

पेटेंट कार्यालय  
का  
शासकीय जर्नल

**OFFICIAL JOURNAL  
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शुक्रवार  
**FRIDAY**

दिनांक: 23/08/2013  
**DATE: 23/08/2013**

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

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

23<sup>rd</sup> AUGUST, 2013

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**THE PATENT OFFICE  
KOLKATA, 23/08/2013**

**Address of the Patent Offices/Jurisdictions**

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

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

Website: [www.ipindia.nic.in](http://www.ipindia.nic.in)  
[www.patentoffice.nic.in](http://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 23/08/2013**  
**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 हैं :-

<p><b>1</b></p> <p>कार्यालय: महानियंत्रक, एकस्व, अभिकल्प तथा व्यापार चिह्न, एनटॉप हिल डाकघर के समीप, एस. एम. रोड, एनटॉप हिल, मुम्बई -400 037, भारत. फोन: (91)(22) 24123311 फैक्स: (91)(22) 24123322 ई.मेल: <a href="mailto:cgpdtm@nic.in">cgpdtm@nic.in</a></p>	<p><b>4</b></p> <p>पेटेंट कार्यालय चेन्नई, इंटेलेक्चुअल प्रोपर्टी 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 फैक्स: (91)(44) 2250-2066 ई.मेल: <a href="mailto:chennai-patent@nic.in">chennai-patent@nic.in</a> ❖ आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु तथा पुडुचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र, लक्षद्वीप</p>
<p><b>2</b></p> <p>पेटेंट कार्यालय, भारत सरकार बौद्धिक संपदा भवन, एनटॉप हिल डाकघर के समीप, एस. एम. रोड, एनटॉप हिल, मुम्बई - 400 037, फोन: (91)(22) 2413 7701, फैक्स: (91)(22) 2413 0387 ई.मेल: <a href="mailto:mumbai-patent@nic.in">mumbai-patent@nic.in</a> ❖ गुजरात, महाराष्ट्र, मध्य प्रदेश, गोआ तथा छत्तीसगढ़ राज्य क्षेत्र एवं संघ शासित क्षेत्र, दमन तथा दीव, दादर और नगर हवेली.</p>	<p><b>5</b></p> <p>पेटेंट कार्यालय 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 फैक्स/Fax: (91)(33) 2367 1988 ई.मेल: <a href="mailto:kolkata-patent@nic.in">kolkata-patent@nic.in</a> ❖ भारत का अवशेष क्षेत्र</p>
<p><b>3</b></p> <p>पेटेंट कार्यालय दिल्ली, बौद्धिक संपदा भवन, प्लॉट सं. 32, सेक्टर - 14, द्वारका, नई दिल्ली - 110 075. फोन: (91)(11) 2808 1921-25 फैक्स: (91)(11) 2808 1920, 2808 1940 ई.मेल: <a href="mailto:delhi-patent@nic.in">delhi-patent@nic.in</a> ❖ हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान, उत्तर प्रदेश, दिल्ली तथा उत्तरांचल राज्य क्षेत्रों, एवं संघ शासित क्षेत्र चंडीगढ़</p>	

वेबसाइट: <http://www.ipindia.nic.in>  
[www.patentoffice.nic.in](http://www.patentoffice.nic.in)

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

शुल्क: शुल्क या तो नकद 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.4/- per page. If any further details are required to be obtained, the same can be provided by the respective Patent Offices on request.

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

## **SPECIAL NOTICE**

Under the new provision of the Patents Act, 1970 as amended by the Patents (Amendment) Act, 2005 and Rules there under, Publication of the matter relating to Patents in the Official Gazette of India Part III, Section 2 has been discontinued and instead The Official Journal of the Patent Office is being published containing all the activities of The Patent Office such as publication of all the patent applications after 18<sup>th</sup> 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.1646/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :31/05/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : A GRIP FOR A HANDLE OF A SPORTS GEAR

(51) International classification

:A63B

(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)VIKAS GUPTA**

Address of Applicant :SOCCER INTERNATIONAL PVT.  
LTD., BASTI SHEIKH ROAD, JALANDHAR CITY-144 002,  
PUNJAB, INDIA

**2)VINOD MAHAJAN**

(72)Name of Inventor :

**1)VIKAS GUPTA**

**2)VINOD MAHAJAN**

(57) Abstract :

Grip for a cricket bat handle comprises an elastomeric base grip. On said base, at least one elastomeric ring/band is disposed in a direction transverse to the longitudinal axis of the bat handle, thereby exerting a compressive force on the base.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1902/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :27/06/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : Micro-Controller based wireless switching device for power control of electric appliance using bluetooth technology

(51) International classification	:H04N
(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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Address of Applicant :DG2 / 6D Vikaspuri - 18 Delhi India

(72)Name of Inventor :

**1)Amit Sharma**

**2)Arjit Sachdeva**

(57) Abstract :

The apparatus is a wireless switching device that is capable of receiving TTL signals carrying instruction data from the user<sup>TM</sup>s devices like mobile phone , laptop or tablet using bluetooth wireless technology. An AVR micro-controller is used to process and interpret those signals as per internally programmed algorithm to derive switching action for any appliance connected to the device. The device is able to interpret signals provided to it using both Bluetooth 2.0 and BLE 4.0 technology.The device is capable of single and multiple switching based on circuit configuration.The device also responds to the input instruction by transmitting set data which can be interpreted by an application in the user<sup>TM</sup>s device to determine the switching action.

No. of Pages : 26 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2067/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :10/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : UNIQUE NOISLESS AUTOMATIC SYNCHRONIZATION PROCESS FOR STRANDING CONDUCTOR MANUFACTURING PLANT.

(51) International classification

:G05B

(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)ANURADHA TOMAR**

(57) Abstract :

A simple and novel process automation scheme for making nearly gearless setup with noiseless energy saving concept has been developed. It involves creation of virtual electronic shaft by synchronizing all cage motors with capstan line shaft using VFDs (Variable Frequency Drives) in vector close loop control having encoder feedback. The logic and safety interlocks by automation software has been implemented, modified and finally optimized for performance; as shown in figure 1. By channelizing command and feedback signals (both analog and digital) from one unit to other and simultaneously address execution and monitoring by high speed microprocessor based CPU embedded in PLC is implemented. The definition of master/slave is varying from capstan to cage 12 and take-up. The concern was towards accurate design and calculation base selection for various system elements so that seamless co-ordination among power and control signals is established. The synchronization results were within 2%.The noise level was reduced from approx. 90 dB to 65 dB. Additional advantage were recorded for harmonics level within 3%.Flexible production for all possible lay lengths was a basic core advantage. Individual incoming elements like fuses, inductors; contactor across each drive are eliminated. A common DC Bus with AEF (active energy front) is designed. All drives are directly hooked up to this DC Bus. Encoder feedback is given to drive and control system (PLC).Ethernet communication gives instant information about status and running performance. It was not only techno-economical but space saving too. The idea behind AEF is to save energy during braking & deceleration of high inertia M/e and mitigation of harmonics.

No. of Pages : 30 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2138/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :16/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : System & Methods For Intimating A Terminating Party Of A Communication Failure

(51) International classification	:H04N
(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 :**  
**1)Comviva Technologies Limited**  
Address of Applicant :A-26, Info City, Sector 34, Gurgaon-122001, Haryana, India  
(72)**Name of Inventor :**  
**1)RABRA, Arun**  
**2)SINGH, Puneet**  
**3)SETHI, Tarun**

(57) Abstract :

A method for intimating a terminating party of a communication failure is disclosed. The method comprises the steps of receiving a communication request from an origination party. The communication request corresponds to any of voice call request, a video call request, a SMS request, a MMS request, or a Rich Communications Suite (RCS) request. The method further comprises of sending a trigger to an Intelligent Network (IN) or a Service Control Point (SCP) to validate whether request can be serviced and receiving, by a platform, request not serviced indication• , said request not serviced indication• being generated only if the request was not serviced for reasons not attributable to terminating party availability and said request not serviced indication• including data indicative of originating party and terminating party. The method further comprises of sending, by the platform, an alert to terminating party, said alert including data indicative of the originating party.

No. of Pages : 49 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3391/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : AN IMPROVED PROCESS FOR THE DRYING OF MENTHOL CRYSTALS

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)NECTAR LIFESCIENCES LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :VILLAGE SAIDPURA, TEHSIL
(33) Name of priority country	:NA	DERABASSI DISTT. MOHALI-140507, PUNJAB, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)HARPARASH SINGH</b>
(87) 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 application relates to an improved process for the drying of menthol crystals of Formula I, using compartmentalized fluidized bed dryer

No. of Pages : 21 No. of Claims : 6

(54) Title of the invention : PROSTHETIC CONTROL USING SINGLE ELECTRODE SURFACE EMG FOR ONE DEGREE OF FREEDOM

(51) International classification	:B63B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)DR. OMAR FAROOQ</b>
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF ELECTRONICS
(33) Name of priority country	:NA	ENGINEERING, ALIGARH MUSLIM UNIVERSITY,
(86) International Application No	:NA	ALIGARH-202002,UP. INDIA
Filing Date	:NA	<b>2)DR. ABID ALI KHAN</b>
(87) International Publication No	: NA	<b>3)PROF. MOHAMMAD MUZAMMIL</b>
(61) Patent of Addition to Application Number	:NA	<b>4)DR. YUSUF U KHAN</b>
Filing Date	:NA	(72)Name of Inventor :
(62) Divisional to Application Number	:NA	<b>1)DR. OMAR FAROOQ</b>
Filing Date	:NA	<b>2)DR. ABID ALI KHAN</b>
		<b>3)PROF. MOHAMMAD MUZAMMIL</b>
		<b>4)DR. YUSUF U KHAN</b>

## (57) Abstract :

Surface electromyogram (EMG) provides a noninvasive method of obtaining muscle activity to control prosthetic limbs. Therefore the ability of generating the muscle activity for a specific motor activity may be extremely useful for prosthetics. Several research are going on to have a smooth and effective control of prosthetics using EMG. The technique presented in this is of unique in nature compared to other used by previous researchers. In an attempt to try the control of motor using single channel surface EMG of the bicep muscle was recorded for the gripping and un-gripping action. To make the raw data useful for analysis, the signal was first windowed using a rectangular function. The windowed signal was then used to evaluate energy of the signal. This energy variation does not show smooth variation hence smoothing is required, if the signal is to be made useful for controlling the motor smoothly. In the present concept after looking at the smoothing of the signal it was noticed that a minimum threshold and the maximum limits have to be setup for starting of the motor from no rotation to maximum rotation required with respect to the limb action. The main idea was to control the motor rotation clockwise or anti-clockwise with respect to the slope of the smoothened energy (E) curve between minimum and maximum limits et for the respective signal of the respective muscle. If the slope is positive and energy is greater than  $mInImUm$  threshold, then the motor rotates clockwise. This rotation continues till it reaches the extreme position or energy is greater than maximum threshold. If the slope is negative and the level of energy is between minimum and maximum threshold level, the motor rotates anti clockwise.

No. of Pages : 12 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.274/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :31/01/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : INSECT REPELLENT TOPICAL FORMULATION

(51) International classification	:A01N	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SUNEEL LAXMINARAYAN PANDEY
(32) Priority Date	:NA	Address of Applicant :SUNEEL LAXMINARAYAN
(33) Name of priority country	:NA	PANDEY C/O DR.NEERAJ PANDEY 69 B/1C, SOHABATIA
(86) International Application No	:NA	BAGH, ALLAHABAD-211006 Uttar Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)SUNEEL LAXMINARAYAN PANDEY
(61) Patent of Addition to Application Number	:NA	2)ARUN T. PATIL
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to the self modifying patch formulation of broadspectrum topical insect repellent N, N-diethyl-m-toluamide (DEET) and other insect repellent as disclosed hereafter. The present invention is developed for the aim of reducing transdermal permeation of insect repellent N, N-diethyl-m-toluamide (DEET) with extended insect repellency. The formulation disclosed in the present invention is applied as a topical self modifying patch in an effective amount and prevent systemic absorption through the skin to that alter the adverse effects associated with the use of commercial DEET products. After application, the topical patch provides insect repelling activity up to 16 hours.

No. of Pages : 11 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.332/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :05/02/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : 0 DEGREE AVIATION-GEAR MECHANISM AIRCRAFT

(51) International classification	:F16H	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)ASHWNI KUMAR</b>
(32) Priority Date	:NA	Address of Applicant :106, VIJAY COLONY, P/O MILLAP
(33) Name of priority country	:NA	NAGAR, ROORKEE UTTARAKHAND 247667 (UKD)-247667
(86) International Application No	:NA	Uttarakhand India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)ASHWNI KUMAR</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ODA-GMA is an aircraft that is introduce to aviate to 0 degree, means the aircraft can fly forward and can reverse back at same position at an angle of zero degree to its horizontal plane (not perfectly). ODA-GMA engine is designed in such a way that the turbine can rotate in clockwise as well as anti-clock wise, thus ODA-GMA can generate thrust on both sides (not simultaneously). Due to this type of generation of thrust by ODA-GMA engine helps to aviate at zero degree.

No. of Pages : 9 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3974/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :21/12/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : A NOVEL HERBAL FORMULATION EMBEDDED WITH FIG (FICUS CARICA) FOR RENAL DISEASES AND HEALTHCARE

(51) International classification	:A61K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)ILAH, AHSAN</b>
(32) Priority Date	:NA	Address of Applicant :VILLAGE KHATAULA P.O.
(33) Name of priority country	:NA	HARSAULI DISTRICT MUZAFFARNAGAR, 251001 Uttar
(86) International Application No	:NA	Pradesh India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)ILAH AHSAN</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The current available Allopathic management for renal diseases is in the form of antibiotics, steroids, diuretics dialysis and kidney transplantation, which are associated with very severe adverse effects. On the other hand, they are very costly and have to be used for long duration. In the present invention, a herbal formulation embedded with fig (Ficus carica) is used for the treatment of renal disorders and healthcare of the body.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1434/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :10/05/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : NOVEL MODEL OF ELECTRIC ENGINE

(51) International classification

:H02J

(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)ABHISHEK KUMAR RAI**

Address of Applicant :S/O-SHRI VINOD KUMAR RAI, B-475, ITI LTD., MANKAPUR, GONDA (U.P.)-271308, INDIA.

**2)RAJESH KUMAR SINGH**

**3)RAVENDRA PAL**

**4)VIVEK SHARMA**

(72)Name of Inventor :

**1)ABHISHEK KUMAR RAI**

**2)RAJESH KUMAR SINGH**

**3)RAVENDRA PAL**

**4)VIVEK SHARMA**

(57) Abstract :

Rising environmental concerns have again brought electric vehicles in picture. Contemporary issues with electric vehicles include battery backup, controlling, and designing. Latest development in electric engine include the in-wheel motor, which faces problems like bulky engine and difficult controlling due to usage of a separate induction motor for each wheel. In the present work a simple design of electric engine has been proposed with easy controlling. The proposed model employs a single linear DC motor for transferring motion to the rest part of the engine and uses a controller circuit having power semiconductor devices.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3789/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :10/12/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : SCALE TO MEASURE CIRCUMFERENCE OF A CIRCLE

(51) International classification	:G06Q	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)PRAPTI BAJAJ</b>
(32) Priority Date	:NA	Address of Applicant :A-95, PRIYADARSHINI VIHAR,
(33) Name of priority country	:NA	DELHI-110092 India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)PRATI BAJAJ</b>
(87) 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 :

Universe is a beautiful club of mathematical mysteries. One of the simplest inventions - the ruler was indeed a breakthrough from the cumbersome method of using hand-span (human anatomy) for the measurement of simple lengths. In a similar manner, I've designed a simple scale that replaces the complex radius method of measuring the circumference of a circle. The concept of circumference =  $2\pi r$ , along with measurement of angles have been used for the construction of this scale. It has been verified by a veteran in mathematics: the gold-medalist at J.M.I and senior math teacher at D.P.S, R.K.Puram- Mr. Jagjeet Singh -and another veteran in physics: M.Sc.& M.Phil. at IIT Roorkee Mr. P.K.Sharma (senior physics teacher at D.P.S, R.K.Puram) and also the principal of my school Dr. D.R.Saini. I was also invited at the International Conference on Mathematics and Statistics for an oral presentation of this project, held at Vijayvada (Hyderabad) on 13-14 September 2012. I will be giving an oral presentation on this subject on 16th December at the 2nd International Conference on Mathematical Sciences and Applications.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2078/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :11/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : WHOLE SPICES DISPOSABLE BAGS FOR BIRYANI, PULAO ETC.

(51) International classification	:B65d	(71)Name of Applicant :
(31) Priority Document No	:NA	1)AGNIHOTRI, VASANT
(32) Priority Date	:NA	Address of Applicant :846, SECTOR 23-A, GURGAON, PIN
(33) Name of priority country	:NA	122017, Haryana, India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)AGNIHOTRI, VASANT
(87) 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 method is disclosed to pre pack whole spices in teabag like bags for use in blryani, pulao and cunies etc.

No. of Pages : 3 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2079/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :11/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : FILTER CLEANING INDICATOR FOR AIR CONDITIONERS

(51) International classification	:f24f	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)AGNIHOTRI, VASANT</b>
(32) Priority Date	:NA	Address of Applicant :846, SECTOR 23-A, GURGAON, PIN
(33) Name of priority country	:NA	122017, Haryana, India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)AGNIHOTRI, VASANT</b>
(87) 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 method is disclosed to fit air conditioners with filter cleaning indicator so as to improve the overall operating efficiency.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2131/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :16/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : THERAPEUTIC USES OF SHIRISHADI POLYHERBAL COMPOUND FOR PREVENTION & TREATMENT OF SUB-ACUTE & CHRONIC ASTHMATIC CONDITIONS BASED ON ITS NOVEL PHARMACOLOGICAL ACTIVITIES.

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)SHRIKANT TIWARI</b>
(32) Priority Date	:NA	Address of Applicant :BANARAS HINDU UNIVERSITY
(33) Name of priority country	:NA	Uttar Pradesh India
(86) International Application No	:NA	<b>2)JYOTISHANKAR TRIPATHI</b>
Filing Date	:NA	<b>3)DIVYA KAJARIA</b>
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)SHRIKANT TIWARI</b>
Filing Date	:NA	<b>2)JYOTISHANKAR TRIPATHI</b>
(62) Divisional to Application Number	:NA	<b>3)DIVYA KAJARIA</b>
Filing Date	:NA	

(57) Abstract :

Shirishadi a polyherbal compound having equal quantity of three herbs namely Albizia lebbek(L.) ,Cyperus rotundus and Solanum xanthocarpum with novel antiplatelet aggregating, mast cell stabilizing, immunomodulatory, bronchodilator, antianaphylactic, anti-histaminic and anti-inflammatory properties to prevent and cure allergic respiratory diseases like atopic bronchial asthma and other allergic diseases like allergic rhinitis and urticaria and as stress reliever/ tranquilizer.

No. of Pages : 16 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2132/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :16/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHOD AND DEVICE FOR THE PREPARATION OF SOLUTION OF GOLD.

(51) International classification	:c22b	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DR. SUSHIL TANDON
(32) Priority Date	:NA	Address of Applicant :35/M-2B, RAMPUR GARDEN,
(33) Name of priority country	:NA	BAREILLY, Uttar Pradesh India
(86) International Application No	:NA	2)SANTOSH PATHAK
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)DR. SUSHIL TANDON
(61) Patent of Addition to Application Number	:NA	2)SANTOSH PATHAK
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A process of producing of gold in water solution and apparatus useful for the treatment of ailments like optic neuritis, thallasaemia, idiopathic thrombocytopaenic purpura, dengue and in increasing stem cell activity ,comprising; heating water in the presence of metals like gold, silver and copper in a container at fixed temperature and pressure followed by cooling over a specific period of time

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2141/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : A STERILE OPHTHALMIC SURGICAL PRE CUT DRAPE AND A METHOD MAKING AND DRAPING THE EYE FOR OPHTHALMIC SURGERY THEREOF.

