application No.3154/MUM/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD AND SYSTEM FOR PROCESS AUTOMATION IN COMPUTING

(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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1)SHARMA, Sujata
2)DIXIT, Sejal Deepak
3)PATEL, Vandana
4)KAMALI, Zuber
5)AGRAWAL, Paridhi

(57) Abstract :
The embodiments herein disclose a method and system for process automation in computing by implementing a Robotic Process Automation software arm component used for automation of tasks that involves transactional activities like reading from a document ,application ,writing into a system or application and so on . The process automation allows workflow generation for automation of business user activities on numerous operating systems and works with multiple platforms, environments and applications. Further, a process automation system also supports handling of runtime environment exceptions and audit log. A separate interface is not required by user for (easy) maintenance, as the interface supports admin configuration and run mode access. Internal/embedded documentation of process and unit level control on automation is supported while also supporting automating keyboard activities, mouse operations, wait/smart wait time feature, visual interaction and so on.

No. of Pages : 34 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/01/2017
(21) Application No.201727001584 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : IDENTIFICATION OF CANCER STEM CELL MARKERS AND USE OF SAME FOR DIAGNOSIS AND TREATMENT

(51) International classification	:G01N33/50,C12Q1/68,G01N33/574
(31) Priority Document No	:62/016773
(32) Priority Date	:25/06/2014
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IL2015/050663
Filing Date	:25/06/2015
(87) International Publication No	:WO 2015/198334
(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)HARARI STEINBERG Orit

(57) Abstract :
A method of identifying cancer stem cell markers in a human primary tumor is disclosed. The method comprises: (a) in vivo passaging the primary tumor; and (b) comparing a level of at least one antigen in a first population of passaged tumor cells of the primary tumor with a second population of tumor cells of the primary tumor wherein an increase in the amount of the antigen in the first population of tumor cells as compared to the amount of the antigen in the second population of tumor cells is indicative of a cancer stem cell marker in the human primary tumor.

No. of Pages : 65 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION
(21) Application No.3156/MUM/2015 A
(19) INDIA
(22) Date of filing of Application :19/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD AND SYSTEM FOR COMPRESSING A VIDEO USING BACKGROUND SUBTRACTION AND CHANGE DETECTION IN VIDEOS

(51) International classification	:H03M 13/00
(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)NARASIMHARAO, Narendra
2)CHANDRA, Girish M

(57) Abstract :
A method and system is provided for the compression of a video captured from a static camera. A background image and an original image is captured from the static camera. A foreground object is extracted by taking the difference between the transformed original image and the transformed background image. The foreground object is represented as a sparse vector using wavelets. The method revolves around the compressive sensing framework by ingeniously using the complex field BCH codes and the syndrome as measurements to achieve robust background subtraction using reduced number of measurements. The reconstruction is carried out by a Complex-field BCH decoder coupled with block based implementation. According to another embodiment, an adaptive techniques has also been proposed for acquiring the measurements required for recovering the images.

No. of Pages : 23 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/12/2016
(21) Application No.201627042244 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : CANCER STEM CELL PROLIFERATION INHIBITOR

(51) International classification :A61K45/00,A61K31/192,A61K31/196
(31) Priority Document No :2014105543
(32) Priority Date :21/05/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/064523
Filing Date :20/05/2015
(87) International Publication No :WO 2015/178426
(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 Ying Ying
3)TAKADA Hitomi
4)EKIMOTO Hisao

(57) Abstract :
The present invention addresses the problem of providing a proliferation inhibitor which can act on a cancer stem cell exhibiting resistance to existing anti cancer agent therapy methods through the inhibition of proliferation of the cell or the apoptosis of the cell. A cancer stem cell proliferation inhibitor which contains a retinoid agonist preferably tamibarotene as a sole active ingredient or both the retinoid agonist and a rexinoid agonist preferably bexarotene as active ingredients and which can enhance the effects of various anti cancer agents when used in combination with each of the anti cancer agents.

No. of Pages : 19 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/08/2015
(21) Application No.3104/MUM/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : A PROCESS FOR PREPARATION OF BIODEGRADABLE BIOCOMPOSTABLE BIODIGESTIBLE PEPLENE PLOYMER

(51) International classification :C08L3/00,C08B33/02,C08L3/16
(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)Narinder Bharj
(72)**Name of Inventor :**
1)Srinivasan Iyer, Ammanamanchi Radhakrishna
2)Narinder Bharj

(57) Abstract :
This invention relates to a process for preparation of biodegradable biocompostable biodigestible PEPlene polymer comprising steps of: - mixing atleast one peptide with atleast one protein and enzyme, - adding a composting agent, - blending with atleast one polymer in presence of additive to obtain said PKPlcne polymer material.

No. of Pages : 18 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/08/2015
(21) Application No.3141/MUM/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : AUTOMOBILE EVAPORATIVE TEMPERATURE CONTROL MECHANISM

(51) International classification :B60R
(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)TINAIKAR AASHAY RAMESH

(57) Abstract :
The invention relates to the field of temperature control for vehicles and automobiles.The invention makes use of evaporation phenomenon to reduce/maintain the interior temperature of the car under comfortable limit. This invention thus reduces the heat transfer from the surroundings and also assists in quick heat dissipation from the car/automobile surface.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.3142/MUM/2015 A
(19) INDIA
(22) Date of filing of Application :19/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : A RECEPTACLE BEING FIXED IN A DOOR FRAME FOR DOOR LOCKS

(51) International classification	:E05B 65/00
(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)JASINTH MANAYATH VADAKKAYIL

(57) Abstract :
Disclosed is a receptacle being fixed in a door frame for door locks, the receptacle comprising: a first portion (a) being fixed on the door frame using fastening means, the first portion (a) comprises a plurality of holes (5, 5", 5") adapted for receiving fastening means, the first portion (a) further comprises a plurality of cutouts (1", 2", 3") for receiving locking bolts (6, 6", 6"); a second portion (b) being connected to the first portion (a) and positioned perpendicular to the first portion (a), the second portion (b) comprises plurality of openings (4,4"); a third portion (c) being connected to the second portion (b) and positioned perpendicular to the second portion (b) and parallel to the first portion (a), the third portion (c) comprises a plurality of cutouts (1, 2, 3) for receiving the locking bolts (6, 6", 6"), the cutouts (1, 2, 3) of third portion are concentric to the cutouts (V, 2", 3") of first portion; and a fourth portion (d) being connected to the first portion (a) and third portion (c) and fitted on the door frame, the fourth portion (d) positioned parallel to the second portion (b) and perpendicular to third portion (c), the fourth portion (d) is positioned perpendicular to the first portion (a) and connected at middle to the first portion, the fourth portion (d) comprises a plurality of holes (7,7") adapted for receiving fastening means, the holes (7, 7") of the fourth portion are concentric with the openings (4, 4") of the second portion.

No. of Pages : 14 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/08/2015

(21) Application No.3125/MUM/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : ONE FIN ONE MEMRISTOR (1F1M): FAST ACCESSING NON-VOLATILE, HIGH PERFORMANCE-HIGH DENSITY, OPTIMIZED ARRAY

(51) International classification	:G11C 13/00
(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)Shyam Akashe
(72)**Name of Inventor :**
1)Atibhi Jadon
2)Shyam Akashe

(57) Abstract :
Memristor is a new nanoscale non-volatile memory technology among the Emerging Non-Volatile Memory technologies, which replaces Flash Memories, DRAM and SRAM. It has the capacity to hold the state for a long time after the current has been switched OFF. Due to its capacity to memorize past charges, an intuitive utilization for it is to be used in memory design. This Memristor technology can be one of the feasible alternatives to the current CMOS-based memory technology. CMOS-based memory faces many challenges in pursuit to meet the increasing demand for faster, smaller and less energy consuming memory. Combining Memristor technology with CMOS technology opens the doors for a hybrid memory circuit that utilizes the unique specifications of the Memristor to improve the memory design.

No. of Pages : 21 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/08/2015
(21) Application No.3126/MUM/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : DEVICE AND METHOD FOR HARNESSING SOLAR ENERGY

(51) International classification	:H01L 31/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT// /
Filing Date	:01/01/1900
(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)LAD, Kanishka Ashok
(72)**Name of Inventor :**
1)LAD, Kanishka Ashok
2)GUPTE, Urvi Mangesh

(57) Abstract :
The present disclosure relates to a device for harnessing solar energy. The device includes a driving wheel having a rotation mechanism that rotates based on clock principle using a driving unit that has speed of rotation of 360 degrees per 12 hours; and at least one of a vertical driven wheel and a horizontal driven wheel connected to the driving wheel such that the at least one of the driven wheel rotates at a speed of 180 degrees rotation in 12 hours or in number of hours equivalent to daylight hours to match speed of movement of Sunâ€™s position, wherein each of the vertical driven wheel and the horizontal driven wheel have a solar panel configured thereon. The device includes a vertical shaft that moves in semi-circular plane installed over a pre-calibrated base plate assembly marked with protractor markings and fitted with wheels adjusting to Azimuth-Altitude of Sun.

No. of Pages : 37 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.3129/MUM/2015 A
(19) INDIA
(22) Date of filing of Application :18/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : COMPLETELY BIODEGRADABLE & COMPOSTABLE ABSORBENT ARTICLES WITH NOVEL AND IMPROVED ABSORBENT COMPOSITIONS

(51) International classification :A61L15/22
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT//
Filing Date :01/01/1900
(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)MANDAL, Jaydeep
2)SINGH, Meera

(57) Abstract :
The present disclosure relates to disposable absorbent articles that are completely biodegradable and compostable. The disposable absorbent articles of the present invention comprise a top- and back-sheet made up of biodegradable and compostable thermoplastic aliphatic polyester and an absorbent core that is made of a pulp material derived from varying combinations of naturally occurring biodegradable products, including, but not limited to agriculture-waste, plant materials, and cotton knitwear waste. The absorbent core formed from unique combinations of the naturally occurring biodegradable materials can afford a most effective fluid absorption and retention property to the disposable absorbent article.

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/02/2017
(21) Application No.201727003944 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : COMPOUNDS AND METHODS FOR INHIBITING HISTONE DEMETHYLASES

(51) International classification :C07D401/04,C07D401/12,C07D413/04
(31) Priority Document No :62/042717
(32) Priority Date :27/08/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/046921
Filing Date :26/08/2015
(87) International Publication No :WO 2016/033169
(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)YANG Ying
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6)COOK Cyril John
7)VAKITI Ramkrishna Reddy
8)ZHANG Rui
9)ULLAH Farman

(57) Abstract :
118 19The present application relates to compounds being of Formula (I) (II) (III) (IV) (V) (VI) (Ilia) (Illb) (IIIc) (Hid) (Hie) (Illf) and (Illg). Compounds of Formula (I) have the structure: wherein Q R R R M A and Y are as defined herein. The compounds of the application can modulate the activity of histone demethylases (HDMEs) and can be useful for the prevention and/or treatment of diseases in which genomic dysregulation is involved in the pathogenesis e.g. cancer.

No. of Pages : 273 No. of Claims : 94

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/02/2017
(21) Application No.201727003945 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD TO OPTIMIZE LTE DATA PERFORMANCE THROUGH FAST OR QUICK SCHEDULING REQUEST APPROACH FOR SINGLE RADIO HYBRID TUNE AWAY DEVICES

(51) International classification	:H04W88/06,H04W52/02,H04W36/00
(31) Priority Document No	:PCT/CN2014/083028
(32) Priority Date	:25/07/2014
(33) Name of priority country	:China
(86) International Application No	:PCT/US2015/042100
Filing Date	:24/07/2015
(87) International Publication No	:WO 2016/015003
(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)SHAH Chintan Shirish
3)CHIMMAPUDI Neelakanta Venkata seshachalanm
4)KAIVARAM Pavan
5)GUO Jiming

(57) Abstract :
An apparatus e.g. UE tunes away from a first RAT to a second RAT during active data transfer between the UE and a network device over the first RAT. The data activity transfer relates to one of an uplink data transfer from the UE or a downlink data transfer to the UE and tuning away starts a timer that affects the data transfer activity. The UE may initiate a continuance of uplink data transfer upon tuning back to the first RAT by resetting the timer and sending a SR to the network device upon resetting of the at least one timer wherein the timer is associated with the UE. The UE may initiate a continuance of downlink data transfer upon tuning back to the first RAT by causing the network device to exit a power saving mode wherein the timer is associated with the network device and defines a cycle of the power saving mode.

No. of Pages : 28 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201727003950 A
(19) INDIA
(22) Date of filing of Application :03/02/2017
(43) Publication Date : 24/02/2017

(54) Title of the invention : INFORMATION PROCESSING DEVICE INFORMATION PROCESSING METHOD AND PROGRAM

(51) International classification	:H04N5/232,G03B15/00,G03B17/02
(31) Priority Document No	:2014164155
(32) Priority Date	:12/08/2014
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2015/066460
Filing Date	:08/06/2015
(87) International Publication No	:WO 2016/024432
(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)KASA Masanori
2)OTSUKA Yoshihiro

(57) Abstract :
[Problem] To propose an information processing device an information processing method and a program whereby even when capturing a video or a plurality of still images as a sequence of images the captured images can be transferred efficiently between devices connected via a network. [Solution] An information processing device provided with the following: an acquisition unit that on the basis of an instruction from an external device connected via a network acquires a sequence of images captured by an imaging unit in accordance with a predetermined operating mode; and a transfer control unit that transfers to the external device via the network a sequence of thumbnail images corresponding to the aforementioned sequence of images. In accordance with an instruction from the external device said external device having received the transferred sequence of thumbnail images the transfer control unit transfers at least a subset of the sequence of images to the external device via the network.

No. of Pages : 70 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/08/2015
(21) Application No.3130/MUM/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : COMBINED BRAKE SYSTEM FOR A TWO WHEELER

(51) International classification	:F16D 65/00
(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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(72)**Name of Inventor :**
1)KARAN BHARDIYA
2)SOURABH KUMAR JAIN
3)MORESH DESHPANDE
4)RAMANAMURTHY NETI

(57) Abstract :
A combined brake system for a two wheeler with a front wheel and a rear wheel comprising a pedal or a hand operated actuation system with a distributor, and multiple hoses, a disc brake on the front wheel of said two wheeler having a multi pot caliper connected to a hose from said distributor and a drum brake on the rear wheel of said two wheeler with a banjo bolt connected to a hose from said distributors.

No. of Pages : 11 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/08/2015
(21) Application No.3136/MUM/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : CIRCUIT AND METHOD TO DETECT FAILURE OF SPEED ESTIMATION/SPEED MEASUREMENT OF A MULTI-PHASE AC MOTOR

(51) International classification	:G06F 11/00
(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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(72)**Name of Inventor :**
1)Prakash Reddy
2)Ashwin Murali
3)Pinninti Arjun

(57) Abstract :
A method for detecting failure of speed measurement of a multi-phase AC motor includes (1) sensing current drawn by the motor, (2) sensing voltage magnitude supplied to the motor, (3) measuring motor speed, (4) calculating motor speed, (5) determining whether the difference between the measured motor speed and the calculated motor speed is greater than a predetermined threshold, if the difference between the measured motor speed and the calculated motor speed is not greater than a predetermined threshold, repeating (1) through (5), if the difference between the measured motor speed and the calculated motor speed is greater than a predetermined threshold, indicating a fault, if a fault is indicated, performing a predetermined number of restart attempts, if the motor is successfully restarted, repeating (1) through (5), if the motor is not successfully restarted, indicating a restart failure.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/08/2015
(21) Application No.3190/MUM/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD AND SYSTEM FOR PRODUCTION OF ENRICHED ORGANIC FERTILIZER FROM BIOGAS SLURRY SEPARATED WATER

(51) International classification :C02F1/20,C05F17/00,C02F11/04
(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)Chandan Gadgil
2)Suryakant Shinde

(57) Abstract :
Disclosed herein is a method for preparing a liquid organic fertilizer by enriching a specific consortium of soil and plant beneficial microorganisms in cattledung-based biogas slurry separated water. Further disclosed is the liquid organic fertilizer product thereof characterized in being pre-acclimatized to recipient soils intended for application of said liquid organic fertilizer. Figure to accompany the published abstract: Figure 1

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.3192/MUM/2015 A
(19) INDIA
(22) Date of filing of Application :21/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : EINZOOK COMPUTER SYSTEM

(51) International classification	:G06F 9/00
(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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1)PATIL ATUL PRABHAKAR

(57) Abstract :
The invention to perform higher order mathematical, logical, analytical and synthesizing mega-tasks is disclosed as an "EINZOOK Computer System" (Figs. 1-7). This "EINZOOK Computer System" has an "EINZOOK Computing Unit" S. This S contains several varieties of the circuitries VI, V2, V3 etc. arranged in the spherically shaped consortium. Some of these circuitries; say VI, host different segments of the Software while some of these; say V2, do the task of coordinating, communicating (intra-communications as well as intercommunications) and synthesizing among all these circuitries. Remaining circuitries; say V3, are kept in flow to accommodate the additional extension/ameliorations of the Computational Process, if during the execution of the software it is felt so, thus in all for administrating the principle of "Flexibility" during the surprising situations/outcomings. Thus, the "EINZOOK Computer System" renders the benefit of performing the mega-tasks mentioned at the initial lines by performing iterative optimisational procedures, iterative synthesis', iterative . compositions, prolonged procedures having complicated routes, sub-routes etc., with the unique beauty that the software could be made to accommodate/inculcate the ameliorations/extensions etc. at any time during the execution of the programme itself; thus giving the "Within-Time-on-Spot" answer. The outcomings of these circuitries V1, V2, V3 etc. are transferred to the sub-segments/sub-sections S1, S2, S3 of the "EINZOOK Computing Unit" S through the appropriate wirings which later radiate/illuminate these outward on the inside of the screens of the IUs A, B, C, D etc. Through these IUs A, B, C, D etc. the users interact with the inside system, analyse and synthesise, and thus achieve their mega-tasks. Cooling alternatives are provided for cooling the "EINZOOK Computing Unit" S which obviously gets heated because of the higher leveled computations etc. These cooling systems I and II, provide the economical, easier and convenient cooling without making any interference into the main computations etc. and at the same time also contribute towards the power generation, which in other words is an additional benefit of this "EINZOOK Computing System".

No. of Pages : 17 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(21) Application No.3200/MUM/2015 A
(19) INDIA
(22) Date of filing of Application :21/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : A CONNECTOR FOR CONNECTING PIPES CARRYING A REFRIGERANT

(51) International classification :F25B41/00
(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)Gaurav Sahoonja

(57) Abstract :
PLEASE SEE THE ATTACHED SPECIFICATION.

No. of Pages : 24 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(21) Application No.3202/MUM/2015 A
(19) INDIA
(22) Date of filing of Application :21/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : SYNERGISTIC INSECTICIDAL COMPOSITIONS

(51) International classification	:A01N 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

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2)GUPTA Heena
3)PANWAR Sandeep Singh
4)AMBIKE Vinayak Ramchandra

(57) Abstract :
The present disclosure relates to a synergistic insecticidal composition comprising Indoxacarb and fipronil. The composition shows synergistic insecticidal activity. The composition of the present disclosure has high bioefficacy, is cost-effective and environment friendly.

No. of Pages : 30 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(21) Application No.3221/MUM/2015 A
(19) INDIA
(22) Date of filing of Application :24/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : THERMAL FUEL DELIVERY SYSTEM WITH INSERTION ASSEMBLY

(51) International classification	:F02M 35/00
(31) Priority Document No	:14/829,326
(32) Priority Date	:18/08/2015
(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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(57) Abstract :
A thermal fuel delivery system includes an insertion assembly and a fuel device. The insertion assembly includes a housing defining a cavity for housing the fuel device. The housing is disposed above and coupled to a pair of frame members via a plurality of connecting members. The frame members extend laterally away from the housing. The insertion assembly further includes an intake manifold coupled to the housing via a tube. A plurality of runner tubes extend laterally away from the intake manifold and pass through the frame members at an inner portion of the frame members and terminate at an outer portion of the frame members.

No. of Pages : 30 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/03/2015
(21) Application No.783/MUM/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : APPARATUS AND METHOD FOR AUDIO VISUAL LEARNING ProdyoVidhi Ref.: STNF.0010.IN

(51) International classification :G09B7/00,Â G09B5/06
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT//
Filing Date :01/01/1900
(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)TANK, Haresh B.

(57) Abstract :
Prodyovidhi Ref. STNF.0010.IN ABSTRACT â€œAPPARATUS AND METHOD FOR AUDIO VISUAL LEARNINGâ€ • The present subject matter provides a computer enabled audio-visual set-up enabling audio broadcasting, audio recording, visual presentations and movies to enable learners using a single customized apparatus. The present subject matter provides a platform for training languages, communication skills, soft skills and other skills. The apparatus of present subject matter has hardware and software for managing multiple operations. Fig. 2 Prodyovidhi Ref. STNF.0010.IN

No. of Pages : 31 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/08/2016
(21) Application No.201644027425 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : INJECTION CONFIGURATION WITH IMPROVED FASTENING

(51) International classification :F02M 61/00
(31) Priority Document No :102015215618.4
(32) Priority Date :17/08/2015
(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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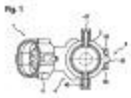
4)IIGNER, Frank
5)STIER, Hubert
6)HERR, Johann
7)BAYER, Johann
8)SCHINDLER, Ralf
9)SZABO, Tamas
10)BOZZAI, Tibor

(57) Abstract :
The present invention is with regard to an injection configuration for injection of fuel, consisting of an injector (2) and a fuel cup (3) that is located at the injector (2), and builds a fuel volume at the injector (2), whereby a latching connection (4) is provided between the injector (2) and the fuel cup (3), whereby the latching connection (4) prevents relative movement in the axial direction (X-X) of the injector (2) to the fuel cup (3), and, whereby, an anti-twist device (5) is, furthermore, provided between the injector (2) and the fuel cup (3) in order to prevent relative twisting between the injector (2) and the fuel cup (3). (Figure 1)



No. of Pages : 15 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201644027466 A
(19) INDIA
(22) Date of filing of Application :11/08/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : PROCESS FOR DESULPHURIZING A GAS MIXTURE

(51) International classification :B01D 53/00
(31) Priority Document No :102015010756.9
(32) Priority Date :18/08/2015
(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)STEPHAN, Zehrer
2)JAN-PETER, Bohn

(57) Abstract :
The invention relates to a process and also a device for generating a fuel gas (14) for a gas turbine by separating off sulphur components from a gas mixture (4) containing hydrogen, carbon monoxide, carbon dioxide and also carbonyl sulphide and/or hydrogen sulphide, which gas mixture is in this case scrubbed in a physical gas scrubber (G) with a methanol scrubbing medium (5) at a pressure between 30 and 80 bar(a) in order to obtain a first sulphur-free gas mixture (6) and also a methanol scrubbing medium (7) loaded with sulphur components and carbon dioxide, which methanol scrubbing is then regenerated, wherein a carbon dioxide-rich gas phase that contains sulphur components and is formed by pressure reduction (a) is treated in a further gas scrubber (A) with a methanol scrubbing medium in order to back-wash sulphur components and to generate a second sulphur-free gas mixture (10). It is characteristic in this case that the pressure of the loaded methanol scrubbing medium (7) is reduced to a value between 2.5 and 9 bar(a) and at least a part of the second sulphur-free gas mixture (10) is compressed (V) and combined with the first sulphur-free gas mixture (6) to form the fuel gas (14) for the gas turbine.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201644027597 A
(19) INDIA
(22) Date of filing of Application :12/08/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : ANTENNA SYSTEM AND ANTENNA MODULE WITH REDUCED INTERFERENCE BETWEEN RADIATING PATTERNS

(51) International classification :H01Q 1/00
(31) Priority Document No :15181448.0
(32) Priority Date :18/08/2015
(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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2)VAN GILS, Wijnand

(57) Abstract :
The invention relates to an improved antenna system and antenna module incorporating same. The antenna system comprises a first antenna element adapted to a first frequency band and a second antenna element adapted to a second frequency band. The radiation pattern of the second antenna is improved because the first antenna element comprises: a radiating structure provided on a first side of a dielectric substrate, and at least one resonant structure provided, at least in part, on a second, reverse side of the dielectric substrate. The at least one resonant structure is an open-loop type resonator adapted to resonate at a frequency in the second frequency band. The at least one resonant structure is provided at close proximity to the radiating structure on the reverse sides of the dielectric substrate, occupying, on the second side of the dielectric substrate, an area which is only in part covered by the radiating structure on the first side of the dielectric substrate.