(51) International classification	:a61b	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)RAJESH KALRA</b>
(32) Priority Date	:NA	Address of Applicant :A-2, PURUSHOTAM GARDEN,
(33) Name of priority country	:NA	KUNJPURA ROAD, KARNAL-132001, Haryana, India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)RAJESH KALRA</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An eye drapes are used to protect the eye from infection during surgery. The ophthalmic are cut drape are mainly useful for the doctors as well as patients. This invention provides ophthalmic pre cut drape and a method of draping the eye for ophthalmic surgery that allow the drape to be easily conformed to both lids of the eye by a single person without additional tools. This invention solves the problems discussed above by providing a method of applying pre cut drape so that it can be easily adhered to both the upper and lower margins of the eye without requiring the use of separate instruments for cutting and adjusting

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2260/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :20/07/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : GENERATE ELECTRICITY FORM HOT AIR WHICH IS PRODUCED BY AC + EXHAUST

(51) International classification	:H02J	(71)Name of Applicant :
(31) Priority Document No	:NA	1)RAJAT SINGHAL
(32) Priority Date	:NA	Address of Applicant :83/135, PRATAP NAGAR, JAIPUR,
(33) Name of priority country	:NA	RAJASTHAN PIN - 302033 Rajasthan India
(86) International Application No	:NA	2)DEEKSHA MOHAN AGARWAL
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)SUGREEV
(61) Patent of Addition to Application Number	:NA	2)RAJAT SINGHAL
Filing Date	:NA	3)DEEKSHA MOHAN AGARWAL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Though we are living in modern India, but still there is no or very less availability of electricity in rural India. As we all know that flour is the main constituent in Indian food culture. In rural areas processing grains to obtain flour is cumbersome process. To overcome this problem this project is designed to use paddling power instead of electricity to process the basic need of food liThe processing. The basic idea behind the working of this machine is to convert human power into usable form which can be utilized in daily purpose needs like Grinding and Cleaning Grains

No. of Pages : 19 No. of Claims : 3



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2080/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :11/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : MULTI PURPOSE OVEN

(51) International classification	:a21B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)AGNIHOTRI, VASANT</b>
(32) Priority Date	:NA	Address of Applicant :846, SECTOR 23-A, GURGAON. PIN-
(33) Name of priority country	:NA	122017, Haryana, India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)AGNIHOTRI, VASANT</b>
(87) 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 method is disclosed to modify convection oven, alone or in combination other devices, so as to set curd / yogurt and to facilitate quicker fermentation of dough / batter in cold climates.

No. of Pages : 3 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3288/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :25/10/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : AN INTEGRATED PROCESS FOR POLLUTION CONTROL FOR COAL COMBUSTION POWER PLANT

(51) International classification

:B23B

(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)NTPC LTD.**

Address of Applicant :NTPC CHAWAN, SCOPE COMPLEX  
7, INSTITUTIONAL AREA, LODI ROAD, NEW DELHI-  
110003, INDIA.

(72)Name of Inventor :

**1)MALIK MRITUNJAYA**

**2)MATHPAL JAI KRISHAN**

**3)SONI NARENDRA KUMAR**

(57) Abstract :

The present disclosure provides an integrated process for pollution control in coal combustion power plant. The process involves reacting a by product of coal combustion process such as exhaust flue gas with another waste product such as alkaline ash slurry. The process reduces the oxides of carbon, sulfur, and nitrogen present in the exhaust flue gases and simultaneously neutralizes the ash slurry to produce carbonated ash.

No. of Pages : 13 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.219/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :28/01/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : FABRICATION OF ZINC OXIDE NANOPARTICLE (ZNP) SOLUTIONS FOR ANTIMICROBIAL APPLICATIONS

(51) International classification	:C01G	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)KHAN, MOHD FARHAN</b>
(32) Priority Date	:NA	Address of Applicant :DST PROJECT DEPARTMENT OF
(33) Name of priority country	:NA	MECHANICAL ENGINEERING, ALIGARH MUSLIM
(86) International Application No	:NA	UNIVERSITY, ALIGARH, 202002 Uttar Pradesh India
Filing Date	:NA	<b>2)ANSARI, AKHTER H.</b>
(87) International Publication No	: NA	<b>3)AHMAD, EJAZ</b>
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)KAHN, MOHD FARHAN</b>
(62) Divisional to Application Number	:NA	<b>2)ANSARI, AKHTER H.</b>
Filing Date	:NA	<b>3)AHMAD, EJAZ</b>

(57) Abstract :

The Zinc oxide nanoparticle (ZNP) is one of the important metal oxide nanoparticles (MONPs). It develops through many cheaper and user friendly as well as eco-friendly approaches. It builds potential applications as antimicrobial agents against pathogens of distinct harmful aspects in oUr daily life, viz. food systems, various diseases .& infections, etc.. The proposed invention is to fabricate colloidal solutions of zinc oxide nanoparticles (ZNPs) through simple green chemistry route. The process is performed at a temperature below the boiling point of water. Standard solutions of aqueous acetate and aqueous hydroxide are supplemented with the predetermined interval of time. The solvent is stirred continuously during the process at predetermined levels of speed (rpm). The colloidal solutions of zinc oxide nanoparticles (ZNPs) thus obtained is cooled and preserved by any conventional method and is employed for diverse antimicrobial and other scientific applications.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3527/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :16/11/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : A SYSTEM FOR PACKAGING WITH A HIGH CAPACITY CONTINUOUS ROTARY MACHINE.

(51) International classification	:B68F	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)JAWLA ADVANCE TECHNOLOGY</b>
(32) Priority Date	:NA	Address of Applicant :PARWATIYA COLONY, 30 FEET
(33) Name of priority country	:NA	ROAD, NEAR SURUPUR CHOWK, SOHAN ROAD,
(86) International Application No	:NA	FARIDABAD-121 001, HARYANA, INDIA.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)ANANG PAL</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a high capacity continuous rotary packaging machine and in particular, is used for packaging all granules, spices, washing powder, tobacco powder like tobacco , zafrani zarda and khaini etc. More particularly, this present invention relates to a continuous rotary packaging machine for packaging articles of unifonn size. Furthermore, this invention also relates to a continuous rotary packaging machine in which the web with the pocket containing the tablet or other article is then immediately positioned against the other web at the nip of the laminating rolls and the two webs are caused to adhere by pressure, and heat or the application of adhesive to one of the webs. Further more this invention also relates to the machine in which the accurate position of an upper sealing strip and a bottom sealing strip can be ensured effectively, package pockets are prevented from being broken, and packaging speed is greatly enhanced.

No. of Pages : 29 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3635/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :27/11/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : A PHONE NUMBER BASED TASK ASSIGNMENT, TASK TRACKING AND TASKS MANAGEMENT SYSTEM.

(51) International classification	:H04N	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MANCHANDA, MONICA
(32) Priority Date	:NA	Address of Applicant :93-SHARDA NIKETAN, DELHI-
(33) Name of priority country	:NA	11034 India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MANCHANDA, MONICA
(87) 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 task supervising system for allowing registered users to assign a task to a phone number that is present in contact list of their respective communication devices. Further, the task supervising system also allows its registered users to assign a supervisor for the task by typing a phone number. In addition, the task supervising system enables the users to view tasks related to their phone numbers. The users may manage their tasks, or track or update status/progress of their tasks. Furthermore, the task supervising system enables the users to add attributes and remarks to their tasks. Moreover, the task supervising system enables the users to send reminders to other users for completing tasks or for sharing status of the tasks. Additionally, the task supervising system enables the users to mark a task or a phone number as a junk-task or as a source of junk-tasks, respectively

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

(54) Title of the invention : HIGH SENSITIVE BROAD BAND SONAR RECEIVER ARRAY WITH MOTION SENSOR FOR UNDERWATER IMAGING APPLICATIONS

(51) International classification

:G01S

(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)NATIONAL INSTITUTE OF OCEAN TECHNOLOGY**

Address of Applicant :MINISTRY OF EARTH SCIENCES

(MOES), NIOT CAMPUS, VELACHERY-TAMBARAM MAIN ROAD, NARAYANAPURAM, PALLIKARANAI PO, CHENNAI 600 100 Tamil Nadu India

**(72)Name of Inventor :****1)MR. SHJO ZACHARIA****2)DR. DHILSHA RAJAPAN****3)MR. C. KANNAN****4)MRS. P.M. RAJESHWARI****5)MR. SHIBU JACOB****6)DR. M.A. ATMANAND****(57) Abstract :**

A system for high sensitive broad band Sonar receiver array with motion sensor used for oceanography applications has been realized. In one embodiment, it consists of an array of receiving cymbal elements as hydrophone sensors. Each element of the array has one cymbal receiving element and a signal conditioning circuit. The array is interfaced with a cable to receive power and also contain associated sensors to measure motion and temperature. The motion sensor is fixed on the array to record the dynamics. The temperature sensor helps in measuring water temperature and thereby sound velocity. The receiving array is positioned underwater and away from the external power source. The power regulator and other electronic circuits are assembled and customized on a printed circuit board fixture. The entire assembly is protected by an enclosure consisting of an underwater connector at one end and the other end having an O-RING seal and a nose cap. The output from the sensors are suitable for directly interfacing to image processing systems to motion compensated sonar images.

No. of Pages : 24 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3318/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :25/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : PROCESS AND APPARATUS FOR 3D CIRCULAR EQUAL CHANNEL ANGULAR PRESSING

(51) International classification

:B29C

(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)PROF.K. HANS RAJ (PROFESSOR)**

**3)MR. ATUL DAYAL ( RESEARCH SCHOLOR)**

(72)Name of Inventor :

**1)DR. RAHUL SWARUP SHARMA (ASSISTANT PROFESSOR)**

**2)PROF.K. HANS RAJ (PROFESSOR)**

**3)MR. ATUL DAYAL ( RESEARCH SCHOLOR)**

(57) Abstract :

The illustrated embodiment of the invention is a device for nano-structuring of bulk material in the form of circular rod so as to reduce the grain size. The bulk material in the form of circular rod is extruded repeatedly through the 3D ECAP die until the grain size of virgin material (few hundred micrometers) is reduced to few hundred nanometers. The device comprises two vertical halves of the said die having a plurality of inter connected passages through which the said circular rod is directed for the said nano-crystalline formation, two hollow circular rings positioned externally at the top and bottom of the said dies for holding the said two vertical halves of the die in contact during the extrusion process, four removable fasteners connecting the said top and bottom circular rings at pre-determined positions, an output orifice in the stationary constraint die having substantially the same cross section as the cross section of the passageway and an input orifice for feeding a solid circular metal to be pressed into a portion of the passageway so that the circular metal is carried in the groove by frictional drag in the direction towards the said output orifice and is thereby extruded through the output orifice and without any substantial change in cross section.

No. of Pages : 25 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3319/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :25/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHODS FOR PROVIDING ADVERTISEMENTS IN A DIGITAL RADIO AND DEVICES THEREOF

(51) International classification

:H04H

(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)WIPRO LIMITED**

Address of Applicant :Doddakannelli, Sarjapur Road,  
Bangalore 560035, Karnataka, India.

(72)Name of Inventor :

**1)Rani Malhotra**

(57) Abstract :

A method, non-transitory computer readable medium, and a mobile computing device comprises receiving multiplexed data comprising an audio program and one or more advertisements from a broadcasting computing device, wherein the advertisements are each assigned to one of one or more genres. The received multiplexed data is demultiplexed to separate the audio program and the one or more advertisements. Next, based on program information of the audio program, genre corresponding with the program information of the audio program is identified. Further, one or more of the advertisements associated with the identified one of the genres that corresponds with the program information of the audio program are identified. The audio program and the identified one or more of the advertisements are output.

No. of Pages : 26 No. of Claims : 12



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1714/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :18/04/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : LOW VOLTAGE POWER PRODUCTION MACHINE

(51) International classification	:F24J	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)JADAL RAJ. M</b>
(32) Priority Date	:NA	Address of Applicant :2/516-MAHALAKSHMI NAGAR,
(33) Name of priority country	:NA	SEELAPADI, DINDUGUL- 624 005 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)JADAL RAJ. M</b>
(87) 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 :

This invention relates to Electric Power. This machine using the earth force to making the electric power. This machine wont make the pollution and keep the temperature in the normal allways. This machine manufacturing cost is very low. The machine will be using any season because it is non depending upon Air, Water, Solar and etc. This machine using the earth force to running. So no depending upon other sources.

No. of Pages : 21 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2233/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : LOW COST SANITARY NAPKIN DISPOSAL MACHINE

(51) International classification

:A61L

(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)PARAMADATHIL AISWARYA**

Address of Applicant :1/213 - A, KRISHNA KRIPA, WEST HILL (P.O), CHUNGAM, CALICUT - 673 005 Kerala India

(72)Name of Inventor :

**1)PARAMADATHIL AISWARYA**

(57) Abstract :

This Low Cost Sanitary Napkin Disposal Machine is based on reaction between napkin and the chemical Cuprammonium Hydroxide( $\text{Cu}(\text{NH}_3)_4(\text{OH})_2$ ). The main parts of the machine are Alternating Current(AC) induction motor(1.), plasma coated containers and reaction chamber(2.), waste tray(3.) and controlling unit(4.)consisting of a solenoid valve, microcontroller(ATMEGA16) and a timer circuit. The AC induction motor shreds the sanitary napkin into pieces soon after it is put inside. The chemicals Ammonium Hydroxide ( $\text{NH}_4\text{OH}$ ) and Copper Hydroxide[ $\text{Cu}(\text{OH})_2$ ] are stored inside the plasma coated containers. The chemical container of  $\text{Cu}(\text{OH})_2$  is rotated from underneath by a Direct Current(DC) motor periodically controlled by a timer circuit to avoid sedimentation of the chemical. The required amount of both chemicals to destroy one napkin are delivered to the reaction chamber in the ratio  $\text{NH}_4\text{OH}:\text{Cu}(\text{OH})_2 = 7:5$ (ie; 87ml of  $\text{NH}_4\text{OH}$  and 8g of  $\text{Cu}(\text{OH})_2$ ) through tubes which are controlled by the opening and closing of solenoid valve which in turn is controlled by a microcontroller. The final chemical is formed according to the equation  $4(\text{NH}_4\text{OH}) + \text{Cu}(\text{OH})_2 \rightarrow \text{Cu}(\text{NH}_3)_4(\text{OH})_2 + 4\text{H}_2\text{O}$  The reaction between napkin and chemical takes place in the reaction chamber. The reaction chamber is rotated from underneath by a DC motor periodically controlled by a timer circuit. The cotton dissolved chemical solution goes to the septic tank and undissolved napkin pieces to a waste tray.

No. of Pages : 15 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3273/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :22/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : A VERTICALLY MOVEABLE CUPBOARD WITH ELEVATING DEVICES THAT OPTIMIZES GROUND SPACE UTILIZATION

(51) International classification	:A47B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)DHARAPURAM KRISHNASWAMY RAO MURALI</b>
(32) Priority Date	:NA	Address of Applicant :NO: 01, 3RD CROSS, 1ST MAIN,
(33) Name of priority country	:NA	GIRINAGAR 1ST PHASE, BANGALORE - 560 085 Karnataka
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)DHARAPURAM KRISHNASWAMY RAO MURALI</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Comprising of a Cupboard (1) made of wood or light metal that can move up and down in a vertical direction within Guide Channels (3) fixed to the wall. Rollers (2) are fixed to the Cupboard for smooth movement. Rope (4) of appropriate tensile strength is tied to the Cupboard (1) on one end. A counter weight (6) is attached to the another end of the Rope (4) for balancing. Rope (4) passes over a Pulley (5) fixed to the wall through a Rod. Rope (4) is pulled on either side depending, whether the Cupboard has to be move up or down. When the Cupboard (1) is moved up after utilization, the floor space beneath it, which was occupied by it earlier, could be put to general use until the Cupboard (1) is brought down to the ground.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2383/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :31/05/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : NEWS PAPER ROLE FOR DINING TABLE

(51) International classification	:A47G19/00
(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)A. R. SHIVAKUMAR**  
Address of Applicant :#44, SOURABHA, 3RD MAIN,  
BASAVESHWARA LAYOUT, VIJAYANAGAR,  
BANGALORE - 560 040 Karnataka India  
(72)**Name of Inventor :**  
**1)A. R. SHIVAKUMAR**

(57) Abstract :

Cultural events in India are synonymous with large number of meals lunch / Dinner served to friends and relatives. The meal is served on series of tables either lined one beside other or arranged to form rows. To serve the purpose of disposable table top material for ease of cleaning, a sheet of plastic or paper is spread on the top of the dining table. Paper rolls along with food waste will decay and get into the soil as manure. However the plastic role will not decay and it will not allow the food waste to decay easily. Use of fresh paper role is taxing on the scarce resource available for making paper for better purposes and plastic waste is environmental hazard. A new innovative method of generating paper role for dining table top using old newspaper is developed with simple hand operated machine and the product is environment friendly.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3219/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :19/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : A LPG BURNING APPLIANCE

(51) International classification

:F23D

(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)Reghu P. P.**

Address of Applicant :Parappuparambil House, Parappukavu  
Temple Road, Kechery.P.O, Thrissur Dist, Kerala India

(72)Name of Inventor :

**1)Reghu P. P.**

(57) Abstract :

The present invention relates to a LPG burning appliance. In one embodiment, the appliance includes a body including a gas storing means (1) connecting the body to a fuel canister to permit the flow of fuel from the canister, a control valve (2) connecting the gas storing means, a fuel outlet jet (4) connecting the gas storing means through the control valve and a fuel flow passage (3) between the gas storing means (1) and the fuel outlet jet (4) for feeding fuel from a canister to the fuel outlet jet, thereby providing a fuel flow path which constrains all fuel from the canister to pass from the gas storing means (1) to the fuel outlet jet (4).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3415/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :30/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : A SURFACE FREE POINTING DEVICE WITH AN INTEGRATED DATA ENTRY PORTION AND AN INTEGRAL MOTION SENSOR

(51) International classification	:G06F
(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 :

**1)Bala Venkata Krishna Bhupati Raju Pasupuleti**

Address of Applicant :Hidden View Solutions Pvt.Ltd.  
#201,Cyber Heights, Behind TDP Office, Banjara Hills-2,  
Hyderabad, Andhra Pradesh, India.

(72)Name of Inventor :

**1)Bala Venkata Krishna Bhupati Raju Pasupuleti**

(57) Abstract :

Abstract of the Invention A wireless surface free pointing device with an integrated alphanumeric data entry portion and an integral motion sensor is disclosed. The wireless surface free pointing device includes a hand-held housing with an inbuilt battery, an integrated circuit for facilitating a communication between the hand-held housing and a graphical user interface, at least one motion sensor for sensing a motion signal of the hand-held housing, at least one optical generator for transmitting the sensed motion signal to the graphical user interface, at least one alphanumeric data entry portion oriented in a rectangular direction for inputting the alphanumeric data on the graphical user interface by enabling a T9 dictionary, a plurality of navigation keys for enabling a preferred direction movement of the hand-held housing on the graphical user interface, a plurality of operation keys for enabling a preferred operation of the hand-held housing on the graphical user interface and a touch pad.

No. of Pages : 16 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3332/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :26/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : SECURE DATA AUTHENTICATION MODEL FOR HEALTH MONITORING SYSTEM

(51) International classification

:H04L

(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)SRIVATSAN. S**

Address of Applicant :3, KALYANASUNDARAM STREET,  
MUTHULAKSHMI NAGAR, CHITLAPAKKAM, CHENNAI -  
600 064 Tamil Nadu India

(72)Name of Inventor :

**1)SRIVATSAN. S**

**2)YAMINI. M**

(57) Abstract :

This work focuses about the implementation of a secure data authentication model for the wireless body area network using the features of biological signals and the process of shared key establishment during the time of configuration. There is a need for a secure health monitoring system for Wireless body area network, but currently all the system engineered are working with complex key exchange system. Also the need for secure data exchange grows rapidly due the fact that the data exchanged are confined to the details of the ailing patient. A system that uses biometric details for security must also be able to provide a predictive outcome at the other end. The security system for health monitoring is proposed with low computational complexity for the secure transaction and with high power efficiency using key based cryptographic encryption technique. A system in place must ensure security with the use of limited amount of resources. This system also addresses the issues by considering the fact of limited availability of resources like power, bandwidth, thereby helping to achieve, more secure and time-efficient system in place for the effective health monitoring scheme.

No. of Pages : 18 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1824/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :25/04/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : THREE DIMENSIONAL CAMERA RIG.

(51) International classification	:G03B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)SASIDHARAN SHYAM KUMAR</b>
(32) Priority Date	:NA	Address of Applicant :MUDUMBIL PUTHEN VEEDU;
(33) Name of priority country	:NA	SPNRA - 160; THIRUVALLOM; THIRUVANANTHAPURAM
(86) International Application No	:NA	695027 Kerala India
Filing Date	:NA	<b>2)K. PRATHEESH KUMAR</b>
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)SASIDHARAN SHYAM KUMAR</b>
Filing Date	:NA	<b>2)K PRATHEESH KUMAR</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A three dimensional camera mount means adapted to house a pair of cameras and capable of facilitating independent interocular spacing and convergence adjustments required for 3D filming. In another embodiment, the intraocular distance and convergence angle can be varied simultaneously, without altering the preset plane of convergence.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3502/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :03/08/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : A CLOUD BASED SEMI-UTILITY DISTRIBUTION MANAGEMENT AND MONITORING 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

(71)Name of Applicant :

**1)Y.J.Reddy**

Address of Applicant :201, Pearl Residency,Mythri Nagar,Madinaguda,Hyderabad Andhra Pradesh India

(72)Name of Inventor :

**1)Y.J.Reddy**

(57) Abstract :

Exemplary embodiment of the present disclosure is directed towards a cloud based semi-utility distribution management and monitoring system. The system comprising at least one sensor module configured in one or more measurement end points to detect a semi-utility data requested by an authenticated user, a virtual server in communication with the one or more measurement end points configured to collect the detected; processed; configured; stored; and computed semi-utility data through a data communication network and one or more client devices in communication with the virtual server configured to receive the stored semi-utility data through the data communication network for rendering the semi-utility data to the one or more client devices in the form of displays, maps and reports.

No. of Pages : 22 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3267/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :23/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : SCALABLE ZOOM CALENDARS

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:13/562,116	<b>1)SAP AG</b>
(32) Priority Date	:30/07/2012	Address of Applicant :Dietmar-Hopp-Allee 16, Walldorf
(33) Name of priority country	:U.S.A.	69190, Germany
(86) International Application No	:PCT//	(72)Name of Inventor :
Filing Date	:01/01/1900	<b>1)Rolan Abdukalykov</b>
(87) International Publication No	: NA	<b>2)Mohannad El-Jayousi</b>
(61) Patent of Addition to Application Number	:NA	<b>3)Alain Gauthier</b>
Filing Date	:NA	<b>4)Roy Ghorayeb</b>
(62) Divisional to Application Number	:NA	<b>5)Vincent Lavoie</b>
Filing Date	:NA	<b>6)Xuebo Liang</b>

(57) Abstract :

Calendar content in a linear timeline may dynamically zoomed into and out of according to a change of a distance separating two user selected points on the screen as at least one of the user selected points is moved by the user. As the user zooms into and out of the timeline, a timescale that is displayed as part of the timeline may also be updated. The entries that are shown in the timeline may also be updated so that they correspond to the selected zoomed in time period. Additional detailed information may be displayed when zooming into the timeline whereas less information may be displayed when zooming out of the timeline. The degree of zooming may depend on a change in the separation distance between the points as one of them is moved.

No. of Pages : 22 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3362/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :29/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHOD AND APPARATUS FOR CONTROLLING AN ELECTRONIC DEVICE

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)TVS MOTOR COMPANY LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :JAYALAKSHMI ESTATES NO.29
(33) Name of priority country	:NA	(OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)SHRI T G DHANDAPANI</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method and system to control a feature of an electronic device, wherein a server receives information from a set of terminals and compares the received information with a predetermined information stored in the server and generates control signal, further a program is executed on the electronic device to fetch said control signal and enable or disable the particular feature on the electronic device based on the control signal.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3475/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :01/08/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : ENHANCING THE SECURITY STRENGTH OF CLOUD COMPUTING THROUGH BIOMETRIC TEMPLATE PROTECTION SCHEME.

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)Dr.S.VISWANADHA RAJU</b>
(32) Priority Date	:NA	Address of Applicant :Professor & Head of CSE, JNTUHCEJ
(33) Name of priority country	:NA	J N T UNIVERSITY HYDERABAD, Kukatpally, Hyderabad,
(86) International Application No	:NA	Pin Code: 500072 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)Dr.S.VISWANADHA RAJU</b>
(61) Patent of Addition to Application Number	:NA	<b>2)MADHAVI GUDAVALLI</b>
Filing Date	:NA	<b>3)GVS Raju</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Biometric technologies are becoming the key aspect of a wide range of secure identification and personal verification solutions, but in a cloud computing environment they present some problems related to the management of biometric data, due to privacy regulations and the need to trust cloud providers. To overcome these problems, a hybrid template protection scheme is proposed by combining both cancellable biometrics (CB) and biometric key generation (KG) with feature discretisation based on random tiling and a modified version of 2N discretisation which can be applied to cloud computing in which no private biometric data are exposed. Our invention focuses on adequate security mechanisms that should potentially meet the legal requirements of traditional systems. The invention is described by way of example with reference to the following drawings where Figure 1 of sheet 1 shows Cloud Deployment Models, Figure 2 of sheet 1 shows Cloud computing service delivery models, Figure 3 of sheet 2 shows working model of proposed system.

No. of Pages : 29 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3458/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :31/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR ACCESSING A DEVICE USING A PAIRED DEVICE IN ITS PROXIMITY

(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

(71)Name of Applicant :

**1)WIPRO LIMITED**

Address of Applicant :Doddakannelli, Sarjapur Road,  
Bangalore 560035, Karnataka, India.

(72)Name of Inventor :

**1)Krishnanunni Gopalakrishnan**

**2)Francis Antony**

**3)Prasanth Padmalayam Thankappan**

**4)Manoj Venkatesh Rajamani**

**5)Aravindan Cheruvally**

(57) Abstract :

This disclosure relates to systems and methods for accessing a device using a paired device in its proximity. In one embodiment, a resource sharing method is disclosed, comprising: obtaining a proximal device identifier associated with a proximal device; identifying a proximal device profile associated with the proximal device identifier; retrieving access privilege data stored in the proximal device profile; generating, via a processor, user interface data based on the access privilege data; and providing the user interface data for display. The method may further comprise: providing, for the proximal device, an authentication key identifier and a request for user security input format data; obtaining, from the proximal device: an authentication key associated with the authentication key identifier, and user security input format data; determining that the proximal device is authenticated, based on the authentication key; and displaying a user security input interface based on the user security input format data.

No. of Pages : 35 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3569/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :12/08/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : COMPACT PLATFORM, ROAD ENERGY SYSTEM AND METHOD FOR GENERATING ELECTRICAL POWER

(51) International classification	:F03G	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)HAKEEM, SRINIVAS</b>
(32) Priority Date	:NA	Address of Applicant :PLOT NO: 26, FLAT NO: 207,
(33) Name of priority country	:NA	RUKMINI RESIDENCY, SPRING VIEW, KOLLANS
(86) International Application No	:NA	COLONY, NIZAMPET, HYDERABAD-500072 Andhra Pradesh
Filing Date	:NA	India
(87) International Publication No	: NA	<b>2)HAKEEM SASIPRABHA</b>
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)HAKEEM, SRINIVAS</b>
(62) Divisional to Application Number	:NA	<b>2)HAKEEM SASIPRABHA</b>
Filing Date	:NA	

(57) Abstract :

Exemplary embodiments of the present disclosure are directed towards a system, platform and method of a road energy system for generating electrical power. The system includes a first vertically reciprocating plate, a horizontally extended impact force transferring shaft, a second set of vertically reciprocating plates, a vertically elevated lever, a free wheel, a fly wheel, a small toothed wheel and a turbine. An impact force captured by the first vertically reciprocating plate from an automobile passing over it and transferred to the second set of vertically reciprocating plates for pushing in downward direction and applying the impact force on the horizontally extended impact force transferring shaft for enabling a movement in an upward direction and thereby enable the movement of the vertically elevated lever in the upward direction. The vertically elevated lever comprising a toothed provision end enable to runs over the toothed provisions provided on the outer circumference of the free wheel thereby rotating the fly wheel and small toothed wheel and in turn running a turbine connected to the small toothed wheel for generating electrical energy.

No. of Pages : 22 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3287/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :23/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHOD OF SEALING TANK IN COUNTER CURRENT SWIMMING POOL

(51) International classification	:A63B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)REHAN KHAN</b>
(32) Priority Date	:NA	Address of Applicant :35/5, SATHNUR ROAD, NEXT TO
(33) Name of priority country	:NA	COUNTRY CLUB, YELAHANKA, BANGALORE 560 063
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)REHAN KHAN</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The method sealing as shown in Fig. 1 is exclusively designed for composite/steel/fibre glass/ other materials swim pool tank fitted with water propulsion unit, to produce counter water current. The sealing method as mentioned makes the tank water sealed, and also there is no leak of water from the propulsion unit fitted through this sealing process. This sealed assembly comprises of: a housing defining a first opening, a second opening and a cylindrical passageway extending there between, the cylindrical passageway comprising a proximal end and a distal end and configured to receive an axle throughout; a first O-ring disposed within the cavity at the distal end and positioned to be coaxial with the cylindrical passageway; a second O-ring disposed within the cavity at the distal end and positioned to be coaxial with the cylindrical passageway; a first sealed ball bearing ring disposed within the cavity at the proximal end and positioned next to and coaxial with the first O-ring; a second sealed ball bearing ring disposed within the cavity at the proximal end and positioned next to and coaxial with the second O-ring; and Waterproof grease disposed in the cavity. .

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3384/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :29/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : A METHOD AND SYSTEM FOR SEMICONDUCTOR HOST SIMULATION AUTOMATION

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:13571354	<b>1)HCL Technologies Limited</b>
(32) Priority Date	:10/08/2012	Address of Applicant :50-53 Greams Road,Chennai 600006,
(33) Name of priority country	:U.S.A.	Tamil Nadu, India
(86) International Application No	:PCT//	(72)Name of Inventor :
Filing Date	:01/01/1900	<b>1)Muthukumar Kadarkaraiandi Chellapandi</b>
(87) International Publication No	: NA	<b>2)Prasannakumar Vasudevan</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system and method for equipment compliance testing using automation scripts is described. A development environment creates suitable DLL<sup>TM</sup>s from test scripts library. A script sequencer to run various test scenarios on equipment<sup>TM</sup>s under test, and then uses these DLLs. The DLL<sup>TM</sup>s are arranged and reused, in sequence by the user to create various testing scenarios. The system allows user to save the test scenario for reuse. In addition, users can modify the test scripts at runtime. The execution of the test scenarios is done using suitable communication interface and results are saved.

No. of Pages : 18 No. of Claims : 12



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3238/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :20/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : An Automated Monitor System for Intravenous Therapy

(51) International classification :A61M  
(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 :

**1)Raviharan, Sakthi Priya**

Address of Applicant :Sakthi Kudil, 36 jyothi nagar,  
annaipappar gounder st, nallampalayam main road, ganapathy p.o.  
Coimbatore, TN Tamil Nadu India

**2)Masilamani, Sakthivel**

**3)Mohan, Surya Narayanan**

**4)Logaiah, Sathiyarayanan**

**5)Dhandapani, Somasundareswari**

(72)Name of Inventor :

**1)Raviharan, Sakthi Priya**

**2)Masilamani, Sakthivel**

**3)Mohan, Surya Narayanan**

**4)Logaiah, Sathiyarayanan**

**5)Dhandapani, Somasundareswari**

(57) Abstract :

An automated, wireless, embedded controller system and a method to monitor the flow of intravenous fluid passing comprising a) C-bracket housing; b) a transmitter unit; c) a receiver unit, placed at a different location. An automated, wireless embedded controller system can be used in various medical applications but not limited to intravenous infusion therapy.

No. of Pages : 17 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3494/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :02/08/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : A RESINOID BONDED IN-SITU TiB<sub>2</sub> BASED CERAMIC GRINDING WHEEL AND METHOD OF MAKING THE SAME

(51) International classification	:B24D	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)REGISTRAR</b>
(32) Priority Date	:NA	Address of Applicant :THE DIRECTOR, CIPR, CPDE
(33) Name of priority country	:NA	BUILDING, ANNA UNIVERSITY, CHENNAI - 600 025 Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)S. MADHAVAN</b>
(61) Patent of Addition to Application Number	:NA	<b>2)S. BALASIVANANDHA PRABU</b>
Filing Date	:NA	<b>3)K.A. PADMANABHAN</b>
(62) Divisional to Application Number	:NA	<b>4)L. KARUNAMOORTHY</b>
Filing Date	:NA	

(57) Abstract :

The present invention involves the synthesis of resinoid bonded grinding wheel, which is prepared by blending in-situ HB<sub>2</sub> and Al<sub>2</sub>O<sub>3</sub>. The Titanium di boride (TiB<sub>2</sub>) particles were extracted through an in-situ reaction between halide salts with Aluminium alloy to produce Al-TiB<sub>2</sub> composite. The TiB<sub>2</sub> particles are extracted separately by treating the Al-TiB<sub>2</sub> composite in acidic medium. The TiB<sub>2</sub> particles obtained are ball milled and then blended with Al<sub>2</sub>O<sub>3</sub> particles with a grain size of 4-5µm in the ratio of 60:40 by weight. The bonded abrasive wheel exhibits a high hardness of approximately 76 HRC and good wear resistance. The performance study on grinding was carried out on steel (EN31) in both mill annealed and hardened conditions. The developed grinding wheel shows increased G-ratio and provides good surface finish compared with commercial Al<sub>2</sub>O<sub>3</sub> wheels.

No. of Pages : 28 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1620/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :09/04/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : A DEVICE FOR MONITORING OF BALDNESS OF VEHICLE TYRES

(51) International classification	:B60C	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)MUMSHAD FARAZ AHMED</b>
(32) Priority Date	:NA	Address of Applicant :NO. 2, 3RD CROSS, HUTCHINS
(33) Name of priority country	:NA	ROAD, COOKE TOWN, BANGALORE - 560 084 Karnataka
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)MUMSHAD FARAZ AHMED</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A tyre having a system for detection of balding having a wear indicating element located at the re-threading level of the tyre; a connecting device such as an optical fibre or cable to transfer information to data storage device, such as a silicon chip also located in the tyre; and a communicating device to capture information from the data storage device and display the same on to the dashboard of the vehicle. The invention further describes a method for alerting others in the vicinity about the wearing condition of the vehicle tyre by way of flashing lights from optical fibres located at the tyre.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3307/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :24/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : SIMPLIFIED EARTH DIGGER

(51) International classification	:E02F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)ANTINITO.P.B</b>
(32) Priority Date	:NA	Address of Applicant :S/O. P.T. FRANCIS, PUTHUPPALLIL
(33) Name of priority country	:NA	HOUSE, MANJERI, MALAPPURAM DISTRICT - 676 121
(86) International Application No	:NA	Kerala India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)ANTINITO.P.B</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a simplified earth digger for drilling hole for agricultural, construction and industrial purposes. As per the present invention there is a frame structure comprised a chassis frame with its vertical extension which is to be placed on the earth and a ladder frame on which power plant, drill bit, handle, system lock, accelerator , oscillating levers are fitted. This invention suggests a frame structure which facilitates maximum leverage and prevent the operator from vibration and jerking that may occur during the time of operation. The present invention is based on principle of effort is smaller than load but moves through greater distance. According to the present invention , spring system, oscillators, collapsible handle and fulcrum bolt are provided for making digging easily and work load and hazard do not concentrate to the operator as it is distributed and decentralized on account of its frame structure and its peculiar suspension generated by spring system as such it can be operated by any person of average health continuously. Further it is safe, secure and takes less time and fuel for digging a hole.

No. of Pages : 18 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3210/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :18/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : HYDRAULIC-ELECTRIC AUTOMOTIVE VEHICLE

(51) International classification	:F03D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ARISTO MATHIVANAN
(32) Priority Date	:NA	Address of Applicant :M4/17 MULLAI NAGAR,
(33) Name of priority country	:NA	ARANMANAIPUDUR, THENI 625 531 Tamil Nadu India
(86) International Application No	:NA	2)VISHNUPRIYA MOHANDAS
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)ARISTO MATHIVANAN
(61) Patent of Addition to Application Number	:NA	2)VISHNUPRIYA MOHANDAS
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The Hydraulic - Electric Automotive Vehicle (HEAV) is driven at lower speeds with electrical energy and at higher speeds with hydraulic energy, whereas it is recharged by solar energy, wind energy and kinetic energy. It includes an electrical energy source that stores and supplies electrical energy, a hydraulic energy source that stores and supplies hydraulic energy, an electrical energy to mechanical energy converter that drives the vehicle at lower speeds when activated, a hydraulic energy to mechanical energy converter that drives the vehicle at higher speeds, a solar energy to electrical energy converter that stores electrical energy in the electrical energy storage device, a wind energy to electrical energy converter that stores electrical energy in the electrical energy storage device, a kinetic energy to electrical energy converter that stores electrical energy in the electrical energy storage device, a control system that automatically operates the vehicle with hydraulic drive-train at higher speeds and electric drive-train at lower speeds.

No. of Pages : 25 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3306/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :25/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : A DRILL FOR DRILLING BONE TO PREPARE AN OSTEOTOMY SITE

(51) International classification	:A61B
(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 :  
**1)SANGOLIKAR Deepak**  
Address of Applicant :s/o Dr. M. S. Sangolika, h.no 1-1295/1,  
Vijay Vidyalaya road, opp Nisty heart centre, Gullabowdi,  
Gulbarga-585102 Karnataka India  
**2)CHOWDHARY Ramesh**  
(72)Name of Inventor :  
**1)SANGOLIKAR Deepak**  
**2)CHOWDHARY Ramesh**

(57) Abstract :

A drill (100) which is used for drilling bone to prepare an osteotomy site. The drill (100) comprises of a shaft (102), which is configured to be engaged with an external device. The cutting section (116) of the drill (100), comprises of drill tip (108) and at least one cutting blade (106). The cutting blade (106) defines a hollow section (110) in at least a portion of the cutting section (116). A junction (104) connects the cutting section (116) to the shaft (102), wherein, an external device enables the rotation of the shaft (102), along with the junction (104) and the cutting section (116).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3535/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :07/08/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : KRIMI KATHAK-KRISHI POSHAK (KKKP)-A PROMISING BIOFORMULATION FOR LIFE SUSTAINABILITY OF FARMERS

(51) International classification	:C05F	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DR.K.RAJA PANDIYAN
(32) Priority Date	:NA	Address of Applicant :14/26, MAIN ROAD,
(33) Name of priority country	:NA	NANNIMANGALAM, LALGUDI, TRICHY-621601 Tamil Nadu
(86) International Application No	:NA	India
Filing Date	:NA	2)DR. S. SHANTHI
(87) International Publication No	: NA	3)DR. A. PANNEERSELVAM
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DR.K.RAJA PANDIYAN
(62) Divisional to Application Number	:NA	2)DR. S. SHANTHI
Filing Date	:NA	3)DR.A.PABBEERSELVAM

(57) Abstract :

Tomorrows ecology is more important than todays conventional farm benefits. We prepared a THREE IN ONE bioformulation named as KKKP (Krimi Kathak- Krishi Poshak) and standardized scientifically. This formulation is experimentally proved that it is increasing soil microbes in the Paddy filed. Due to the application of KKKP the physical, chemical and biological properties of the soil have increased drastically when compared to that of chemical fertilizer. It is experimentally proved that, the quality and the essential nutrients of rice have also increased. KKKP is a natural bio formulation which is eco-friendly, cost effective and viable bioformulation without any chemical inputs. Field experiments confirmed that it does not cause any damage to the soil normal flora, fauna and also rejuvenates soil fertility, increases the growth and yield of crops. Above all this KKKP could be manufactured by farmers with the available resource of their farm yard.

No. of Pages : 21 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3435/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :31/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : EMBEDDED CONTROLLER FOR N-LEVEL MULTILEVEL INVERTER USING FPGA

(51) International classification	:H02M	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)B. DASTAGIRI REDDY</b>
(32) Priority Date	:NA	Address of Applicant :1-127, NELATUR (VI&PO),
(33) Name of priority country	:NA	DUVVUR (M), KADAPA(DT) - 516 175 Andhra Pradesh India
(86) International Application No	:NA	<b>2)DR. M.P. SELVAN</b>
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)B. DASTAGIRI REDDY</b>
(61) Patent of Addition to Application Number	:NA	<b>2)DR. M.P. SELVAN</b>
Filing Date	:NA	<b>3)ANISH NK</b>
(62) Divisional to Application Number	:NA	<b>4)DR. S. MOORTHY</b>
Filing Date	:NA	

(57) Abstract :

A multilevel inverter (MLI) with front-end DC-DC conversion stage followed by a synchronized H-bridge is presented. The DC-DC conversion employs an asynchronous buck converter. In the proposed MLI, the duty cycle of DC-DC converter is varied in the form of m-level piecewise constant (PWC) unidirectional sine wave to produce a similar output voltage across the DC-link capacitor. The unidirectional PWC voltage is made into an n-level AC voltage, where  $n = (2m-1)$ , by the synchronized H-bridge. A field programmable gate array (FPGA) based digital controller is utilized for the simultaneous generation of high frequency switching pulses for DC-DC converter and synchronized fundamental frequency switching pulses for H-bridge. The desired number of levels in AC output voltage and its frequency are the essential inputs to the pulse generation algorithm implemented in FPGA. The proposed MLI is simulated in MATLAB/Simulink environment and its functioning is verified with R and RL loads. The hardware prototype of MLI is also built in the laboratory and its performance is validated with resistive (R), resistive-inductive (RL), compact fluorescent lamp and fan loads.