No. of Pages : 28 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/08/2016
(21) Application No.201644027742 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : MIXED FLOW TURBOCORE

(51) International classification	:F01D 25/00
(31) Priority Document No	:14/828,541
(32) Priority Date	:18/08/2015
(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)BECKER, JR., Thomas Lee

(57) Abstract :
A gas turbine engine is provided having a compressorÂ section, a combustion section located downstream of the compressor section, and a turbine section located downstream of the combustion section. A structural member extends from the compressor section to the turbine section for strengthening one or more components of the gas turbine engine. The structural member also defines a flowpath extending between an inlet in airflow communication with the compressor section and an outlet in airflow communication with the turbine section. The flowpath is configured to provide bleed air from the compressor section to the turbine section to capture at least a portion of the energy in such bleed air. FIG.1

No. of Pages : 45 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/08/2016
(21) Application No.201644027745 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : COMPRESSOR BLEED AUXILIARY TURBINE

(51) International classification :F02K 3/00
(31) Priority Document No :14/828,542
(32) Priority Date :18/08/2015
(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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Address of Applicant :1 River Road, Schenectady, New York 12345, United States of America U.S.A.
(72)**Name of Inventor :**
1)BECKER, JR., Thomas Lee

(57) Abstract :
COMPRESSOR BLEED AUXILIARY TURBINE ABSTRACT A gas turbine engine is provided having a compressor section, a combustion section, and a turbine section. The compressor section includes one or more compressors and the turbine section includes one or more turbines. The one or more compressors and the one or more turbines are each rotatable about a longitudinal centerline of the gas turbine engine. Additionally, a bleed air flowpath is provided extending between an inlet in airflow communication with the compressor section and an outlet. An auxiliary turbine is positioned in airflow communication with the bleed air flowpath for extracting energy from a flow of bleed air through the bleed air flowpath

No. of Pages : 43 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201644027748 A
(19) INDIA
(22) Date of filing of Application :13/08/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : SYSTEMS, METHODS, AND DEVICES FOR BIPOLAR HIGH VOLTAGE DIRECT CURRENT ELECTRICAL POWER DISTRIBUTION

(51) International classification :H02H 9/00
(31) Priority Document No :1514878.6
(32) Priority Date :20/08/2015
(33) Name of priority country :U.K.
(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)HANDY, Peter James

(57) Abstract :
ABSTRACT Systems, methods and devices for aircraft power distribution include a bipolar high voltage direct current source component [52]; an electrical loading component [58] capable of drawing electrical power from the bipolar high voltage direct current source component [52]; a set of switching components [54] configured to selectively couple power from the bipolar high voltage DC source component [52] to the electrical loading component [58] and a transient suppression component [56]. The transient suppression component [56] is configured to limit current flowing through the first or the second subset of the set of switching components [54] when the first and the second subsets are not in the same state. FIGURE 2

No. of Pages : 30 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201644027815 A
(19) INDIA
(22) Date of filing of Application :16/08/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : ELECTRICAL CIRCUIT BREAKER

(51) International classification :H01H 1/00
(31) Priority Document No :1557782
(32) Priority Date :18/08/2015
(33) Name of priority country :France
(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)RIVAL, Marc
2)ROELANDT, Hubert
3)DYE, StÃ¨phane

(57) Abstract :
This electrical circuit breaker comprises at least one first fixed land (18), a support assembly equipped with at least one second land rotationally mobile, about a main axis, between a first position in which the second land is in contact with the first land and a second position in which the second land is separated from the first land and an arc-extinguishing chamber comprising a stacking of plates, a top arc-guiding horn, a bottom arc-guiding horn (28), equipped with at least one tab (44) and a screen (30) made of insulating material surrounding the bottom arc-guiding horn. The circuit breaker also comprises two protuberances (48) produced in a gas-producing material, which are mounted on the screen (30), arranged between the bottom horn and the top arc-guiding horn and facing the tab of the bottom arc-guiding horn, the protuberances having a prismatic or pseudo-prismatic form. Figure 4

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201644027947 A
(19) INDIA
(22) Date of filing of Application :17/08/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : DISTILLATION COLUMN SYSTEM AND PLANT FOR PRODUCTION OF OXYGEN BY CYROGENIC FRACTIONATION OF AIR

(51) International classification :F25J 3/00
(31) Priority Document No :15002477.6
(32) Priority Date :20/08/2015
(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)DIMITRI, Goloubev

(57) Abstract :
The distillation column system and the plant are for production of oxygen by cryogenic fractionation of air. The distillation column system has a high-pressure column (101) and a low-pressure column (102), a main condenser (103), and an argon column (152) with an argon column top condenser (155). The low-pressure column (102) comprises an upper mass transfer region (131), a lower mass transfer region (132) and a middle mass transfer region (130). The argon column top condenser (155, 255) is arranged within the low-pressure column (102) between the upper and middle mass transfer regions and is configured as a forced-flow evaporator.

No. of Pages : 45 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201644025376 A
(19) INDIA
(22) Date of filing of Application :25/07/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : NETWORK SERVICE INCIDENT PREDICTION

(51) International classification	:H04M 3/00
(31) Priority Document No	:14/831,168
(32) Priority Date	:20/08/2015
(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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4)Arnab D. CHAKRABORTY
5)Vinita V. NAIR
6)Vinoth VENKATARAMAN

(57) Abstract :
A device may obtain first information related to network devices of a network.Â The device may obtain second information related to the network devices and/or to one or more historic network service incidents.Â The one or more historic network service incidents may be related to network services provided in association with the network devices.Â The one or more historic network service incidents may include outages and/or degradations of one or more network services.Â The device may perform an analysis of the first information and the second information.Â The device may train a predictive model based on the analysis of the first information and the second information.Â The predictive model may predict a probability of a future network service incident based on the first information and/or the second information.Â The device may cause third information, related to the network devices, to be monitored based on the predictive model.

No. of Pages : 81 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/08/2016
(21) Application No.201644026359 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : AIRFLOW INJECTION NOZZLE FOR A GAS TURBINE ENGINE

(51) International classification :F01D 5/00
(31) Priority Document No :14/828544
(32) Priority Date :18/08/2015
(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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1)BECKER, JR., Thomas Lee
2)KUHNE, Craig Miller

(57) Abstract :
An airflow injection nozzle for a stage of airflow injection nozzles located in a turbine section of the gas turbine engine is provided. The airflow injection nozzle includes a leading end positioned opposite of a trailing end, as well as a pressure side positioned opposite of a suction side. The airflow injection nozzle includes an opening positioned on the pressure side oriented generally in a flow direction of the gas turbine engine for injecting a flow of bleed air from a compressor section of the gas turbine engine into the turbine section of the gas turbine engine. FIG. 1

No. of Pages : 45 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201644026700 A
(19) INDIA
(22) Date of filing of Application :04/08/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : A METHOD OF REDUCING NOX EMISSIONS FROM AN ENGINE

(51) International classification :F02D 41/00
(31) Priority Document No :1514786.1
(32) Priority Date :20/08/2015
(33) Name of priority country :U.K.
(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)WRIGHT, James
2)NAIDU, Ashish
3)BRITTLE, Peter George
4)MITCHELL, Matt

(57) Abstract :
A method is disclosed in which an electric machine 16 is used to provide a torque assist to an engine 10 during an acceleration event of a motor vehicle 5 in which there is a sudden high demand for engine torque from a driver of the motor vehicle 5.Â The torque assist from the electric machine 16 allows the torque provided by the engine 10 to be increased from a reduced level in a gradual manner thereby reducing the magnitude of a spike in NOx emissions that would otherwise occur due to a sudden high demand for torque from the driver.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201644026711 A
(19) INDIA
(22) Date of filing of Application :05/08/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : CMC NOZZLES WITH SPLIT ENDWALLS FOR GAS TURBINE ENGINES

(51) International classification :F01D 5/00
(31) Priority Document No :14/828,580
(32) Priority Date :18/08/2015
(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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Address of Applicant :1 River Road, Schenectady, New York 12345, United States of America U.S.A.
(72)**Name of Inventor :**
1)TUERTSCHER, Michael Ray

(57) Abstract :
CMC NOZZLES WITH SPLIT ENDWALLS FOR GAS TURBINE ENGINES A nozzle assembly (100) for a gas turbine engine (10) is provided. The nozzle assembly (100) includes at least two airfoils (110), each airfoil (110) having an exterior surface defining a pressure side (112) and a suction side (114) extending between a leading edge (116) and a trailing edge (118). An outer endwall (130) is disposed radially outward of each airfoil (110), the outer endwall (130) having a leading edge face (136), a trailing edge face (137), and a radially outwardly-facing end surface (132). An inner endwall (120) is disposed radially inward of each airfoil (110), the inner endwall (120) having a leading edge face (126), a trailing edge face (127), and a radially inwardly-facing end surface (121). At least one split line gap (200) is disposed adjacent an endwall side surface on a segmented endwall selected from at least one of the group consisting of the outer endwall (130) and the inner endwall (120). The at least one split line gap (200) is positioned in a generally axial direction between each airfoil (110) and extending between the leading edge face (136) and trailing edge face (137) of the segmented endwall. A nozzle support structure (108) is also provided. FIG. 1

No. of Pages : 29 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201644028104 A
(19) INDIA
(22) Date of filing of Application :18/08/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : ELECTRONIC SYSTEM, PORTABLE DISPLAY DEVICE AND GUIDING DEVICE

(51) International classification	:H04N 21/00
(31) Priority Document No	:62/206,856
(32) Priority Date	:19/08/2015
(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)YANG, Feng-Kai
2)LU, Shih-Chen

(57) Abstract :
An electronic system includes a portable display device and a guiding device. The portable display device includes a first display unit for displaying images of scenes according to a first field of view, a control unit for generating information of a current viewing area of one of the images to be displayed on the first display unit and a first communication unit for outputting the information of the current viewing area. The guiding device includes a second communication unit for receiving the information of the current viewing areaÂ from the portable display device and a processing unit for generating guidance information according to the information of the current viewing area. Wherein the second communication unit transmits the guidance information to the first communication unit, and accordingly the control unit performs a guidance task according to the guidance information. Figures

No. of Pages : 28 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201644028129 A
(19) INDIA
(22) Date of filing of Application :18/08/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : DESIGNER PHOTOAUTOTROPHIC AND HYDROGENOTROPHIC PRODUCTION OF ALCOHOLS AND BIODIESEL

(51) International classification :C12P 7/00
(31) Priority Document No :14/832,476
(32) Priority Date :21/08/2015
(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)LEE, James, Weifu

(57) Abstract :
Designer Calvin-cycle-channeled and hydrogenotrophic biofuel-production pathways, the associated designer genes and designer transgenic organisms for autotrophic production of alcohols and biodiesel from carbon dioxide, hydrogen. and/or waler are disclosed. The alcohols include methanol, ethanol, propanol, 1 -butanol, 2-methyl-1-butanol, isobutanol, 3-methyl-1-butanol. 1-hexanol. 1-octanol, 1-pentanol. 1-heptanol, 3-methyl- 1-pentanol, 4-methyl-1-hexanol, 5-methyl-1-heptanol, 4-methyl-1-pentanol, 5-methyl-1-hexanol, and 6-methyl-1-heptanol. The designer autotrophic organisms such as designer transgcnic oxyphotobacteria and algae comprise designer Calvin-cycle-channeled and hydrogenotrophic pathway gene(s) and biosafety-guarding technology for enhanced autotrophic production of alcohols and biodiesel from carbon dioxide and water; wherein the designer transgenic cells in their mass liquid culture can inducibly self-flocculate for enhanced harvesting of their biomass upon the expression of the designer cell surface-linked positively charged polypeptides.

No. of Pages : 516 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/08/2016
(21) Application No.201644028191 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD FOR ALTERING METAL SURFACES

(51) International classification :C23C
(31) Priority Document No :14/831,930
(32) Priority Date :21/08/2015
(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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1)DIAL, Laura Cerully
2)CARTER, William Thomas
3)GIGLIOTTI, JR., Michael Francis Xavier

(57) Abstract :
A surface (204) of an article (100) is modified by first disposing a nickel-enriched region (202) at the surface (204) of a substrate (101), then enriching the nickel-enriched region (202) with aluminum to form an aluminized region, and finally removing at least a portion of the aluminized region to form a processed surface of the substrate (101). Upon removal of this material, the roughness of the surface (204) is reduced from a comparatively high initial roughness value to a comparatively low processed roughness value. In some embodiments, the processed roughness is less than about 95% of the initial roughness. Moreover, the sequence of steps described herein may be iterated one or more times to achieve further reduction in substrate (101) surface roughness. Fig.1

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201644028192 A
(19) INDIA
(22) Date of filing of Application :19/08/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : APPARATUS AND METHOD FOR DIRECT WRITING OF SINGLE CRYSTAL SUPER ALLOYS AND METALS

(51) International classification :C22C 1/00
(31) Priority Document No :14/830,759
(32) Priority Date :20/08/2015
(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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1)CARTER, William Thomas
2)ROCKSTROH, Todd Jay
3)KONITZER, Douglas Gerard

(57) Abstract :
Methods for direct writing of single crystal super alloys and metals are provided. The method can include: heating a substrate (23) positioned on a base plate (22) to a predetermined temperature using a first heater (24); using a laser (26) to form a melt pool (34) on a surface of the substrate (23); introducing a superalloy powder (32) to the melt pool (34); measuring the temperature of the melt pool (34); receiving the temperature measured at a controller (40); and using an auxiliary heat source (41) in communication with the controller (40) to adjust the temperature of the melt pool (34). The predetermined temperature is below the substrateâ€™s melting point. The laser (26) and the base plate (22) are movable relative to each other, with the laser (26) being used for direct metal deposition. An apparatus (20) is also generally provided for direct writing of single crystal super alloys and metals. FIG. 2

No. of Pages : 26 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.2053/CHENP/2009 A
(19) INDIA
(22) Date of filing of Application :15/04/2009
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHODS FOR FEATURE SELECTION USING CLASSIFIER ENSEMBLE BASED GENETIC ALGORITHMS

(51) International classification :G06F 17/00
(31) Priority Document No :60/826593
(32) Priority Date :22/09/2006
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2007/053750
Filing Date :17/09/2007
(87) International Publication No :WO/2008/035276
(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)BOROCZKY Lilla
3)AGNIHOTRI Lalitha A.
4)LEE Michael C. C.

(57) Abstract :
Methods for performing genetic algorithm-based feature selection are provided herein. In certain embodiments, the methods include steps of applying multiple data splitting patterns to a learning data set to build multiple classifiers to obtain at least one classification result; integrating the at least one classification result from the multiple classifiers to obtain an integrated accuracy result; and outputting the integrated accuracy result to a genetic algorithm as a fitness value for a candidate feature subset, in which genetic algorithm-based feature selection is performed. FIG. 1

No. of Pages : 12 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(21) Application No.2192/CHENP/2009 A
(19) INDIA
(22) Date of filing of Application :21/04/2009
(43) Publication Date : 24/02/2017

(54) Title of the invention : COMPENSATION OF LEAKAGE CURRENT AND RESIDUAL SIGNALS FOR INTEGRATING DETECTOR BASED ON DIRECT X-RAY CONVERSION

(51) International classification :H 04 N 05/32
(31) Priority Document No :06121191.8
(32) Priority Date :25/09/2006
(33) Name of priority country :EPO
(86) International Application No :PCT/IB2007/053747
Filing Date :17/09/2007
(87) International Publication No :WO/2008/038177
(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)SIMON Matthias
4)MENSER Bernd

(57) Abstract :
The application describes an X-ray detector, which uses direct X-ray conversion (DiCo) combined with CMOS pixel circuits. DiCo materials have to be used with high voltage to achieve a high field strength. This makes the sensor prone to leakage currents, which falsify the measured charge result. Moreover, most direct conversion materials suffer from large residual signals that lead to temporal artefacts (ghost images) in an X-ray image sequence. A circuit is described, which senses the sensor""s dark current including residual signals from previous exposures before the sensor is exposed (again) to X-ray, and freezes relevant circuit parameters at the end of the sensing phase in such way, that the dark current (leakage current and residual signal) can still be drained during exposure. Fig.2

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.2193/CHE/2008 A
(19) INDIA
(22) Date of filing of Application :10/09/2008
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD FOR OPERATING A ROTATING ELECTRICAL MACHINE

(51) International classification :F 16 F 15/16
(31) Priority Document No :7116035.2
(32) Priority Date :10/09/2007
(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 :**
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1)KLEY, JONAS,
2)PAPAFOTIOU, GEORGIOS,

(57) Abstract :
ABSTRACT A method is specified for operating a rotating electrical machine, in which the rotating electrical machine is connected in terms of phase to a converter circuit, having a DC voltage circuit, for connecting at least two voltage levels, and the phases of the converter circuit are connected to the DC voltage circuit in accordance with a selected switching state combination of switching states for power semiconductor switches in the converter circuit. In order for operation of the rotating electrical machine to also be possible in the event that switching state combinations with respectively associated torque trajectory and magnetic stator flux trajectory, which torque trajectory or magnetic stator flux trajectory are outside the predetermined value range, over a number L of sampling times the maximum value is determined from torque infringement values and the maximum value is determined from stator flux infringement values and these maximum values are added, and that switching state combination is set as the selected switching state combination with which the sum of the maximum values is at its smallest. As an alternative, over the number L of sampling times the sum of torque infringement values and the sum of stator flux infringement values is farmed, the maximum value of the sums is formed, and that switching state combination is set as the selected switching state combination with which the maximum value is at its smallest.

No. of Pages : 33 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/08/2015
(21) Application No.4328/CHE/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : ILLUMINATION SYSTEM FOR A VEHICLE

(51) International classification :F21S
(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)SUNIL KUMAR CHIPPA
2)SAMRAJ JABEZ DHINAGAR

(57) Abstract :
The present invention is a novel illumination system for an under-seat of a vehicle. The system proposes an optimum location for the light source to be under the seat. An LED light unit that is self-powered by miniature batteries and a tilt type sensor that operates based on the principle of gravity is used. The focus and intensity of light can be adjusted by tilting the seat. The light unit can be used as a standalone source as well. Also, there is no additional design cost involved as the powering of the system is by lifting of the seat. Figure 3

No. of Pages : 13 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/04/2009
(21) Application No.2070/CHENP/2009 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : DISPLAY CONTROL FOR CELLUAR PHONE

(51) International classification :H01M 2/00
(31) Priority Document No :60/829769
(32) Priority Date :17/10/2006
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2007/022076
Filing Date :16/10/2007
(87) International Publication No :WO/2008/048601
(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)Sehat Sutardja

(57) Abstract :
A cellular phone (10) comprises a transceiver (20) that wirelessly transmits and receives wireless cellular signals, a display (30), an input device (32), a microphone (26) that generates audio signals and a light sensing module (40) that senses ambient light. A control module communicates with the transceiver, the display, the input device, the microphone and the light sensing module, and comprises a comparing module that generates a first signal when the ambient light signal is less than a threshold, a timing module that determines a duration of the first signal and a selecting module that communicates with the timing module and that selectively deactivates the display and the input device when the duration is greater than a first period. Figure 1

No. of Pages : 40 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/09/2009
(21) Application No.2206/CHE/2009 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : â€œA METHOD FOR DETECTING AN ANALYTEâ€ •

(51) International classification :C08G 83/00
(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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3)YAMAJALA BHASKARA RAMA DURGA RAJESH
4)BAGUL RAHUL SURESH
5)AJAY KUMAR SOOD

(57) Abstract :
The application relates to a method of detecting analytes using non-aromatic dendritic macromolecules. The inherent photoluminescence of dendritic polymers, namely, poly(propyl ether imine) (PETIM) dendrimers, is affected significantly in the presence of nanomolar concentrations of analytes, thereby forming the first instance where-in a non-aromatic dendritic polymer is employed to detect analytes.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4324/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :18/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : PHARMACEUTICAL FORMULATIONS OF PEMETREXED

(51) International classification :A61K
(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)vure prasad

(57) Abstract :
Abstract The present invention relates to a liquid, ready to use pharmaceutical formulation and/or a lyophilized composition comprising pemetrexed or a pharmaceutically acceptable salt other than a sodium salt or a hydrate thereof, and at least one or more pharmaceutically acceptable excipients, for parenteral administration. Also provided are the processes for preparing the ready to use solution and lyophilized composition comprising the same.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/08/2015
(21) Application No.4326/CHE/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : EFFICIENT TURBO PROPELLER SYSTEM

(51) International classification	:B63H 23/00
(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)B N Karkera
2)Adith Jagadish Boloor

(57) Abstract :
ABSTRACT In one aspect of the present invention, the design change involved is to completely submerge the sealed motor of the main propeller of a vessel underwater and make the motor shaft hollow. A continuous propeller is within the hollowness of the shaft similar to the threading of a screw. This design change significantly decreases the diameter of the propeller otherwise needed. This is because the coined â€˜turbo propellerâ€™ efficiently pushes the water along the length of the shaft, hence not wasting valuable hydrodynamic energy that is dispelled on directions that are not parallel to the motion of the vessel.

No. of Pages : 12 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4327/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :19/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : AN APPARATUS FOR CHAMFERING CYLINDRICAL OBJECTS AND A METHOD THEREOF.

(51) International classification :B25B
(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)Triveni Turbine Limited
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(72)**Name of Inventor :**
1)Virupaksha G.P

(57) Abstract :
An apparatus (200) for chamfering cylindrical objects and a method thereof is disclosed as shown in the figure 3(a), wherein the problems associated with conventional apparatus (100) for pipe chamfering like difficulty of operator in chamfering operation, difficulty in producing uniform chamfer at edge of a workpiece (46), need of skilled labour, high cycle time, difficulty in accommodating different sizes of the workpiece (46) etc., are eliminated by providing an apparatus (200). As a result, a simple apparatus (200) for chamfering cylindrical objects which can perform uniform chamfer at edge of the workpiece (46) easily in less cycle time and which can accommodate different sizes of workpiece (46) is obtained.

No. of Pages : 25 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201644026878 A
(19) INDIA
(22) Date of filing of Application :05/08/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : MONEY HANDLING APPARATUS

(51) International classification	:G07D 11/00
(31) Priority Document No	:2015-162565
(32) Priority Date	:20/08/2015
(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)MIZUMOTO, Koji

(57) Abstract :
An objective of the present invention is to facilitate the setting of versions of money to be stacked in stacking units of a money handling apparatus. [Solution] The money handling apparatus includes: a plurality of stacking units that stack money by type; a storage unit that stores version classification setting in which classification of versions of multiple series of money issued in different years is set for each of denominations; a recognition unit that recognizes denominations and series of money; and a control unit that determines, on the basis of the version classification setting, versions of money of which denominations and series have been recognized by the recognition unit, and stacks the money in the stacks units corresponding to the denominations and versions of the money.

No. of Pages : 25 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/04/2009
(21) Application No.2187/CHENP/2009 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : HAPTIC FEEDBACK MEDICAL SCANNING METHODS AND SYSTEMS

(51) International classification :A 61 B 08/00
(31) Priority Document No :60/826,797
(32) Priority Date :25/09/2006
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2007/053773
Filing Date :18/09/2007
(87) International Publication No :WO/2008/038184
(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)ROUNDHILLÂ David N.

(57) Abstract :
Devices for use in medical imaging can include a robotic arm (220) having multiple degrees-of -freedom movement capability, a scanning transducer (230) coupled in proximity to an end of the robotic arm, and a haptic interface (250) having one or more mechanical linkages and being in communication with the robotic arm, and adapted to issue command signals to move the robotic arm in one or more directions or angles and to receive feedback signals from the robotic arm. Fig.1

No. of Pages : 23 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4332/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :19/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : A MODIFIED FIXED TIME ROAD TRAFFIC SIGNAL CONTROLLER WITH ENHANCED FUNCTIONAL FEATURES TO OPERATE AS A VEHICLE ACTUATED CONTROLLER FOR CONTROLLING TRAFFIC SIGNALS IN A TERRESTRIAL ROAD ARTERIAL SYSTEM

(51) International classification :G08G
(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)MR. RAVIKUMAR POOLATHODI
2)MR. VATTAPARAMBIL ABRAHAM MATHAI

(57) Abstract :
The invention relates to a modified fixed time road traffic signal controller with enhanced functional features to operate as a vehicle actuated controller for controlling traffic signals in a terrestrial road arterial system, comprising: a functional feature enhancement (FEC) controller having a microprocessor or a microcontroller to operate as a Central Processing Unit (CPU); a random access memory (RAM) for storing data; a flash memory stored with a control program, a traffic plan, phase data, pre-set parameters for the controller such as minimum green ON time, maximum green ON time, gap settings; an Ethernet interface for communicating to a laptop or a computer device for programming of the FEC controller; an input/output (I/O) interface for receiving data from a plurality of sensors, including the status of auto/manual switch, the status of green lamps connected to the pre-timed controller and for sending over-writing signal for the manual switch and the push button switch to the pre-timed traffic controller; an I/O isolator between I/O external pins and I/O interface pins of the FEC to protect the FEC from excessive voltage or current occurrences; a plurality of vehicle detectors each connected to the road lanes for sensing traffic flow of vehicles in an intersection of lanes; a pre-timed controller generating a plurality of traffic control signals connected to a lamp driver driving a plurality of signal lamps; an auto/ manual switch to overdrive the pre-programmed traffic control signals; and a push button switch to advance the control signals to the next phase, said pre-timed controller being interfaced with the FEC.

No. of Pages : 28 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/08/2015
(21) Application No.4333/CHE/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : PROCESS FOR THE PREPARATION OF N-[5-(4-BROMOPHENYL)-6-[2-[(5-BROMO-2-PYRIMIDINYL)OXY] ETHOXY]-4-PYRIMIDINYL]-N'-PROPYLSULFAMIDE

(51) International classification	:C07D 239/00
(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)SRINIVASAN THIRUMALAI RAJAN
2)SAJJA ESWARAIAH
3)GHOJALA VENKAT REDDY

(57) Abstract :
The present invention relates to process for the preparation of N-[5-(4-bromophenyl)- 6-[2-[(5-bromo-2-pyrimidinyl)oxy]ethoxy]-4-pyrimidinyl]-N"-propylsulfamide represented by the following structural formula-1.

No. of Pages : 23 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/06/2009
(21) Application No.1472/CHE/2009 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD AND SYSTEM FOR CREATING CUSTOMIZED MEDICATION CHARTS

(51) International classification	:G06F 19/00
(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)PRIYANKA SRIYAPAREDDY

(57) Abstract :
A method and system for creating customized medication chart is disclosed herewith. The method comprises: accessing medical information and patient information; and automatically generating a customized medication chart by interpreting the medical information and the patient information. The medication information includes medication information along with dosage and frequency, diagnostics and treatment plans. The patent information includes patient preferences, patient routines and lifestyle information, and patient or user preferences on medication chart display.

No. of Pages : 29 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201644018623 A
(19) INDIA
(22) Date of filing of Application :31/05/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : THREAD TENSIONING INSTALLATION

(51) International classification :F16H
(31) Priority Document No :15 181 578.4
(32) Priority Date :19/08/2015
(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 :**
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2)KOLLMANNTHALER, Meike
3)SCHORLEMMER, Martin

(57) Abstract :
The invention relates to a thread tensioning installation (1) comprising a spring element and a lever (2). The intention is to provide a thread tensioning installation which has a natural frequency that is as high as possible and at the same time has high damping. According to the invention, this object is achieved in that the spring element comprises a torsion thrust spring (3) which is connected to one end (7) of the lever (2). Fig. 3

No. of Pages : 0 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/04/2009
(21) Application No.2044/CHENP/2009 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : DYNAMIC GAMUT CONTROL

(51) International classification :G11B 15/00
(31) Priority Document No :06120979.7
(32) Priority Date :20/09/2006
(33) Name of priority country :EPO
(86) International Application No :PCT/IB2007/053711
Filing Date :14/09/2007
(87) International Publication No :WO/2008/035259
(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)ZNAMENSKIY Dmitry N.

(57) Abstract :
A method of dynamic gamut control comprises the step of controlling (LD) intensities of at least a subset (PR, PG, PB) of a set of color primaries (PR, PG, PB, PW) associated with corresponding sub-pixels (RP, GP, BP, WP) of a display device. The method further comprises the step of searching (PC) for a minimal intensity value (Ra; Ga; Ba) of one of the color primaries of the subset (PR; PG; PB) being adjusted, to obtain together with the other color primaries (WP) of the set of color primaries (PR, PG, PB, PW) an adjusted color gamut (GG1; GR1; GB1; GG2; GR2) still containing all the colors of the set of colors (S) by: for each color of the set of colors (S), determining (PC) the minimal intensity value (Ra; Ga; Ba) of the color primary being adjusted to obtain the adjusted color gamuT. FIG. 1

No. of Pages : 28 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/08/2015
(21) Application No.4363/CHE/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : POLICY-BASED TRUSTED PEER-TO-PEER CONNECTIONS

(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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4)SACHIN HALLAD
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(57) Abstract :
As attached.