No. of Pages : 30 No. of Claims : 5



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3361/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :29/07/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : SYSTEM AND METHOD FOR APPLICATION LEVEL CACHING

(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

(71)Name of Applicant :

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Address of Applicant :Doddakannelli, Sarjapur Road,  
Bangalore 560035, Karnataka, India.

(72)Name of Inventor :

**1)Munish Kumar Gupta**

**2)Aravind Ajad Yarra**

(57) Abstract :

The disclosure generally relates to methods and systems for application level caching and more particularly to dynamically applying caching policies to a software application. In one embodiment, an application level caching method, comprising: monitoring, using a utility executed by a processor, run-time data access operations corresponding to an application; identifying, using the processor, at least one characteristic associated with the run-time data access operations; triggering, using the processor, a caching rule based on the at least one characteristic associated with the run-time data access operations; and providing, using the processor, a memory access instruction according to the caching rule.

No. of Pages : 18 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3571/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :12/08/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : IMPROVEMENTS IN AND RELATING TO ARECANUT DEHUSKING MACHINES WITH HIGH RATE OF PRODUCTION

(51) International classification	:A23N, B02B	(71) <b>Name of Applicant :</b> <b>1)N. MURALI</b>
(31) Priority Document No	:NA	Address of Applicant :NO. 395, N H 7, HOSUR ROAD,
(32) Priority Date	:NA	CHANDAPURA, BANGALORE - 560 081 Karnataka India
(33) Name of priority country	:NA	<b>2)B.K. SRIDHRAMURTHY</b>
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)N. MURALI</b>
(87) International Publication No	: NA	<b>2)B.K. SRIDHRAMURTHY</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An/ automatic arecanut dehusking machine, driven by a single prime mover has a feeding hopper for arecanuts, a dehusking wheel having atleast two blade sets around its perimeter with a loader mechanism to hold the nut against said wheel, control devices to synchronise the various steps, and a receptacle for receiving and segregating the dehusked nuts from the husk and chaff.

No. of Pages : 22 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3464/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :01/08/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : HINGE ASSEMBLY WITH PLASTIC BUSHES

(51) International classification	:E05D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ASHISH GUPTA
(32) Priority Date	:NA	Address of Applicant :ROCK WELL INDS LTD, 3RD
(33) Name of priority country	:NA	FLOOR, TEJASWI PLAZA, ABOVE TANISHQ SHOWROOM,
(86) International Application No	:NA	PANJAGUTTA, HYDERABAD Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)ASHISH GUPTA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Exemplary embodiments of the present disclosure are directed towards a noise free hinge assembly. The noise free hinge assembly includes one or more plastic pin bushes enclosing a fixed pin solid of a hinge door bracket for securing a fixed frame of a door, a plastic semi circular bush placed between a spring holder and the hinge door bracket configured to fix with a sliding pin mounted in the hinge door bracket and a plastic spring bush secured between the spring holder and a hinge spring for reducing friction generated by opening and closing positions of the door.

No. of Pages : 12 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.298/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :15/03/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : FORWARD VIEWING FLEXIBLE ECHOENDOSCOPE

(51) International classification	:A61B1/01	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)MAHAJAN, NITIN</b>
(32) Priority Date	:NA	Address of Applicant :1-D, MANHAR MAHAL, 4, BAKUL
(33) Name of priority country	:NA	BAGAN ROW, BEHIND LANSDOWNE MARKET,
(86) International Application No	:NA	KOLKATA-700 025, WEST BENGAL, INDIA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)MAHAJAN, NITIN</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A forward viewing echoendoscope is described and illustrated. It comprises a flexible tubular insertion portion (9, 10). It is meant for insertion into the interior cavity of a patient who has to be diagnosed. The flexible insertion portion (9, 10) has an ultrasonic transducer probe (5) at its distal tip. A means (6) for enhancing the field of view in close proximity to the target, is positioned in front of the transducer (5).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1209/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :19/10/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : A STEEL BRIDGE HAVING A SINGLE OR DOUBLE LANE CARRIAGEWAY.

(51) International classification	:E01D22/00	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)GARDEN REACH SHIPBUILDERS AND ENGINEERS LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :43/46, GARDEN REACH ROAD,
(33) Name of priority country	:NA	ROAD, KOLKATA -700024, WEST BENGAL, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)SOMNATH BANDYOPADHYAY</b>
(87) 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 steel bridge having a single or double lane carriageway. More particularly, the present invention relates to a construction of single lane or double lane portable steel bridge. Furthermore, this invention also relates to a steel bridge having a single or double lane carriageway, using detachable panels 3048 mm (10 -0) long and 2160 mm (7 -1) high between pin hole centers and weighing approx 351 Kg (normal type) and approx 443 Kg (heavy shear type) as load bearing girders on both sides of the bridge. Further this invention also relates to a steel bridge having a single or double lane carriageway, along with other associated components to construct through type bridge, which can be assembled and erected at site with components, that are transportable easily. Therefore, this steel bridge, single or double lane, is convenient to dismantle, install and is suitable for transportable easily.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.225/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :27/02/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : DEVICE PROVIDING ENLARGEMENT & PREVENTING COLLAPSE OF THE PUPIL OF THE EYE

(51) International classification

:G02B21/00

(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)SUVEN BHATTACHARJEE**

Address of Applicant :FLAT 6L, BLOCK 1, LAKE  
DISTRICT APT. 74/1 NARKELDANGA MAIN ROAD,  
KOLKATA-700054 West Bengal India

(72)Name of Inventor :

**1)SUVEN BHATTACHARJEE**

(57) Abstract :

A device, providing enlargement and preventing collapse, of the pupil of the eye, during an ophthalmic surgical procedure. The device, configured as a continuous or discontinuous ring, comprises plurality of notches at comers and flanges at sides. The ring is formed from a strand of resiliently flexible material and is disposed entirely within a single plane. The notches engage the pupillary margin at different parts, pushing them apart, resulting in sustained enlargement of the pupil In addition, the device causes bending of the pupillary margin and iris at the notches and above and below the flanges, resulting in a secure engagement. The enlarged pupil created by the ring, allows a wide view of the structures deeper to the pupillary plane, previously obscured due to a small pupil.

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

## **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.1160/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :18/05/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : LOWER STRUCTURE OF VEHICLE FRONT PILLARS•

(51) International classification

:B62D

(31) Priority Document No

:2009-  
120556

(32) Priority Date

:19/05/2009

(33) Name of priority country

:Japan

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)SUZUKI MOTOR CORPORATION**

Address of Applicant :300 Takatsuka-cho Minami-ku  
Hamamatsu-shi Shizuoka-ken Japan

(72)Name of Inventor :

**1)Akira ITAKURA**

(57) Abstract :

The present invention has an object to provide a lower structure of vehicle front pillar which is formed simply, so that lower portion of the front pillars can absorb an impact applied to a vehicle body via wheels during a vehicle collision!!!!.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1161/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :18/05/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : CAP MOUNTING STRUCTURE•

(51) International classification

:B65D

(31) Priority Document No

:2009-

120684

(32) Priority Date

:19/05/2009

(33) Name of priority country

:Japan

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)SUZUKI MOTOR CORPORATION**

Address of Applicant :300 Takatsuka-cho Minami-ku  
Hamamatsu-shi Shizuoka-ken Japan

(72)Name of Inventor :

**1)Kazunori KOUNO**

(57) Abstract :

A cap mounting structure has an engagement hole 12 formed in a peripheral edge part 11 of an opening 7 in an interior member 1; a protruding part 13 is formed on a cap 8; an engagement part 14 engaging with the engagement hole 12 is formed by expanding an intermediate portion in the protrusion direction of the protruding part 13;.....

No. of Pages : 24 No. of Claims : 7



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1536/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :24/07/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : WIPER BLADE ASSEMBLY HAVING ROTATABLE AUXILIARY BEAM

(51) International classification

:B60S

(31) Priority Document No

:10-2009-  
0039614

(32) Priority Date

:07/05/2009

(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 :

**1)KCW Corporation**

Address of Applicant :400-86 Galsan-Dong Dalseo-Gu

Daegu Republic of Korea

(72)Name of Inventor :

**1)KIM KwanHee**

**2)Kim Kyungyol**

**3)An Jaehyuck**

(57) Abstract :

A wiper blade assembly for wiping a windshield of a vehicle actuated by a wiper arm includes a flexible elongated wiper blade adapted to elastically contact with the windshield of the vehicle, a guide beam adapted to transfer the load and motion applied from the wiper arm to the wiper blade, the guide beam having an initial curvature, a plurality of connection members provided along a longitudinal direction of the guide beam, and a plurality of auxiliary beams rotatably coupled to the connection members, serving to hold the wiper blade.

No. of Pages : 29 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1673/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :17/07/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : POWER TRANSMISSION DEVICE FOR A SEWING MACHINE

(51) International classification	:F16H	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)KAULIN MFG. CO. LTD.</b>
(32) Priority Date	:NA	Address of Applicant :11F No. 128 Sec. 3 Min-Shen E. Rd.
(33) Name of priority country	:NA	Taipei Taiwan (R.O.C.)
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)Pei-Chia LIN</b>
(87) 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 power transmission device for a sewing machine includes an upper shaft transmission means, a lower shaft transmission means, a thread-controlling transmission means, a transmission belt, and a tension-adjusting means. The upper shaft transmission means includes an upper transmission shaft and a first belt pulley. The lower shaft transmission means includes a lower transmission shaft and a second belt pulley. The thread-controlling transmission means includes a thread-controlling transmission shaft and a third belt pulley. The transmission belt is simultaneously connected among the first belt pulley, the second belt pulley and the third belt pulley.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1674/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :17/07/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : EXTERNAL DRIVING DEVICE OF A SEWING MACHINE FOR ZIGZAG-SEAMING AN ELASTIC BELT

(51) International classification

:F16H

(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)KAULIN MFG. CO. LTD.**

Address of Applicant :11F No. 128 Sec. 3 Min-Shen E. Rd.  
Taipei Taiwan (R.O.C.)

(72)Name of Inventor :

**1)Pei-Chia LIN**

(57) Abstract :

An external driving device of a sewing machine 9 for zigzag-seaming an elastic belt includes a first gear 10 mounted on one side of the first gear 10 and provided with a shaft hole 21 and a through-hole, a fixing seat 20, an eccentric wheel 30 inserted into the shaft hole 21, a second gear 40 sheathed on the eccentric wheel 30 and drivingly engaged with the first gear 10, a swinging arm 50 pivotally connected into the through-hole, a connecting rod 60 having both ends connected to the swinging arm 50 and

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.174/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :29/01/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : GATIBAL ADHMAS ENGINE WITHOUT FUEL AND BASED ON GRAVITY.

(51) International classification	:F02B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)PRASAD, DR. SATYENDRA SNR. LEC. MATHS</b>
(32) Priority Date	:NA	Address of Applicant :SMT. INDRA GANDHI GOVT. P.G.
(33) Name of priority country	:NA	COLLEGE, LAL GANG, MIRZAPUR, Uttar Pradesh India
(86) International Application No	:NA	<b>2)ROY, SANJAY KUMAR</b>
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	<b>1)RAM, TYAGI DEPTY</b>
(61) Patent of Addition to Application Number	:NA	<b>2)PRASAD, DR. SATYENDRA SNR. LEC MATHS.</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In the present theory, an attempt has been made successfully to perpetuate the rotational motion of a fly-wheel system on the basis of extending the laws of motion in constantly rotating system. the rotating fly-wheel system (Gatibal Adhmas engine) works just like an old auto-mobile engine works, but the major difference between the present Gatibal Adhmas engine and the old auto-mobile engine is that the Gatibal Adhmas engine per-pectuate its motion Having taken the gravitational energy from the earth while the old auto-mobile engine (diesel or petrol engine per pectuate its motion on consumption of diesel or petrol which costs too much investment and produces too much pollution in the invironment also However, a number of models can be developed on the basis of this theory, but to focus the attention to the main point, a simple way of constru-tion in the present theory has been discussed.

No. of Pages : 38 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1535/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :24/07/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : PROCESS FOR PRODUCING FINGOLIMOD SALTS

(51) International classification

:c07c

(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)ratiopharm GmbH**

Address of Applicant :Graf-Arco-Strasse 3 89079 Ulm

Germany

(72)Name of Inventor :

**1)Ramesh Matioram Gidwani**

**2)Channaveerayya Hiremath**

(57) Abstract :

The invention relates to a process for producing pharmaceutically acceptable salts of fingolimod (I), comprising the step of reacting N-[1,1-bis hydroxymethyl-3-(4-octyl phenyl)-propyl]-acylamide (II) with an acidic compound. Furthermore, the invention provides different pharmaceutically acceptable salts of fingolimod and a polymorphic form of fingolimod hydrochloride.

No. of Pages : 32 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1735/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :23/07/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : FAST DISPERSING MULTILAYERED STABILIZED AMORPHOUS PARTICLES•

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)NATIONAL INSTITUTE OF PHARMACEUTICAL</b>
(32) Priority Date	:NA	<b>EDUCATION AND RESEARCH</b>
(33) Name of priority country	:NA	Address of Applicant :Sector 67 S.A.S. Nagar Punjab India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)Arvind Kumar Bansal</b>
(87) International Publication No	: NA	<b>2)Vibha Puri</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention provides fast dispersing multi layered stabilized amorphous pharmaceutical particles. The barrier coated amorphous drug layered particles improve physical stability and promote rapid dispersibility of amorphous particles in aqueous media, and thus can provide fast dispersing dosage form of amorphous pharmaceuticals with improved physical stability. The invention also provides a process for preparing the fast dispersing multi layered stabilized amorphous pharmaceutical particles.

No. of Pages : 29 No. of Claims : 14

(54) Title of the invention : AN IMPROVED SLURRY SPRAY PROCESS FOR COATING OF YTTRIA-STABILIZED ZIRCONIA (YSZ) ON STRONTIUM DOPED LANTHANUM MANGANITE (LSM) TUBES FOR SOLID OXIDE FUEL CELL APPLIATIONS

(51) International classification	:C04B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)COUNCIL OF SCIENTIFIC &amp; INDUSTRIAL</b>
(32) Priority Date	:NA	<b>RESEARCH</b>
(33) Name of priority country	:NA	Address of Applicant :ANUSANDHAN BHAWAN, RAFI
(86) International Application No	:NA	MARG, NEW DELHI-110 001,INDIA.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	<b>1)ANDI UDAYAKUMAR</b>
(61) Patent of Addition to Application Number	:NA	<b>2)BASHEER ABDUL HALEEM</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

Existing methods for coating YSZ electrolyte on LSM substrates, especially for tubular geometries are either not suitable or costly. Existing slurry spray methods use mixture of solvents which can cause uneven evaporation and cracking of the YSZ film during drying / sintering. These methods also use dispersants, plasticizers, binders and surfactants which can cause cracking of the YSZ film during sintering. Washing of YSZ slurry followed by classification leads to lot of wastage of YSZ powder. Present invention employs slurry spray method for coating YSZ on LSM substrate. YSZ slurry having solid loading of 2-4% (by volume) is prepared in a non aqueous solvent, preferably ethanol. The slurry is prepared without the addition of any dispersant, binder or plasticizer. An LSM substrate is fixed onto a mandrel after the surface preparation using Silicon Carbide (SiC) abrasive papers having the grit sizes of 180, 400, 600 and 1000 and the mandrel is rotated at a speed of 120-2000 rpm with the help of a motor controlled through an inverter drive. During rotation, the LSM substrate is preheated with the help of a commercial Hand Dryer for 3-5 minutes. The YSZ slurry is then sprayed onto the rotating LSM substrate for 3-5 minutes using a commercial Spray Gun with air, argon or nitrogen (N<sub>2</sub>) as the carrier gas. LSM substrate is heated with the Hand Dryer during coating to maintain the substrate at a temperature of 40-50 °C. The coated LSM substrate is then kept at 40-50 °C for 12-16 hours for complete drying. The dried coating is then sintered at a temperature of 1410-1460 °C for 5-6 hours to obtain a dense YSZ coating having a thickness of around 15-23 µm, as confirmed by Scanning Electron Microscopy (SEM) analysis.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.180/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :25/01/2011

(43) Publication Date : 23/08/2013

(54) Title of the invention : System and Method for Operation of Electric and Hybrid Vehicles

(51) International classification	:G06Q	(71)Name of Applicant :
(31) Priority Document No	:12/719,921	<b>1)General Electric Company</b>
(32) Priority Date	:09/03/2010	Address of Applicant :1 River Road Schenectady New York
(33) Name of priority country	:U.S.A.	12345 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)Xue Ya</b>
(87) International Publication No	: NA	<b>2)Salasoo Lembit</b>
(61) Patent of Addition to Application Number	:NA	<b>3)Richter Timothy Gerard</b>
Filing Date	:NA	<b>4)Yan Weizhong</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system for operating an electric or hybrid-electric vehicle includes a computer programmed to identify a location of a vehicle (212), access a map and identify a plurality of links therein (210), pre-screen the plurality of links to identify if any of the plurality of links is within a given bounds of the current location (214, and if one of more possible links are identified (222), then match the current location of the vehicle to one of the identified link (250), and upload power data for the vehicle corresponding to the matched location into a database (268).

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1356/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :11/06/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : AQUEOUS CUTTING FLUID AND SLURRY

(51) International classification :C09K

(31) Priority Document No :2009-141070

(32) Priority Date :12/06/2009

(33) Name of priority country :Japan

(86) International Application No :NA

Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)Nissin Chemical Industry Co. Ltd.**

Address of Applicant :17-33 Kitago 2-chome Echizen-shi  
Fukui-ken Japan

(72)Name of Inventor :

**1)Ichiro TANII**

**2)Takayuki HAYASHI**

**3)Toru MIZUSAKI**

**4)Takashi KIMURA**

(57) Abstract :

An aqueous cutting fluid comprising (A) 0.01-20 wt% of a modified silicone is combined with abrasive grains to form an aqueous cutting slurry which has advantages of dispersion stability of abrasive grains, viscosity stability, and a higher machining accuracy.

No. of Pages : 18 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1756/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :25/08/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : CYLINDER LOCK PROTECTION DEVICE

(51) International classification :E04D

(31) Priority Document No :2008-222187

(32) Priority Date :29/08/2008

(33) Name of priority country :Japan

(86) International Application No :NA

Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)ASAHI DENSO CO. LTD.**

Address of Applicant :2-1 Somejidai 6-chome Hamakita-ku  
Hamamatsu-shi Shizuoka Japan

(72)Name of Inventor :

**1)Akihiko TSUCHIKIRI**

**2)Yusuke SAWAKI**

(57) Abstract :

A cylinder lock protection device is provided with: a housing (1) provided above a rotor (2) with a key hole (2); a shutter (3) that is movable between a closing position for closing the key hole (2a) and an opening position for opening the key hole (2a); a locking means (Ma) for locking the shutter (3) located at the closing position;

No. of Pages : 82 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2133/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :08/09/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : BIFACIAL PHOTOACTIVE DEVICES

(51) International classification

:H01L

(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)MOSER BAER INDIA LIMITED**

Address of Applicant :66 Udhyog Vihar Greater Nodia  
Uttar Pradesh India

(72)Name of Inventor :

**1)NIKHIL AGRAWAL**

**2)RAJEEV JINDAL**

**3)ABHISHEK SHARMA**

(57) Abstract :

A bifacial photoactive device is provided. The bifacial photoactive device has a first side and a second side. The bifacial photoactive device includes one or more first photoactive cells on the first side and one or more second photoactive cells on the second side. The first photoactive cells are configured to receive direct radiation, while the second photoactive cells are configured to receive diffused radiation. The first photoactive cells may be any type of photoactive cells, for example, semiconductor-based photoactive cells, thin-film photoactive cells, organic photoactive cells, and so on. Each of the second photoactive cells is an organic photoactive cell.