No. of Pages : 34 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4364/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :20/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : SIMULATION OF BLOOD GLOCOSE CONTROL SYSTEMS OF GUYTON & EULER WITH FOCUS ON URINARY BLADDER

(51) International classification	:G09B 5/00
(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 :**
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(57) Abstract :
ABSTRACT: Guyton had a profound research â€“ knowledge of Control Engineering & Physiology.Â Refer his Textbook of Medical Physiology, figures 1-1 to1-8, seventh edition. Control Systems are based on software of fluidic mathematical nature. They depend for their complementary hardware on hydraulics & electronics (ex: car braking & ignition systems) for their existence in the real world. A vector cannot exist without its imaginary (control plan) & complementary real (execution method) parts or components, resolved on Y & X axes.Â Guyton was aware of hydraulics.Â His knowledge on electronic devices is implicit (CRO of fig.10-23), as is the case with Euler.Â Therefore we explained &analysed Guytonâ€™s Blood GlucoseControl System (BGCS) through 555 timer mechanism (INVENTIVE STEP)Â of Anil& Varsha, page 538& hydraulic float control models of Sarma [6] and Ogata [12], which generate square & exponential waves(steady state & transient responses) of fig.11-25, P.555.Â Elimination of toxins through normal daily defecation is a necessary condition for normal functioning of Guytonâ€™s BGCS.Â According to Ayurveda of India, constipation is the cause for toxins & associated complications.

No. of Pages : 7 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(21) Application No.1939/CHENP/2009 A
(19) INDIA
(22) Date of filing of Application :08/04/2009
(43) Publication Date : 24/02/2017

(54) Title of the invention : WIRELESS NETWORK

(51) International classification :H04H 60/88
(31) Priority Document No :06120768.4
(32) Priority Date :15/09/2006
(33) Name of priority country :EPO
(86) International Application No :PCT/IB2007/053629
Filing Date :10/09/2007
(87) International Publication No :WO/2008/032253
(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)WALKE Bernard
5)WANG Xiangyu

(57) Abstract :
A wireless network (1) comprises basic service sets (6, 7) and a distribution system (8). Each of the basic service sets (6, 7) comprises stations (2, 3) and stations (4, 5), respectively. Thereby, data is moved between their basic service sets (6, 7) and said distribution system (8) via access points (10, 11), which are also stations (3, 4). A medium access control architecture incorporating a distributed coordination function as an access method is provided. Thereby, a normal mode and a mesh mode are provided. Thereby, normal mode is used to transmit data between stations (2, 3; 4, 5) within each of the basic service sets (6; 7). In mesh mode, data is transmitted between the access points (10, 11). To priorize transmission within the distribution system (8) the stations (2, 5), which are not mesh devices, are silence during mesh mode. FIG. 1

No. of Pages : 23 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/04/2009
(21) Application No.1940/CHENP/2009 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : WIRELESS NETWORK WITH CONTENTION AND CONTENTION-FREE PERIODS

(51) International classification :H04H 60/88
(31) Priority Document No :06120763.5
(32) Priority Date :15/09/2006
(33) Name of priority country :EPO
(86) International Application No :PCT/IB2007/053659
Filing Date :11/09/2007
(87) International Publication No :WO/2008/032267
(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)HIERTZ Guido R.
3)MAX Gustaf S.
4)WALKE Bernard
5)WANG Xiangyu

(57) Abstract :
A wireless network (1) comprises mesh devices and non-mesh devices. A medium access control architecture incorporates at least a point coordination function as an access method, wherein the point coordination function starts a contention-free period (30) with a beacon (32) so that a non-polled transmission by the non-mesh devices is prevented. Further, the mesh devices are enable to communicate during the contention-free period (30). Hence, communication between the mesh devices is priorisized so that a high reliability is achieved and utilization of the wireless network (1) is optimized. FIG. 1

No. of Pages : 16 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/04/2009
(21) Application No.2101/CHENP/2009 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : DEVICE FOR AMBULATORY MONITORING OF BRAIN ACTIVITY

(51) International classification :A61B 5/0478
(31) Priority Document No :60/826755
(32) Priority Date :25/09/2006
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2007/053801
Filing Date :19/09/2007
(87) International Publication No :WO/2008/038194
(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)VERBITSKIYÂ Evgeny

(57) Abstract :
A device for ambulatory monitoring of brain activity includes a patch secured to a head of a monitoring subject and an electrode secured to the head of the monitoring subject. The electrode produces a signal indicating brain activity of the monitoring subject. The device further includes a signal processor that receives the signal produced by the electrode and processes the signal to produce data. The signal processor is secured to the monitoring subject. The device further includes a display that displays the data produced by the signal processor, the display being secured to the monitoring subject. The device also includes a power source secured to the monitoring subject, the power source providing power to the electrode, the signal processor, and the display wherein the monitoring subject may ambulate unimpeded by the patch, the electrode, the signal processor, the display and the power source. FIG. 1

No. of Pages : 21 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4383/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :21/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : POTENTIAL SOIL NITRIFICATION INHIBITOR WITH AROMATIC RING SUBSTITUTED 1,2,4-TRIAZOLE NUCLEI A NEW PROMISE IN AGRICULTURE

(51) International classification :C07D249/00
(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.BIJUL LAKSHMAN A, (PDF)

(57) Abstract :
The Nitrogen loss in farmers field is one among the biggest constrain in the field of Agriculture Procudtion Technology. About 60-80% of applied Nitrogen is un-utilized due to loss by various means. The main loss is due to Nitrification process. This patent application is for protecting the IPR on Nitrifiaction Inhibitory Activity of identified 1,2,4-triazole compound. About Fourty four analogues of 1,2,4-triazole was synthesized and tested for its Potential bioactivity and NI. This has been submitted to QSAR and finally arrived with 5-(4-amino phenyl) -4-amino-3-mercapto-1,2,4-triazole. This compound showed significant NI activity in long run than the existing commercial compounds.

No. of Pages : 15 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(21) Application No.1970/CHENP/2009 A
(19) INDIA
(22) Date of filing of Application :09/04/2009
(43) Publication Date : 24/02/2017

(54) Title of the invention : ENCODING AND DECODING OF AUDIO OBJECTS

(51) International classification :H03M 1/08
(31) Priority Document No :06120819.5
(32) Priority Date :18/09/2006
(33) Name of priority country :EPO
(86) International Application No :PCT/IB2007/053748
Filing Date :17/09/2007
(87) International Publication No :WO/2008/035275
(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)BREEBAARTÂ Dirk J.

(57) Abstract :
An audio system comprises an encoder (209) which encodes audio objects in an encoding unit (403) that generates a down-mix audio signal and parametric data representing the plurality of audio objects. The down-mix audio signal and parametric data is transmitted to a decoder (215) which comprises a decoding unit (301) which generates approximate replicas of the audio objects and a rendering unit (303) which generates an output signal from the audio objects. The decoder (215) furthermore contains a processor (501) for generating encoding modification data which is sent to the encoder (209). The encoder (209) then modifies the encoding of the audio objects, and in particular modifies the parametric data, in response to the encoding modification data. The approach allows manipulation of the audio objects to be controlled by the decoder (215) but performed fully or partly by the encoder (209). Fig. 4

No. of Pages : 38 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4286/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :17/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : GENERATION OF POWER FROM SPEED BREAKERS BY USING A HYDRAULIC CIRCUIT

(51) International classification :F03B
(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)S NATARAJAN

(57) Abstract :
The present invention is related to "Generation of power from speed breakers by using a hydraulic circuit". Many vehicles are passing over the speed breaker at toll gates. There is possibility of tapping the energy and generating power by making the speed breaker as a power generation unit. As the vehicle passes over the speed breaker the load acted upon the speed breaker setup, which pressurizing hydraulic fluid. The pressurized fluid is sent to the accumulators and hydraulic motor. A part of the fluid is stored in the accumulators and rest of the fluid is used to rotate the hydraulic motor. The stored fluid in the accumulators is used to drive the motors continuously when the vehicles do not cross the speed breaker for a long time (approximately 15 to 20 minutes). Then this rotary motion of the hydraulic, motor is fed on to the gear drives which multiplies its speed, which is sufficient to rotate the rotor of a generator. The generated power can meet the power requirement of the toll gates and this will be a great boon for a few rural villages located near to toll gates.

No. of Pages : 9 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/08/2015
(21) Application No.4376/CHE/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : A NOVEL WELDING FIXTURE

(51) International classification :B23K
(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)Dr. Sanjivi Arul

(57) Abstract :
The present invention provides a novel welding fixture. According to an embodiment, the novel welding fixture assembly is used for pre-cooling and pre-heating functions. The fixture assembly includes a bottom plate, a base plate, atleast a pipe connector, a clamping pad, an adjusting screw fitting plate, fastening screws, a main body, a rectangular or square rod, an inner sleeve, a copper base plate, a side plate, a supporting pad, an adjusting screw, a clamping screw and a work piece. In an embodiment, the fixture has the copper base plate over which a work piece is kept for welding. The inner sleeve of copper base plate and the main body creates a box structure in which dry ice is kept for pre-cooling. Heating coils are placed inside the box like structure for preheating. The work piece is adjusted and centered by means of clamping mechanism provided in the main body.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4378/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :21/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : â€œAPPARATUS AND METHOD FOR SUPPORTING HANDOVER WITH MULTICONNECTIVITY IN WIRELESS COMMUNICATION SYSTE â€ •

(51) International classification :H04W 84/00
(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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5)Young-Joong MOK
6)Sang-Kyu BAEK
7)Anil AGIWAL
8)Young-Bin CHANG

(57) Abstract :
ABSTRACT The present disclosure relates to 5 th generation (5G) or pre-5G communication systems for supporting higher data transfer rates, following the 4 th generation (4G) communication systems, such as long term evolution (LTE). A method for supporting handover with multi-connectivity in a wireless communication system is provided. The method includes sending a measurement report message including information of at least one small base station (eNB) to a macro cell eNB, receiving information of a new small eNB in a target cell from the macro cell eNB based on the measurement report message, and performing a random access procedure with the new small eNB in the target cell based on handover.

No. of Pages : 80 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(21) Application No.2048/CHE/2007 A
(19) INDIA
(22) Date of filing of Application :12/09/2007
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD FOR MODERNIZING THE CONTROL OF AN ELEVATOR SYSTEM

(51) International classification :B66B 1/00
(31) Priority Document No :06120520.9
(32) Priority Date :12/09/2006
(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)GERSTENKORN, BERNHARD

(57) Abstract :
Abstract In a method for modernizing the control of an elevator system (10) with at least one terminal (20, 25), the terminal (20, 25) is updated with a control data packet for modernizing the control functions of the elevator system (10) that is stored on a mobile control data storage element (30). In this method, by means of a near-field radio connection that is generated within a predefined distance (R) between the mobile control data storage element (30) and the terminal (20, 25), the control data packet is transmitted from the control data storage element (30) to the terminal (20, 25), and the control data packet deposited in a memory unit (21, 26) of the terminal (20, 25). (Fig. 1)

No. of Pages : 11 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/08/2015
(21) Application No.4297/CHE/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : A HOUSING FOR A FUEL CONTROL UNIT OF A HIGH PRESSURE PUMP

(51) International classification	:H04W 52/00
(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)Raghavendra Krishnamurthy
3)Shilpa Mani
4)Vijayan Parthiban

(57) Abstract :
Disclosed herein is a housing 200 for a fuel control unit of a high pressure pump. The housing 200 comprises a first connector 202 in flow communication with an overflow valve 204 located within the housing 200. The overflow valve 204 opens into a second connector 206, and a third connector 208 in flow communication with the first connector 202 via a metering unit 210 located in the housing 200. The housing 200 is made from plastic and the first connector 202, the second connector 206 and the third connector 208 are integrated with the housing 200.

No. of Pages : 8 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4392/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :21/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : PLASTIC AIR-INTAKE MANIFOLD STIFFENED WITH PROFILED METALLIC STRUCTURE/S FOR REDUCING THE ENGINE SURFACE VIBRATIONS AND NOISE LEVELS.

(51) International classification :F02M35/00
(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)AJINKYA BADKAS
3)SAIDAIAH CHINNA

(57) Abstract :
Abstract A plastic air-intake manifold stiffened with at least one profiled metallic structure to reduce engine surface vibrations and noise levels, wherein the air-intake manifold comprises: (a) air intake pipe configured with a plurality of intermediate connections leading to the corresponding profiled air-distribution tubes, (b) internally threaded bosses configured at predetermined locations on the plurality of intermediate connections and extending towards the top-cover of the air-intake manifold, (c) profiled metallic bracket consisting of a plurality of interconnected stiffening arms configured in a predetermined profile adapted to be fastened around the top-cover attachment location for stiffening of the intermediate connections area, (d) supporting legs configured on the intermediate connections and extending away from the top cover attachment location and provided with through holes for attachment to the respective threaded bosses, and (e) fasteners for fastening the metallic bracket on the respective threaded bosses for stiffening the weak area of the air-intake manifold around the top cover attachment location thereof. Figure 2.

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/08/2015
(21) Application No.4393/CHE/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : CONTACT SYSTEM OF A HIGH VOLTAGE DISCONNECTOR

(51) International classification :H01R13/00
(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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5)MANDAR GANGURDE

(57) Abstract :
The invention relates to a contact system of a disconnector. The contact system comprises a male contact of a substantially elongated shape and a female contact comprising a plurality of pairs of contact fingers. Each pair of contact fingers is parallel to the other pairs of contact fingers. Each contact finger in a pair is identical in shape to the other contact finger in the pair, and comprises a bend at a substantially central portion and is rolled at an end for minimizing electric stress at the end. The two contact fingers in the pair are arranged such that the two contact fingers are parallel at a first section and mirrored at a second section. The separation between the contact fingers at the first sections corresponds to the shape of the male contact, and the second sections guide the male contact into the separation during closing of the disconnector.

No. of Pages : 11 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/04/2009
(21) Application No.2189/CHENP/2009 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : FLIP-CHIP INTERCONNECTION THROUGH CHIP VIAS

(51) International classification :H01L23/48
(31) Priority Document No :60/826,815
(32) Priority Date :25/09/2007
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2007/053771
Filing Date :18/09/2007
(87) International Publication No :WO/2008/038183
(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)ROBINSON,Â Andrew L.
2)DAVIDSEN Richard E.

(57) Abstract :
An acoustic assembly that includes an integrated circuit package having an electrically conductive via configured to pass from an active portion of the integrated circuit package through a bottom portion of the integrated circuit package. The bottom portion is a bottom side of a substrate of the integrated circuit package. An acoustic element is positioned on the bottom side of the substrate and the via is arranged to electrically couple the active portion of the integrated circuit package to the acoustic element. In one embodiment, the acoustic element is an acoustic stack and the integrated circuit package is an ASIC. The assembly may be formed for use as a microbeamformed transducer. Fig.1

No. of Pages : 26 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4338/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :19/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : Method and wireless communication system for handling offloading of DRBs to WLAN carrier

(51) International classification	:H04W 28/00	
(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)Mangesh Abhimanyu Ingale
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4)Jaehyuk Jang

(57) Abstract :
ABSTRACT A method and a wireless communication system for handling offloading of DRBs served by LTE carrier to a WLAN carrier served by a WLAN is described. The method comprises exchanging control plane signaling between a LTE node and WT node to establish at least one GTP-U tunnel for offloading at least one DRB of at least one UE to the WLAN carrier, wherein an offloaded DRB is assigned an LTE QoS parameter by the LTE node. Further, the method comprises mapping, by one of the LTE node and a Wireless Termination (WT) node, the LTE QoS parameter assigned to the offloaded DRB to a WLAN QoS parameter for scheduling each data packet received on the offloaded DRB. Further, the method comprises receiving data packets of the offloaded DRB through a GTP-U tunnel associated with the offloaded DRB. FIG. 2

No. of Pages : 96 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4280/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :17/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : COMPUTERIZED WATER DISTRIBUTION SYSTEM

(51) International classification	:A61F 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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1)Omprakash N Sringeri

(57) Abstract :
ABSTRACT According to one aspect, a computerized water distribution system comprises a central server system to store the data corresponding to each usage point in a water distribution network and to send/receive information to/from the usage points, a digitally controlled valve at the usage point to control the flow of water to the usage point from the water pipe and a communication network to achieve communication between central server system and water distribution network. According to another aspect, the data corresponding to each usage point includes valve control data and threshold value fixed for that particular usage point. According to yet another aspect, the valve controller closes/opens the valve at the usage point depending upon the value of valve control data and if the valve is open, the processor compares the threshold value with the reading of the flow meter and it closes the valve at the usage point when the flow meter reading exceeds the threshold value.

No. of Pages : 17 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4351/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :20/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : SUPPORTING FRAME STRUCTURE FOR MOBILE PHONE

(51) International classification :H04M
(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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(57) Abstract :
The present invention relates to a supporting frame structure for mobile phone, which primarily comprises a supporting stand and a supporting member connected with the supporting stand. The supporting stand is a rear cover of a mobile phone or a base body which may be fixed tightly to a rear cover of a mobile phone. On the supporting stand is disposed a slot body thereon are arranged a retaining hole and a positioning slot surrounding the periphery of the retaining hole. On the supporting member are disposed a column body and a protruding point. The supporting member is embedded in the retaining hole of the supporting stand by means of the column body so that the supporting member may rotate along the supporting stand. When not in use, the supporting member is housed in the slot body of the supporting stand. When in use, the supporting member is pulled out of the slot body, rotated to an angle, and positioned by means of the protruding point and a positioning slot so that the mobile phone may be supported on an appropriate incline for a user to view images displayed on the mobile phone screen. Reference figure: FIG. 1

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/08/2015
(21) Application No.4352/CHE/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : PRODUCTION OF ALCOHOL (NATURO-HOL) FROM AGAVE ALBOMARGINATA

(51) International classification :A23L
(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
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9)KALEEMULLAH SHAIK
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11)SYAMALA BOREDDY

(57) Abstract :
APPLICANT: DST-PURSE CENTERE & DEPARTMENT OF FOOD & INDUSTRIAL MICROBIOLOGY TITLE: PRODUCTION OF ALCOHOL (NATURO-HOL) FROM AGAVE ALBOMARGINATA ABSTRACT The present invention shall disclose a cost effective process for production of enhanced quality alcohol (Naturo-hol) from desert plant, Agave albomarginata. The process involves assessing the maturity of agave plant and harvesting the leaves of matured agave plant. Then the harvested matured leaves are trimmed followed by cutting them into small pieces and subjecting to dry heat treatment to form a cooked material. The cooked material is cooled followed by subjecting to juice extraction without adding water and filtering it to form extracted juice. Microbial starter Saccharomyces spp is added to the extracted juice at a predetermined ratio and allowed it to ferment for predetermined period at predetermined temperature to form fermented product. The fermented product is distilled at a predetermined temperature followed by condensation to form condensed alcohol.Â The condensed alcohol is transferred into suitable containers for undergoing aging process followed by adjusting alcohol concentration at desired level and finally packed into suitable containers for secondary aging to form the alcohol (Naturo-hol).

No. of Pages : 15 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/08/2015
(21) Application No.4353/CHE/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : A DYNAMIC VOLTAGE CONDITIONING SYSTEM AND METHOD FOR MITIGATING VOLTAGE SAG OR VOLTAGE SWELL

(51) International classification :H03L
(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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1)LUPIN, Jean-Marc
2)GAILLA, Charles
3)CREMILLIEUX, Laurent
4)Chidanand Nandappa Burji
5)Manasa Anugonda

(57) Abstract :
A device and method for mitigating a voltage sag/swell using a Dynamic voltage conditioning system is disclosed. The method includes (i) detecting, by a detection unit, the voltage sag/swell in a mains supply voltage received from an input power source based on a Root Means Square (RMS) value of each phase of said mains supply voltage, (ii) freezing, by a Phase Locked Loop (PLL), a pre-fault phase angle when said voltage sag/swell detection in the detection unit and (iii) compensating, by a control unit, said voltage sag/swell detected in the detection unit by reestablishing a load voltage based on pre-fault phase angle. Figure lA

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.1887/CHENP/2009 A
(19) INDIA
(22) Date of filing of Application :03/04/2009
(43) Publication Date : 24/02/2017

(54) Title of the invention : A SUBSCRIBER STATION APPARATUS FOR SET MANAGEMENT IN A BROADCAST COMMUNICATION SYSTEM

(51) International classification :H04Q 03/00
(31) Priority Document No :09/933,607
(32) Priority Date :28/08/2001
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US02/26036
Filing Date :15/08/2002
(87) International Publication No :WO/2003/017713
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :373/CHENP/2004
Filed on :15/08/2002

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1)CHEN, TAO,
2)BUTLER, BRIAN, K;
3)TIEDEMANN, EDWARD, G; JR;
4)SINNARAJAH, RAGULAN,
5)WANG, JUN,

(57) Abstract :
ABSTRACT "A SUBSCRIBER STATION APPARATUS FOR SET MANAGEMENT IN A BROADCAST COMMUNICATION SYSTEM" A subscriber station apparatus for set management in a broadcast communication system, comprising: means for receiving a first list identifying a first set of sectors; means for measuring a quality metric of a forward link transmitted by each identified sector; means for removing from said first list an identifier of a sector whose measured quality metric exceeds a first predetermined level by a predetermined value; means for placing the identifier of the sector into a second list; means for generating a third list identifying a third set of sectors identifying all sectors unlisted in the first set or the second set; means for removing from the third set an identifier of a sector whose measured quality metric exceeds the first predetermined level by a predetermined value; and means for placing the identifier of the sector in the second list. (Figure |)

No. of Pages : 39 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(21) Application No.203/CHE/2009 A
(19) INDIA
(22) Date of filing of Application :29/01/2009
(43) Publication Date : 24/02/2017

(54) Title of the invention : VACUUM CARTRIDGE FOR AN ELECTRICAL SWITCHGEAR UNIT PERFORMING AT LEAST THE DISCONNECTING SWITCH FUNCTION

(51) International classification	:H01M 8/00
(31) Priority Document No	:08 00518
(32) Priority Date	:31/01/2008
(33) Name of priority country	:France
(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)SCHELLEKENS, HANS,
2)CARDOLETTI, OLIVIER,

(57) Abstract :
ABSTRACT VACUUM CARTRIDGE FOR AN ELECTRICAL SWITCHGEAR UNIT PERFORMING AT LEAST THE DISCONNECTING SWITCH FUNCTION The present invention relates to a vacuum cartridge A for an electrical switchgear unit comprising, housed in an enclosure (1) of substantially cylindrical shape closed by two end-plates (3,4), a first stationary contact (13) of substantially annular shape fitted substantially in the centre of the cartridge A and extending radially inside the cartridge, a second stationary contact (16) securedly attached to one of the end-plates (3,4) of the cartridge and extending in a direction substantially parallel to the axis X of the cartridge A. and a movable contact (15) slidingly mounted through the other (4) of the two end-plates and extending in a direction substantially parallel to the axis of the cartridge, one (13) of the stationary contacts being electrically connected to the earth of an external circuit, the other (16) of the stationary contacts being electrically connected to the source (or to the feeder) of said circuit and the movable contact (15) being electrically connected to the feeder (or respectively to the source) of said circuit, said movable contact (15) being movable between a contact position with one (13) of the stationary contacts and a contact position with the other (16) of the stationary contacts. This device is characterized in that the bearing surface S of the movable contact (15) on the first stationary contact (13) is crescent-shaped. (Figure 2)

No. of Pages : 16 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4367/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :20/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : L-ART (LIFE ART) TAILOR MADE CHAIR CUM BED AS PER USER'S BODY-ANATOMY

(51) International classification :A61G7/00
(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)ENG.PRABHAKARAN G.

(57) Abstract :
Tailor made furniture as per user"s body anatomy which can be used as a multi purpose chair cum bed assembly to assist humans for easy and stress free relaxation, reading, laptop operations and cohabitation.

No. of Pages : 17 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/08/2015
(21) Application No.4369/CHE/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : A- MOO3 THIN FILM AS A HIGHLY SELECTIVE VAPOUR SENSOR

(51) International classification :C23C
(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)JEYAPRAKSH, B.G.
2)PANDEESWARI, R.

(57) Abstract :
a- MoO3 THIN FILM AS A HIGHLY SELECTIVE VAPOUR SENSOR Abstract Of The Invention The present invention relates to spray deposited nanostructured molybdenum trioxide thin film as a harmful vapour sensor at room temperature. In particular, the present invention relates to a spray deposited nanostructured molybdenum trioxide thin film as a room temperature vapour sensor for selective detection of formaldehyde vapour from a mixture of harmful vapours.

No. of Pages : 44 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/08/2015

(21) Application No.4305/CHE/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : PROCESSES FOR PREPARATION OF SELEXIPAG AND ITS AMORPHOUS

(51) International classification	:C07D 471/00
(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)BHASKAR KANDAGATLA
3)VILAS HARESWHAR DAHANUKAR
4)KRISHNARAO CHINTADA

(57) Abstract :
The present application relates to processes for preparation of Selexipag, its amorphous form, amorphous solid dispersion and pharmaceutical composition thereof.

No. of Pages : 31 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/08/2015
(21) Application No.4400/CHE/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : â€œMethod for automatically focusing Region of Interest in electronic deviceâ€ •

(51) International classification	:H04B 1/00	
(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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3)Jin Hee Na
4)Pyo Jae Kim
5)Ritesh Mishra

(57) Abstract :
ABSTRACT Embodiments herein provide a method for automatically focusing a region of interest (ROI) in an electronic device. The method includes determining, by a sensor unit in the electronic device, at least one candidate ROI in a Field of View (FOV) of the sensor unit and a depth level of the at least one candidate ROI. Further, the method includes displaying, by the sensor unit, at least one indicia for the at least one candidate ROI, where the indicia indicates the depth level of the at least one candidate ROI. FIG. 9

No. of Pages : 45 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/08/2016
(21) Application No.201644028238 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : SHEET STACKER

(51) International classification :B65H 31/00
(31) Priority Document No :201520628954.7
(32) Priority Date :19/08/2015
(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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(72)**Name of Inventor :**
1)ADAMI, Mauro

(57) Abstract :
A sheet stacking apparatus is disclosed. The apparatus (1) comprises a sheet conveyor (11) arranged and configured for feeding a plurality of sheets (SS) in succession, said sheet conveyor having a sheet discharge end (73). The sheet stacking apparatus further comprises a stacking bay (15), comprised of a stack- ing surface (17), whereon sheets delivered by the sheet conveyor are formed in-to stacks; the stacking surface being provided with a lifting and lowering movement. The discharge end of the sheet conveyor is provided with a lifting and lowering movement (fi). Moreover, the discharge end (73) of the sheet feed conveyor is mechanically coupled to the stacking surface (17) and to a driving actuator (71), such that said driving actuator controls a simultaneous lifting movement of the discharge end (73) of the sheet conveyor (11) and a lowering movement of the stacking surface (17), and vice-versa. (Fig.7)

No. of Pages : 25 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/08/2015
(21) Application No.4301/CHE/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : Method for PDCP control PDU transmission by User Equipment (UE)

(51) International classification	:H04L 1/00
(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)Sivashankar Sekar
3)Ankit Srivastav

(57) Abstract :
ABSTRACT Embodiments herein provide a method for a Packet data convergence protocol (PDCP) control Protocol data unit (PDU) transmission by a User Equipment (UE) configured with an UpLink (UL) split bearer. The method includes transmitting, by the UE, the PDCP Control PDU on one of a link associated with the master eNB and a secondary eNB based on one or more UL grant availability, a Buffer status report (BSR) after one of a handover, reconfiguration of a PDCP entity, a PDCP data recovery and reestablishment of a PDCP entity, and status of Discontinuous Reception (DRX) cycle of a link. Further, the method includes detecting that the PDCP UL data buffered for a bearer exceeds a threshold level and transmitting, by the UE, the PDCP Control PDU on a link associated with the master eNB. FIG. 3

No. of Pages : 52 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/08/2015
(21) Application No.4403/CHE/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : REBUILDING STORAGE VOLUMES

(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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(57) Abstract :
As attached.

No. of Pages : 26 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4385/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :21/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : VIRTUAL MACHINE STORAGE MANAGEMENT

(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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(57) Abstract :
As attached.

No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/08/2015
(21) Application No.4387/CHE/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : VERTICAL ADJUSTMENT MECHANISM FOR GLASS WINDOW IN PASSENGER VEHICLES

(51) International classification :B60P3/00
(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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5)A.V.BALAN
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2)S.MAGIBALAN
3)M.MURUGA PRASATH

(57) Abstract :
The work based on developing an adjustment arrangement of window glass enclosed on a frame structure at the edges mainly suited for passenger vehicles. There is a pin mounted on opposite ends of the edge attached with the glass in a closed chambered setup. This chamber situated at the bottom of the glass where the pin set sheltered on the holes provided inside the frames. The both ends of extending pin at either edge is supported with a compression spring are connected with a cable. The handle for lifting the window is usually set at an inclined position like a handle of suitcase where the extension of the handle at both side is meshed between fixed holes of the cavity. There is a hollow section found at the mid portion of the handle where the cable is enclosed over it. While tilting the handle for lifting the window, the cable is subjected to a pull which makes the pin to come inwards. There will be no contact of the pin with the holes enclosed in the frame. Further glass will be free to move upside and down. Desired position of the glass is located then releasing the handle will enable the pin to set mesh with the holes of the frame.

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4344/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :19/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : ALL TERRAIN TRAVEL BAG WITH TRACK WHEEL AND SUSPENSION

(51) International classification	:A45F 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

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(72)**Name of Inventor :**
1)KUMAR, Ashish

(57) Abstract :
The present disclosure relates to a luggage that can include a side assembly and a bottom assembly connected with each other to enable smooth dragging of luggage on stairs. Side assembly can include a telescope which houses handle and also assembles wheel support structures on either side that include wheels at upper end and lower end. Lower ends of wheel support structures are connected by a cross bar. The wheels on a support structure can have track belt running over them Bottom assembly can include shock absorber vertically connected to the cross bar. The wheel support structures along with wheels and cross bar can be deployed or retracted and shock absorber will be in action in deployed condition.

No. of Pages : 17 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4345/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :19/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : COMPOUNDS AS MODULATORS OF TUMOR NECROSIS FACTOR, METHODS AND APPLICATIONS THEREOF

(51) International classification :A61K
(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)CHAKRABHAVI DHANANJAYA MOHAN
4)SHOBITH RANGAPPA
5)HOSADURGA KUMAR KEERTHY
6)GAUTAM SETHI
7)ANDREAS BENDER
8)KESTURU SUBBAIAH GIRISH
9)JULIAN FUCHS
10)MAHALINGAM SHANMUGA SUNDARAM
11)FENG LI
12)KODAPPULLY SIVARAMAN SIVEEN

(57) Abstract :
The present disclosure relates to modulators of tumor necrosis factor, methods and applications thereof. In particular, the present disclosure relates to (3-((2-butyl-4-chloro-1H-imidazol-5-yl)(4-hydroxy-2-oxo-2H-chromen-3-yl)methyl)-4-hydroxy-2H-chromen-2-one (i.e. BIHC), its synthesis and its activity as a tumor necrosis factor (TNF- a) inhibitor or blocker.

No. of Pages : 51 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4346/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :19/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : A COMPOSITION COMPRISING CRITHMUM MARITIMUM EXTRACT, AND SCUTELLARIA BAICALENSIS EXTRACT FOR INHIBITING GLYCATION AND USES THEREOF

(51) International classification :A61K
(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)AGARWAL, Sakshi
2)KHAN, Manisha
3)HASSAN, Sarah
4)PHULERA, Sumit

(57) Abstract :
The present disclosure composition comprising an extract of a plant material of a plant Crithmum maritimum and an extract of a plant material of a plant Scutellaria baicalensis for inhibition of glycation.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4347/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :19/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : A COMPOSITION COMPRISING PHYTIC ACID, AND (R)-(-)-2-OXOTHIAZOLIDINE-4-CARBOXYLIC ACID FOR INHIBITING GLYCATION AND USES THEREOF

(51) International classification :A61K
(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)HASSAN, Sarah
4)PHULERA, Sumit

(57) Abstract :
The present disclosure composition comprising phytic acid and (R)-(-)-2-oxothiazolidine-4-carboxylic acid for inhibition of glycation.

No. of Pages : 22 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(21) Application No.867/CHE/2004 A
(19) INDIA
(22) Date of filing of Application :27/08/2004
(43) Publication Date : 24/02/2017

(54) Title of the invention : GSM FIXED WIRELESS PHONE AND TERMINAL

(51) International classification	:H04M 11/00
(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)SOMASUNDARAM RAMKUMAR

(57) Abstract :
The facility of incorporation of one or multiple number of simcards can be selectively activated and can transreceive the signals from the GSM mobile company tower or can simultaneously activated and can transreceive the signals from the multiple number of GSM mobile companies towers at a time in a GSM fixed wireless phone set which has a handset and / or wireless handset and also in a GSM fixed wireless terminal.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/03/2016
(21) Application No.201647008394 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : ROTATION SUPPORT DEVICE

(51) International classification :F16C17/10,F16C33/10,F16C33/20
(31) Priority Document No :1020150116460
(32) Priority Date :19/08/2015
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2016/000546
Filing Date :19/01/2016
(87) International Publication No :WO 2016/076682
(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 :12, Sandan 4-gil, Seo-myeon, Suncheon-si, Jeollanam-do 57927 Republic of Korea
(72)**Name of Inventor :**
1)KANG Moon Sig
2)SONG Kem Suk

(57) Abstract :
Disclosed is a rotation support device. The rotation support deviceÂ according to the present inventionÂ comprises: an outer case; a rotor which is rotatably provided inside the outer caseÂ is provided such that a rotation shaft can be inserted thereinÂ and can rotate in an interlocked manner when the rotation shaft rotates; and a plurality of rolling balls provided at a section where the outer case and the rotor touch one anotherÂ orÂ a plurality of recessed parts which are formed as recessed parts in the surface of the rotor and in which a lubricant can be placed.

No. of Pages : 32 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(21) Application No.2883/CHE/2011 A
(19) INDIA
(22) Date of filing of Application :24/08/2011
(43) Publication Date : 24/02/2017

(54) Title of the invention : MULTIPLE SLIDE SELECTOR ACTUATOR FOR USE IN REFRESHABLE BRAILLE DISPLAYS

(51) International classification :G09B
(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)D'SOUZA PAUL GERARD

(57) Abstract :
A multiple slide selector actuator for use in refreshable Braille displays comprises a mass sliding carriage having symmetrically spaced parallel slots along the lateral axis. A plurality of slide elements are slidably disposed in the parallel slots on the sliding carriage. Based on the input from attached computing device, the slide selector disposed under each cavity on the sliding carriage either engages with the point of engagement on the slide element or disengages with the point of engagement on the slide element. While operating, the entire sliding carriage moves as a single unit while individual slide selectors engage and disengage selected slide elements. These slide elements can be used to drive or control various types of mechanical Braille display devices.

No. of Pages : 23 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4279/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :17/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : ACTIVE SPRING SUSPENSION SYSTEM USING A FLUID

(51) International classification	:B60G 11/00	(71)**Name of Applicant :**
(31) Priority Document No	:NA	**1)Dhanush Shenoy V**
(32) Priority Date	:NA	Address of Applicant :S/o Laxmikanth Shenoy V VLK Compound, Near VJ College Main Road, Vittal â€“ 574243, Karnataka, India. Karnataka India
(33) Name of priority country	:NA	**2)Nagendraprajwal M**
(86) International Application No	:NA	(72)**Name of Inventor :**
Filing Date	:NA	**1)Dhanush Shenoy V**
(87) International Publication No	: NA	**2)Nagendraprajwal M**
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
ABSTRACT A suspension system comprising a tubular chamber filled with a fluid, a piston with a piston head and a piston rod at one end of the chamber, a first suspension coupled to the piston head inside the chamber and a second suspension coupled to the other end from outside the chamber, wherein the first suspension is operable by movement of piston head and the fluid displacement within the chamber. The first suspension is operative to a first impact force up to a first threshold while the second suspension is operative to a second impact force greater than the first threshold. The second impact force blocks the fluid displacement and prevents the movement of the piston head within the chamber that transfers the second impact force to the second suspension.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4374/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :21/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : APPARATUS AND METHOD FOR HYBRID COMBUSTION IN ENGINES USING HYDROGEN GAS FOR VEHICLES

(51) International classification	:C25B	(71)**Name of Applicant :**
(31) Priority Document No	:NA	**1)P.LAKSHMANAN**
(32) Priority Date	:NA	Address of Applicant :RVS EDUCATIONAL TRUSTS
(33) Name of priority country	:NA	GROUP OF INSTITUTIONS RVS NAGAR, KARUR ROAD,
(86) International Application No	:NA	DINDIGUL - 624005. TAMIL NADU. Tamil Nadu India
Filing Date	:NA	**2)DR. P.VELMURUGAN**
(87) International Publication No	: NA	**3)DR. R.SARAVANAN**
(61) Patent of Addition to Application Number	:NA	(72)**Name of Inventor :**
Filing Date	:NA	**1)P.LAKSHMANAN**
(62) Divisional to Application Number	:NA	**2)DR. P.VELMURUGAN**
Filing Date	:NA	**3)DR. R.SARAVANAN**

(57) Abstract :
The invention discloses an apparatus and method for hybrid combustion in engines using hydrogen gas for vehicles. Using a small amount of electric current from the vehicle battery, water molecules are broken apart inside a hydrogen generator through a process of electrolysis, and that reduces water to its component parts, oxygen and hydrogen. That hydrogen is known as brown gas or Brownâ€™s gas. When it combines with gasoline, it improves the combustion (or burning) dramatically. Thereby, it reduces the petrol consumption and improves the mileage of the vehicle. Fig. 4

No. of Pages : 25 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4308/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :18/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : SYSTEM AND METHOD FOR DETERMINING OPTIMAL PLACEMENT OF TELECOMMUNICATION EQUIPMENT

(51) International classification	:H04B 10/00
(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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Address of Applicant :Plot No. 25, JP Software Park, Electronics City, Phase-1, Hosur Road, Bangalore - 560 100, Karnataka, India Karnataka India
(72)**Name of Inventor :**
1)MADAIAH, Vinod Kumar
2)ARALIKATTI, Rohith C

(57) Abstract :
Aspects of the present disclosure provide systems and methods for determining placement of telecommunication equipment so as to minimize network cost, maximize network utilization, and meet Service Level Agreements (SLA) for the given network topology and demand requirements. Systems and methods of the present disclosure can be configured to determine minimum number of telecommunication equipment and placement thereof by constructing, based on a given network topology and service requirement, using a heuristic algorithm, an initial population of possible solutions, iterating over the possible solutions to increase optimality of solution based on any or a combination of cost of placement of the one or more telecommunication equipment and number of telecommunication equipment to be placed, and identifying most optimal solution for the placement of the one or more telecommunication equipment.

No. of Pages : 32 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/08/2015
(21) Application No.4309/CHE/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : EXTENSIBILITY OF BUSINESS LOGIC SHARED ACROSS A BUSINESS PROCESS ORCHESTRATION ENGINE, A RULE ENGINE, AND A USER INTERFACE

(51) International classification	:G06F 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

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)Abhijit Anirrudha Rajwade
2)Steve Wong
3)David Lawrence Shapiro
4)Jiayi Gu
5)Girish Kumar Gupta
6)David T. Sulcer

(57) Abstract :
In one general aspect, a method can include creating an action, the creating including annotating a block of code with metadata, and encapsulating the annotated block of code into a reusable building block of code. The method can further include publishing the action, the publishing including registering the action in a service registry. The method can further include dynamically discovering the action in the service registry by an application during runtime, invoking the action by the application, and executing the action by the application, the executing performing a method specified by the action.

No. of Pages : 39 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(21) Application No.1969/CHENP/2009 A
(19) INDIA
(22) Date of filing of Application :09/04/2009
(43) Publication Date : 24/02/2017

(54) Title of the invention : AN APPARATUS, A SYSTEM AND A METHOD FOR ENABLING ELECTROMAGNETIC ENERGY TRANSFER

(51) International classification :G06M 1/18
(31) Priority Document No :06120840.1
(32) Priority Date :18/09/2006
(33) Name of priority country :EPO
(86) International Application No :PCT/IB2007/053653
Filing Date :11/09/2007
(87) International Publication No :WO/2008/035248
(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 :GROENEWOUDSEWEG 1 NL-5621 BA EINDHOVENÂ NETHERLANDS Netherlands
(72)**Name of Inventor :**
1)WAFFENSCHMIDTÂ Eberhard
2)FALCK Thomas
3)ROGLER Dietrich

(57) Abstract :
The apparatus 10 for electromagnetic energy transfer comprises a charging fixture 1 with a contact surface 4 and a generator coil 2 forming a resonator circuit with a capacitance. The charging fixture 1 is preferably arranged as an elongated bar whereon a plurality of chargeable electronic devices 5 can be arranged. In order to implement electromagnetic energy transfer from the charging fixture 1 to the electronic device 5 the latter has to be arranged with a pick-up circuit for generating secondary alternating current in a loop, preferably a secondary resonator circuit. In order to fix a position of the electronic device 5 on the charging bar 1, the charging bar is preferably arranged with a projection 3 extending in a plane of the contact surface 4. The electronic device 5 can be shaped to be hanged on the projection and removed from it in accordance with arrow 6. FIG. 1

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4287/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :17/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : AN UNDER-ACTUATED FINGER MECHANISM WITH MOTION AND FORCE AUGMENTATION CAPABILITY

(51) International classification :B25J15/00
(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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(72)**Name of Inventor :**
1)DR. M THANGAVEL
2)S. NATARAJAN

(57) Abstract :
This invention is related to an underactuated finger with force and motion augmentation capabilities and is evolved for the artificial hand/gripper. This finger has five degrees of freedom mechanism after assembly, it is operated by a single "actuator-. The additional two degree"s of freedom are passively controlled by restraining springs (restrained by springs) enables the finger to adapt object geometry variation and make the hand constructed using these fingers capable of effecting pinch and power grasping. Under no load condition (during approach) the finger moves freely with motion augmentation and reaches the object boundary quickly. Upon finger contact with object, the movement of the finger comes to halt and gradual increase in force occurs due to the restrained movement of the slider controlled by the springs. As the slider moves along the slot provided in the ternary link, the lever arm increases and the effective grasping force increases, with this design it is possible to apply a range of forces on objects of different weight but same size

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4399/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :21/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : â€œMETHOD AND SYSTEM FOR MEASURING AND CALCULATING DELAY IN BOTH DL A D UL DIRECTIONSâ€ •

(51) International classification	:H04W 72/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority cou try	: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)Fasil Abdul Latheef
2)Neha Sharma

(57) Abstract :
ABSTRACT Method for reporting latency of packet transmission in communication network Method for reporting latency of packet transmission in a communication network. The method includes receiving by an entity an UL packet from a UE at a first time unit, wherein the UL packet includes a second time unit at which the packet is sent from the UE. Measuring by the entity a latency in transmission of the packet based on a time difference between the first time unit and the second time unit and performing by the entity at least one action based on the latency.Receiving by a UE a DL packet from an entity at a first time unit, wherein the DL packet comprises a second time unit at which the packet is transmitted from the entity. Measuring by the UE a time difference between the first time unit and the second time unit for the DL packet. Reporting by the UE a latency report to the entity. FIG. 3

No. of Pages : 63 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/08/2015
(21) Application No.4312/CHE/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : SAFE ELECTRONIC REGULATOR FOR SPEED CONTROL OF CEILING FANS

(51) International classification	:H02H 7/00
(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)G.EZHILARASAN
3)M.JAGADEESH KUMAR
(72)**Name of Inventor :**
1)G.EZHILARASAN
2)M.JAGADEESH KUMAR

(57) Abstract :
A safe electronic fan speed regulator for ceiling fans provided with safety features to protect the TRIAC from burning out due to the fault in the regulator or fault in the fan itself because of the short circuits. The primary invention aims at protecting the regulator from any fire accidents by providing a suitably designed snubber circuit across the TRIAC. It is also added with fuse unit before the load itself to protect the power circuit module.

No. of Pages : 15 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/08/2015
(21) Application No.4313/CHE/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : A NOVEL BIOCOMPATIBLE SUSTAINED-RELEASE NANO-PARTICLE PHARMACEUTICAL FORMULATION AND METHOD OF PREPARATION USING BASELLA ALBA AND CHITOSAN AS MATRIX FORMERS

(51) International classification :A61K
(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)SHANMUGANATHAN SEETHARAMAN
3)GOWTHAMARAJAN KUPPUSAMY
4)THYAGARAJAN SADRAS PANCHATCHARAM

(57) Abstract :
APPLICANT: SRI RAMACHANDRA UNIVERSITY TITLE: A NOVEL BIOCOMPATIBLE SUSTAINED-RELEASE NANO-PHARMACEUTICAL FORMULATION AND METHOD OF PREPARATION USING BASELLA ALBAÂ AND CHITOSAN AS MATRIX FORMERS ABSTRACT The present invention relates to a novel biocompatible sustained-release nano-particle pharmaceutical formulation and method of preparation thereof. The formulation comprises of at least one therapeutic drug entrapped in a bio degradable antimicrobial activity exhibiting polymeric carrier to form a polymer nano-carrier system. The formulation is characterized in the bio degradable polymer comprising of chitosan as cationic polymer andÂ polysaccharides extracted from Basella alba leaf mucilage as an anionic polymer in which the therapeutic drug is complexed with the polymer thereby it retains the biological activity of the drug. The present invention also discloses the process of production of novel biocompatible sustained-release nano-particle pharmaceutical formulation by the modified coacervation method using polysaccharides extracted from Basella alba leaf mucilage as anionic polymer with chitosan as cationic polymer at different concentrations of polymeric solutions as matrix formers to sustain the drug release and thus bioavailability and therapeutic efficacy of the drug can be enhanced.

No. of Pages : 30 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4314/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :18/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : TAIL COVER ASSEMBLY

(51) International classification	:H01R 12/00
(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)TVS MOTOR COMPANY LIMITED
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(72)**Name of Inventor :**
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2)RAVISANKAR RAJAMANI
3)AROMAL VISWANADHAN
4)MANIVANNAN THIRUMAL
5)GOKA RAVI KUMAR BALU
6)VENKATESAN JAYARAMAN

(57) Abstract :
The present subject matter relates to a tail cover assembly for a sadly type motorcycle. The tail cover assembly includes a RH tail cover (301) and a LH tail cover (302). The RH tail cover (301) and the LH tail cover (302) extend beyond a seat assembly (303) in a vehicle width direction such that the said RH tail cover (301) and said LH tail cover (302) each include a curvature (305) comprising an upper edge (305a), an inner edge (305b) and a soft curve (305c) adjoining said upper edge (305a) and said inner edge (305b), said inner edge (305b) is capable of being accommodated inside a groove (304a) adjoining a seat base edge (304b) such that said seat base edge (304b) is sandwiched between the inner edge (305b) and an outer edge (303a) of the seat assembly (303). <To be published with Fig. 3>

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.3134/CHE/2007 A
(19) INDIA
(22) Date of filing of Application :28/12/2007
(43) Publication Date : 24/02/2017

(54) Title of the invention : NOVEL OPTICAL CONCENTRATOR, SOLAR CELL MODULE USING THE SAME AND METHOD OF FABRICATION THEREOF

(51) International classification	:H01L 31/42
(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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2)AGARWAL NIKHIL
3)JINDAL RAJEEV
4)NYATI GIRIRAJ

(57) Abstract :
The invention discloses a solar cell module comprising at least one optical concentrator operatively connected to a photo active substrate, wherein the curved surface of said optical concentrator has a wide acceptance angle thereby causing superior concentration of incident solar beam on the said photoactive substrate. A super solar cell module comprising a plurality of solar cell modules is also disclosed . The present invention also discloses a method of fabricating a solar cell module. Fig 2.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4319/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :18/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : AUTOMATED BLOCKAGE PREDICTION AND SERVICE CONTINUITY IN A TELECOMMUNICATION NETWORK

(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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(72)**Name of Inventor :**
1)Diwakar Sharma
2)Karthik R M

(57) Abstract :
ABSTRACT A method and a system for providing services to User Equipments (UE) in a telecommunication network, based on blockage prediction. The system collects at least one parameter specific to the UE being monitored, as input. Further, by processing the input collected, the system generates a motion pattern for the UE. Further, by comparing the motion pattern with a zone map database, the system checks for possible occurrence of a blockage event that will affect signal strength, which in turn may result in the UE not receiving services temporarily. Upon detecting possible occurrence of such an event, the system triggers at least one preventive action. FIG. 3

No. of Pages : 26 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/08/2015
(21) Application No.4320/CHE/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : A KIND OF ECCENTRIC BUSHING MECHANISM FOR CONE CRUSHER

(51) International classification :B02C
(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)Chen Lianfang
2)Chen Lihua
3)Zhao Mengjun
4)Li Guoqiang
5)Chen Binmin

(57) Abstract :
The invention is applicable to the technical field of a constituent component of a cone crusher and discloses an eccentric bushing mechanism of the cone crusher. The mechanism comprises a bearing base, an eccentric bushing disposed inside the bearing base, a bearing sleeve which is sleeved in the eccentric bushing, an upper bearing and a lower bearing, wherein an eccentric step is disposed on one side inside the eccentric bushing, an inner ring spacer bush and an outer ring spacer bush are also disposed between the upper bearing and the lower bearing, and an eccentric part is also disposed between the inner ring spacer bush and the outer ring spacer bush. The eccentric bushing mechanism for a cone crusher provided by the invention has a rational structure, wherein the inner ring spacer bush and the eccentric part contacted to the eccentric bushing are used, so that the whole eccentric bushing mechanism can be divided into multiple mutually-independent components. In this way, when the eccentric bushing is worn, only relevant components need to be replaced, maintenance cost is reduced. Meanwhile, multiple positioning components are used, stability of bearing motions is guaranteed, accuracy of axial motions is increased, and thus production efficiency of the cone crusher is increased.

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.1938/CHENP/2009 A
(19) INDIA
(22) Date of filing of Application :08/04/2009
(43) Publication Date : 24/02/2017

(54) Title of the invention : AUTOMATIC PACKET TAGGING

(51) International classification :B65D 23/14
(31) Priority Document No :06120770.0
(32) Priority Date :15/09/2006
(33) Name of priority country :EPO
(86) International Application No :PCT/IB2007/053633
Filing Date :10/09/2007
(87) International Publication No :WO/2008/032256
(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)MOONENÂ JanÂ R.

(57) Abstract :
A network device is arranged for coupling to a first network segment (18) to a second network segment (17), and has a transfer unit (23) for transferring data packets between the first and second network segments. The device has a determining unit (24) for determining a service requirement for a received data packet for accommodating the service requirement in the second network segment. A source of the received data packet in the first network segment is detected. Based on priority criteria and content type criteria a type of service is tagged to the data packet in dependence of the source. The transfer unit is arranged for accommodating the type of service in the second network segment. Advantageously a bridge is formed for transferring data packets that are unaware of quality of service to a network segment that operates according to quality of service requirements. FIG. 1

No. of Pages : 26 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4382/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :21/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : ADDRESS RESOLUTION FOR ROUTING

(51) International classification :H01J
(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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(57) Abstract :
As attached.

No. of Pages : 26 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/04/2009
(21) Application No.2052/CHENP/2009 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : ADVANCED COMPUTER-AIDED DIAGNOSIS OF LUNG NODULES

(51) International classification :G06F 17/00
(31) Priority Document No :60/826602
(32) Priority Date :22/09/2006
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2007/053776
Filing Date :18/09/2007
(87) International Publication No :WO/2008/035286
(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)POWELL Charles
6)BORCZUK Alain
7)KAWUT Steven

(57) Abstract :
Methods are herein provided for decision support in diagnosis of a disease in a subject, and for extracting features from a multi-slice data set. Systems for computer-aided diagnosis are provided. The systems take as input a plurality of medical data and produces as output a diagnosis based upon this data. The inputs may consist of a combination of image data and clinical data. Diagnosis is performed through feature selection and the use of one or more classifier algorithms. FIG. 1

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4329/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :19/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : ANTI-THEFT SYSTEM FOR A VEHICLE

(51) International classification :G08B
(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)SAMRAJ JABEZ DHINAGAR

(57) Abstract :
The present invention is a vehicle security system for anti-theft measures. The system utilizes the available pulser coil/pick up coil in any given vehicle platform. The system control unit is connected to the alarm unit that consists of lamp loads and siren alarm for the audible alert. The pulser coil is connected to the control unit that includes a microcontroller that is provoked by the system movement. Then the microcontroller checks for authentication if not successful actuates the lamp and siren at a predetermined frequency to visually and audibly alert the surrounding of the theft. The system control unit is always powered irrespective of the condition of the vehicle to recognize quickly the movement sense and other security feature inputs at a very low power mode. Figure 1

No. of Pages : 20 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/04/2009
(21) Application No.2040/CHENP/2009 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : ILLUMINATION SYSTEM, LUMINAIRE AND DISPLAY DEVICE

(51) International classification :G12B 11/00
(31) Priority Document No :06120897.1
(32) Priority Date :19/09/2006
(33) Name of priority country :EPO
(86) International Application No :PCT/IB2007/053699
Filing Date :13/09/2007
(87) International Publication No :WO/2008/035256
(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)IJZERMANÂ WillemÂ L.
2)CORNELISSEN Hugo J.