No. of Pages : 39 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2256/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :21/09/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : SPRAY DRIED FORMULATION OF ANTIGEN CONTAINING ALUM OR ANTIGEN ENTRAPPED POLYMER PARTICLES WITH SURFACE COATED OF ALUM•

(51) International classification

:C07C

(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)NATIONAL INSTITUTE OF IMMUNOLOGY**

Address of Applicant :an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860) Aruna Asaf Ali Marg New Delhi 110 067 India

(72)Name of Inventor :

**1)Amulya Kumar Panda**

**2)CK Anish**

**3)Dinesh G Goswami**

(57) Abstract :

The present investigation relates to vaccine developments where the alum is spray dried and used as an adjuvant. This makes the alum which is mostly used for human vaccine a dry powder rather than a liquid needing low temperature storage. Further, the polymer particle entrapping antigen was coated with alum and spray dried to get solid formulation. This formulation elicited long lasting higher antibody titers which was than alum adsorbed antigen or admixture of polymer entrapped antigen and alum.

No. of Pages : 38 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2257/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :21/09/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : HOUSEHOLD BIOGAS PLANT

(51) International classification

:B01D

(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)UEM India Pvt. Ltd.**

Address of Applicant :D-19 Kalkaji New Delhi 110019 India.

(72)Name of Inventor :

**1)Krishan Mohan Kshetry**

(57) Abstract :

The present subject matter relates to a pre-fabricated based biogas plant 100 which comprises of a membrane based tank 102. The pre-fabricated membrane based biogas plant 100 can be implemented for household purposes also. The membrane based tank 102 is supported by support structure 106. The membrane based tank 102 is provided with a gas inlet 114 and a gas outlet 116 attached to the tank 102. The membrane based tank 102 includes a treatment chamber which is further divided into a pre-treatment chamber 124 and a main treatment chamber 125 by a membrane divider 126. Also, the household biogas plant 100 is also equipped with a moisture trap 134 to allow removal of moisture from the biogas produced in the membrane based tank 102. Additionally, the household biogas plant 100 is also provided with a gas relief system 112 to control the excess pressure inside the household biogas plant 100.

No. of Pages : 31 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1658/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :14/07/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : MULTI-SLOT ANTENNA AND MOBILE DEVICE

(51) International classification	:H04N
(31) Priority Document No	:61/226,500
(32) Priority Date	:17/07/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
**1)Research In Motion Limited**  
Address of Applicant :295 Phillip Street Waterloo Ontario  
N2L 3W8 Canada  
(72)**Name of Inventor :**  
**1)BADARUZZAMAN Firass Mirza**  
**2)YANG Shing Lung Steven**  
**3)KHN Michael**

(57) Abstract :

A mobile communications device having a patch antenna which has defined therein at least two slots each having two or more parts. The at least two slots may include an L-shaped slot and a C-shaped slot, wherein the slots can be open or closed. The L-shaped slot may be an open-slot projecting into the patch antenna from the edge. Ground and signal connections may be at the edge of the patch on either side of the L-shaped slot. The C-shaped slot may be nested within the L-shaped slot.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1659/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :14/07/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHOD AND SYSTEM FOR MAKING AIRCRAFT FLIGHTS HASSLE-FREE

(51) International classification	:B60N	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)VERMA Kush</b>
(32) Priority Date	:NA	Address of Applicant :18 Jopling Road Lucknow U.P. India
(33) Name of priority country	:NA	226001. Uttar Pradesh India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)VERMA Kush</b>
(87) 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 convertible passenger seating arrangement for an aircraft is described herein. The convertible seating arrangement comprises a framework; and a plurality of passenger seats aligned in series during seating position within the framework. Each passenger seat comprises a plurality of sections wherein one end of a first section of the plurality of sections is hingedly attached with one end of a second section, other end of the second section is hingedly attached with one end of a third section, and other end of the third section is hingedly attached with one end of the fourth section. Further, the other end of the fourth section is clamped with the other end of the first section and the other end of the first section is clamped with the third section during seating position. The plurality of sections of each passenger seat are capable of unfolding and aligning in bedding position, thereby enabling the configuration of passenger seats one above the other in the framework.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2450/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :15/10/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : EXTRACTEGG-A NOVEL ALTERNATIVE TO FETAL BOVINE SERUM (FBS) IN ANIMAL CELL CULTURE

(51) International classification	:c12n	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)INDIAN COUNCIL OF AGRICULTURAL RESEARCH</b>
(32) Priority Date	:NA	Address of Applicant :KRISHI BHAWAN, DR.RAJENDRA
(33) Name of priority country	:NA	PRASAD ROAD, NEW DELHI-110001 India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)DR A C MAJUMDAR</b>
(87) International Publication No	:NA	<b>2)DR ANEES C</b>
(61) Patent of Addition to Application Number	:NA	<b>3)DR SADHAN BAG</b>
Filing Date	:NA	<b>4)DR B C DAS</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Fetal bovine serum (FBS) is a common component of all animal cell culture media. FBS is harvested from fetuses of pregnant cow during slaughter. Being live at the time of blood collection, these fetuses are exposed to severe pain and stress. Scientific and ethical concerns are existing regarding the use of FCS in in vitro culture. Across the world several studies are on progress to find a suitable media which can maintain the immortality of stem cell and which can provide a suitable environment for the in vitro produced embryos. Therefore the present study was conducted to exploit the potential of Egg Yolk Extract (EYE) as a possible alternative to FBS in various animal cell cultures and in vitro embryo production. Extrategg was prepared from fresh unfertilized chicken egg after proper processing. They were used at a concentration of 2% in all the cell culture media used Vs 10% FBS. Caprine / Bovine fetal stem cells and fibroblast cells had normal growth and multiplication in the Egg Extract supplemented media which were later characterized with stem cell specific markers. The new media could maintain the fertilization rate in caprine and bovine in vitro embryo production (both invitro fertilization and parthenogenesis)

No. of Pages : 18 No. of Claims : 9



(54) Title of the invention : A PHYTO-PHARMACEUTICAL PREPARATION FOR THE CONTROL OF ACARICIDE RESISTANT TICK INFESTATIONS IN ANIMALS.

(51) International classification	:a61k	(71)Name of Applicant :	<b>1)INDIAN COUNCIL OF AGRICULTURAL RESEARCH</b>
(31) Priority Document No	:NA		Address of Applicant :KRISHI BHAVAN, DR.RAJENDRA
(32) Priority Date	:NA		PRASAD ROAD, NEW DELHI-110001 India
(33) Name of priority country	:NA	(72)Name of Inventor :	<b>1)SRIKANTA GHOSH</b>
(86) International Application No	:NA		<b>2)AJAY KUMAR SINGH RAWAT</b>
Filing Date	:NA		<b>3)SHARAD SRIVASTAVA</b>
(87) International Publication No	:NA		<b>4)SUBHA RASTOGI</b>
(61) Patent of Addition to Application Number	:NA		<b>5)DEBDATTA RAY</b>
Filing Date	:NA		<b>6)ANIL KUMAR SHARMA</b>
(62) Divisional to Application Number	:NA		<b>7)SHASHI SHANKAR TIWARI</b>
Filing Date	:NA		<b>8)DR. PALLAB CHAUDHURI</b>
			<b>9)DR. AMITABH BANDYOPADHYAY</b>

## (57) Abstract :

Ticks belong to the most important group of arthropods transferring disease pathogens from one animal to another. They have been incriminated as voracious blood suckers, causing heavy blood losses resulting low equality hides, lowered productivity in terms of weight gain, milk yield and increased mortality. Among the common tick species infecting cattle in India, Rhipicephalus (Boophilus) microplus is the most widely distributed and causes economic losses in the tune of more than Rs. 2000 crores per annum. Suppression of tick population with chemicals is the basis for maintaining health status of livestock throughout the topical and sub tropical countries including India. Although efforts are being made to establish integrated tick management system as a part of sustainable programme yet the campaign for tick control and eradication still depends on repeated use of harmful synthetic acaricides. Indiscriminate use of chemicals leads to the development of resistance to chemicals, damage on enzootic stability to tick borne diseases (TBDs), harmful effects on human and environmental pollution from residual toxicity in living biota. The major factors contributing in development of resistance include misuse of acaricides, use of improper concentration and their frequency leading to the failure of tick control programme. The problem of resistance and acaricide residues in meat and milk products is inextricably linked, the latter belonging to the most important non-tariff trade barriers when level exceeds the maximum residue level. To combat the problem of acaricide resistance in ticks, efforts have been focused towards the development of herbal acaricides, which are safe for animal use, and there will be less chance of development, of resistance to herbal formulations with no possibilities of evoking environment and residual toxicity- In the present invention, the acaricidal properties of one commonly available plant, Annona squamosa, has been established. A. squamosa is a small well branched tree with edible fruits called sugar-apple / custard apple / sweetsop / sharifa belonging to Annonaceae family and is distributed throughout India. The plant possesses insecticidal activity against different insects; however, the acaricidal activity of A. squamosa against multi acaricide resistant ticks has not been invented. Thus, the main objective of the present invention is to identify the bioactive fraction(s) of A. squamosa leaves extract for the control of multi-acaricide resistant R. (B.) microplus infestations in animals. For extraction, fractionation and sub fractionation, dry leaves of A. squamosa were powdered and soaked in 50% hydro ethanol overnight and concentrated. The 50 % hydro ethanolic extract was fractionated into two and further sub fractionated into Fla, Fib, Flc, Fid and F2a, F2b, F2c, F2d and F2e from butanolic and aqueous fraction, respectively. The HFTLC profile of A. squamosa leaf extract was also done. The crude extract/fractions/sub fractions were tested against susceptible R. (B.) microplus adults employing adult immersion method (AIT) using statistically significant replications containing five ticks in each. The dose dependent response of the extract was worked out by immersing the ticks in different concentrations and %IO was calculated. The LC85 value of the crude extract was determined as 8.05%. The bioactive fractions, Fla, Fib and F2a, showed high anti tick activity in the range of 60-100% against multi acaricide resistant R. (B.), microplus in in vitro. The identified fractions were found safe to animal use and found stable upto 105 days at 4° C. The invention is expected to reduce the use of harmful chemicals on animals.

No. of Pages : 27 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1649/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :14/07/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : A RAPID METHOD FOR GENERATING GENE KNOCK DOWN MODEL•

(51) International classification	:C12N	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)NATIONAL INSTITUTE OF IMMUNOLOGY</b>
(32) Priority Date	:NA	Address of Applicant :an Indian registered body incorporated
(33) Name of priority country	:NA	under the Registration of Societies Act (Act XXI of 1860) Aruna
(86) International Application No	:NA	Asaf Ali Marg New Delhi 110 067 India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)Subeer Suhash Majumdar</b>
(61) Patent of Addition to Application Number	:NA	<b>2)Deepika Sharma</b>
Filing Date	:NA	<b>3)Neerja Wadhwa</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a novel method of generating knock down models by electroporation of shRNA construct into the testis. The present invention provides an ethically superior, non-surgical, user friendly rapid method for the generation of permanent lines of shRNA knock down non human vertebrates. This invention is ethically superior as it does not involve any loss of animal life and drastically minimizes the production time and use of animals. Current techniques for making knockout models are cumbersome, require trained personnel, costly infrastructure and require hundreds of eggs collected after killing several females. In contrast, this method neither involves any costly infrastructure nor requires trained personnel. The invention also relates to the quick incorporation of shRNA gene construct into the germline of a species so that shRNA is inheritable. The present invention also generates in a single go a variety of knock down models differentially.....

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1714/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :22/07/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : RECHARGEABLE BATTERY WITH REDUCED MAGNETIC LEAK

(51) International classification	:H05K
(31) Priority Document No	:09176742.6
(32) Priority Date	:23/11/2009
(33) Name of priority country	:EPO
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
**1)Research In Motion Limited**  
Address of Applicant :295 Phillip Street Waterloo Ontario  
N2L 3W8 Canada  
(72)**Name of Inventor :**  
**1)POULSEN Jens Kristian**  
**2)HAWKER Larry Edward**  
**3)MANKARUSE George Soliman**

(57) Abstract :

In use in a battery, a first spiral-wound battery element and associated wiring generates a first magnetic field and a second spiral-wound battery element and associated wiring generates a second magnetic field. The first element, the second element and the wiring may be arranged within a casing so that the first magnetic field is proximate to the second magnetic field and oriented in an opposite polarity. Conveniently, it may be shown that the total magnetic field generated by the battery has significantly lower magnitude than the total magnetic field generated by a conventional battery for the same current drain and same wiring structure.

No. of Pages : 29 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1907/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :13/08/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : MATCHING CIRCUIT FOR ADAPTIVE IMPEDANCE MATCHING IN RADIO

(51) International classification	:H04N
(31) Priority Document No	:12/542,238
(32) Priority Date	:17/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :  
**1)Sony Corporation**  
Address of Applicant :1-7-1 Konan Minato-ku Tokyo 108-0075 Japan  
**2)Sony Electronics Inc.**  
(72)Name of Inventor :  
**1)HIEN NGUYEN**  
**2)YI ZHOU**  
**3)VIJAY PARPIA**

(57) Abstract :

An impedance matching circuit for a radio receiving antenna signals and has its matching elements, such as capacitors, progressively switched into the circuit, with the matching element configuration resulting in the highest RSSI being subsequently used until a succeeding test or antenna impedance change. The effect of the matching circuit is accounted for in the transmitter calibration routine so that the matching circuit works for both half duplex and full duplex.

No. of Pages : 20 No. of Claims : 21

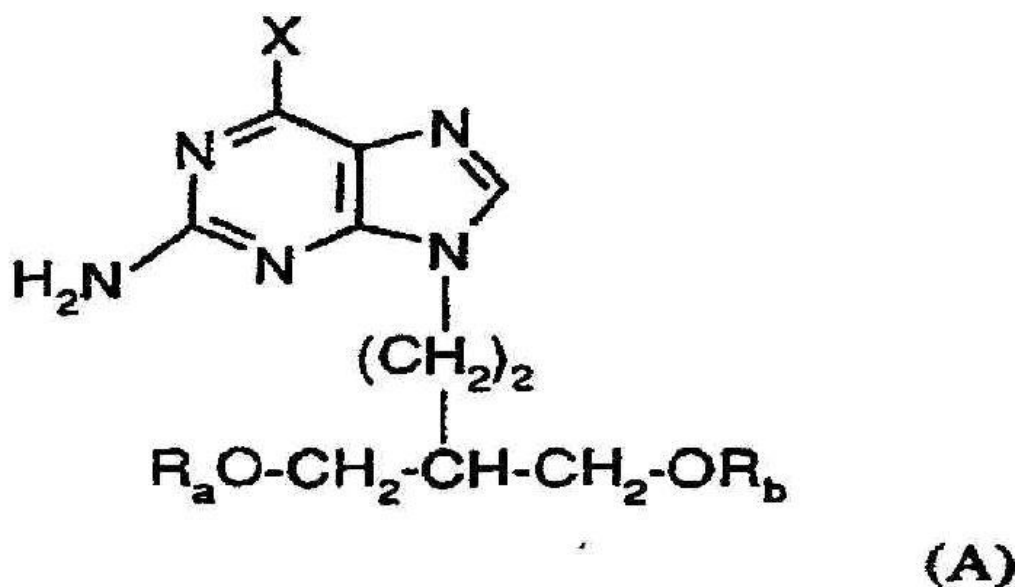
(54) Title of the invention : A PROCESS FOR THE PREPARATION OF A PURINE DERIVATIVE FORMULA (A)

(51) International classification	:C07C
(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	:1212/DEL/1995
Filed on	:29/06/1995

(71)Name of Applicant :  
**1)NOVARTIS INTERNATIONAL PHARMACEUTICAL LTD.,**  
 Address of Applicant :SOFIA HOUSE, 48 CHURCH STREET, HAMILTON HM 12, Bermuda  
 (72)Name of Inventor :  
**1)JOHN ROBERT MANSFIELD DALES**

(57) Abstract :

A process for the preparation of a purine derivative formula (A): wherein: X is hydrogen, hydroxy, chloro, C1-6 alkoxy or phenyl C1-6 alkoxy; and Ra and Rb are hydrogen, or acyl or phosphate derivatives thereof.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1972/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :23/09/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : COMPOUND OF FORMULA (I)

(51) International classification	:C07C
(31) Priority Document No	:04.01436
(32) Priority Date	:13/02/2004
(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	:243/DEL/2005
Filed on	:07/02/2008

(71)Name of Applicant :

**1)LES LABORATORIES SERVIER**

Address of Applicant :12, PLACE DE LA DEFENSE 92415  
COURBEVOIE CEDEX, FRANCE

(72)Name of Inventor :

**1)JEAN-CLAUDE SOUVIE,**

**2)ISAAC GONZALEZ BLANCO**

(57) Abstract :

Compound of formula (I) which is (7-methoxy-3, 4-dihydro-1-napthalenyl)-acetonitrile, for use as an intermediate in the synthesis of agomelatine

No. of Pages : 10 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1392/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :15/06/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : REAR SUSPENSION SPRING SUPPORT STRUCTURE•

(51) International classification :B60G

(31) Priority Document No :2009-151942

(32) Priority Date :26/06/2009

(33) Name of priority country :Japan

(86) International Application No :NA

Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)SUZUKI MOTOR CORPORATION**

Address of Applicant :300 Takatsuka-cho Minami-ku  
Hamamatsu-shi Shizuoka-ken Japan

(72)Name of Inventor :

**1)Hiroyuki KOYAMA**

(57) Abstract :

A rear suspension spring support structure enables a rear side member to have an improved rigidity, and thus driving stability is improved. The rear suspension spring support structure has a rear cross member connected to a rear side member with a rear cross member extension being interposed therebetween; an end portion, on a vehicle lateral side, of the rear cross member extension passing under the rear side member and extending to the vehicle lateral side of the rear side member; the extending portion welded to a lower surface of the rear side member and a side surface of the vehicle lateral side; and a coil spring bracket for receiving an upper end portion of the coil spring joined to a lower surface of the rear cross member extension.

No. of Pages : 36 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1786/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :28/08/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : A BUNDLE COMPRISING TWO PAIRS OF TANKS, AND AN AIRBORNE LAUNCHER INCLUDING SUCH A BUNDLE•

(51) International classification	:F28D	(71)Name of Applicant :
(31) Priority Document No	:0856002	1)SNECMA
(32) Priority Date	:08/09/2008	Address of Applicant :2 Boulevard du General Martial Valin
(33) Name of priority country	:France	75015 PARIS FRANCE
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Daniel PEYRISSE
(87) International Publication No	: NA	2)Dominique LE LOUEDEC
(61) Patent of Addition to Application Number	:NA	3)Jean-Marie CONRADY
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The bundle comprises two pairs of same-volume cylindrical tanks (11, 11), (12, 12), each pair comprising two tanks containing a same-density propellant suitable for flowing at the same volume flow rate, the four tanks being fastened directly to one another via reinforcing hoops (20) in such a manner that the center of gravity of each of said pairs remains continuously on the axis of said bundle (10) while the propellants are flowing.

No. of Pages : 13 No. of Claims : 5



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1787/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :30/07/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : NOVEL HERBAL FRACTION OF PSORALEA CORYLIFOLIA POSSESSING STRONG ANTICANCEROUS ACTIVITY VARIOUS HUMAN CANCER CELL LINES AND METHODS THEREOF

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)VEENA AGRAWAL</b>
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF BOTANY,
(33) Name of priority country	:NA	UNIVERSITY OF DELHI, DELHI-110007, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)VEENA AGRAWAL</b>
(87) International Publication No	:NA	<b>2)YOGENDRA KUMAR</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Present invention reveals the bioefficacy of the herbal fraction of P. corylifolia seed extract against several mammalian cancer cell lines. A significant growth inhibition has been seen in various types of cancer using the herbal fraction isolated by us. The rate of inhibition was cancer specific and dose dependent. It relates to unique composition of herbal extract fraction and method for preventing, treating, or managing different types of cancer. The present invention further relates to the novel extract fraction which is isolated from seed extract of Psoralea corylifolia plant, the preparation of such fraction, the medicaments containing said fractions, and the use of these fractions and constituents for the preparation of a medicinal drug.

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1914/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :13/08/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHOD AND SYSTEM FOR MASS STORAGE ON FLASH MEMORY

(51) International classification	:G06F
(31) Priority Document No	:263/DEL/2010
(32) Priority Date	:05/02/2010
(33) Name of priority country	:India
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
**1)ST-Ericsson SA**  
Address of Applicant :Chemin du Champ-des-Filles 39 1228  
Plan-les-Ouates Switzerland  
(72)**Name of Inventor :**  
**1)DAS PURKAYASTHA Saugata**

(57) Abstract :

Exemplary embodiments provide for mass storage transfers on embedded platforms to flash memory devices to recover their throughput even after prolonged usage when connected to an external control device, e.g., a PC, by reducing copies made during garbage collection. Entries in a flash translation layer (FTL) are updated by evaluating information associated with a file allocation table (FAT table) of a FAT file system to identify at least one free data cluster on the FAT file system and marking as invalid entries in a FTL mapping table which correspond to the at least one identified free data cluster.

No. of Pages : 33 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2658/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :18/12/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : POWERED STEPS FOR STAIRCASES

(51) International classification	:E04F	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)BHUPINDER SINGH GILL</b>
(32) Priority Date	:NA	Address of Applicant :H-45, SARITA VIHAR, NEW DELHI-
(33) Name of priority country	:NA	110076. India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)BHUPINDER SINGH GILL</b>
(87) 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 :

This invention relates to hydraulically powered steps for staircases comprising of atleast two powered steps supporting platform and a hydraulic means wherein the platform is connected to atleast two guide rods to guide the platform in its vertical motion so as to enhance its stability in which the rods are connected to a movable plate on the next step wherein the powered steps are operated by hydraulic system such as herein described.

No. of Pages : 13 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1136/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :15/05/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : MULTI-UNIT COMPOSITIONS

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)JUBILANT LIFE SCIENCES LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :Plot 1A Sector 16A Noida-201 301
(33) Name of priority country	:NA	Uttar Pradesh India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)KUMAR Pratik</b>
(87) International Publication No	: NA	<b>2)MUKHERJI Gour</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed herein a compressed tablet composition comprising (a) coated multiple units, containing at least one active pharmaceutical ingredient, (b) at least one compressibility enhancing agent comprising neutral spheres, (c) at least one cohesiveness imparting agent comprising binder(s). Such a composition provides solution to chipping, cracking and leaking problems associated with compression of coated multiple units (pellets or beads).

No. of Pages : 32 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1968/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :22/09/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : USE OF DITHIOLANE COMPOUNDS FOR PHOTOPROTECTING THE SKIN; NOVEL DITHIOLANE COMPOUNDS; COMPOSITIONS CONTAINING THEM•

(51) International classification	:A61K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:0856414	<b>1)L<sup>TM</sup>OREAL</b>
(32) Priority Date	:24/09/2008	Address of Applicant :14 rue Royale 75008 Paris FRANCE
(33) Name of priority country	:France	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)Xavier MARAT</b>
Filing Date	:NA	<b>2)Karine LUCET-LEVANNIER</b>
(87) 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 the cosmetic use of at least one dithiolane compound chosen from those corresponding to formula (I) below: in a composition comprising a physiologically acceptable medium, for the purpose of reinforcing and/or preserving the natural antioxidant protection of the skin against oxidative stress caused especially by UV radiation.

No. of Pages : 85 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2092/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :01/09/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : A HONEY BASED COMPOSITION AND A PROCESS FOR PREPARATION THEREOF

(51) International classification	:A23L	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)Director General Defence Research and Development</b>
(32) Priority Date	:NA	<b>Organization</b>
(33) Name of priority country	:NA	Address of Applicant :Ministry of Defence Govt. of India
(86) International Application No	:NA	Room No 348 B-Wing DRDO Bhawan Rajaji Marg New Delhi
Filing Date	:NA	110105 India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)KUNIGAL SRINIVASIAH PREMAVALLI</b>
Filing Date	:NA	<b>2)CHENJERE VAMANAMURTHY MADHURA</b>
(62) Divisional to Application Number	:NA	<b>3)PRACHI GUPTA</b>
Filing Date	:NA	

(57) Abstract :

The present invention provides a novel honey based composition comprising: a) 68-80g % by weight honey; b) 4-10g % by weight ashgourd fibre; c) 2-5g % by weight lemon juice; d) 8-13.6g % by weight pure ghee; e) 0.3-0.7g % by weight pectin; and f) 0.3-2g % by weight carboxymethyl cellulose. The present invention also provides a process for preparing a honey based composition and a food product comprising a honey based composition.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2421/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :24/11/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : OXYGEN SENSOR CONVERTER•

(51) International classification	:g01N	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)MINDARIKA PVT. LTD.</b>
(32) Priority Date	:NA	Address of Applicant :Vill. Nawada Fatehpur P.O.
(33) Name of priority country	:NA	Sikanderpur Badda Distt. Gurgaon 122004 Haryana India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)Mahesh Kumar Dang</b>
(87) International Publication No	: NA	<b>2)Mohan Murari Soni</b>
(61) Patent of Addition to Application Number	:NA	<b>3)Pankaj Chandel</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a device for detecting an air/fuel ratio of a fuel mixture being supplied to an engine of a motor vehicle fitted with a LPG/CNG kit by probing exhaust gas resulting from combustion of the air fuel mixture, said device comprising A/F sensor located in the motor vehicle providing an output in the form of a change in current in relation to the amount of oxygen in the exhaust stream, a relay mechanism receiving the output of the A/F sensor and providing the same to a first circuit in presence of a change over signal and to a second circuit in the absence of the change over signal.

No. of Pages : 19 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2575/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :11/12/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : IN SITU CROSS LINKED BIODEGRADABLE GEL WITH HYDROPHOBIC POCKETS

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC & INDUSTRIAL
(32) Priority Date	:NA	RESEARCH
(33) Name of priority country	:NA	Address of Applicant :ANUSANDHAN BHAWAN, RAFI
(86) International Application No	:NA	MARG. NEW DELHI-110 001, INDIA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	1)JITENDRA JAIKUMAR GANGWAL
(61) Patent of Addition to Application Number	:NA	2)MOHAN GOPALKRISHNA KULKARNI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Hydrophilic biodegradable gel incorporating hydrophobic pocket/cavity immobilized by a cross linker where the gel comprises a polymer backbone of polyaspartic acid substituted with a hydrophobic and a hydrophilic amine is disclosed. The pocket/cavity comprises at least one hydrophobic moiety, and is useful for drug delivery and tissue reconstruction.

No. of Pages : 30 No. of Claims : 28



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2908/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :07/12/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : USE OF ANTAGONISTS BACTERIA AND BACTERIOPHAGE IN SEWAGE TREATMENT PLANT BEFORE CONFLUENCE OF DRAIN TO RIVER AND RIVER STRETCHES NEAR HABITATS

(51) International classification	:c12p	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)SANT PRASAD GAUTAM</b>
(32) Priority Date	:NA	Address of Applicant :N-13, NIVEDITA KUNJ, SECTOR-10,
(33) Name of priority country	:NA	R.K. PURAM, NEW DELHI, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)SANT PRASAD GAUTAM</b>
(87) 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 provides a method and a novel composition by which bacteriophage can be very effectively used for treating sewage in the sewage treatment plants or for the treatment of drain water before the confluence of drain water into river. The bacteriophage is administered to the environment. The novel composition then prevents the growth or viability of targeted bacteria by infecting, lysing or inactivating targeted bacteria present in the said environment.

No. of Pages : 12 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.11/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :04/01/2011

(43) Publication Date : 23/08/2013

(54) Title of the invention : PLASTIC/THERMOPLASTIC INSECT REPELLENT DOOR MATS

(51) International classification	:a01m	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)ABHINAV CHAUHAN KUNSTOCOM INDIA LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :KUNSTOCOM INDIA LIMITED, E-
(33) Name of priority country	:NA	27, DEFENCE COLONY, NEW DELHI 110024 India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)ABHINAV CHAUHAN</b>
(87) 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 light weight, durable long lasting insect repellent door mat. It also relates to a new and improved method of producing a door mat that is uniquely formed from the composite material. The door mat is made of plastic or rubber material which may comprise of polyvinyl chloride, or similar thermoplastic polymerization product that is molded with insect repellent composition to be used in the door mat. These door mats are suitable for having excellent efficiency in repelling insects.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.12/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :04/01/2011

(43) Publication Date : 23/08/2013

(54) Title of the invention : A RENEWABLE RESOURCES DRIVES STARCHY RAW MATERIALS TO FERMENT FAST INTO ETHANOL

(51) International classification	:c07c	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CCS HARYANA AGRICULTURAL
(32) Priority Date	:NA	Address of Applicant :UNIVERSITY, HISAR-125 004,
(33) Name of priority country	:NA	HARYANA, India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)S.S. DHAMIJA
(87) International Publication No	:NA	2)SEEMA SANGWAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a process for the maximization of production of ethanol from starchy raw material comprising the steps of combining the starchy raw material with microbially spoilt wheat, grinding the mixture into a flour and adding water thereto to form a slurry, subjecting the slurry to hydrolysis using liquefying amylase followed by saccharifying amylase, to produce sugar, followed by subjecting the sugar to fermentation using distillers yeast biomass to obtain ethanol.

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

(54) Title of the invention : NUCLEIC ACID PRIMERS AND PROBE SEQUENCE FOR DETECTION OF NEISSERIA GONORRHOEAE

(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

(71)Name of Applicant :

**1)COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH**

Address of Applicant :ANUSANDHAN BHAWAN, RAFI MARG, NEW DELHI-110 001, INDIA.

(72)Name of Inventor :

**1)SOOD SEEMA**

**2)RACHNA**

**3)SINGH RENU**

**4)GAJJALA SUMANA**

**5)MANJU BALA**

**6)SAMANTARAY JYOTISH CHANDRA**

**7)PANDEY MANOJ KUMAR**

**8)MALHOTRA BANSI DHAR**

(57) Abstract :

The present invention relates to nucleic acid primers and probe for detection of Neisseria gonorrhoeae. The use of the probe sequence for detection of N. gonorrhoeae in clinical samples (endocervical swabs in females and urethral discharge in males) has been described along with the different biomaterials to which it can be immobilized for detection purpose by the biosensor technology. In addition to its use as a detection probe, the sequence can be used as primer for in vitro amplification of N. gonorrhoeae in clinical samples. The discriminatory capacity of the unique sequence has been established by utilizing the panel of non-N. gonorrhoeae Neisseria species (NgNS) as well as other gram-negative bacteria.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1514/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :29/06/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : A WIND TURBINE WITH IMPROVED YAW CONTROL

(51) International classification

:F03D

(31) Priority Document No

:PA 2009

70047

(32) Priority Date

:30/06/2009

(33) Name of priority country

:Denmark

(86) International Application No

:NA

Filing Date

:NA

(87) 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)Vestas Wind Systems A/S**

Address of Applicant :Alsvej 21 DK-8940 Randers SV

Denmark

(72)Name of Inventor :

**1)FREDERIKSEN Thomas**

(57) Abstract :

The invention relates to a wind turbine comprising a tower (1) and a nacelle (102) mounted on top of the tower (1), the turbine further comprising a bearing (3, 4) for a yaw motion of the nacelle (102) in relation to the tower (1), and a drive assembly (5, 6) for said yaw motion, in turn comprising at least one power unit (5) fixedly connected to the nacelle (102), the power unit (5) comprising a motor (51) and a wheel (52) adapted to be driven by the motor (51) and in engagement with a ring (6) fixedly connected to the tower (1)...

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2576/DELNP/2005 A

(19) INDIA

(22) Date of filing of Application :13/06/2005

(43) Publication Date : 23/08/2013

(54) Title of the invention : DIGITAL SIGNAL TO PULSE CONVERTER

(51) International classification	:H02M
(31) Priority Document No	:10/295,628
(32) Priority Date	:14/11/2002
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
**1)FYRE STORM, INC**  
Address of Applicant :III WEST EVELYN AVENUE,SUIT  
210,SUNNYVALE,CA 94086, U.S.A.  
(72)**Name of Inventor :**  
**1)THOMAS JOHN CARL**

(57) Abstract :

A control system and method for simultaneously regulating the operation of different types of switching power converters. The system utilizes in regulating the power converters sampled data and non-linear feedback control loops.

No. of Pages : 318 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3000/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :15/12/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : ALMOREXANT SALTS, SUITABLE FOR PHARMACEUTICAL PREPARATIONS

(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

(71)Name of Applicant :

**1)RATIOPHARM GMBH**

Address of Applicant :GRAF-ARCO-STRASSE 3, 89079  
ULM, Germany

(72)Name of Inventor :

**1)RAMESH MATIORAM GIDWANI**

**2)CHANNAVEERAYYA HIREMATH**

(57) Abstract :

The present invention relates to salts of the Almorexant freebase with acid compounds, having a pKavalue of -5 or higher and methods of preparation thereof.

No. of Pages : 52 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1503/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :22/07/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : A PROCESS FOR PREPARING - ACETYL LONGIFOLENE•

(51) International classification	:c07c	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)ISF COLLEGE OF PHARMACY</b>
(32) Priority Date	:NA	Address of Applicant :G. T. Road Ghal Kalan Moga 142001
(33) Name of priority country	:NA	Punjab India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)SAMEER SAPRA</b>
(87) International Publication No	: NA	<b>2)KUNAL NEPALI</b>
(61) Patent of Addition to Application Number	:NA	<b>3)G. S. SARMA</b>
Filing Date	:NA	<b>4)O. P. SURI</b>
(62) Divisional to Application Number	:NA	<b>5)K. L. DHAR</b>
Filing Date	:NA	

(57) Abstract :

A process for preparing I%- acetyl longifolene in high yield by reacting Lewis acid and acid anhydride/chloride in the presence of the organic solvent and optionally protonic acid.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1962/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :18/08/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHOD & SYSTEM TO DESIGN AN OPTIMIZED AND BALANCED AUTOMOTIVE HVAC MODULE

(51) International classification

:F24F

(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)SUBROS LIMITED**

Address of Applicant :PHASE-II, NOIDA UTTAR

PRADESH-201304 India

(72)Name of Inventor :

**1)D.M. REDDY (CEO, SUBROS LIMITED)**

**2)VISHAL SAXENA**

(57) Abstract :

The present invention provides a method and system to design an optimized and balanced HVAC module with a unique concept based on real time operation and concurrent designing. The said system and method is utilized to achieve the important HVAC design parameters with unprecedented accuracy and precision which may form the basis of a new generation of HVAC design technology intended particularly for vehicular applications. The main applications, outputs and achievements of the disclosed invention being to determine the exact cooling requirement of the vehicle cabin, compilation of design data for futuristic performance enhancement of air conditioning module of the said vehicle, component balancing of the said air conditioning module, refrigerant quantity optimization, definition and estimation of design confidence number of the design method of the said air conditioning module of the said vehicle, minimizing the design time and hence the design cost.

No. of Pages : 30 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2272/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :23/09/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : CARBON NANOFIBER/CARBON NANOCOIL- COATED SUBSTRATE AND NANOCOMPOSITES

(51) International classification	:b82Y	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)INDIAN INSTITUTE OF TECHNOLOGY KANPUR</b>
(32) Priority Date	:NA	Address of Applicant :Indian Institute of Technology Kanpur
(33) Name of priority country	:NA	Kanpur Uttar Pradesh 208016 India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)KAMAL KRISHNA KAR</b>
(87) International Publication No	: NA	<b>2)ARIFUL RAHMAN</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A composition includes a substrate and a carbon filament where the carbon filament has a first end in contact with the substrate and a second end that is distal to the substrate. The carbon filament may be a carbon nanofiber or carbon nanocoil. The substrate may be a glass fiber and the carbon filament may be radially attached to the glass fiber.

No. of Pages : 48 No. of Claims : 10

(54) Title of the invention : A SYSTEM AND METHOD FOR COSMETIC TREATMENT AND IMAGING

(51) International classification :A61B 8/00  
 (31) Priority Document No :61/059,477  
 (32) Priority Date :06/06/2008  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/US2009/046475  
 Filing Date :05/06/2009  
 (87) International Publication No :WO 2009/149390  
 (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)ULTHERA, INC.**Address of Applicant :2150 S. COUNTRY CLUB DRIVE,  
SUITE 21 MESA, ARIZONA 85210, U.S.A.

(72)Name of Inventor :

**1)BARTHE, PETER, G.****2)SLAYTON, MICHAEL, H.****3)MAKIN, INDER RAJ, S.**

(57) Abstract :

Embodiments of the invention provide a dermatological cosmetic treatment and imaging system and method. In some embodiments, the system (20) includes a hand wand (100) with at least one finger activated controller (150, 160), and a removable transducer module (200) having an ultrasound transducer (280). In some embodiments, the system (20) can include a control module (300) that is coupled to the hand wand (100) and has a graphical user interface (310) for controlling the removable transducer module (200), and an interface (130) coupling the hand wand (100) to the control module (300). The interface (130) may provide power to the hand wand or may transfer a signal from the hand wand to the control module. In some embodiments, the cosmetic treatment system (20) may be used in cosmetic procedures on at least a portion of a face, head, neck, and/or other part of a patient.

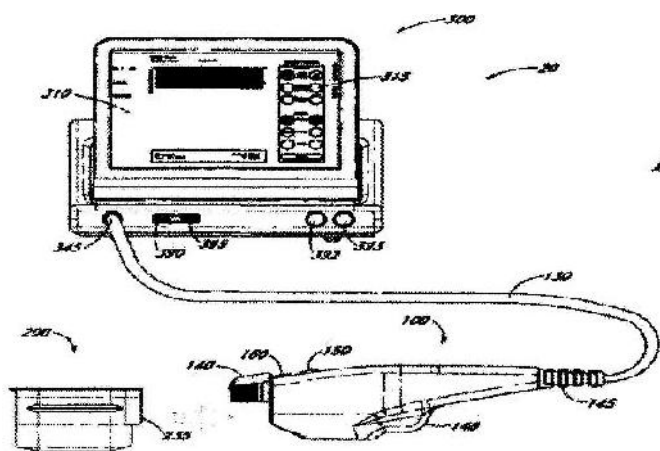


FIG. 1

No. of Pages : 77 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4901/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :28/07/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : PIGMENT COMPOSITION•

(51) International classification	:C09D 17/00
(31) Priority Document No	:07103075.3
(32) Priority Date	:26/02/2007
(33) Name of priority country	:EPO
(86) International Application No	:PCT/SE2008/050088
Filing Date	:25/01/2008
(87) 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)AKZO NOBEL N.V.**  
Address of Applicant :Velperweg 76 NL-6824 BM Arnhem  
The Netherlands  
(72)Name of Inventor :  
**1)LINDGREN Erik**  
**2)ANDERSSON Kjell Rune**  
**3)ERIKSSON Olof**  
**4)WILDLOCK Ylva**

(57) Abstract :

The invention relates to an aqueous pigment composition comprising polyalkylene glycol and inorganic pigment particle comprising colloidal silica or silicate based particles or aggregates thereof, wherein polyalkylene glycol constitutes from 50 to 100 wt% of the total amount of organic material in the composition and the weight ratio of colloidal silica 5 or silicate based particles or aggregates thereof to organic material in the composition is from 1:3 to 30:1. The invention further relates to a process for its production, use thereof, a process for coating paper or paper board and coated paper or paper board.

No. of Pages : 18 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1274/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :02/06/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : PADLOCK•

(51) International classification

:E05B

(31) Priority Document No

:10 2009

023 561.2

(32) Priority Date

:02/06/2009

(33) Name of priority country

:Germany

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)ABUS AUGUST BREMICKER S-HNE KG**

Address of Applicant :Altenhofer Weg 25 58300 Wetter-  
Volmarstein Germany

(72)Name of Inventor :

**1)Wai Kuen FAN**

**2)Bernhard GARTHE**

(57) Abstract :

The invention relates to a padlock having a lock body and a shackle having two shanks which each have a respective groove for the reception of a respective part region of a locking element, wherein a pin which can be acted on by a lock cylinder core to make a rotational movement is provided for the movement of the locking elements into their locking position, the pin, which is in particular biased by a spring into its locking position, has at least one engagement element for the cooperation with at least one entrainer formation of the lock cylinder core. In this respect, a blocking plate is provided between the pin and the lock cylinder core, which is fastened in the lock body and which has an opening through which the entrainer formation of the lock cylinder core projects into.....