(57) Abstract :
The invention relates to an illumination system (4) comprising at least one light source (10) for emitting light of a predominant wavelength (W), and a light-transmitting panel (14) which comprises a light-emitting window (16), a rear wall (18) situated opposite said light-emitting window, and edge walls (20) extending between the light-emitting window and the rear wall. Light from the LED is coupled into the light-transmitting panel and is transported substantially via total internal reflection. The rear wall is provided with a two-dimensional array of recesses (22, 24). A sub-set of recesses (22) is distributed substantially regularly on the rear wall. Each recess (22A, 22B, 22C) from the sub-set (22) comprises scattering material (26). When light from the light-transmitting panel reaches the scattering material of the recess, part of the light (Wâ€™) is coupled out of the light-transmitting panel via scattering. FIG. 1C

No. of Pages : 27 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/08/2015
(21) Application No.4395/CHE/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : CALIBRATION METHOD AND TOOL FOR VIDEO AIDED MEDICAL IMAGING SYSTEMS

(51) International classification	:G06F 19/00
(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)Nikunj Hemant Desai
2)Aditya Bharadwaj
3)Gaurav Sharma

(57) Abstract :
ABSTRACT Methods and systems for visual feedback based calibration of a medical imaging system are described. A method includes projecting one or more key points of a target area (real world) of the medical imaging system as an overlay on the visual feedback frame, wherein the visual feedback frame is an image of the target area captured by an imaging device of a visual feedback system. One or more key points of the target area are then located on the visual feedback frame. Further, the method includes improving calibration accuracy of the medical imaging system by minimizing difference between one or more projected key points and one or more key point located on the visual feedback frame below a predefined threshold. The difference is minimized based on an iterative error correction mechanism. FIG. 1

No. of Pages : 25 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4965/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :18/09/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : AUTONOMOUS INDEPENDENTLY MANAGED SWARM OF UNMANNED VEHICLES

(51) International classification :G05D 1/00
(31) Priority Document No :4281/CHE/2015
(32) Priority Date :17/08/2015
(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 :4281/CHE/2015
Filed on :01/01/1900
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)Omprakash N Sringeri

(57) Abstract :
ABSTRACT According to one aspect, for the navigation of drones swarm or mission pattern is generated. Based on the desired generated pattern, time space diagram is further generated that provides the position information of all the drones for the entire mission time period. The command data such as speed, orientation, thrust, altitude gain, etc. are calculated based on the position information with respect to time. The master configuring unit uploads the position information and command data to the drones. According to another aspect, the clocks are initiated in all the drones by setting the precision, clock frequency and width. When the clock signals of all the drones are synchronized, all the drones are launched. The drones navigate independent of each other without receiving any commands from the master configuring unit.

No. of Pages : 24 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4321/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :18/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : SYSTEM AND METHOD FOR MANAGING AND MONITORING END-TO-END OPERATIONS OF A TELECOMMUNICATION NETWORK

(51) International classification :H04M
(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)Gopikrishna Chamallamudi
4)Bhanu Kumar Vedantam
5)Chandrasekhar Choudhury
6)Karthik Uppula
7)Tharun Kumar Vadlakonda

(57) Abstract :
Exemplary embodiments of the present disclosure are directed towards a method comprising displaying a map on at least one computing device for selecting a telecommunication network plan in a preferred geographical location through an application platform configured in a server unit and performing at least one of: creating the telecommunication network plan; updating the telecommunication network plan; and deleting the telecommunication network plan through the application platform.

No. of Pages : 29 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/08/2015
(21) Application No.4322/CHE/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : FILE REPOSITORY

(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)VERMA, Anupam

(57) Abstract :
Changes made to files may be tracked in a file repository.Â When a file is downloaded, the repository may be searched to determine if a previous file matches the file to be downloaded.

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4331/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :19/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : HOLDER FOR SENSING ELEMENT WITH MAGNET IN AXIAL SENSOR

(51) International classification	:G01D 5/00	(71)**Name of Applicant :**
(31) Priority Document No	:NA	**1)Pricol Limited**
(32) Priority Date	:NA	Address of Applicant :CPM Towers, 109, Race Course, Coimbatore. Tamil Nadu India
(33) Name of priority country	:NA	(72)**Name of Inventor :**
(86) International Application No	:NA	**1)Suresh.T**
Filing Date	:NA	**2)Siby E.Varghese**
(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 present invention relates to a holder for sensing element with magnet in axial sensor. The device is used to sense the rotational speed, position and direction of ferromagnetic wheel. The device comprises a holder [1] for accommodating a sensing element [2] and a magnet [3]. The sensing element [2] and magnet [3] are accommodated within the holder [1] by snap lock. The holder [1] according to the present invention ensures pre-determined gap between the magnet [3] and sensing element [2] and parallelism of the sensing element [2] to the target to be sensed.

No. of Pages : 13 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/04/2009
(21) Application No.2190/CHENP/2009 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : TEMPERATURE CONTROL OF PATIENTS DURING SURGERY

(51) International classification :A 61 N 05/06
(31) Priority Document No :60/826,814
(32) Priority Date :25/09/2006
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2007/053825
Filing Date :20/09/2007
(87) International Publication No :WO/2008/038198
(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)VAN PIETERSON Liesbeth
3)LUCASSEN Gerhardus Wilhelmus

(57) Abstract :
An infrared radiant heating system for raising or maintaining a uniform core temperature of the body of a patient during surgery, substantially without affecting the temperature of the area surrounding the patient""s body, comprising: infrared radiant heating means which in use is located in an unobtrusive position near the patient to provide radiant heat to the entire body or one or more parts of the body of the patient; and control means in communication with the heating means for controlling the intensity level and distribution of intensity of the radiant heat on the patient""s body such that in use the skin temperature of the patient""s body is raised or maintained within a predetermined range resulting in the uniform core body temperature, substantially without affecting the temperature of the area surrounding the patient""s body. Fig.1

No. of Pages : 20 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4341/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :19/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : AN APPARATUS AND A METHOD THEREWITH TO QUANTIFY VISUAL PATTERNS IN INFANTS

(51) International classification :G01N
(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)B Karthik Reddy
3)Dhruv Joshi
4)Nidumolu Koundinya
5)Sourav Datta

(57) Abstract :
The invention relates to an apparatus and a method therewith to quantify visual field in infants. The invention provides a novel solution to the unmet need of detection of defects in the visual field in infants and/ or babies and providing an apparatus with a software framework to minimize the errors of recording the readings and increasing their precision and analyzing said results automatically using the software embedded in the system. Said apparatus to quantify visual field in infants comprise of a light projection device onto a dome-shaped hemispherical structure with an infra-red camera along with fixation lights, a means for monitoring responses of the subject during testing, a means for recording and analyzing the readings. Said means to detect and record the eye/head movement in the subject during testing comprises said infra red (IR) camera connected to a device wherein software application is embedded.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/08/2015
(21) Application No.4362/CHE/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : NEW GENERATION OF CALCIUM PHOSPHATE BASED BIOCERAMIC SCAFFOLDS FROM SYNTHETIC INORGANIC PRECURSORS AND A PROCESS FOR THE PREPARATION THEREOF

(51) International classification	:A61L 27/00
(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)NIMMY MOHAN
3)SIVADASAN SURESH BABU

(57) Abstract :
This invention relates to a process for the preparation of a bioceramic scaffolds constituting highly oriented crystals with different morphologies and having a faster resoption rate than sintered hydroxyapatite prepared by conventional ceramic processing.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/08/2015
(21) Application No.4354/CHE/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : A METHOD AND A BATTERY SYSTEM FOR PREDICTING STATE OF CHARGE (SOC) OF A BATTERY

(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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(72)**Name of Inventor :**
1)Krishnan S Hariharan
2)Priya Gambhire
3)Taewon Song

(57) Abstract :
ABSTRACT A method for predicting a State of Charge (SoC) of a battery is provided. The method includes estimating an open circuit voltage (OCV) of the battery based on an OCV model. Further, the method includes predicting the SoC from the OCV based on functional dependence of the SoC on the OCV. The method identifies and models all processes that lead to capacity loss of continued cycling of batteries. From the current and voltage signals, the method to estimate OCV that results due to cycling is provided. The SOC on aging is re-calibrated from this estimated OCV. FIG. 1

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

(12) PATENT APPLICATION PUBLICATION
(21) Application No.4357/CHE/2015 A
(19) INDIA
(22) Date of filing of Application :20/08/2015
(43) Publication Date : 24/02/2017

(54) Title of the invention : DEVICE TO CONVERT WAVE ENERGY TO ELECTRICITY

(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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(72)**Name of Inventor :**
1)KRISHNAMURTHY. VISHWANATH

(57) Abstract :
The present invention deals jwith power generation from sea waves by a floating Buoy where in which a Flap type vertical plate is hinged beneath the Buoy, located at the center of the Buoy, and a Gear box or ariy Mechanical system is linked between the hinged vertical plate and the Buoy ,and power is absorbed from the relative movements of Buoy and the hinged plate . Where in the present system consists of a Gearbox fixed to the; hinged vertical plate. The Gear box consists of a Bevel gear (crown) meshed with a Bevel Pinion. And a crank fixed to the shaft of bevel gear is. Winged to the buoy by a connecting rod. Such that one end of the connecting rod is hinged to |the crank of Gear and the other end is hinged to the Buoy along the major axis of the Buoy j When the Buoy pitches up and down on the sea by the vertical waves of the sea the crank of the gear is pulled up and ;down by the connecting rod which rotates the pinion in both clockwise and anticlockwise directions . And the Gear box as a wholj? along with the flap plate which is hinged under the buoy is pushed front and back by horizontal wave energy(surge movement) by which the Gear box with the flap is oscillated "front and back along the hinged axis causing the pinion to rotate in clockwise and anticlockwise directions. This bidirectional rotation.of the pinion is transferred through a ball joint to a unidirectional gear box, where bidirectional rotation is converted to unidirectional rotation along with a increased speeS is got .This is coupled to a generator consisting of a flywheel to produce uniform power;

No. of Pages : 9 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(21) Application No.1915/CHENP/2009 A
(19) INDIA
(22) Date of filing of Application :01/04/2009
(43) Publication Date : 24/02/2017

(54) Title of the invention : CYCLOALKYLMETHYLAMINE DERIVATIVES AND METHOD OF SYNTHESIS THEREOF

(51) International classification :A61K 31/519
(31) Priority Document No :60/825,868
(32) Priority Date :15/09/2006
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2007/078682
Filing Date :17/09/2007
(87) International Publication No :WO/2008/034142
(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 :
ABSTRACT The present invention provides novel cycloalkylmethylamine analogs, and methods of preparing cycloalkylmethylamine analogs. The present invention also provides methods of using cycloalkylmethylamine analogs and compositions of cycloalkylmethylamine analogs. The pharmaceutical compositions of the compounds of the present invention can be advantageously used for treating and/or preventing obesity and obesity related co-morbid indications.

No. of Pages : 78 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/08/2015
(21) Application No.4318/CHE/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : A KIND OF NOVEL JAW CRUSHER

(51) International classification :B02C
(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)Chen Lianfang
2)Chen Lihua
3)Zhao Mengjun
4)Li Guoqiang
5)Chen Binmin

(57) Abstract :
The invention relates to the field of mining equipment and especially relates to a novel jaw crusher. The novel jaw crusher comprises a rack as well as driving set, a mobile jaw set, a discharge hole adjustment mechanism and a mobile jaw tensioning buffer mechanism disposed on the rack; the rack comprises a rack main body, a stationary jaw frame disposed on the front end inside the rack main body and a toggle plate frame disposed at the rear end inside the rack main body, wherein the mobile jaw set is installed on the rack main body between the stationary jaw frame and the toggle plate frame, and a crushing cavity is disposed between the mobile jaw set and the stationary jaw frame; the driving set is connected to the mobile jaw set by transmission, the discharge hole adjustment mechanism and the mobile jaw tensioning buffer mechanism are installed on the toggle plate frame, the front end part of the discharge hole adjustment mechanism is pressed against the mobile jaw set, and the front end part of the mobile jaw tensioning buffer mechanism is connected with the mobile jaw set; and the novel jaw crusher has the advantages of convenient adjustment of the mobile jaw set, steady rotation and swaying and good vibration reduction of the machine body.

No. of Pages : 28 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/08/2004
(21) Application No.856/CHE/2004 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : A DISPLAY CONTROLLER DESIGN WITH LOW RAM REQUIREMENT AND LOW CPU LOAD OVERHEAD

(51) International classification	:G09G 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

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1)MAHESH MALOO

(57) Abstract :
An improved method and system employing coding and decoding color information of a display controller when changing a highlighted area on a screen comprising the steps of: i) Identifying the co-ordinates for the area(s) to be highlighted. ii) Transmitting the co-ordinates (address range) to the RAM internal to FPGA. iii) FPGA bypasses video memory information (color index) and points to specific color index for the locations which lies with in the address range.

No. of Pages : 8 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/03/2015
(21) Application No.347/KOL/2015 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : A NONLINEAR ANALYTICAL METHOD AND SYSTEM FOR HYPERGRAPH PARTITIONING

(51) International classification	:G06F17/30	(71)**Name of Applicant :**
(31) Priority Document No	:NA	**1)Indian Institute of Technology Guwahati.**
(32) Priority Date	:NA	Address of Applicant :Indian Institute of Technology
(33) Name of priority country	:NA	Guwahati. Guwahati, Assam. 781039 India
(86) International Application No	:NA	(72)**Name of Inventor :**
Filing Date	:NA	**1)Sameer Pawanekar,**
(87) International Publication No	: NA	**2)Dr. Kalpesh Kapoor,**
(61) Patent of Addition to Application Number	:NA	**3)Dr. Gaurav Trivedi,**
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
Hypergraph partitioning is commonly used in solving VLSI placement problem, as it reduces the problem size. Hypergraph partitioning solution quality is important as the placement solution depends on the quality of cuts obtained. This paper presents a hypergraph partitioning heuristic. Here generation of IC design and fabrication of that design is obtained virtually by processing the placements of nodes between two partitions of board, by identifying efficient co-ordinates for placing nodes on the pair of partitioned boards to achieve a minimal wire length between the nodes across the partition. A memory division that stores the co-ordinates after the processing is completed and transmits these information into a super system capable of creating a design by deploying the co-ordinates and implementing the finished design by fabricating a VSLI boards based on the implemented results.

No. of Pages : 17 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201634024166 A
(19) INDIA
(22) Date of filing of Application :14/07/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : MOBILE TERMINAL AND CONTROL METHOD THEREOF

(51) International classification	:H04W 52/00
(31) Priority Document No	:10-2015-0115614
(32) Priority Date	:17/08/2015
(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

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)Sohoon YI
2)Yoonchan WON
3)Seulah LEE
4)Minjoo KIM

(57) Abstract :
The present invention relates to a mobile terminal having a plurality of display areas and a control method thereof. A mobile terminal according to the present invention includes a display unit provided with a first display area and a second display area, and a controller configured to process a touch applied to another display area in an inactive state as a control command for one display area in an active state, when the touch is applied to the another display area in the inactive state while the one of the first and second display areas is in the active state and the another display area is in the active state. Here, the active state is a state of allowing an output of visual information and touch sensing, and the inactive state is a state of restricting an output of visual information and allowing touch sensing.

No. of Pages : 83 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/05/2016
(21) Application No.201634016616 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : SINGLE-PHASE MOTOR, AIRFLOW GENERATING DEVICE, AND ELECTRIC APPARATUS

(51) International classification :H02K 47/16
(31) Priority Document No :201510507014.7
(32) Priority Date :18/08/2015
(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

(71)**Name of Applicant :**
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2)CHUI YOU ZHOU
3)GANG LI
4)YONG WANG
5)YONG LI
6)WEI ZHANG
7)MING CHEN
8)JIE CHAI
9)KWONG YIP POON
10)WEN LIANG LI
11)LIN PING GUI

(57) Abstract :
A single-phase motor, an airflow generating apparatus, and an electric apparatus are provided. The motor includes a stator and a rotor. The stator includes a stator core and stator windings. The stator core includes a ring-shaped yoke and multiple pole portions. A magnetic bridge or slot opening is formed between each two adjacent pole portions. An end surface of each pole portion includes an arc surface. A positioning groove is formed in each arc surface. The arc surfaces of the pole portions cooperatively form a receiving cavity. The rotor includes a rotary shaft and a permanent magnet fixed to the rotary shaft. The permanent magnet is received in the receiving cavity. The arc surfaces are located on a cylindrical surface centered around a rotation axis of the rotary shaft. The cogging torque of the motor can be reduced, thus reducing the startup current and hence the noise of the motor.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/06/2016
(21) Application No.201634021083 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : FLUID GENERATING DEVICE AND ELECTRIC APPARATUS USING THE SAME

(51) International classification :H02K 44/00
(31) Priority Document No :201510507014.7
(32) Priority Date :18/08/2015
(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)Yue Li
2)Kwong Yip Poon
3)Chui You Zhou
4)Jie Chai
5)Wen Liang Li
6)Lin Ping Gui
7)Tao Zhang
8)Qiang Zhou

(57) Abstract :
A fluid generating device and an electric apparatus utilizing the fluid generating device are provided. The fluid generating device includes a motor and an impeller driven by the motor. The motor is a single phase direct current brushless motor which includes a stator and a rotor. The stator includes a stator core and a stator winding. The stator core includes an outer ring portion, teeth extending inwardly from the outer ring portion, a pole shoe formed at the tooth. Slot openings are formed between the pole shoes. The rotor is received in a receiving chamber defined by the pole shoes. Inner surfaces of the pole shoes and the rotor form there between a substantially even air gap. The presence of even air gap can reduce the cogging torque of the motor, thus reducing the startup current and noise of the motor.

No. of Pages : 45 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201637030284 A
(19) INDIA
(22) Date of filing of Application :05/09/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : SIGNAL PROCESSING METHOD AND DEVICE

(51) International classification :G10L19/002
(31) Priority Document No :201410101859.1
(32) Priority Date :19/03/2014
(33) Name of priority country :China
(86) International Application No :PCT/CN2014/092658
Filing Date :01/12/2014
(87) International Publication No :WO 2015/139477
(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)ZHOU Xuan
2)MIAO Lei
3)LIU Zexin

(57) Abstract :
Signal processing method and device capable of avoiding bit waste and improving coding and decoding quality the method comprising: determining the total number of the bits to be allocated corresponding to a current frame (S110); conducting a first bit allocation on a sub band to be processed (S120); conducting a first information unit number determination on each sub band after the first bit allocation to obtain the information unit number corresponding to each sub band to be processed and the total number of redundant bits (S130); according to at least one of the sub band characteristics and the total number of redundant bits in each sub band to be processed selecting sub bands for a second bit allocation from the sub bands to be processed (S140); conducting a second bit allocation on the selected sub bands (S150); according to the number of bits of the first allocation and the number of bits of the second allocation of the sub bands for the two bit allocations conducting a second information unit number determination on each sub band in the sub bands of the second bit allocation to reobtain the information unit number corresponding to each sub band in the sub bands of the second bit allocation (S160).

No. of Pages : 80 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/09/2016
(21) Application No.201637030293 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : APPARATUS FOR TIGHTENING THREADED FASTENERS

(51) International classification :B25B21/00
(31) Priority Document No :61/942696
(32) Priority Date :21/02/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/017172
Filing Date :23/02/2015
(87) International Publication No :WO 2015/127408
(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)KOPPENHOEFER Peter

(57) Abstract :
(R)According to a first aspect of the invention we provide an automatic reaction pawl assembly ("ARPA") which includes; a shaft assembly; a pawl fixed rotatably relative to the shaft assembly; and a torsion lever torsionally coupled with the paw) about the shaft assembly. Advantageously the ARPA enhances belting efficiency increases torque accuracy and maximises operator safety. Torsion springs of the shaft assembly overcome a housing spring and automatically disengage the pawl from a ratchet wheel. The pawl releases without advancing the fastener touching the tool or raising the hydraulic pressure beyond an intended torque value. This allows for hands free operation of one or more tools. During SWULTORC the operator no longer needs to determine which tool; is locked on to its fastener.

No. of Pages : 21 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/09/2016
(21) Application No.201637030295 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : SYSTEM AND METHOD FOR SPIRAL VOLUME IMAGING

(51) International classification :A61B5/055,G01R33/387,G01R33/385
(31) Priority Document No :61/953370
(32) Priority Date :14/03/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/020517
Filing Date :13/03/2015
(87) International Publication No :WO 2015/138946
(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)SARRACANIE Mathieu
3)SALAMEH Najat

(57) Abstract :
A system and method for system for performing a magnetic resonance imaging (MRI) process using an MRI system is provided. A coil system includes a substrate configured to follow a contour of a portion of a subject to be imaged by the MRI system and at least one coil coupled to the substrate and forming a spiral pattern.

No. of Pages : 15 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201634026150 A
(19) INDIA
(22) Date of filing of Application :30/07/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : SOUND OUTPUT APPARATUS

(51) International classification :H04R 1/00
(31) Priority Document No :62/206,322
(32) Priority Date :18/08/2015
(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)Hyunsun YOO
2)Seungjong PARK
3)Sangwoo SEO

(57) Abstract :
A sound output apparatus is provided, which includes an outer case having an upper portion with an opening formed upward, and a lower portion with sound holes formed therethrough, a first sound output unit provided at an upper side within the outer case and capable of outputting sounds of a first frequency band, a second sound output unit provided at a lower side within the outer case and capable of outputting sounds of a second frequency band, and a conveying device provided below the first sound output unit and capable of moving the first sound output unit up and down, wherein the conveying device allows the first sound output unit to protrude upwardly such that sounds are output between the outer case and the first sound output unit.

No. of Pages : 97 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/08/2016
(21) Application No.201634028382 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : COMPRESSOR AND OIL DRAIN SYSTEM

(51) International classification :F04B 27/00
(31) Priority Document No :14/832,562
(32) Priority Date :21/08/2015
(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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1)MISTRY, Ritesh Kumar
2)PATIL, Dileep G.
3)ADIFON, Leandre

(57) Abstract :
A compressor system is disclosed with a base structure configured to support a compressor. A removable oil reservoir is connectable with the base structure. An oil drain tube is configured to be in fluid communication with portions of the compressor system and the oil reservoir. The oil reservoir is configured to slidingly move relative to the base structure and engage with the oil drain tube in a fluid sealing arrangement.

No. of Pages : 30 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/08/2016
(21) Application No.201634028386 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : COMPRESSOR AND OIL DRAIN SYSTEM

(51) International classification :F04B 27/00
(31) Priority Document No :14/832,558
(32) Priority Date :21/08/2015
(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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(57) Abstract :
A compressor system is disclosed with a base structure configured to support a compressor. A removable oil reservoir is connectable with the base structure. An oil drain tube is configured to be in fluid communication with portions of the compressor system and the oil reservoir. The oil reservoir is configured to slidingly move relative to the base structure and engage with the oil drain tube in a fluid sealing arrangement.

No. of Pages : 31 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201637030219 A
(19) INDIA
(22) Date of filing of Application :05/09/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : RADIATION CROSSLINKED POLYETHYLENE HINGE

(51) International classification :C08L23/08
(31) Priority Document No :2844886
(32) Priority Date :06/03/2014
(33) Name of priority country :Canada
(86) International Application No :PCT/IB2015/050664
Filing Date :29/01/2015
(87) International Publication No :WO 2015/132680
(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)ARNOULD Gilbert
3)BOTROS Matthew
4)MCGRORY William

(57) Abstract :
Polyethylene living hinges used in "snap top" lids for condiments and the like may be electron bean irradiated to partially crosslink the polyethylene to produce a hinge having an improvement in the number of opening and closing cycles until failure of not less than 30%. The irradiated lids may be used in place of polypropylene lids for condiment containers.

No. of Pages : 15 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201637030237 A
(19) INDIA
(22) Date of filing of Application :05/09/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : DOMESTIC REFRIGERATION APPLIANCE COMPRISING A COMPRESSOR HAVING COMPRESSOR FEET

(51) International classification :F25D23/00
(31) Priority Document No :10 2014 206 718.9
(32) Priority Date :08/04/2014
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2015/056620
Filing Date :26/03/2015
(87) International Publication No :WO 2015/155025
(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)REBER Waldemar
3)SCHMID Werner
4)SCHUSTER Udo

(57) Abstract :
The invention relates to a domestic appliance in particular a domestic refrigeration appliance (1) comprising a compressor (11) having compressor feet (14 15) which is supported on a support rail (13 44) by way of elastic damping bodies (16 17 18) that are arranged in openings (30) of the compressor feet (14 15) and which is held thereto by way of the damping bodies (16 17 18) by bottom penetrating retaining tabs (20 21 42 43 45 46 47) having securing portions (24 25) engaging the damping bodies (16 17 18) from behind. In order to allow a simple and economical installation of the compressor which nonetheless results in a permanently secure retention of the compressor end portions (22 23) of the retaining tabs (20 21 42 43 45 46 47) extending beyond the damping bodies (16 17 18) according to the invention have insertion means which are designed in such a way that the compressor (11) is mounted or can be mounted without a plastic deformation of the retaining tabs (20 21 42 43 45 46 47).

No. of Pages : 11 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201637030250 A
(19) INDIA
(22) Date of filing of Application :05/09/2016
(43) Publication Date : 24/02/2017

(54) Title of the invention : METHOD FOR MEASURING TEMPERATURE OF OBJECT IN ATMOSPHERE HAVING DUST

(51) International classification :G01J5/00,G01J5/06,F27B7/42
(31) Priority Document No :2014053172
(32) Priority Date :17/03/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/055325
Filing Date :25/02/2015
(87) International Publication No :WO 2015/141412
(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)SUMITOMO OSAKA CEMENT CO. LTD.
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2)TAKATA Yoshiaki

(57) Abstract :
A first radiance meter that is provided so as to oppose an object in an atmosphere in which there is dust and measures the radiance of the object and a second radiance meter that is provided so as not to oppose the object and measures the radiance of the dust between the object and the first radiance meter are used to measure the temperature of the object on the basis of the object radiance that has been measured by the first radiance meter and the radiance of the dust between the object and the first radiance meter that has been measured by the second radiance meter.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/09/2016
(21) Application No.201637030278 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : WATER SOLUBLE METALWORKING OIL AND METALWORKING COOLANT

(51) International classification :C10M173/02,C10M129/08,C10M129/32
(31) Priority Document No :2014070522
(32) Priority Date :28/03/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/058734
Filing Date :23/03/2015
(87) International Publication No :WO 2015/146909
(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)TAKAGI Fumiaki
3)KITAMURA Tomohiko

(57) Abstract :
This water soluble metalworking oil is characterized by: being obtained by mixing a dicarboxylic acid (A) including a sulfide structure and a monocarboxylic acid (B); and not including polyalkylene glycol. This metalworking coolant is obtained by using water to dilute the aforementioned water soluble metalworking oil.

No. of Pages : 14 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/09/2016
(21) Application No.201637030279 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : WATER SOLUBLE METALWORKING FLUID AND METALWORKING COOLANT

(51) International classification :C10M173/02,C10M129/08,C10M129/16
(31) Priority Document No :2014070521
(32) Priority Date :28/03/2014
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2015/058733
Filing Date :23/03/2015
(87) International Publication No :WO 2015/146908
(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)JIBIKI Yosuke
2)TAKAGI Fumiaki
3)KITAMURA Tomohiko

(57) Abstract :
This water soluble metalworking fluid is characterized by being obtained by blending (A) a dicarboxylic acid containing a sulfide structure (B) polyalkylene glycol (C) a polyhydric alcohol polyalkylene oxide adduct and (D) a monocarboxylic acid.

No. of Pages : 17 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/04/2016
(21) Application No.201634012831 A
(43) Publication Date : 24/02/2017

(54) Title of the invention : LIFT TABLE FOR COMPUTER

(51) International classification :A47B21/013
(31) Priority Document No :10-2015-0115882
(32) Priority Date :18/08/2015
(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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(57) Abstract :
According to an embodiment of the present invention, a lift table comprises an upper plate, a lower plate, a lift assembly provided between the upper plate and the lower plate and including an upper frame hinged to the upper plate, a lower frame hinged to the lower plate, and a driving arm assembly. The driving arm assembly includes two upper arms connected with each other via a first elastic body, two lower arms connected with each other via a second elastic body, the upper arms hinged to the lower arms, and a locking device provided at an end of the driving arm assembly to secure a folded or unfolded position of the driving arm assembly.

No. of Pages : 55 No. of Claims : 11

PUBLICATION U/S.60 IN RESPECT OF APPLICATION FOR RESTORATION OF PATENTS (KOLKATA)

Notice is hereby given that application for restoration of under mentioned Patents have been allowed and said Patents are restored.

Sl.No.	Application No.	Patent No.	Applicants	Title	Date of Publication U/R.84(3)	Appropriate Office
1.	449/CAL/2000	205836	EMERSON CLIMATE TECHNOLOGIES, INC.	SCROLL TEMPERATURE PROTECTION	19/06/2009	Kolkata

APPLICATION FOR RESTORATION OF LAPSED PATENT U/S 60 : PUBLICATION U/S 61(1) RULE 84(3) (DELHI)

Controller is *prima facie* satisfied that in following matter(s), the failure to pay the renewal fees was unintentional and that there has been no undue delay in the making of the application for restoration of lapsed paten in prescribed manner. Notice is hereby given that any person interested in opposing the application for restoration of following lapsed patent(s) at any time within two months from the date of this publication may give notice to the Controller of opposition thereto on either or both of the following grounds, that is to say,--

(a) That the failure to pay the renewal fees was not unintentional; or

(b) That there has been undue delay in the making of the application.

Statement of the applicant in Form-15 and other documents filed during prosecution may be referred from file records .This opposition notice is to be filed in Form-14 with prescribed fees given in The FIRST SCHEDULE (See rule 7) FEES (Entry no 21).

Patent Number (Patent Application Number)	Patentee	Title	Date of Cessation	Appropriate Office
254214 (27788/DELNP/2008)	GLAXO GROUP LIMITED	"5-(4-{[(2-FLUOROPHENYL)METHYL} PHENYL)-PROLINAMIDE OF FORMULA (I) AND PROCESS OF PREPARING THE SAME"	06/10/2013	DELHI

PUBLICATION U/R 84(3) IN RESPECT OF APPLICATION FOR RESTORATION OF PATENT(CHENNAI)

Notice is hereby given that any person interested in opposing the following applications for Restoration of Patent under Section 60 of the Patent Act, 1970, may at any time within 2 months from the date of Publication of this notice, give notice to the Controller of Patents at the appropriate office on the prescribed Form 14 under Rule 85 of the Patents (Amendment) Rules, 2006.

PATENT NUMBER	APPLICANT	TITLE	DATE OF CESSATION	APPROPRIATE OFFICE
227078	KEN GEORGIE MATHEW	SYSTEM AND METHOD TO MAINTAIN AUTHENTIC INDIVIDUAL TRACK RECORD TO SUPPORT ANYTIME REVIEW AND DECISION MAKING	09/05/2016	CHENNAI
248162	M.SHAILENDRA KUMAR	THE COMPACT DRAFTER	13/08/2015	CHENNAI
260539	BIOCON LIMITED	A COST-EFFECTIVE CHROMATOGRAPHIC PROCEDURE FOR ENHANCED YIELD	06/08/2014	CHENNAI
244432	Mr.PRAJWAL VIJAY KUMAR	TELEOPERATION OR WIRELESS REMOTE CONTROL SYSTEM FOR A TILLER OR WALKING TRACTOR	02/09/2015	CHENNAI
229702	DR. SHAAM PRIYAPATNA SUNDHAR	A CONTAINER FOR STORING LIQUID AND GAS	01/08/2013	CHENNAI

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	280295	8482/DELNP/2010	28/05/2009	03/06/2008	"METHOD FOR THE SYNTHESIS OF DIALKOXY ALKANES BY MEANS OF THE SELECTIVE OXIDATION OF ALCOHOLS"	ARKEMA FRANCE	02/03/2012	DELHI
2	280298	1138/DEL/2002	11/11/2002	25/02/2002	"METHOD AND APPARATUS FOR RECORDING DATA ON OPTICAL RECORDING MEDIUM"	SAMSUNG ELECTRONICS CO., LTD.	20/03/2009	DELHI
3	280300	5390/DELNP/2007	01/03/2006	24/03/2005	"METHOD OF OPERATING A GAS ENGINE PLANT AND FUEL FEEDING SYSTEM OF GAS ENGINE"	WARTSILA FINLAND OY	24/08/2007	DELHI
4	280302	4320/DELNP/2009	29/11/2007	12/12/2006	"CONTROL BOX ARRANGEMENT"	RITTAL GMBH & CO. KG.	01/01/2010	DELHI
5	280305	3190/DELNP/2010	20/10/2008	29/10/2007	"REFRIGERATOR OIL AND WORKING FLUID COMPOSITION FOR REFRIGERATING MACHINE"	JX NIPPON OIL & ENERGY CORPORATION	27/01/2012	DELHI
6	280307	2902/DELNP/2004	20/03/2003	08/04/2002	A METHOD AND APPARATUS FOR REDUCING CHANNEL CHANGE TIMES	M/S. THOMSON LICENSING S.A	13/11/2009	DELHI
7	280308	5239/DELNP/2009	19/02/2008	16/02/2007	"PROCESS FOR TREATING SLUDGE AND MANUFACTURING BIOORGANICALLY AUGMENTED HIGH NITROGEN CONTAINING INORGANIC FERTILIZER"	ANUVIA PLANT NUTRIENTS HOLDINGS, LLC	02/04/2010	DELHI
8	280309	1851/DELNP/2005	28/07/2004	18/11/2003	"ADAPTIVE COMPUTING ENVIRONMENT"	MICROSOFT TECHNOLOGY LICENSING, LLC	09/10/2009	DELHI
9	280311	967/DEL/2008	15/04/2008 16:51:23	16/04/2007	"DUAL-POLARIZED, MULTIPLE STRIP-LOOP ANTENNA, AND ASSOCIATED METHODLOGY, FOR RADIO DEVICE"	RESEARCH IN MOTION LIMITED	07/11/2008	DELHI

10	280312	1045/DELNP/2010	31/07/2008	03/08/2007	"PROCESS FOR PRODUCING AROMATIC HYDROCARBON"	MITSUI CHEMICALS, INC.,,AGENCY FOR SCIENCE TECHNOLOGY AND RESEARCH	13/08/2010	DELHI
11	280314	3413/DELNP/2010	12/11/2008	16/11/2007	"FILLED POLYAMIDE MOULDING COMPOUNDS"	EMS-PATENT AG	22/10/2010	DELHI
12	280316	2690/DEL/2007	24/12/2007 12:43:28	27/12/2006	"GEAR WITH INTEGRAL OVERCOUPLE PROTECTION"	HISPANO-SUIZA	05/09/2008	DELHI
13	280319	1646/DEL/2006	18/07/2006	18/07/2005	"POWER EFFICIENT SIGNALING FOR ASYMMETRIC MULTI-CARRIER COMMUNICATIONS."	INTEL CORPORATION	03/08/2007	DELHI
14	280320	2496/DELNP/2009	05/10/2007	10/10/2006	"FLOW ADJUSTMENT VALVE"	DANFOSS A/S	19/06/2009	DELHI
15	280321	6116/DELNP/2010	28/01/2009	28/01/2008	"METHOD AND DEVICE FOR THE TREATMENT OF WASTE WATER"	NTNU TECHNOLOGY TRANSFER AS	25/11/2011	DELHI
16	280322	8481/DELNP/2009	05/06/2008	05/06/2007	"NOVEL AMIDE DERIVATIVE FOR INHIBITING THE GROWTH OF CANCER CELLS"	HANMI SCIENCE CO., LTD.	16/07/2010	DELHI
17	280324	5643/DELNP/2008	11/01/2007	11/01/2006	"WIRELESS COMMUNICATION METHODS AND APPARATUS SUPPORTING PEER TO PEER COMMUNICATIONS"	QUALCOMM INCORPORATED	26/09/2008	DELHI
18	280326	10777/DELNP/2008	24/07/2006	24/07/2006	"ELEVATORS"	OTIS ELEVATOR COMPANY	15/05/2009	DELHI
19	280327	3042/DEL/2010	21/12/2010 12:04:48	22/12/2009	"NOVEL DIAMINO-ALCOHOL COMPOUNDS, THEIR MANUFACTURE AND USE IN COATINGS APPLICATIONS"	ANGUS CHEMICAL COMPANY	08/11/2013	DELHI
20	280328	6962/DELNP/2010	10/03/2009	10/03/2008	"HAIR COLOURING COMPOSITION AND METHODS"	PERACHEM LIMITED	25/11/2011	DELHI
21	280329	7210/DELNP/2008	22/03/2007	24/03/2006	"SUPPORT MATERIAL FOR RECORDING LAYER"	FELIX SCHOELLER JR. FOTO-UND SPEZIALPAPIERE GMBH & CO.KG	26/09/2008	DELHI
22	280332	1631/DEL/2005	23/06/2005	13/07/2004	"WIDEBAND OMNIDIRECTIONAL RADIATING DEVICE"	THOMSON LICENSING S.A.	17/08/2007	DELHI
23	280333	1275/DEL/2009	22/06/2009 17:06:40	27/06/2008	"ENGINE GENERATOR"	HONDA MOTOR CO.,LTD	23/04/2010	DELHI

24	280334	8184/DELNP/2009	13/06/2008	15/06/2007	"PEPTIDE SLOW-RELEASE FORMULATIONS"	CAMURUS AB	25/06/2010	DELHI
25	280335	7132/DELNP/2011	18/02/2010	20/03/2009	"PROCESS AND APPARATUS FOR FEED PREHEATING WITH FLUE GAS COOLER"	UOP LLC	20/09/2013	DELHI
26	280337	5642/DELNP/2008	18/12/2006	30/12/2005	"METHOD AND DEVICE FOR TUNING AND CONTROL"	ABB AB	26/09/2008	DELHI
27	280341	8121/DELNP/2008	28/03/2007	11/04/2006	"IDENTIFICATION OF AN ANOMALOUS ORIENTATION DEFINITION CONDITION OF A REMOTE LOCOMOTIVE OF A TRAIN"	GENERAL ELECTRIC COMPANY	08/05/2009	DELHI
28	280342	1078/DEL/2009	26/05/2009 15:46:15	26/05/2008	"WIDTH CONTROL DEVICE FOR HOT ROLLING MILL AND CONTROL METHOD THEREOF"	HITACHI, LTD.	30/04/2010	DELHI
29	280343	1954/DEL/2006	31/08/2006 11:44:45	31/08/2005	"A FRICTION CLUTCH, HAVING DIFFERENTIAL FRICTION MEANS, IN PARTICULAR FOR A MOTOR VEHICLE, AND A PRE-ASSEMBLED MODULE FOR SUCH A FRICTION CLUTCH"	VALEO EMBRAYAGES	31/08/2007	DELHI
30	280344	1814/DEL/2006	11/08/2006 12:18:23	12/08/2005	"METAL COMPONENT TREATED BY PUTTING SUBLAYERS IN COMPRESSION, AND METHOD OF OBTAINING SUCH A COMPONENT"	SNECMA	31/08/2007	DELHI
31	280345	5182/DELNP/2006	10/02/2005	12/02/2004	"METHODS OF FABRICATING VERTICAL CARBON NANOTUBE FIELD EFFECT TRANSISTORS FOR ARRANGEMENT IN ARRAYS AND FIELD EFFECT TRANSISTORS AND ARRAYS FORMED THEREBY"	INTERNATIONAL BUSINESS MACHINES CORPORATION	13/04/2007	DELHI
32	280346	6492/DELNP/2007	07/02/2006	07/02/2005	"AN ASSEMBLY IN COMBINATION WITH A MECHANICAL ACTUATOR DEVICE"	GLIDE PHARMACEUTICAL TECHNOLOGIES LIMITED	07/09/2007	DELHI
33	280347	7159/DELNP/2010	13/03/2009	15/03/2008	METHODS OF AMPLIFICATION REACTIONS USING PCR TECHNIQUE FOR NON-DIAGNOSTIC ANALYSIS OF NUCLEIC ACID MOLECULES	HOLOGIC, INC.	17/02/2012	DELHI

34	280348	5528/DELNP/2010	08/02/2008	08/02/2008	"METHOD FOR THE HARDENED GALVANISATION OF A CONTINUOUSLY-RUNNING ROLLED STEEL STRIP"	PRIMETALS TECHNOLOGIES FRANCE SAS	03/02/2012	DELHI
35	280350	6552/DELNP/2009	17/07/2008	24/07/2007	FOAM RECOVERY DEVICE AND FOAM RECOVERY SYSTEM	MITSUBISHI HEAVY INDUSTRIESÂ LTD.	23/08/2013	DELHI
36	280351	7633/DELNP/2010	09/04/2009	02/05/2008	"METHOD FOR DELAMINATING WORK PIECES AND DELAMINATING SOLUTION"	OERLIKON TRADING AG, TRUBBACH	09/09/2011	DELHI
37	280353	3860/DELNP/2008	15/11/2006	16/11/2005	"SYNTHETIC APERTURE RADAR"	ASTRIUM LIMITED	15/08/2008	DELHI
38	280354	7002/DELNP/2010	03/03/2009	04/03/2008	"CATALYTIC PYROLYSIS OF SOLID BIOMASS AND RELATED BIOFUELS, AROMATIC, AND OLEFIN COMPOUNDS"	UNIVERSITY OF MASSACHUSETTS	25/11/2011	DELHI
39	280355	1775/DEL/2009	27/08/2009 15:26:55	23/09/2008	"TRANSMISSION SCREEN FOR STEREOSCOPIC IMAGES"	HAE-YONG CHOI	30/04/2010	DELHI
40	280358	2093/DEL/2004	25/10/2004	10/11/2003	"COOLING SYSTEM FOR NOZZLE SEGMENT PLATFORM EDGES"	GENERAL ELECTRIC COMPANY	08/09/2006	DELHI
41	280365	8358/DELNP/2007	08/03/2006	08/04/2005	"METHODS USEFUL FOR CONTROLLING FLUID LOSS IN SUBTERRANEAN TREATMENTS"	HALLIBURTON ENERGY SERVICES,INC.	04/07/2008	DELHI
42	280367	7411/DELNP/2011	24/03/2010	31/03/2009	"CO-CRYSTALLIZABLE DIACETYLENIC MONOMER COMPOSITIONS, CRYSTAL PHASES AND MIXTURES, AND RELATED METHODS"	TEMPTIME CORPORATION	11/10/2013	DELHI
43	280368	9937/DELNP/2007	02/06/2006	02/06/2005	"MULTILAYER TUBE FOR TRANSPORTING WATER OR GAS"	ARKEMA FRANCE	20/06/2008	DELHI
44	280369	10477/DELNP/2008	12/06/2007	04/07/2006	"PROCESS FOR MAKING VISCO-ELASTIC FOAMS"	HUNTSMAN INTERNATIONAL LLC	20/08/2010	DELHI
45	280370	6001/DELNP/2007	15/02/2006	17/02/2005	"METHOD OF LIMITING THE APPLICATION OF SAND TO A RAILROAD RAIL"	GENERAL ELECTRIC COMPANY	17/08/2007	DELHI
46	280371	837/DEL/2008	31/03/2008 14:22:57		MUTANTS OF STREPTOKINASE AND THEIR COVALENTLY MODIFIED FORMS	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	23/04/2010	DELHI

47	280373	2729/DELNP/2008	02/10/2006	06/10/2005	ELECTRICAL CONNECTOR ADAPTOR WITH STRAIN RELIEF	TYCO ELECTRONICS CORPORATION	25/07/2008	DELHI
48	280374	512/DELNP/2008	13/07/2006	05/08/2005	"EXTERNALLY HEATED ENGINE"	RENEWABLE THERMODYNAMICS LLC	08/08/2008	DELHI
49	280376	1495/DELNP/2009	16/09/2004	17/09/2003	A Vehicle key for outputting a start permit signal to a vehicle	d-Key Inc.	12/06/2009	DELHI
50	280377	7802/DELNP/2007	28/06/2005	28/06/2005	"OXYGEN ACTIVATING MATERIAL, COMBUSTION EFFICIENCY IMPROVING MATERIAL, PLANT GROWTH PROMOTING MATERIAL, AEROBIC MICROORGANISM ACTIVATING MATERIAL, ANIMAL GROWTH PROMOTING AND ACTIVATING MATERIAL, MUSCLE SOFTENING MATERIAL, RUST REMOVING AND PREVENTING MATERIAL, AND OXYGEN ACTIVATING METHOD"	SAKAKURA YASUO	09/11/2007	DELHI
51	280378	1801/DEL/2008	04/02/1997	06/02/1996	"MIXTURES WHICH CAN BE ISOLATED FROM EUGENIA JAMBOLANA LAMARCK SEEDS, THEIR PREPARATION AND THEIR USE AS MEDICAMENTS"	INSTITUTE MALGACHE DE RECHERCHES APPLIQUEES,AVENTIS PHARMA S.A	03/04/2009	DELHI
52	280380	4368/DELNP/2006	14/03/2005	22/03/2004	"A METHOD FOR VAPORIZING ORGANIC MATERIAL ONTO A SURFACE OF A SUBSTRATE TO FORM A FILM"	GLOBAL OLED TECHNOLOGY LLC	10/08/2007	DELHI
53	280385	2738/DELNP/2009	26/10/2007	31/10/2006	KNEE PROTECTING AIRBAG DEVICE	TOYOTA JIDOSHA KABUSHIKI KAISHA	29/05/2009	DELHI
54	280386	2643/DEL/2009	17/12/2009 14:33:15		"Recombinant Domain III envelope protein useful for detecting Japanese Encephalitis Virus"	DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION (DRDO)	24/06/2011	DELHI
55	280389	8120/DELNP/2008	05/04/2007	10/04/2006	"ADAPTIVE BRAKE FLOW MASKING AT REMOTE LOCOMOTIVES OF A DISTRIBUTED POWER TRAIN"	GENERAL ELECTRIC COMPANY	08/05/2009	DELHI

56	280390	3414/DELNP/2011	24/11/2009	25/11/2008	"ORAL CARE COMPOSITIONS WITH IMPROVED AESTHETICS AND FUSED SILICA"	THE PROCTER & GAMBLE COMPANY	27/09/2013	DELHI
57	280392	989/DEL/2009	15/05/2009 16:08:19	15/05/2008	"PROCESS FOR SEPARATING HYDROGEN FLUORIDE FROM ORGANIC FEEDSTOCKS"	HONEYWELL INTERNATIONAL INC.	30/04/2010	DELHI
58	280396	6608/DELNP/2011	24/03/2010	09/04/2009	â€œCATALYST COMPOSITION AND PROCESS FOR OLIGOMERIZATION OF ETHYLENEâ€ •	LINDE AG,SAUDI BASIC INDUSTRIES CORPORATION	27/09/2013	DELHI
59	280397	5379/DELNP/2010	03/02/2009	04/02/2008	"WETTING AND DISPERSING AGENT"	BYK-CHEMIE GMBH	18/11/2011	DELHI
60	280399	7948/DELNP/2009	02/07/2008	09/07/2009	"VANADIUM-DRIER INTAGLIO INK"	SICPA HOLDING SA	16/07/2010	DELHI
61	280400	5404/DELNP/2009	10/03/2008	08/03/2007	"A PEST CONTROL COMPOSITION COMPRISING AT LEAST ONE PYRIPYROPENE DERIVATIVE OF FORMULA (I)"	MEIJI SEIKA PHARMA CO, LTD.	23/04/2010	DELHI
62	280402	5540/DELNP/2009	12/03/2008	12/03/2007	"A COMPOUND"	NEKTAR THERAPEUTICS,	10/09/2010	DELHI
63	280403	1842/DEL/2012	15/06/2012 12:07:53	29/06/2011	"A HYDROPHOBIC CEMENTITIOUS COMPOSITION"	DOW GLOBAL TECHNOLOGIES LLC	04/12/2015	DELHI
64	280404	4957/DELNP/2006	21/03/2005	22/03/2004	"A LAYERWISE OPTICAL MOULDING PROCESS WHICH USES A NON-COHERENT SOURCE OF RADIATION"	HUNTSMAN ADVANCED MATERIALS (SWITZERLAND) GMBH	13/07/2007	DELHI
65	280406	4365/DELNP/2008	31/08/2006	07/12/2005	"A SYSTEM FOR A GREASELESS SWITCH ASSEMBLY"	GENERAL ELECTRIC COMPANY	15/08/2008	DELHI
66	280408	6800/DELNP/2007	22/02/2006	04/03/2005	"RELEASABLE LOCK FOR A MOTOR VEHICLE LOCKING SYSTEM"	U-Shin France SAS	05/10/2007	DELHI
67	280409	1874/DEL/2006	21/08/2006 15:45:39		ROTARY WRENCHING TOOL WITH A DRIVING HEAD	CHENG CHIN-SHUN	04/04/2008	DELHI
68	280411	755/DELNP/2010	01/08/2008	03/08/2007	"NEW PROCESS FOR THE SYNTHESIS OF (7-METHOXY-1-NAPHTHYL) ACETONITRILE AND APPLICATION IN THE SYNTHESIS OF AGOMELATINE"	LES LABORATOIRES SERVIER	30/07/2010	DELHI

69	280412	670/DELNP/2008	20/07/2006	23/07/2005	"SUPPORT JACK"	JOST-WERKE GMBH & CO. KG	11/07/2008	DELHI
70	280417	738/DELNP/2009	29/04/2004	30/04/2003	"WEAR MEMBER FOR ATTACHMENT TO LIP OF BUCKET"	ESCO CORPORATION	22/05/2009	DELHI
71	280418	899/DELNP/2007	13/07/2005	04/08/2004	"BREATHABLE FABRIC"	LIGHTEX LIMTED	03/08/2007	DELHI
72	280422	5095/DELNP/2011	13/01/2010	13/01/2009	"FRAGRANCE COMPOSITION"	KAO CORPORATION,	04/05/2012	DELHI
73	280424	775/DEL/2003	03/06/2003	05/06/2002	"PROCESS AND DEVICE FOR THE CONTINUOUS MERCERIZING OF TEXTILE YARNS"	MARIO MINUTI	08/08/2014	DELHI
74	280425	1025/DEL/2012	03/04/2012 12:36:31	18/04/2011	"COPOLYMER DISPERSION FOR WATER WHITENING RESISTANT COATINGS"	ROHM AND HAAS COMPANY	24/07/2015	DELHI
75	280427	1723/DELNP/2009	17/10/2007	19/10/2006	"VIBRATION DAMPING CONTROL DEVICE OF VEHICLE"	TOYOTA JIDOSHA KABUSHIKI KAISHA	20/08/2010	DELHI
76	280430	7391/DELNP/2006	14/07/2005	15/07/2004	"HIGH OXIDATION RESISTANT HARD COATING FOR CUTTING TOOLS"	OERLIKON SURFACE SOLUTIONS AG, TRUBBACH	15/06/2007	DELHI
77	280432	2323/DELNP/2008	23/10/2006	26/10/2005	"METHOD FOR MANUFACTURING RAZOR BLADES"	The Gillette Company LLC	25/07/2008	DELHI
78	280434	9049/DELNP/2010	26/05/2009	23/05/2008	"CATALYST SYSTEMS FOR THE PRODUCTION OF ACIDS"	GTC TECHNOLOGY LP	02/03/2012	DELHI
79	280435	2821/DEL/2008	15/12/2008 11:57:12		"INSECT REARING AND COLLECTION APPARATUS"	INDIAN COUNCIL OF AGRICULTURAL RESEARCH	06/03/2009	DELHI
80	280436	196/DELNP/2009	02/10/2006	07/07/2006	"INJECTION SYSTEM AND METHOD FOR PRODUCING AN INJECTION SYSTEM"	CONTINENTAL AUTOMOTIVE GMBH	20/08/2010	DELHI
81	280438	3346/DELNP/2009	25/12/2006	25/12/2006	"SYSTEM FOR IMAGE INSPECTION OF MOVABLE OBJECT AND DODGING METHOD"	NUCTECH COMPANY LIMITED,TSINGHUA UNIVERSITY	16/04/2010	DELHI
82	280439	1635/DEL/2005	23/06/2005		"A REFRIGERATION SYSTEM TO EXTEND STORAGE LIFE OF REFRIGERATED PERISHABLE FOOD LIKE FRUIT AND VEGETABLES"	WHIRLPOOL OF INDIA LIMITED	09/02/2007	DELHI
83	280440	10770/DELNP/2008	21/06/2007	30/06/2006	"HIGH FLUORIDE ION ORAL CARE COMPOSITION AND METHOD FOR MAINTAINING ANTICARIES ACTIVITY"	COLGATE-PALMOLIVE COMPANY	15/05/2009	DELHI