No. of Pages : 44 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1681/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :19/07/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : NOVEL IONIC LIQUID CATALYSTS AND A PROCESS FOR N-t Boc FORMATION USING SAID CATALYSTS•

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)NATIONAL INSTITUTE OF PHARMACEUTICAL</b>
(32) Priority Date	:NA	<b>EDUCATION AND RESEARCH (NIPER)</b>
(33) Name of priority country	:NA	Address of Applicant :Sector-67 Phase X S.A.S. Nagar
(86) International Application No	:NA	Mohali District Ropar Punjab 160062 India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)Asit Kumar Chakraborti</b>
(61) Patent of Addition to Application Number	:NA	<b>2)Anirban Sarkar</b>
Filing Date	:NA	<b>3)Sudipta Raha Roy</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a novel ionic liquid catalyst for N-t-Boc formation of formula (I) which does not require any additional organic solvent as a reaction media wherein R<sub>2</sub> = an alkyl chain; R<sub>f</sub> independently represents a hydrogen atom, alkyl chain or alkyl chain with halogen substituent; a cation and X represents counter anion and a method for the formation of N-t-Boc.

No. of Pages : 19 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1745/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :26/07/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : WRAPPING MACHINE

(51) International classification

:B65B

(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)KHOSLA Rajesh**

Address of Applicant :House No. 644 Sector 16 D

Chandigarh India

(72)Name of Inventor :

**1)KHOSLA Rajesh**

(57) Abstract :

A drive mechanism for a wrapping machine for transmitting the rotational motion from a drive shaft to a driven shaft is disclosed. The drive mechanism comprises a drive wheel, a driven wheel, a first idler and one or more second idlers. The drive wheel is operatively connected to the driving shaft and the driven wheel is operatively connected to the driven shaft. The driven wheel is mounted on a feeder structure and is connected to the drive wheel by means of a first portion of a timing belt. The feeder structure further comprises a support arm. The first idler, anchored to the support arm, is connected to the driven wheel by a second portion of the timing belt. Further, the one or more second idlers are mounted on a fixed bracket and are connected to the first idler by a third portion of the timing belt. The timing belt thus forms an endless loop, connecting the drive wheel, the driven wheel, the first idler and the one or more second idlers.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.601/DEL/2006 A

(19) INDIA

(22) Date of filing of Application :08/03/2006

(43) Publication Date : 23/08/2013

(54) Title of the invention : A PROCESS FOR THE PRESERVATION OF JUICE SACS FROM SWEET ORANGE AND SIMILAR FRUITS THEREOF

(51) International classification	:A23C	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)COUNCIL OF SCIENTIFIC &amp; INDUSTRIAL</b>
(32) Priority Date	:NA	<b>RESEARCH</b>
(33) Name of priority country	:NA	Address of Applicant :ANUSANDHAN BHAWAN, RAFI
(86) International Application No	:NA	MARG, NEW DELHI-110001, INDIA.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	<b>1)DR. P. VIJAYANAND</b>
(61) Patent of Addition to Application Number	:NA	<b>2)MR. S. G. KULKARNI</b>
Filing Date	:NA	<b>3)DR. K. V. R. RAMANA</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The process developed in the present invention facilitates preparation of juice sacs from sweet orange. The segments containing the juice sacs are a rich source of sugars and other nutrients naturally present in the fruit. The juice sacs can be used as a source of natural orange juice solids in different food formulations. The segments containing juice sacs can be used for improving the texture and mouth feel of the ready to serve beverages. The juice sacs packed in food grade flexible packaging can be preserved at ambient conditions up to a period of 4 months. The juice sacs is a value added product from sweet orange and other sweet orange.

No. of Pages : 13 No. of Claims : 8



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1038/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :01/05/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : ADJUSTMENT DEVICE FOR VEHICLE HEADLIGHT ASSEMBLY

(51) International classification	:H05B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)TYC Brother Industrial Co. Ltd</b>
(32) Priority Date	:NA	Address of Applicant :No. 72-2 Shin-Leh Road An-Ping
(33) Name of priority country	:NA	Industrial District Tainan City R.O.C. Taiwan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)TSAI Yung-Chang</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An adjustment device for a headlight assembly includes a stationary frame having a passage and a first threaded section is defined in the passage. A first shoulder is formed in the passage. An adjustment rod has a ball-shaped end member and an operation portion respectively on two ends thereof, and an O-ring is engaged with a groove defined in an outer periphery of the adjustment rod. A second threaded section is defined in an outer periphery of the adjustment rod and a second shoulder is formed on the operation rod. The second threaded section is inserted into the passage and threadedly connected with the first threaded section. The O-ring is engaged with an inner periphery of the passage.

No. of Pages : 22 No. of Claims : 4

(54) Title of the invention : TEMPO (2,2,6,6,-TETRAMETHYLPYPERIDINYL-1-OXYL RADICAL) MEDIATED CATALYTIC OXIDATIVE SYNTHESIS OF CELLULOSE NANOFIBERS 5-50 NM SIZE FROM THE AQUATIC WEED WATER HYACINTH.

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)DEPARTMENT OF BIOTECHNOLOGY</b>
(32) Priority Date	:NA	Address of Applicant :BLOCK 2, C.G.O. COMPLEX, LODHI
(33) Name of priority country	:NA	ROAD, NEW DELHI-110 003. India
(86) International Application No	:NA	<b>2)INTERNATIONAL INSTITUTE OF</b>
Filing Date	:NA	<b>BIOTECHNOLOGY AND TEXICOLOGY</b>
(87) International Publication No	:NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)A. RAMESH</b>
Filing Date	:NA	<b>2)M. THIRIPURA SUNDARI</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

This invention relates to a catalytic process involving TEMPO mediated oxidative synthesis of cellulose nanofibers 5-50nm size from the aquatic weed water hyacinth comprising the steps of, chopping the stem part of hyacinth into pieces, bleaching with sodium chlorite and washing repeatedly with water, putting bleached cellulose fibers in 250ml of deionised water, adding 20mg of 2,2,6,6-Tetramethylpyperidinyl-1-oxyl radical, 1 gm of sodium chlorite, sodium hypochlorite and maintaining at neutral pH and stirring continuously to get transparent suspension, storing oxidized cellulose at 4 °C, washing TEMPO oxidized cellulose with water, centrifuging, homogenizing the cellulose suspension in a homogenizer and sonicating to obtain transparent nanofiber suspension, pouring nanofiber suspension into hydrophilized Polytetrafluoroethylene (PTFE) membrane with 0.1 nm size and filtering, drying the filtered suspension to obtain optically transparent thin film.

No. of Pages : 17 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6027/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :21/09/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : MULTILAYER FILM AND CONTAINER

(51) International classification	:B65D
(31) Priority Document No	:2007-044067
(32) Priority Date	:23/02/2007
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2008/052668
Filing Date	:18/02/2008
(87) 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)OTSUKA PHARMACEUTICAL FACTORY INC.**  
Address of Applicant :115 Aza-Kuguhara Tateiwa Muya-cho Naruto-shi Tokushima 772-8601 Japan  
(72)**Name of Inventor :**  
**1)INOUE Fujio**  
**2)TATEISHI Isamu**  
**3)MORIMOTO Yasushi**

(57) Abstract :

To provide a multilayer film and a container formed of the multilayer film which are excellent in unsealability, transparency, mechanical strength and sterilization heat resistance and are capable of preventing exudation of additives from the film into a liquid contained in the container.

No. of Pages : 74 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6028/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :21/09/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : STETHOSCOPE CLEANING ASSEMBLY

(51) International classification :a61b  
(31) Priority Document No :11/728,207  
(32) Priority Date :23/03/2007  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2008/003572  
Filing Date :18/03/2008  
(87) 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 :230 East 15th Street #1-A New York  
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(72)Name of Inventor :  
**1)PERLMAN Michael Ellis**  
**2)SELLERS James M.**  
**3)RUBIN Keith**  
**4)CARDINALI Mathew**  
**5)COLE Michael R.**  
**6)PERLMAN Sidney**

(57) Abstract :

An assembly structured to clean the head portion of a stethoscope comprising a housing including a path of travel along which the head portion passes during cleaning. A supply of cleaning fluid is associated with a dispensing assembly which is cooperatively disposed relative to an activating assembly. The activating assembly is manually operated due to moveable engagement with the head portion as it travels along the path of travel.

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

(54) Title of the invention : A DEVICE TO WIND STRING

(51) International classification

:b65h

(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 device to wind string is disclosed. The device D comprises a cylindrical block 1 mounted over a main shaft 2 of the device D to accommodate an electric motor 4 in a cavity provided in the central block. Electric energy means 13 are provided in other cavities 5 in the cylindrical block 1 so as to provide electric energy to operate said motor 4. A spool 8 mounted rotatably on the main shaft 2 such that to receive rotational movement from the motor 4. A switch 14 is provided at one end of the main shaft 2 to switch-on and switch-off power supply to the motor 4.

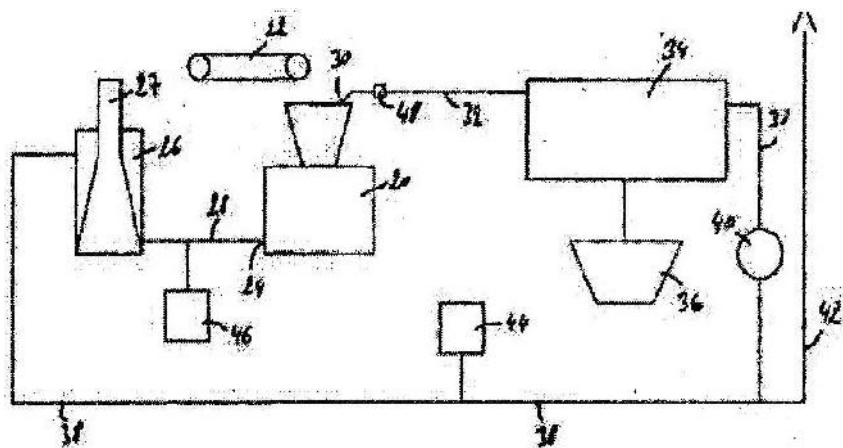


Fig. 1

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

**(71)Name of Applicant :**

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Address of Applicant :B-111, PLOT NO. 39 C, KAROR  
SOCIETY, SECTOR-6, DWARKA, NEW DELHI-75, INDIA

**(72)Name of Inventor :**

**1)PARESHBHAI KASTURBHAI PANCHAL**

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2922/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :08/12/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : AMINO FUNCTIONALISED OLIGOIMIDE TELECHELICS

(51) International classification	:c07c	(71)Name of Applicant : <b>1)DIRECTOR GENERAL, DEFENCE RESEARCH &amp; DEVELOPMENT ORGANISATION</b> Address of Applicant :MINISTRY OF DEFENCE, GOVT OF INDIA, ROOM NO 348, B-WING, DRDO BHAWAN, RAJAJI, MARG, NEW DELHI 110 105 India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)DWIVEDI MAYANK</b>
(33) Name of priority country	:NA	<b>2)LOCANINDI HARI SARVOTHAMA RAO</b>
(86) International Application No	:NA	<b>3)SRINIVASULU REDDY KRISHNA MOHAN</b>
Filing Date	:NA	<b>4)JANAKIRAMAN DHANASEKHARAN</b>
(87) International Publication No	:NA	<b>5)BEVARA MADHUSUDANA RAO</b>
(61) Patent of Addition to Application Number	:NA	<b>6)SRIPERAMBUDUR RAJESH KUMAR</b>
Filing Date	:NA	<b>7)SURENDRA PONRATHNAM</b>
(62) Divisional to Application Number	:NA	<b>8)CHELANATTUKIZHAKKEMADATH RAMAN RAJAN</b>
Filing Date	:NA	<b>9)DEOKAR SARIKA BABASAHEB</b>
		<b>10)MULANI KHUDBUDIN BABAN</b>
		<b>11)GHORPADE RAVINDRA VASANT</b>
		<b>12)BHONGALE SUNIL SITARAM</b>
		<b>13)NALAWADE ARCHANA CHETAN</b>
		<b>14)SONTAKKE KALPANA VISHWANATHRAO</b>
		<b>15)SHAIKH WASIF ABDUL LATEEF</b>
		<b>16)CHAVAN NAYAKU NIVRATI</b>
		<b>17)QURESHI MOHAMMED SHADBAR</b>
		<b>18)DHOBLE DEEPA ARUN</b>
		<b>19)MULE SMITA ATMARAM</b>
		<b>20)BHOSLE SONALI MADHAVRAO</b>
		<b>21)MOMIN MOHASIN SHAMSHUDDIN</b>

(57) Abstract :

This invention relates to a process for the preparation of amino functionalized oligoimide telechelics. More particularly it relates to a process for the preparation of soluble oligoimide prepolymers which can be used as matrix resins that can be rapidly cured to form stable polyimides with amino end functionalities. The amino functionalized oligoimide telechelics are suitable for conversion into three dimensional polymeric systems through condensation chemistry such as reaction with oligo epoxies (epoxy-imide resins), polyacids (polyamide imides) and polyhalogenated compounds (poly amine - imides) to form crosslinked structures having enhanced thermal stability and mechanical strength. The polymers prepared by the process of this invention can be used as materials in advanced composites having high temperature stability.

No. of Pages : 30 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.596/DEL/2006 A

(19) INDIA

(22) Date of filing of Application :08/03/2006

(43) Publication Date : 23/08/2013

(54) Title of the invention : A PROCESS FOR THE PREPARATION OF INSTANT BARS FROM TOMATO, BEETROOT, CARROT, TAMARIND AND SIMILAR COMMODITIES THEREOF

(51) International classification	:A23L 1/212	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)COUNCIL OF SCIENTIFIC &amp; INDUSTRIAL RESEARCH</b>
(32) Priority Date	:NA	Address of Applicant :ANUSANDHAN BHAWAN, RAFI
(33) Name of priority country	:NA	MARG, NEW DELHI-110001, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)DR. P. VIJAYANAND</b>
(87) International Publication No	:NA	<b>2)MR. S.G. KULKARNI</b>
(61) Patent of Addition to Application Number	:NA	<b>3)DR. K.V.R. RAMANA</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Instant bars developed from the present invention are rich source of carotenoids, polyphenols, lycopene and minerals viz., calcium, phosphorus and magnesium and other functional food components. The process developed in the present invention facilitates the preparation of bars from vegetables and other commodities rich in nutrients and other functional food components. The instant bars are a concentrated source of nutrients and other functional food components. The instant bars can be used in the preparation and formulation of a number of instant food products such as soups and other instant food formulations. The tamarind bar from the present invention can be used as a natural source of acidulant free from seeds and fiber and can be used as instant product. The tomato bar with natural spice flavorings can be used for the preparation of instant tomato soup. The instant bars packed in suitable flexible packaging materials are value added products which are shelf stable at ambient conditions for a period of not less than 4 months at ambient conditions.

No. of Pages : 13 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6242/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :29/09/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : SYSTEM AND METHOD FOR GROWING PHOTOSYNTHETIC MICRO-ORGANISMS

(51) International classification :c12n

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/IB2009/054230

Filing Date :28/09/2009

(87) 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)Harshvardhan Jaiswal**

Address of Applicant :142C SFS DDA Flats Gulabi Bagh  
Delhi India

(72)Name of Inventor :

**1)Harshvardhan Jaiswal**

(57) Abstract :

Disclosed is a system and method for growing photosynthetic micro-organism. The system, comprises: a culture tank capable of retaining a micro-organism culture and the water, a cooling tank connected with the culture tank for controlling the temperature of the water of the culture tank; a holding tank capable of holding the micro-organism at a required temperature and light; and at least a bioreactor capable of providing maximum exposure of sunlight to the micro-organisms and maintaining continuous flow of the micro-organism.

No. of Pages : 15 No. of Claims : 20



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1657/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :14/07/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : SEALED TURN INDICATOR SWITCH FOR TWO/THREE WHEELED VEHICLE•

(51) International classification

:B60Q

(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)MINDA INDUSTRIES LIMITED**

Address of Applicant :Village Nawada Fatehpur P.O.  
Sikanderpur Badda Distt. Gurgaon Haryana 122004 India

(72)Name of Inventor :

**1)S. PURUSHOTHAMAN**

**2)JITENDRA SAINI**

(57) Abstract :

The present invention relates to a blinker switch assembly which comprises a bracket (6), a top cover (1) and a bottom cover such that on assembling them they define a top chamber and a bottom chamber. The top chamber comprises of a lever assembly which exhibits pivotal movement upon actuation. The bottom chamber comprises of one or more fixed contacts (15). A moving contact carrier assembly is provided in the bottom chamber which is configured to exhibit bi-directional rotational movement around a vertical axis so as to selectively bring said one or more moving contacts (14) in contact with the said one or more fixed contacts (15). A carrier cam (13) provided in the top chamber cooperates with the lever assembly for translating the pivotal movement of the lever assembly into bi-directional movement of the moving contact carrier assembly.

No. of Pages : 24 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3010/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :16/12/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : A CIRCULAR NEEDLING MACHINE FED WITH A FIBER SHEET BY A CONVEYOR AND A VERTICAL CHUTE•

(51) International classification	:D04H	(71)Name of Applicant :
(31) Priority Document No	:0959406	<b>1)MESSIER-BUGATTI</b>
(32) Priority Date	:22/12/2009	Address of Applicant :Zone Aeronautique Louis Breguet
(33) Name of priority country	:France	78140 VELIZY VILLACOUBLAY - FRANCE
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)DELECROIX Vincent</b>
(87) International Publication No	: NA	<b>2)FARON Marc</b>
(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 circular needling machine (10) for needling a textile structure formed from a helical fiber sheet, the machine comprising a needling table (200) disposed beneath a feed table (100) for feeding a helical fiber sheet for needling. The feed table comprises a circular belt conveyor (102) for receiving thereon a helical fiber sheet (106) for needling, the conveyor being centered on a vertical axis (104) and having a radial slot (120) opening out under the circular conveyor to unwind continuously the fiber sheet received on the conveyor, the slot opening out under the conveyor towards a substantially straight chute (400) that extends vertically between the conveyor and a support tray of the needling table centered on the vertical axis of the conveyor.....

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6239/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :29/09/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : SPINDLE DEVICE OF MACHINE TOOL

(51) International classification	:g01b
(31) Priority Document No	:2007-089274
(32) Priority Date	:29/03/2007
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2008/055952
Filing Date	:27/03/2008
(87) 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)MITSUBISHI HEAVY INDUSTRIES LTD.**

Address of Applicant :16-5 Konan 2-chome Minato-ku  
Tokyo 108-8215 Japan

(72)Name of Inventor :

**1)INOUE Atsushi**

**2)YOSHIKAWA Mutsumi**

**3)TAUCHI Hiroyuki**

(57) Abstract :

A spindle device of machine tool includes a pressure sensor (31) that detects a pressing force to a rod (18) by a drive (25), a displacement sensor (32) that detects displacement of the rod (18), a tool clamping-force detector (33) that detects a clamping force to a tool (19) by a collet (20) based on the pressing force to the rod (18) and the displacement of the rod (18), and a spring-replacement-timing determining unit (36) that determines a replacement timing of disc springs (24) based on the tool clamping force and a preset biasing force characteristic value of the disc springs (24), thereby allowing highly accurate determination of a replacement timing of a biasing unit by appropriately detecting a tool clamping force.

No. of Pages : 36 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6240/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :29/09/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : BALANCED SOLENOID VALVE•

(51) International classification	:f16k
(31) Priority Document No	:11/784,106
(32) Priority Date	:05/04/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2008/003766
Filing Date	:21/03/2008
(87) 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)MAC VALVES INC.**  
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48393 U.S.A.  
(72)**Name of Inventor :**  
**1)WILLIAMS Kevin C.**  
**2)NEFF Robert H.**  
**3)SIMMONDS Jeffrey**

(57) Abstract:

A valve assembly includes a solenoid can having an internal coil. A valve body connected to the solenoid can includes an inlet port and a first valve seat. An axially adjustable retainer threadably connected to the valve body includes an end portion defining a second valve seat. A homogenous valve member/armature slidably disposed in the valve body moves in the presence of a coil generated magnetic flux between valve closed and valve open positions. A valve member/armature first surface area is in fluid communication with a pressurized fluid through the inlet port. A valve member/armature second surface area is in fluid communication with the pressurized fluid in the valve closed position. The first surface area is equal to the second surface area and the pressurized fluid acts equally on the first and second surface areas defining a pressure balanced condition in the valve closed position.