84	280443	217/DEL/2009	04/02/2009 15:05:19	30/05/2008	"ICE SUPPLYING APPARATUS AND REFRIGERATOR HAVING THE SAME"	HITACHI APPLIANCES, INC.,	30/04/2010	DELHI
85	280445	2567/DEL/2008	12/11/2008 15:17:01	14/11/2007	REAR VEHICLE BODY STRUCTURE	SUZUKI MOTOR CORPORATION	20/08/2010	DELHI
86	280450	8631/DELNP/2011	28/05/2010	03/06/2009	"SLURRY BED FISCHER-TROPSCH CATALYSTS WITH SILICA/ALUMINA STRUCTURAL PROMOTERS"	RES USA, LLC	11/01/2013	DELHI
87	280451	4325/DELNP/2010	19/11/2008	25/12/2007	"ELECTRODIALYSIS DEVICE AND PROCESS"	GENERAL ELECTRIC COMPANY	19/11/2010	DELHI
88	280453	1633/DELNP/2009	10/09/2007	11/09/2006	"EDIBLE WAFER PRODUCTS PRODUCED BY EXTRUSION"	NESTEC S.A.	15/05/2009	DELHI
89	280457	5458/DELNP/2007	28/12/2005	28/12/2004	"NITRIDE PHOSPHOR, METHOD FOR PRODUCING THIS NITRIDE PHOSPHOR, AND LIGHT EMITTING DEVICE THAT USES THIS NITRIDE PHOSPHOR"	NICHIA CORPORATION	17/08/2007	DELHI
90	280459	8335/DELNP/2010	15/07/2009	15/07/2008	"STEEL PRODUCT FOR WELDING"	NIPPON STEEL & SUMITOMO METAL CORPORATION	02/03/2012	DELHI
91	280461	878/DEL/2003	08/07/2003	16/07/2002	"ROTATING DOBBY FOR WEAVING LOOM AND WEAVING LOOM EQUIPPED WITH SUCH A DOBBY"	STAUBLI FAVERGES	07/02/2014	DELHI
92	280462	2177/DELNP/2009	08/11/2006	08/11/2006	"ELEVATOR BRAKING DEVICE"	OTIS ELEVATOR COMPANY	02/07/2010	DELHI
93	280463	8122/DELNP/2007	23/03/2006	31/03/2005	"CONVEYOR IDLER SUPPORT FRAME"	SMART FRAME TECHNOLOGY PTY LTD	04/07/2008	DELHI
94	280465	4534/DELNP/2007	02/12/2005	07/12/2004	"1-PHENYL-3-PIPERAZINE-PYRAZOLES AS PESTICIDAL COMPOSITIONS OF MATTER THEREOF"	MERIAL LIMITED	31/08/2007	DELHI
95	280468	1678/DEL/2006	21/07/2006		"A NOVEL INSTRUMENT FOR TEACHING CHEMICAL SCIENCES TO VOSIA;;U JAMDOCAPPED PERSONS FOR SCIENTIFIC EQUALITY"	SINGH MAN	15/02/2008	DELHI
96	280469	515/DELNP/2009	27/06/2007	27/06/2006	"HUMAN PROTEIN TYROSINE PHOSPHATASE INHIBITORS AND METHODS OF USE"	THE PROCTER & GAMBLE COMPANY	20/08/2010	DELHI

97	280473	7445/DELNP/2009	21/05/2008	22/05/2007	ACRYLIC RUBBER COMPOSITION, AND VULCANIZED RUBBER THEREOF AND ITS APPLICATIONS	Denki Kagaku Kogyo Kabushiki Kaisha	02/07/2010	DELHI
98	280476	4830/DELNP/2010	17/12/2008	27/12/2007	"LUBRICATING COMPOSITION CONTAINING DETERGENT"	THE LUBRIZOL CORPORATION	11/11/2011	DELHI
99	280477	2825/DELNP/2009	19/11/2007	30/11/2006	"EXTENSIBLE NONWOVEN WEBS CONTAINING MONOCOMPONENT NANOCOMPOSITE FIBERS"	THE PROCTER & GAMBLE COMPANY	19/06/2009	DELHI
100	280478	505/DEL/2005	09/03/2005	09/04/2004	"SYSTEM FOR RESOLVING CONFLICTS IN SYNCHRONIZATION OF LOCAL CREDENTIALS AND REMOTE CREDENTIALS"	MICROSOFT TECHNOLOGY LICENSING, LLC	16/03/2007	DELHI
101	280480	1126/DELNP/2011	14/07/2009	16/07/2008	"METHOD AND APPARATUS FOR REFINING COAL"	BRUSO, BRUCE, L.	09/12/2011	DELHI
102	280481	705/DELNP/2010	25/07/2008	25/07/2007	"PROCESSES FOR PREPARING 1,1,2,3-TETRACHLOROPROPENE"	HONEYWELL INTERNATIONAL INC.,	14/10/2011	DELHI
103	280482	3592/DELNP/2009	02/11/2007	02/11/2006	"ALK 1 RECEPTOR AND LIGAND ANTIGONISTS AND USE THERE OF"	ACCELERON PHARMA, INC.	16/04/2010	DELHI
104	280483	752/DEL/2012	15/03/2012		"METHOD OF CREATING STABLE ANTI CORROSIVE LOW POTENTIAL ELECTROCHEMICAL OXIDATION SITE ON AN ELECTRODE"	HARISH KANDHARI	14/08/2015	DELHI
105	280484	1799/DELNP/2009	17/08/2007	18/08/2006	"AMINO ACID SEQUENCES DIRECTED AGAINST IL-6R AND POLYPEPTIDES COMPRISING THE SAME FOR THE TREATMENT OF DISEASES OF DISORDERS ASSOCIATED WITH IL-6-MEDIATED SIGNALLING"	ABLYNX N.V.	12/06/2009	DELHI
106	280485	3191/DELNP/2010	18/09/2008	06/11/2007	"AZEOTROPE-LIKE COMPOSITION OF 1,1,1-TRIFLUORO-3-CHLOROPROPENE AND METHYL FORMATE"	ARKEMA INC.	27/01/2012	DELHI

107	280487	1354/DEL/2008	06/06/2008 15:30:50	28/06/2007	"SCOOTER-TYPE VEHICLE"	HONDA MOTOR CO.,LTD.	16/01/2009	DELHI
108	280488	6234/DELNP/2009	03/04/2008	04/04/2007	"METHOD FOR SELECTIVELY CONTROLLING WEEDS IN THE VICINITY OF A BRASSICA AND METHOD FOR TREATING SEED OF A BRASSICA"	BASF SE,VITERRA, INC.	21/05/2010	DELHI
109	280489	5053/DELNP/2008	28/12/2005	28/12/2005	"SHEAVE FOR USE IN AN ELEVATOR SYSTEM"	OTIS ELEVATOR COMPANY,	26/09/2008	DELHI
110	280491	7446/DELNP/2010	23/03/2009	21/03/2008	"ADHESION PROMOTION OF METAL TO LAMINATE WITH MULTI-FUNCTIONAL MOLECULAR SYSTEM"	ENTHONE INC.	09/09/2011	DELHI
111	280493	9187/DELNP/2008	04/04/2007	04/04/2006	SACROILIAC BELT AND COMPOSITE STRUCTURE	SEROLA, RICHARD, J	27/03/2009	DELHI
112	280494	2062/DELNP/2010	29/08/2008	29/08/2007	"A METHOD OF PRODUCING A HIGHLY ACOUSTICAL, WET-FORMED SUBSTRATE"	ARMSTRONG WORLD INDUSTRIES INC.	20/08/2010	DELHI
113	280495	6085/DELNP/2008	04/01/2007	05/01/2006	A FLEXIBLE SEGMENTATION SCHEME FOR COMMUNICATION SYSTEMS	NOKIA TECHNOLOGIES OY	26/09/2008	DELHI
114	280496	2261/DELNP/2009	04/10/2007	04/10/2006	"DUAL SUBSEA PRODUCTION CHOKES FOR HIGH PRESSURE WELL PRODUCTION"	FLUOR TECHNOLOGIES CORPORATION	02/07/2010	DELHI
115	280497	853/DEL/2009	24/04/2009 13:16:23	03/06/2008	"OIL LEVEL DETECTING SWITCH"	HONDA MOTOR CO. LTD	30/04/2010	DELHI
116	280498	2639/DEL/2006	11/12/2006 12:19:42	13/12/2005	"IMPROVED FRICTION DEVICE FOR A CLUTCH, IN PARTICULAR FOR A MOTOR VEHICLE"	VALEO MATERIAUX DE FRICTION	24/08/2007	DELHI
117	280501	5339/DELNP/2009	06/03/2008	26/03/2007	"CONNECTION ASSEMBLY FOR COMPONENTS OF A WIND TURBINE"	SENVION SE	26/03/2010	DELHI
118	280504	5047/DELNP/2010	19/12/2008	19/12/2007	STABLE ELSAMITRUCIN SALT FORMULATIONS	SPECTRUM PHARMACEUTICALS, INC.	18/11/2011	DELHI
119	280506	6379/DELNP/2010	19/02/2009	21/02/2008	AZEOTROPE COMPOSITIONS COMPRISING 3,3,3-TRIFLUOROPROPENE AND HYDROGEN FLUORIDE AND PROCESSES FOR SEPARATION THEREOF	E. I. DU PONT DE NEMOURS AND COMPANY	09/09/2011	DELHI

120	280508	3873/DELNP/2007	27/10/2004	27/10/2004	IMPROVED WEAR RESISTANT ALLOY	GLOBAL TOUGH ALLOYS PTY LTD.	31/08/2007	DELHI
121	280509	5775/DELNP/2008	27/11/2006	05/12/2005	"STRESS-REDUCER FOR SHOULDER AND THE USE THEREOF"	ALL OF IT SCANDINAVIA AB	24/10/2008	DELHI
122	280511	6580/DELNP/2007	08/02/2006	08/02/2005	"BY-PASS VALVE"	BORGWARNER EMISSIONS SYSTEMS SPAIN, S.L.U.	21/09/2007	DELHI
123	280512	1916/DEL/2006	25/08/2006 14:48:59	09/09/2005	"PITCH CONTROL BATTERY BACKUP METHODS AND SYSTEM"	GENERAL ELECTRIC COMPANY	17/08/2007	DELHI
124	280513	3266/DELNP/2011	24/11/2009	25/11/2008	"ORAL CARE COMPOSITIONS"	THE PROCTER & GAMBLE COMPANY	06/04/2012	DELHI
125	280515	2337/DEL/2007	08/11/2007 12:54:27		"PROCESSESS FOR GEOMETRIC ISOMERIZATION OF HALOGENATED OLEFINS"	HONEYWELL INTERNATIONAL INC.,	19/06/2009	DELHI
126	280516	7350/DELNP/2010	02/06/2009	05/06/2008	"SULFONAMIDE COMPOUNDS AND THE USE"	ASAHI KASEI PHARMA CORPORATION	24/02/2012	DELHI
127	280517	5333/DELNP/2010	22/01/2009	23/01/2008	"4-PYRIDINONE COMPOUNDS AND THEIR USE "	BRISTOL-MYERS SQUIBB COMPANY	25/02/2011	DELHI
128	280518	8567/DELNP/2007	28/04/2006	03/05/2005	"TOOTHBRUSH ASSEMBLY"	COLGATE-PALMOLIVE COMPANY	27/06/2008	DELHI
129	280520	8640/DELNP/2008	30/03/2007	31/03/2006	"A METHOD FOR PRODUCING A MODIFIED IGg ANTIBODY"	CHUGAI SEIYAKU KABUSHIKI KAISHA	15/05/2009	DELHI
130	280521	713/DEL/2007	30/03/2007 13:04:19		A FORMULATION FOR FLAVOUR ENRICHED COMPOUNDED ASAFOETIDA AND A PROCESS FOR THE PREPARATION THEREOF.	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	26/12/2008	DELHI
131	280523	2091/DELNP/2010	10/09/2008	10/09/2007	"SUBSTITUTED ISOXAZOLINE COMPOUND AND PEST CONTROL AGENT"	NISSAN CHEMICAL INDUSTRIES, LTD.	20/08/2010	DELHI
132	280527	2361/DELNP/2012	17/08/2004	03/09/2009	"AQUEOUS COMPOSITIONS AND METHOD FOR CLEANING GAS TURBINE COMPRESSOR BLADES"	GENERAL ELECTRIC COMPANY	21/08/2015	DELHI
133	280528	5863/DELNP/2009	12/03/2008	13/03/2007	"A PNEUMATIC TIRE"	BRIDGESTONE CORPORATION	27/04/2012	DELHI
134	280529	5841/DELNP/2008	26/01/2007	26/01/2006	"SYSTEM AND METHODS FOR DIVERTING OBJECTS"	LAITRAM, L.L.C.	26/09/2008	DELHI

135	280530	7849/DELNP/2010	29/05/2009	02/06/2008	"NOVEL WAX DISPERSION FORMULATIONS, METHOD OF PRODUCING SAME, AND USES"	HONEYWELL INTERNATIONAL INC.	02/03/2012	DELHI
136	280531	6439/DELNP/2008	27/02/2007	01/03/2006	VERSATILE OXIDATION BYPRODUCT PURGE PROCESS	GRUPO PETROTEMEX, S.A. DE C.V.	19/08/2016	DELHI
137	280535	7347/DELNP/2006	05/07/2005	19/07/2004	"WIRELESS NETWORK MANAGEMENT WITH ANTENNA CONTROL"	CISCO TECHNOLOGY, INC	13/07/2007	DELHI
138	280538	1609/DEL/2008	04/07/2008 12:06:14	12/09/2007	"FRONT/REAR INTERLOCKING BRAKE DEVICE OF MOTORCYCLE"	HONDA MOTOR CO. LTD.	17/04/2009	DELHI
139	280541	9213/DELNP/2007	31/05/2006	10/06/2005	"HOLLOW BOLT COMPRISING A LONGITUDINAL BORE"	EJOT GMBH & CO.KG.	18/01/2008	DELHI
140	280542	5449/DELNP/2009	20/03/2008	20/03/2007	"ADDITIVE-CONTAINING ANIONIC CLAYS FOR REDUCING SOX EMISSIONS FROM AN FCC REGENERATOR AND PROCESS FOR MAKING THEM"	ALBEMARLE NETHERLANDS B.V.	10/09/2010	DELHI
141	280547	2846/DELNP/2008	26/09/2006	29/09/2005	â€œLEAK DETECTOR FOR PROCESS VALVEâ€ •	ROSEMOUNT INC.	20/03/2009	DELHI
142	280548	9627/DELNP/2011	17/06/2010	19/06/2009	"OXYGEN SCAVENGING TERPOLYMERS"	POLYONE CORPORATION	22/02/2013	DELHI
143	280549	2666/DELNP/2009	22/10/2007	09/11/2006	"PROCESS FOR MANUFACTURING CLINKER WITH CONTROLLED CO2 EMISSION"	L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	19/06/2009	DELHI
144	280551	874/DELNP/2010	11/07/2008	12/07/2007	"ANTIMICROBIAL COMPOSITION"	ALEXANDR A. GOLUB	06/08/2010	DELHI
145	280552	1909/DEL/2006	25/08/2006 11:15:09	14/09/2005	X-RAY FLUORESCENECE SPECTROMETER	RIGAKU CORPORATION	24/08/2007	DELHI
146	280553	1447/DEL/2009	07/02/2005	13/04/2004	"PROCESS FOR THE SYNTHESIS OFIVABRADINE, PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF AND HYDRATES THEREOF "	LES LABORATOIRES SERVIER	19/02/2010	DELHI
147	280554	3664/DELNP/2005	03/07/2002	10/03/2003	A METHOD FOR LOADING MEDIA DATA TO PORTABLE DATA CARRIER	GIESECKE & DEVRIENT GMBH	19/01/2007	DELHI

148	280560	4787/DELNP/2010	02/01/2009	04/01/2008	"SURFACE ALLOYED MEDICAL IMPLANT"	SMITH & NEPHEW, INC.	10/12/2010	DELHI
149	280561	1247/DELNP/2008	29/06/2006	26/07/2005	"ARRANGEMENT FOR GENERATING DUAL IMAGES"	SNAPTRACK, INC.	20/06/2008	DELHI
150	280562	2472/DEL/2010	18/10/2010 11:39:19	25/11/2009	"METAL ALLOY CATALYST COMPOSITION"	ROHM AND HAAS COMPANY	04/10/2013	DELHI
151	280564	252/DELNP/2011	12/06/2009	13/06/2008	A DRY POWDER INHALER AND SYSTEM FOR DRUG DELIVERY	MANNKIND CORPORATION	13/01/2012	DELHI
152	280566	9836/DELNP/2008	05/06/2007	07/06/2006	COMPONENT CONTROL DEVICE, SYSTEMS, AND METHODS	The Gillette Company LLC	22/05/2009	DELHI
153	280569	8151/DELNP/2011	18/05/2009	18/05/2009	"ORAL COMPOSITIONS CONTAINING POLYGUANIDINIUM COMPOUNDS AND METHODS OF MANUFACTURE AND USE THEREOF"	COLGATE-PALMOLIVE COMPANY	04/01/2013	DELHI
154	280570	5738/DELNP/2010	16/01/2009	16/01/2008	"TREATING NEURODEGENERATIVE DISEASES WITH PROGRANULIN (PGRN)"	NEURODYN, INC.	18/11/2011	DELHI
155	280571	7848/DELNP/2007	04/04/2006	04/04/2005	"SUBSTITUTED OXAZOLE DERIVATIVES AND THEIR USE AS TYROSINE KINASE INHIBITORS"	AB SCIENCE,CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS),INSTITUT CURIE	09/11/2007	DELHI
156	280572	2099/DELNP/2009	06/10/2007	19/10/2006	"FUNGICIDAL AND INSECTICIDAL COMPOSITION"	BAYER INTELLECTUAL PROPERTY GMBH	22/05/2009	DELHI
157	280575	4176/DELNP/2009	09/01/2008	15/01/2007	â€œKNEE-PROTECTING AIRBAG APPARATUSâ€ •	TOYOTA JIDOSHA KABUSHIKI KAISHA	01/01/2010	DELHI
158	280576	2486/DELNP/2011	04/09/2009	01/10/2008	"PREPARATION OF ALKYLATION FEED"	CATALYTIC DISTILLATION TECHNOLOGIES	30/03/2012	DELHI
159	280577	5713/DELNP/2008	19/07/2007	19/07/2007	â€œCOOLING CONTROL METHOD, COOLING CONTROL APPARATUS, AND COOLING WATER AMOUNT CALCULATION APPARATUSâ€ •	NIPPON STEEL & SUMITOMO METAL CORPORATION	31/07/2009	DELHI
160	280580	442/DELNP/2009	09/07/2007	19/07/2006	AN APPARATUS FOR SUPPORTING A GRANULAR SOLID IN CROSS FLOW SYSTEM	UOP LLC	20/08/2010	DELHI

161	280583	5158/DELNP/2008	18/12/2006	22/12/2005	PROCESS FOR BURNING FUEL USING OXYGEN-RICH OXYGENATED GAS	L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	26/09/2008	DELHI
162	280584	4122/DELNP/2009	13/02/2008	01/03/2007	"TORSION BEAM SUSPENSION"	TOYOTA JIDOSHA KABUSHIKI KAISHA	01/01/2010	DELHI
163	280586	5239/DELNP/2005	04/12/2000	03/12/1999	"PHOSPHONATE COMPOUND"	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, SAN DIEGO	30/11/2007	DELHI

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	280325	1669/MUMNP/2012	09/12/2010	09/12/2009	"DIVALENT AND OXABRIDGED HETEROCYCLIC NEONICOTINOID COMPOUNDS AND PREPARATION METHODS THEREOF"	EAST CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY	17/08/2012	MUMBAI
2	280349	1655/MUM/2009	16/07/2009 15:01:11		DATA PROTECTION SYSTEM	TATA CONSULTANCY SERVICES LIMITED	07/10/2011	MUMBAI
3	280394	260/MUMNP/2010	10/07/2008	03/08/2007	â€œA-CYANO-4-FLUORO-3-PHENOXYBENZYL META-HALO PYRETHRATE, A PROCESS FOR PREPARING THE SAME AND THE USES THEREOFâ€ •	EAST CHINA NORMAL UNIVERSITY	09/07/2010	MUMBAI
4	280414	2036/MUM/2009	07/09/2009 12:58:49		SYSTEM FOR OBTAINING INFORMATION ABOUT TV BROADCASTS VIA A PLURALITY OF CHANNELS	TATA CONSULTANCY SERVICES LIMITED	02/03/2012	MUMBAI
5	280419	2397/MUM/2010	27/08/2010 16:12:20		PURIFICATION OF WATER	TATA CONSULTANCY SERVICES LIMITED	06/09/2013	MUMBAI
6	280519	2440/MUMNP/2010	30/04/2009	15/05/2008	A feedwell for a separation device,	OUTOTEC OYJ	04/03/2011	MUMBAI
7	280522	2699/MUM/2009	23/11/2009 16:01:55	26/11/2008	SIMULTANEOUS USE OF MULTIPLE PHONE NUMBERS IN MOBILE DEVICE BY SHARING HARDWARE	VIA TECHNOLOGIES, INC.	15/10/2010	MUMBAI
8	280533	2252/MUMNP/2007	02/06/2006	02/06/2005	SYSTEM AND METHOD OF COMPUTER - AIDED DETECTION	SALIENT IMAGING INC	01/02/2008	MUMBAI
9	280537	1207/MUMNP/2008	25/04/2006	28/12/2005	ADHESIVE PATCH	TEIKOKU SEIYAKU CO., LTD.	18/07/2008	MUMBAI
10	280545	733/MUMNP/2010	23/10/2008	25/10/2007	HAIR CARE COMPOSITION.	HINDUSTAN UNILEVER LIMITED	20/08/2010	MUMBAI

11	280555	1120/MUM/2008	26/05/2008 17:34:54		A PROCESS FOR PREPARATION OF LIQUID HYDROCARBONS BY FISCHER TROPSCH NBSP;SYNTHESIS	MUMBAI UNIVERSITY INSTITUTE OF CHEMICAL TECHNOLOGY	04/12/2009	MUMBAI
12	280556	91/MUMNP/2012	27/04/2007	01/05/2006	"HYDROGEN PEROXIDE VAPORIZER"	AMERICAN STERILIZER COMPANY	18/05/2012	MUMBAI
13	280567	1948/MUM/2010	06/07/2010 16:45:57		AN IMPROVED MECHANISM FOR TEMPERATURE COMPENSATION BY THE USER IN THERMO MAGNETIC RELEASE ASSEMBLY IN MULTI-POLE MOLDED CASE CIRCUIT BREAKERS	LARSEN & TOUBRO Â LIMITED	10/08/2012	MUMBAI
14	280578	2343/MUMNP/2008	19/04/2007	20/04/2006	IMAGE SCALING METHOD AND APPARATUS	QUALCOMM INCORPORATED	27/02/2009	MUMBAI

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	280297	706/CHENP/2009	12/07/2007	18/07/2006	PROCESS FOR THE PRODUCTION OF ALKYL ETHERS BY THE ETHERIFICAITON OF ISOBUTENE	SAIPEM S.P.A	29/05/2009	CHENNAI
2	280299	19/CHE/2009	05/01/2009		IMPROVED PROCESS FOR THE PREPARATION OF NEBIVOLOL HYDROCHLORIDE	MSN Laboratories Limited	16/07/2010	CHENNAI
3	280303	7652/CHENP/2009	28/05/2008	31/05/2007	METHOD FOR THE PRODUCTION OF 4-FORMYLAMINOPIPERIDINE DERIVATIVES	BASF SE	18/06/2010	CHENNAI
4	280313	861/CHENP/2008	21/07/2006	21/07/2005	N-(ARYLAMINO)-SULFONAMIDE INHIBITORS OF MEK	ARDEA BIOSCIENCES, INC	28/11/2008	CHENNAI
5	280317	3011/CHENP/2010	08/07/1999	16/07/1998	HERBICIDAL COMPOSITIONS	Bayer Intellectual Property GmbH	12/11/2010	CHENNAI
6	280318	671/CHENP/2009	31/07/2007	14/08/2006	BROADCAST ANCHOR AVILABILITY INDICATION	LUCENT TECHNOLOGIES INC	05/06/2009	CHENNAI
7	280336	3101/CHENP/2008	17/08/2006	19/12/2005	DEVICES, METHODS, AND COMPUTER PROGRAM PRODUCTS FOR CONTROLLING POWER TRANSFER TO AN ANTENNA IN A WIRELESS MOBILE TERMINAL	SONY ERICSSON MOBILE COMMUNICATIONS AB	06/03/2009	CHENNAI
8	280339	2492/CHE/2009	14/10/2009		"PROCESS FOR THE PREPARATION OF LAMIVUDINE"	MYLAN LABORATORIES LTD	09/03/2012	CHENNAI
9	280356	4601/CHENP/2008	21/02/2007	30/03/2006	CREATING TEMPLATES OF OFFLINE RESOURCES	MICROSOFT TECHNOLOGY LICENSING, LLC.	13/03/2009	CHENNAI
10	280357	4910/CHENP/2009	22/02/2008	23/02/2007	ELECTROPHYSIOLOGICAL ANALYSIS SYSTEM	IMPETO MEDICAL	30/10/2009	CHENNAI
11	280359	5922/CHENP/2008	10/04/2007	01/05/2006	A TOOL FOR DETACHABLY ENGAGING A TOOL ATTACHMENT	JODA ENTERPRISES, INC.	27/03/2009	CHENNAI
12	280361	428/CHENP/2008	21/07/2006	27/07/2005	INFORMATION RECORDING MEDIUM, RECORDING DEVICE, AND RECORDING METHOD	PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.	19/09/2008	CHENNAI

13	280362	3945/CHENP/2008	27/12/2006	28/12/2005	METHOD AND APPARATUS FOR DETECTING A FAULT CONDITION AND RESTORATION THEREAFTER USING USER CONTEXT INFORMATION	QUALCOMM INCORPORATED	13/03/2009	CHENNAI
14	280363	2279/CHENP/2008	09/11/2006	10/11/2005	DETECTION OF IMMOBILIZED CONTRAST AGENT IN MEDICAL IMAGING APPLICATIONS BASED ON FLOW DYNAMICS ANALYSIS	BRACCO SUISSE S A	06/03/2009	CHENNAI
15	280364	2478/CHE/2008	10/10/2008 16:47:41	10/10/2006	AES ENCRYPTION/DECRYPTION CIRCUIT	CANON KABUSHIKI KAISHA	13/03/2015	CHENNAI
16	280366	3185/CHE/2008	18/12/2008	19/12/2007	CARBON DIOXIDE SEPARATION VIA PARTIAL PRESSURE SWING CYCLIC CHEMICAL REACTION	AIR PRODUCTS AND CHEMICALS, INC.	21/08/2009	CHENNAI
17	280379	4510/CHENP/2008	13/03/2007	13/03/2006	TRANSMITTING A SYNCHRONIZING SIGNAL IN A PACKET NETWORK	THOMSON LICENSING	13/03/2009	CHENNAI
18	280381	830/CHENP/2009	07/08/2007	11/08/2006	SYSTEMS AND METHODS FOR GENERATING DYNAMIC RELATIONSHIP-BASED CONTENT PERSONALIZED FOR MEMBERS OF A WEB-BASED SOCIAL NETWORK	FACEBOOK, INC	05/06/2009	CHENNAI
19	280382	2753/CHE/2010	21/09/2010 15:45:15	24/09/2009	A METHOD OF PRODUCING ROD-TYPE POLYSILICON HAVING IMPROVED BREAKING PROPERTIES	WACKER CHEMIE AG	20/05/2011	CHENNAI
20	280383	2990/CHE/2007	14/12/2007		METHOD TO PROVIDE REMOTE PRINT TO AN MFP THROUGH PSTN	SAMSUNG R&D INSTITUTE INDIA - BANGALORE PRIVATE LIMITED	11/09/2009	CHENNAI
21	280384	5158/CHENP/2008	01/05/2007	01/05/2006	METHOD FOR PRESENTING INFORMATION ASSOCIATED WITH A TARGET TO A USER	CISCO TECHNOLOGY, INC.,	20/03/2009	CHENNAI
22	280387	4549/CHENP/2009	01/02/2008	01/02/2007	"A LUBRICATING COMPOSITION COMPRISING A BASE OIL AND A CYCLOPENTADIENYL MOLYBDENUM HEXA-CARBONYL COMPLEX"	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	11/09/2009	CHENNAI

23	280388	132/CHENP/2009	20/07/2007	21/07/2006	FALSE CHANNEL DETECTION FOR WIRELESS COMMUNICATION	QUALCOMM INCORPORATED	05/06/2009	CHENNAI
24	280391	4090/CHENP/2008	01/02/2007	09/02/2006	MODIFIED PIGMENTS FOR INK-JET PRINTING INKS AND METHOD OF MAKING MODIFIED PIGMENTS	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.,	13/03/2009	CHENNAI
25	280393	3450/CHENP/2010	12/12/2008	13/12/2007	PHOTOCHROMIC CURABLE COMPOSITION	TOKUYAMA CORPORATION	26/11/2010	CHENNAI
26	280398	127/CHE/2008	14/01/2008 17:46:39		THROTTLE POSITION SENSOR ASSEMBLY FOR A TWO-WHEELED VEHICLE	TVS MOTOR COMPANY LIMITED	07/08/2009	CHENNAI
27	280401	6776/CHENP/2008	29/05/2007	31/05/2006	METHOD AND DEVICE FOR CONTROLLING THE PRODUCTION OF A MIXTURE OF COMPONENTS, IN PARTICULAR A MIXTURE WITH PREMIX DEAD VOLUMES	Total Raffinage France	27/03/2009	CHENNAI
28	280405	990/CHENP/2010	25/07/2008	26/07/2007	NEW COMPOSITIONS BASED ON POLYSACCHARIDES GRAFTED BY POLYAMINE OR POLYSULPHURISED COMPOUNDS	LABORATOIRES CYCLOPHARMA	30/10/2015	CHENNAI
29	280407	3503/CHENP/2007	01/02/2006	10/02/2005	SOUND SYNTHESIS	KONNINKLIJKE PHILIPS ELECTRONICS N.V	16/11/2007	CHENNAI
30	280410	856/CHE/2008	04/04/2008		POWER SUPPLY CONTROL AND MONITORING SYSTEM	TEJAS NETWORKS INDIA LTD	02/07/2010	CHENNAI
31	280413	505/CHENP/2008	07/06/2006	17/03/2006	CATALYTIC CRACKING PROCESS USING FAST FLUIDIZATION FOR THE PRODUCTION OF LIGHT OLEFINS FROM HYDROCARBON FEEDSTOCK"	SK INNOVATION CO, LTD	19/09/2008	CHENNAI
32	280415	1298/CHE/2006	26/07/2006		LIQUID COMPOSITION AND DEVICE COMPRISING SAME FOR PEST CONTROL	SUMITOMO CHEMICAL COMPANY, LIMITED	08/02/2008	CHENNAI
33	280416	5226/CHENP/2007	17/05/2006	18/05/2005	BALANCING PLATE-SHUTTLE BALL	WHITE DRIVE PRODUCTS, INC	11/01/2008	CHENNAI
34	280420	4688/CHENP/2008	09/03/2007	10/04/2006	MINING DATA FOR SERVICES	MICROSOFT TECHNOLOGY LICENSING, LLC	13/03/2009	CHENNAI

35	280421	3991/CHENP/2009	12/11/2007	11/12/2006	VEHICLE DOOR AND METHOD FOR MANUFACTURING THE SAME	HONDA MOTOR CO., LTD.	11/03/2016	CHENNAI
36	280423	1040/CHE/2010	13/04/2010 19:42:16	15/04/2009	A METHOD AND SYSTEM FOR SETTING PARTITION VISIBILITY USING A MASTER BOOT RECORD	Research In Motion Limited	10/12/2010	CHENNAI
37	280426	281/CHENP/2008	14/07/2006	18/07/2005	SEPERABLE FUEL CATRIDGE	SOCIETE BIC	19/09/2008	CHENNAI
38	280428	1139/CHENP/2009	10/01/2003	11/01/2002	MULTIPLE REACTOR, VAPOR PHASE CATALYTIC OXIDATION METHOD USING MULTIPLE REACTOR, AND START-UP METHOD APPLIED TO MULTIPIPE REACTOR	MITSUBISHI CHEMICAL CORPORATION	29/05/2009	CHENNAI
39	280429	2136/CHENP/2009	10/01/2003	11/01/2002	MULTIPLE REACTOR, VAPOR PHASE CATALYTIC OXIDATION METHOD USING MULTIPIPE REACTOR, AND START-UP METHOD APPLIED TO MULTIPIPE REACTOR	MITSUBISHI CHEMICAL CORPORATION	16/09/2011	CHENNAI
40	280431	4496/CHENP/2008	28/11/2006	28/02/2006	CARBONYL HYDROGENATED KETONE ALDEHYDE RESINS, DEVOID OF FORMALDEHYDE, BASED ON FORMALDEHYDE AND ASSOCIATED PRODUCTION METHOD	EVONIK DEGUSSA GMBH	13/03/2009	CHENNAI
41	280433	7428/CHENP/2009	14/05/2008	22/05/2007	METHOD FOR PRODUCING BENZALDEHYDE COMPOUND	SUMITOMO CHEMICAL COMPANY, LIMITED	09/04/2010	CHENNAI
42	280437	812/CHENP/2010	11/08/2008	14/08/2007	A METHOD FOR MANAGEMENT OF A TR-069 OBJECT MODEL	ALCATEL LUCENT	02/07/2010	CHENNAI
43	280442	6420/CHENP/2009	21/05/2008	25/05/2007	SCRAMBLING METHODS FOR SYNCHRONIZATION CHANNELS	Qualcomm Incorporated	18/06/2010	CHENNAI
44	280444	1068/CHENP/2009	27/07/2007	27/07/2006	ANTI-MICROBIAL PHOTODYNAMIC THERAPY	BIOLITEC UNTERNEHMENSBETEILIGUNGS II AG	29/05/2009	CHENNAI
45	280446	914/CHENP/2011	13/07/2009	15/07/2008	A PUMP HEAD FOR A FUEL PUMP	Delphi International Operations Luxembourg S.Ã r.l.	02/12/2011	CHENNAI

46	280447	3722/CHENP/2009	27/12/2007	27/12/2006	A COMBINED PROCESS FOR HYDROTREATING AND CATALYTIC CRACKING OF RESIDUE	CHINA PETROLEUM & CHEMICAL CORPORATION,RESEARCH INSTITUTE OF PETROLEUM PROCESSING, SINOPEC	08/07/2016	CHENNAI
47	280448	5261/CHENP/2008	01/03/2007	01/03/2006	COMPOSITION FOR METAL SURFACE TREATMENT, METAL SURFACE TREATMENT METHOD,AND METALLIC MATERIAL	CHEMETALL GMBH	20/03/2009	CHENNAI
48	280449	1962/CHE/2008	13/08/2008		AN IMPROVED AUTO-RESET MECHANISM FOR A CIRCUIT BREAKER	LARSEN & TOUBRO LIMITED	26/06/2009	CHENNAI
49	280454	4315/CHENP/2008	04/01/2007	16/01/2006	SMART RADIATION DETECTOR MODULE	KONINKLIJKE PHILIPS ELECTRONICS N.V.	13/03/2009	CHENNAI
50	280455	1991/CHENP/2007	08/11/2005	10/11/2004	PROCESS FOR PRODUCING SURFACE TREATED INTRAOCULAR LENS AND INTRAOCULAR LENS CAPABLE OF INHIBITING SECONDARY CATARACT	HOYA CORPORATION	31/08/2007	CHENNAI
51	280456	6192/CHENP/2008	03/04/2007	21/04/2006	MAGNETIC RESONANCE WITH TIME SEQUENTIAL SPIN EXCITATION	KONINKLIJKE PHILIPS ELECTRONICS N.V.	21/08/2009	CHENNAI
52	280458	5795/CHENP/2008	26/03/2007	27/03/2006	A MANDREL HOLDER HEAD WITH RELEASE/FASTENING DEVICE	DANIELI & C. OFFICINE MECCANICHE S.P.A.	27/03/2009	CHENNAI
53	280460	5879/CHENP/2008	19/04/2007	02/05/2006	ALUMINIUM COMPOSITE SHEET MATERIAL	ALERIS ALUMINUM DUFFEL BVBA	27/03/2009	CHENNAI
54	280464	136/CHENP/2010	30/05/2008	15/06/2007	PROCESS FOR THE PARTIAL HYDROGENATION OF RANDOM VINYL ARENE-CONJUGATED DIENE COPOLYMERS	VERSALIS S.p.A	16/07/2010	CHENNAI
55	280466	1324/CHE/2009	05/06/2009 10:52:32		THERMOSTATS AND ENGINE COOLING SYSTEM	P.JAMBULINGAM	30/11/2012	CHENNAI
56	280470	2571/CHENP/2008	23/11/2006	24/11/2005	METHOD OF MAKING A LITHOGRAPHIC PRINTING PLATE	AGFA GRAPHICS NV	06/03/2009	CHENNAI

57	280474	5492/CHENP/2008	04/04/2007	13/04/2006	SULPHONIUM SALT INITIATORS	BASF SE	20/03/2009	CHENNAI
58	280475	3690/CHENP/2008	09/02/2007	09/02/2006	POLYMER FORMULATIONS OF CETP INHIBITORS	Merck Sharp & Dohme Corp.	13/03/2009	CHENNAI
59	280479	976/CHENP/2010	08/08/2008	08/08/2007	APPARATUS AND METHOD FOR CHANNEL RESERVATION IN WIRELESS COMMUNICATION SYSTEMS	QUALCOMM INCORPORATED	06/08/2010	CHENNAI
60	280490	5291/CHENP/2009	20/03/2008	21/03/2007	DETECTION VALIDATION OF A H-ARQ ACKNOWLEDGMENT BY DATA COMBINING AND RE-DECODING	Qualcomm Incorporated	11/06/2010	CHENNAI
61	280492	978/CHE/2006	07/06/2006		HAEMOCONCENTRATOR	SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES & TECHNOLOGY,SID D LIFE SCIENCE PVT LTD.	28/12/2007	CHENNAI
62	280499	889/CHE/2007	26/04/2007		BATTERY CHARGING SYSTEM OF AN AUTOMOBILE	TVS MOTORS COMPANY LTD	05/12/2008	CHENNAI
63	280500	4590/CHENP/2008	22/03/2007	30/03/2006	UNIFIED SEARCHING AND RUNNING OF FILES	MICROSOFT TECHNOLOGY LICENSING, LLC	13/03/2009	CHENNAI
64	280514	6835/CHENP/2009	05/06/2008	05/06/2007	PSEUDO-RANDOM SEQUENCE MAPPING IN WIRELESS COMMUNICATIONS	Qualcomm Incorporated	18/06/2010	CHENNAI
65	280524	1132/CHENP/2010	02/09/2008	04/09/2007	PAGING USER DEVICES IN A WIRELESS ACCESS NETWORK	QUALCOMM INCORPORATED	13/08/2010	CHENNAI
66	280526	2826/CHENP/2009	15/11/2007	22/11/2006	METHOD AND SYSTEM FOR SELECTING MEDIA FOR PRESENTATION TO A MEDIA OUTPUT DEVICE	Excalibur IP, LLC	21/08/2009	CHENNAI
67	280532	940/CHENP/2010	19/08/2008	20/08/2007	â€œA METHOD FOR REDUCING NUCLEASE ACTIVITY IN A SUBTILISIN SOLUTION"	NOVOZYMES A/S	06/08/2010	CHENNAI
68	280534	267/CHENP/2009	30/07/2007	28/07/2006	A LIQUID PHARMACEUTICAL FORMULATION AND A PROCESS FOR THE PREPARATION THEREOF	FLAMEL IRELAND LIMITED	05/06/2009	CHENNAI

69	280536	4540/CHENP/2009	01/02/2008	01/02/2007	"ORGANIC MOLYBDENUM COMPOUNDS AND LUBRICATING COMPOSITIONS WHICH CONTAIN SAID COMPOUNDS"	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	11/09/2009	CHENNAI
70	280539	1656/CHENP/2010	07/01/2009	11/01/2008	EXTRACT CACHE ATTRIBUTE FACILITY AND INSTRUCTION THEREOF	INTERNATIONAL BUSINESS MACHINES CORPORATION	03/09/2010	CHENNAI
71	280543	1695/CHENP/2010	27/09/2008	27/09/2007	A METHOD OF MAKING NANOPARTICLES OR MICROPARTICLES	SAMYANG BIOPHARMACEUTICALS CORPORATION	20/08/2010	CHENNAI
72	280546	1430/CHE/2008	12/06/2008 16:25:44		SYSTEM AND METHOD FOR ASSESSING DOCUMENT IMAGE VIABILITY	NEWGEN SOFTWARE TECHNOLOGIES LIMITED	16/10/2009	CHENNAI
73	280550	3014/CHENP/2008	14/12/2006	16/12/2005	DETECTING IMPROVED QUALITY COUNTERFEIT MEDIA	NCR CORPORATION	06/03/2009	CHENNAI
74	280557	2220/CHENP/2009	24/10/2007	24/10/2006	PLASMIN-OR PLASMAKALLIKREIN-INHIBITORY COMPOUNDS OF GENERAL FORMULA I AND PROCESS FOR PREPARATION OF THE SAME	The Medicines Company (Leipzig) GmbH	25/06/2010	CHENNAI
75	280559	2376/CHENP/2008	07/12/2006	29/12/2005	DYNAMICALLY REPOSITIONING WORKFLOW BY END USERS	MICROSOFT TECHNOLOGY LICENSING, LLC	06/03/2009	CHENNAI
76	280563	44/CHENP/2009	27/06/2007	05/07/2006	A DROGUE ASSEMBLY FOR IN-FLIGHT REFUELLING	FLIGHT REFUELLING LIMITED	29/05/2009	CHENNAI
77	280565	3077/CHE/2007	24/12/2007		METHOD OF MANUFACTURING VENEER LAMINATED LUMBER(VLL)- AN ECO FRIENDLY WOOD COMPOSITE PRODUCT	S S G BHASKHAR RAJHAN	25/06/2010	CHENNAI
78	280568	708/CHENP/2009	25/05/2007	09/08/2006	"A METHOD FOR OIL RECOVERY"	ITALMATCH CHEMICALS SpA	29/05/2009	CHENNAI
79	280573	3183/CHENP/2010	26/11/2008	30/11/2007	PROCESS FOR THE PREPARATION OF PROPYLENE RANDOM COPOLYMERS AND THE PRODUCT THEREOF	BOREALIS TECHNOLOGY OY	19/11/2010	CHENNAI
80	280581	5716/CHE/2015	26/10/2015 11:35:54		AN IMPROVED PROCESS FOR THE PREPARATION OF LEDIPASVIR	OPTIMUS DRUGS (P) LIMITED	22/07/2016	CHENNAI

81	280582	5017/CHENP/2009	14/03/2008	17/03/2007	CONFIGURABLE ACKNOWLEDGEMENT PROCESSING IN A WIRELESS COMMUNICATION SYSTEM	Qualcomm Incorporated	18/06/2010	CHENNAI
82	280585	1399/CHE/2007	29/06/2007		METHOD OF INITIATING SEARCH SERVICE BY A HANDHELD DEVICE USING AN RFID BASED TRIGGER	SAMSUNG R&D INSTITUTE INDIA-BANGALORE PRIVATE LIMITED	13/02/2009	CHENNAI
83	280590	1483/CHE/2007	09/07/2007	10/07/2006	EQUIPMENT FOR DETERMINING THE LOAD IN A LIFT CAGE	INVENTIO AG	28/11/2008	CHENNAI
84	280591	1006/CHE/2006	09/06/2006		METHODS AND SYSTEMS FOR DESIGNING HIGH RESOLUTION ANALOG TO DIGITAL CONVERTERS	Cadence AMS Design India Private Limited	14/12/2007	CHENNAI

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	280301	4041/KOLNP/2010	11/05/2009	12/05/2008	SOLAR CELLS AND METHOD OF MAKING SOLAR CELLS	VILLANOVA UNIVERSITY	07/01/2011	KOLKATA
2	280304	1023/KOL/2009	30/07/2009 15:44:24		AN INNOVATIVE MULTIPLE PULSE REVERSE BIAS MENDING TECHNIQUE FOR THIN FILM SOLAR CELL MODULES	BHARAT HEAVY ELECTRICALS LIMITED	22/07/2011	KOLKATA
3	280306	294/KOLNP/2009	25/07/2007	26/07/2006	SOFT DECISION PROCESSING	MSTAR SEMICONDUCTOR, INC.,MSTAR SOFTWARE R&D (SHENZHEN) LTD.,,MSTAR FRANCE SAS,MSTAR SEMICONDUCTOR, INC.,	08/05/2009	KOLKATA
4	280310	1265/KOL/2009	20/10/2009 16:53:34		AN AQUEOUS TRANSPARENT SOLUTION FOR USE IN PERSONAL CARE FORMULATIONS	ITC LIMITED	19/10/2012	KOLKATA
5	280315	4007/KOLNP/2009	19/05/2008	17/05/2007	A PROCESS FOR PREPARING 2-(5-(4-(2-MORPHOLINOETHOXY)PHENYL)PYRIDIN-2-YL)-N-BENZYLACETAMIDE	ATHENEX, INC.	05/03/2010	KOLKATA
6	280323	2600/KOLNP/2006	11/03/2005	12/03/2004	APPARATUS AND METHOD FOR TRANSMITTING A SUB-CHANNEL SIGNAL IN A COMMUNICATION SYSTEM USING AN ORTHOGONAL FREQUENCY DIVISION MULTIPLE ACCESS SCHEME	SAMSUNG ELECTRONICS CO.LTID	01/06/2007	KOLKATA
7	280330	5055/KOLNP/2010	26/06/2009	08/07/2008	WIRELESS USB DEVICE AND WIRELESS USB COMMUNICATION SYSTEM	RICOH COMPANY, LIMITED	04/03/2011	KOLKATA

8	280331	840/KOLNP/2009	29/12/2006	24/08/2006	DEVICE AND METHOD FOR ADJUSTING THE DOWNLINK CONTROL CHANNEL ACROSS RNCS IN HIGH SPEED UPLINK PACKET ACCESS	ZTE CORPORATION	22/05/2009	KOLKATA
9	280338	1301/KOLNP/2011	21/07/2005	21/07/2004	PREPARATION OF ALKYL-SUBSTITUTED 2-DEOXY-2-FLUORO-D-RIBOFURANOSYL PYRIMIDINES AND PURINES AND THEIR DERIVATIVES	GILEAD PHARMASSET LLC	15/04/2016	KOLKATA
10	280340	870/KOL/2009	16/06/2009 16:33:55		A JIG FOR PROTECTING THE BENDING OF GLASS SHEET DURING TRANSPARENT CONDUCTIVE FILM DEPOSITION IN A HOT FURNACE	BHARAT HEAVY ELECTRICALS LIMITED	11/05/2012	KOLKATA
11	280352	3199/KOLNP/2009	22/02/2008	23/02/2007	A PROCESSES FOR PREPARING CRYSTALLINE MINOCYCLINE BASE.	HOVIONE SCIENTIA LIMITED	25/12/2009	KOLKATA
12	280360	5155/KOLNP/2008	23/03/2007	19/06/2006	BASE STATION MOBILE STATION, SYNCHRONIZATION CONTROL METHOD, AND IC CHIP	NTT DOCOMO, INC.	27/03/2009	KOLKATA
13	280372	3130/KOLNP/2010	03/03/2009	03/03/2008	METHOD AND APPARATUS FOR PROCESSING AUDIO SIGNAL	LG ELECTRONICS INC.,INDUSTRY-ACADEMIC COOPERATION FOUNDATION, YONSEI UNIVERSITY	25/11/2011	KOLKATA
14	280375	2477/KOLNP/2008	13/12/2006	22/12/2005	ETHANOL-PRECIPITATED PHASEOLUS VULGARIS EXTRACTS, THEIR USE AND FORMULATIONS	INDENA S.P.A.	23/01/2009	KOLKATA
15	280395	2508/KOLNP/2008	15/12/2006	22/12/2005	Recombinant endoglucanase polypeptide comprising cellulolytic activity and process for preparing same.	AB ENZYMES OY	23/01/2009	KOLKATA
16	280441	4845/KOLNP/2008	23/04/2007	03/05/2006	GENERATION, DEPLOYMENT AND USE OF TAILORED CHANNEL QUALITY INDICATOR TABLES	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	20/03/2009	KOLKATA
17	280452	2377/KOLNP/2010	09/12/2008	14/12/2007	AZOMETHINE DIRECT DYES OR REDUCED PRECURSORS OF THESE DYES OBTAINED FROM 2-CHLORO-3-AMINO-6-METHYLPHENOL	L'OREAL	22/10/2010	KOLKATA

18	280467	164/KOLNP/2011	19/05/2009	16/06/2008	QUINOXALINEDIONE DERIVATIVES	MERCK PATENT GMBH	18/03/2011	KOLKATA
19	280471	2997/KOLNP/2009	11/04/2008	11/04/2007	18F-LABELLED FOLATES	MERCK & CIE	20/08/2010	KOLKATA
20	280472	2238/KOLNP/2010	22/12/2008	20/12/2007	BORON-CONTAINING COMPOSITIONS	U.S. BORAX, INC.	08/10/2010	KOLKATA
21	280486	677/KOL/2010	24/06/2010 16:02:27		AN ON-LOAD TAP CHANGER FOR ELECTRICAL TRANSFORMER	BHARAT HEAVY ELECTRICALS LIMITED	16/11/2012	KOLKATA
22	280502	1501/KOLNP/2007	04/10/2005	12/10/2004	ULTRA-WIDEBAND COMMUNICATION APPARATUS AND METHODS	INTELLECTUAL VENTURES HOLDING 73 LLC	27/07/2007	KOLKATA
23	280503	399/KOL/2009	04/03/2009 16:15:34	09/04/2008	SYSTEM FOR DE-AERATING A HYDRAULIC FLUID IN A TRANSMISSION	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	30/04/2010	KOLKATA
24	280505	4639/KOLNP/2008	26/04/2007	30/05/2006	AUSTENITIC STAINLESS STEEL	NIPPON STEEL & SUMITOMO METAL CORPORATION	13/03/2009	KOLKATA
25	280507	4253/KOLNP/2007	04/05/2006	04/05/2005	COTTON DELINTER APPARATUS	CARVER, INC.	20/06/2008	KOLKATA
26	280510	1207/KOL/2006	13/11/2006		ENHANCED SURFACE HEAT TRANSFER TUBE FOR TUBESIDE ENHANCEMENT	TATA STEEL LIMITED	19/06/2009	KOLKATA
27	280525	2837/KOLNP/2009	18/12/2007	12/01/2007	A METHOD AND APPARATUS FOR FORMING AND DETECTING A SIGNATURE SEQUENCE	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	11/09/2009	KOLKATA
28	280540	2723/KOLNP/2010	25/12/2008	28/12/2007	DETECTION METHOD AND DETERMINATION METHOD FOR DETECTION TARGET	ORTHO-CLINICAL DIAGNOSTICS KABUSHIKI KAISHA,JNC CORPORATION	01/10/2010	KOLKATA
29	280544	4303/KOLNP/2007	02/05/2006	06/05/2005	LABEL HAVING ALIGNMENT INFORMATION	BECTON, DICKINSON AND COMPANY	06/06/2008	KOLKATA
30	280558	3825/KOLNP/2010	10/07/2009	29/07/2008	A METHOD FOR TRANSMITTING AN UPLINK CHANNEL SOUNDING REFERENCE SIGNAL	ZTE CORPORATION	17/12/2010	KOLKATA
31	280574	4526/KOLNP/2010	23/04/2009	30/04/2008	SYNCHRONIZATION METHOD OF COMMON CONTROL MESSAGES AMONG NETWORK ELEMENTS	ZTE CORPORATION	11/02/2011	KOLKATA
32	280579	3842/KOLNP/2010	03/11/2008	21/04/2008	HETEROCYCLIC COMPOUNDS	TAIGEN BIOTECHNOLOGY CO., LTD.	24/12/2010	KOLKATA

CONTINUED TO PART- 2