No. of Pages : 43 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1558/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :28/07/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : FUSE BULB INDICATOR•

(51) International classification	:H05B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)MINDARIKA PVT. LTD.</b>
(32) Priority Date	:NA	Address of Applicant :Vill. Nawada Fatehpur P.O.
(33) Name of priority country	:NA	Sikanderpur Badda Distt. Gurgaon 122004 Haryana India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)Mahesh Kumar Dang</b>
(87) International Publication No	: NA	<b>2)Mohan Murari Soni</b>
(61) Patent of Addition to Application Number	:NA	<b>3)Pankaj Chandel</b>
Filing Date	:NA	<b>4)Manoj Sharma</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A lamp failure indicating circuit particularly useful for automotive vehicle application such as high beam lamp, low beam lamp, front fog lamp, rear fog lamp and tale lamp. For all the loads a normal condition current limit is defined which is a threshold for this monitoring circuit. The disclosed circuit monitors current for each of the lamp, one shunt resistor for each load is used as current sensing device. As the current varies from specified limit, a signal goes to the alarm indicating unit which generates the alarm which is an indication for the driver of the vehicle that the corresponding load is not working.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1741/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :26/07/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : Graphene incorporated organic electronics structure and modification in the method of preparation of graphene used therein

(51) International classification

:c01B

(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)Divya**

Address of Applicant :Divya D/O Mr. Satyendra Kumar IPS  
presently Commandant 42nd Bn. PAC Naini Allahabad.  
Pincode- 211008 India

(72)**Name of Inventor :**

**1)Divya**

(57) Abstract :

The invention appertains to organic electronics structures/devices, with incorporated graphene sheet/sheets to enhance the performance of such structure/devices. This invention also improves upon the pre-existing methods for manufacture of graphene sheet/sheets. These improvements are especially useful in the context of graphene sheet/sheets incorporated organic electronics structure/device described herein.described herein.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.187/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :01/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : WIND POWER TURBINE BLADE PACKING AND PACKING METHOD•

(51) International classification

:F03D

(31) Priority Document No

:MI2009A

(32) Priority Date

000119

(33) Name of priority country

:30/01/2009

(86) International Application No

:Italy

Filing Date

:NA

(87) 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)WILIC S.AR.L.**

Address of Applicant :1724 LUXEMBOURG (Luxembourg)

41 Boulevard du Prince Henri. Luxembourg

(72)Name of Inventor :

**1)Mr. Matteo CASAZZA**

(57) Abstract :

Packing (1) for wind power turbine blades (2) has at least one inflatable annular structure (13), which in turn has a flat outer supporting wall (16), and inner clamping walls (21, 22) for clamping a blade (2) in a given position with respect to the outer supporting wall (16).

No. of Pages : 21 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2059/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :30/08/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : AN IMPROVED APPARATUS AND METHOD FOR CONTROLLED ENVIRONMENT AGRICULTURE OR HYDROPONICS AGRICULTURE

(51) International classification	:a01G	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)AYURVET RESEARCH FOUNDATION</b>
(32) Priority Date	:NA	Address of Applicant :6th Floor Sagar Plaza District Centre
(33) Name of priority country	:NA	Vikas Marg Laxmi Nagar Delhi-110092 India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)Mohan Ji Saxena</b>
(87) International Publication No	: NA	<b>2)Anup Kalra</b>
(61) Patent of Addition to Application Number	:NA	<b>3)Deepti Rai</b>
Filing Date	:NA	<b>4)Ashutosh Johri</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An improved system and method for controlled environment agriculture (hydroponics agriculture) is provided wherein the said system is characterized with specially designed rollers for smooth shifting of trays vertically as well as horizontally for germination and growth of plants within the hydroponic chamber, which causes the system requiring less space and time for specific quantity of production. The system of the present invention has an advanced microprocessor based controlling system inside the controlled chamber which controls environment and working within the chamber.

No. of Pages : 33 No. of Claims : 10



(12) PATENT APPLICATION PUBLICATION

(21) Application No.6287/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :01/10/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : GAS DIFUSION DEVICE

(51) International classification	:G01d
(31) Priority Document No	:11/713,422
(32) Priority Date	:02/03/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2008/002769
Filing Date	:01/03/2008
(87) 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)NAUGHTON Bart**

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Sacramento CA 95825 U.S.A.

(72)Name of Inventor :

**1)NAUGHTON Bart**

(57) Abstract :

A gas diffusion device used in conjunction with a flow of gas from a conduit utilizing a sheet having a peripheral edge defining a surface inwardly from the edge. The surface possesses a first zone, and a second zone between the first zone and the peripheral edge. A first plurality of apertures through the sheet lie in the first zone. A second plurality of apertures through the sheet lie in the second zone. The percentage of open area of the first plurality of apertures relative to the area of the first zone is less than the percentage of open area due to the second plurality of apertures through the second zone.

No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6288/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :01/10/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : &quot;IN-SITU&quot; BALLAST WATER TREATMENT SYSTEM AND METHOD

(51) International classification :c02f  
(31) Priority Document No :11/712,795  
(32) Priority Date :01/03/2007  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2008/002561  
Filing Date :27/02/2008  
(87) 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)SEA KNIGHT, CORPORATION**  
Address of Applicant :1390 Progress Road, Suffolk Virginia  
23434, U.S.A.  
(72)Name of Inventor :  
**1)THOMPSON Claude**  
**2)LECHLER William M.**  
**3)MARSHALL Neil**

(57) Abstract :

A method and system for ballast water treatment are provided. A vacuum is applied directly to an existing vent of a vessel<sup>TM</sup>s ballast water tank during the vessel<sup>TM</sup>s voyage. The applied vacuum is in a range of approximately -2 to -4 pounds per square inch. To further assure success, living organisms can be added into the ballast water tank to consume (i) oxygen dissolved in the ballast water, and (ii) food sources for selected organisms contained in the ballast water. No modifications to the vessel<sup>TM</sup>s ballast water tank are required as all system components are coupled to the existing vent.

No. of Pages : 25 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.24/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :06/01/2011

(43) Publication Date : 23/08/2013

(54) Title of the invention : A PROCESS FOR ISOLATION OF A NOVEL COMPOUND 5, 8A-DI-1-PROPYL 1-OCTAHYDRONAPHTHALEN-1-(2H) ONE, TRACHYSPERMUM AMI (AJOWAN CARAWAY) SEEDS

(51) International classification	:c07c	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)DEPARTMENT OF BIOTECHNOLOGY</b>
(32) Priority Date	:NA	Address of Applicant :BLOCK 2, 7TH FLOOR, CGO
(33) Name of priority country	:NA	COMPLEX, LODI ROAD, NEW DELHI-110 003, INDIA
(86) International Application No	:NA	<b>2)ALIGARH MUSLIM UNIVERSITY</b>
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	<b>1)ASAD ULLAH KHAN</b>
(61) Patent of Addition to Application Number	:NA	<b>2)ROSINA KHAN</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A process for isolation of a novel compound 5, 8a -di-1-propyl 1-octahydronaphthalen-1-(2H) One, Trachyspermum ami (Ajowan caraway) seeds According to this invention there is provided a novel compound 5, 8a di-1-propyl 1-octahydronaphthalen-1-(2H) One. In accordance with this invention there is provided a process for isolation of a novel compound 5, 8a -di-1-propyl 1-octahydronaphthalen-1-(2H) One, from Trachyspermum ammi (Ajowan cara way) seeds for the prevention and treatment of Dental caries comprising Washing the seeds, drying the same and crushing it to form a powder, Subjecting the powder to the step of solvent extraction Isolating the active compound by chromatography Cooling the fractions And subjecting the fractions to the step of crystallization in pure methanol

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2883/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :03/12/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHOD OF PLANT REGENERATION AND TRANSFORMATION

(51) International classification	:c12n	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)E. I. DU PONT NEMOURS AND COMPANY</b>
(32) Priority Date	:NA	Address of Applicant :1007 MARKET STREET,
(33) Name of priority country	:NA	WILMINGTON, DELAWARE 19898, U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)RUDRAPPA, THIMMARAJU</b>
(87) International Publication No	:NA	<b>2)GIRHEPUJE, PRAKASH V.</b>
(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 methods and compositions for efficient regeneration and transformation of sunflower plants. The invention discloses an efficient method for Agrobacterium-mediated transformation and regeneration of mature, fertile sunflower plants.

No. of Pages : 37 No. of Claims : 26

(54) Title of the invention : THERMOSTATIC VALVE WITH SLEEVE, THERMAL ENGINE ASSOCIATED WITH A COOLING CIRCUIT INCLUDING SUCH VALVE, AND METHOD FOR MAKING THE SLEEVE FOR SUCH VALVE

(51) International classification :G05D 23/13  
 (31) Priority Document No :07 05630  
 (32) Priority Date :01/08/2007  
 (33) Name of priority country :France  
 (86) International Application No :PCT/FR2008/051438  
 Filing Date :30/07/2008  
 (87) International Publication No :WO 2009/019407  
 (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)VERNET**

Address of Applicant :21/27 ROUTE D'ARPAJON, F-91340  
 OLLAINVILLE, FRANCE

(72)Name of Inventor :

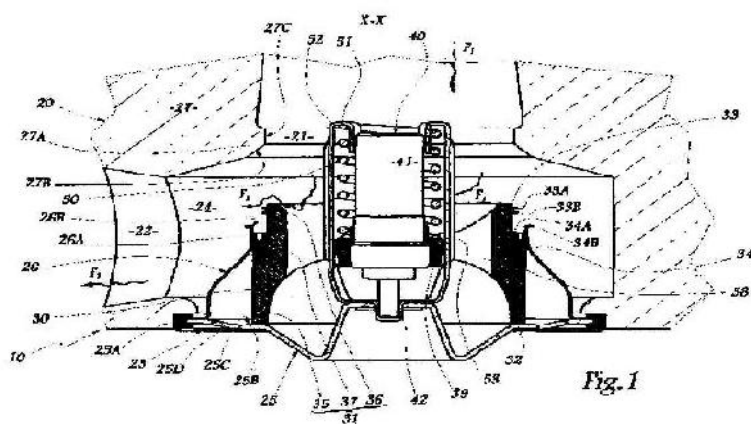
**1)ALAIN BOULOY**

**2)NICOLAS POTTIE**

**3)THIERRY MARAUX**

(57) Abstract :

According to the invention, the thermostatic valve (10) includes, on the one hand, a mobile sleeve (30) for adjusting the flow of fluid through the valve body (20), said sleeve comprising a tubular body (31) provided with peripheral sealing fittings (32, 33, 34) adapted for interaction by sealed contact with the fixed seats (25A, 26A, 27A) in order to stop the fluid flows between the openings (21, 22, 23) defined by the valve body and, on the other hand, a thermostatic member (40) including a fixed portion (42) rigidly connected to the valve body and a fixed portion (41) movable in translation in the direction of the axis (X-X) of the sleeve under the action of a volume variation of a thermo-expandable material, the sleeve being kinematically connected to the mobile portion so that the movement of the mobile portion relative to the fixed portion controls the movement of the sleeve relative to the seats. In order to easily and economically improve the tightness of the contact between the sleeve and the seats, the body and the sealing fittings are respectively made of a thermoplastic material and an elastomer that are selected to be successively injection-moulded so that, at the release of the mould after the elastomer injection, the thermoplastic material and the elastomer adhere together due to a chemical, physical and/or physico-chemical effect.



No. of Pages : 30 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.699/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :01/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : FUEL CELL METHOD FOR OPERATING THE SAME, AND ELECTRONIC DEVICE

(51) International classification :H01M 8/16  
(31) Priority Document No :P2007-212702  
(32) Priority Date :17/08/2007  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2008/063737  
Filing Date :31/07/2008  
(87) International Publication No :WO 2009/025158  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)SONY CORPORATION**  
Address of Applicant :1-7-1 KONAN, MINATO-KU,  
TOKYO, Japan  
(72)Name of Inventor :  
**1)TAKA AKI NAKAGAWA**  
**2)HIDEKI SAKAI**  
**3)HIDEYUKI KUMITA**  
**4)MASAYA KAKUTA**

(57) Abstract :

Provided is a fuel cell having a structure in which a cathode and an anode face each other with a proton conductor therebetween. In this fuel cell, an oxygen reductase or the like is immobilized on at least the cathode, and the cathode is composed of a material having pores therein such as porous carbon. In this fuel cell, the volume of water contained in the cathode is controlled to be 70% or less of the volume of the pores of the cathode, whereby a high current value can be stably obtained through optimization of the amount of moisture contained in the cathode when an enzyme is immobilized on at least the cathode. Also provided is a method for operating the fuel cell.

No. of Pages : 98 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.170/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :25/01/2011

(43) Publication Date : 23/08/2013

(54) Title of the invention : INSTRUMENT PANEL•

(51) International classification

:B62D

(31) Priority Document No

:2010-

018582

(32) Priority Date

:29/01/2010

(33) Name of priority country

:Japan

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)SUZUKI MOTOR CORPORATION**

Address of Applicant :300 Takatsuka-cho Minami-ku

Hamamatsu-shi Shizuoka-ken Japan

(72)Name of Inventor :

**1)Akinori ISHIKAWA**

(57) Abstract :

An instrument panel allows increase in the strength of supporting a striker, and improvement of the rigidity of an opening part formed in a front wall of an instrument panel body, thereby easily maintaining a constant gap at a joint between the opening part and a glove compartment, even if the instrument panel or the glove compartment is made larger. An opening part 20 is formed in a front wall 17 of an instrument panel body 15, a glove compartment 11 is provided on a back side of the opening part 20, a lower end portion of the opening part 20 is fixed to brackets 3, 4 extending from a steering member.....

No. of Pages : 41 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.325/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : A COMBINED START AND RUN CAPACITOR

(51) International classification

:H01G

(31) Priority Document No

:10 2009

008 498.3

(32) Priority Date

:11/02/2009

(33) Name of priority country

:Germany

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)DANFOSS COMPRESSORS GMBH**

Address of Applicant :MADS-CLAUSEN-STR. 7, P.O. BOX  
1443, D-24904 FLENSBURG, Germany

(72)Name of Inventor :

**1)WEIHRAUCH, NEILS CHRISTIAN**

(57) Abstract :

The invention provides a combined start and run capacitor comprising a fuse-element which interrupts an electrical current to both a start capacitor structure 5 and to a run capacitor structure based on a temperature of an electrolyte in which the start capacitor structure is submerged. The combined capacitor thereby provides an increased safety since heat from both capacitor structures trigger the disconnection of the supplied power.

No. of Pages : 19 No. of Claims : 16



(54) Title of the invention : COLOR-CODED AND SIZED LOADABLE POLYMERIC PARTICLES FOR THERAPEUTIC AND/OR DIAGNOSTIC APPLICATIONS AND METHODS OF PREPARING AND USING THE SAME

(51) International classification :c08j  
 (31) Priority Document No :60/962,015  
 (32) Priority Date :25/07/2007  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/US2007/082659  
     Filing Date :26/10/2007  
 (87) 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)CELONOVA BIOSCIENCES, INC.**

Address of Applicant :49 SPRING STREET, NEWNAN, GEORGIA 30263, U.S.A.

## (72)Name of Inventor :

**1)FRITZ, ULF**

**2)FRITZ, OLAF**

**3)GORDY, THOMAS, A.**

**4)WOJCIK, RONALD**

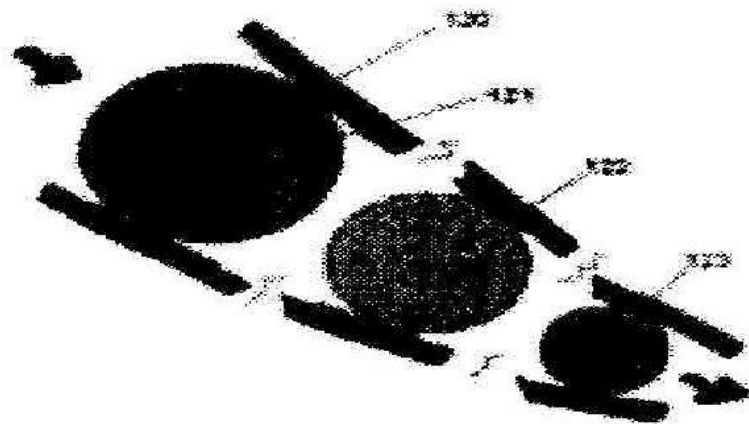
**5)BLUMMEL, JACQUES**

**6)KULLER, ALEXANDER**

## (57) Abstract :

Polymeric particles are provided for use in therapeutic and/or diagnostic procedures. The particles include poly[bis(trifluoroethoxy) phosphazene] and/or a derivatives thereof which may be present throughout the particles or within an outer coating of the particles. The particles may also include a core having a hydrogel formed from an acrylic-based polymer. Such particles may be provided to a user in specific selected sizes to allow for selective embolization of certain sized blood vessels or localized treatment with an active component agent in specific clinical uses. Particles of the present invention may further be provided as color-coded microspheres or nanospheres to allow ready identification of the sized particles in use. Such color-coded microspheres or nanospheres may further be provided in like color-coded delivery or containment devices to enhance user identification and provide visual confirmation of the use of a specifically desired size of microspheres or nanospheres.

FIG. 12B



No. of Pages : 68 No. of Claims : 25

(54) Title of the invention : OPTICAL FILLING CONTROL OF PHARMACEUTICAL CAPSULES IN CAPSULE FILLING MACHINES

(51) International classification :G01N 21/95  
 (31) Priority Document No :07112146.1  
 (32) Priority Date :10/07/2007  
 (33) Name of priority country :EUROPEAN UNION  
 (86) International Application No :PCT/EP2008/058734  
 Filing Date :07/07/2008  
 (87) International Publication No :WO 2009/007333  
 (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)BOEHRINGER INGELHEIM INTERNATIONAL GMBH**

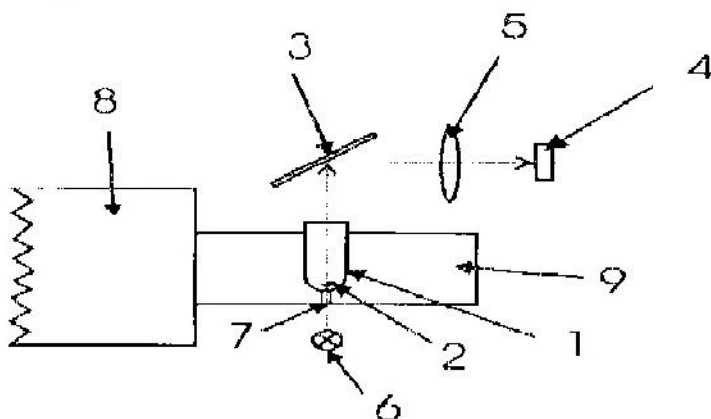
Address of Applicant :BINGER STRASSE 173, 55216 INGELHEIM AM RHEIN, Germany

(72)Name of Inventor :  
**1)PETER STOECKEL**  
**2)FRANK BIEDENBENDER**  
**3)THOMAS KRUGER**

(57) Abstract :

The present invention relates to a method for monitoring the filling of a capsule with a medicament, to a corresponding filling method, to the associated apparatuses, and to a computer program for controlling the method and the apparatus. In the monitoring method, after at least part of the capsule has been filled with a predefined filling mass of a predefined closed contour of the medicament, at least the filling mass in the part of the capsule after the filling operation is recorded using digital imaging in a first step, the contour of the filling mass in the part of the capsule is determined from the digital imaging recording in a second step, and the contour is analysed in a third step in order to assess the filling operation in comparison with the predefined contour. The invention provides for external influences on the image properties to be compensated for by controlling the optical system.

Fig. 1



No. of Pages : 38 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2651/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :04/11/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : AN IMPROVED MOP BUCKET ASSEMBLY

(51) International classification	:a47j	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)Kris Bez</b>
(32) Priority Date	:NA	Address of Applicant :33-46 55th Street Woodside New
(33) Name of priority country	:NA	York 11377 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)Kris Bez</b>
(87) 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 provides an improved mop bucket assembly for use with a wringer device and a mop includes a container having partition elements dividing the container into compartments. A first compartment contains a liquid for rinsing the mop head after mopping. A second compartment receives a liquid extracted from the mop head by the wringer device. A third compartment contains a cleaning solution. A housing is received in a third compartment and a flexible bladder is disposed in the housing and is in fluid communication with the third compartment. The flexible bladder contains a supply of cleaning solution. liquid extracted from the mop head by the wringer device flows through an opening in one of the partition elements and places pressure on the flexible bladder, causing the cleaning solution in the flexible bladder to flow into the third compartment to maintain a desired level of cleaning solution in the third compartment.

No. of Pages : 14 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3103/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :27/12/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : LIBRARY OF SPIROANNULATED NUCLEOSIDES

(51) International classification	:c12n	(71)Name of Applicant :
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC & INDUSTRIAL
(32) Priority Date	:NA	RESEARCH
(33) Name of priority country	:NA	Address of Applicant :ANUSANDHAN BHAWAN, RAFI
(86) International Application No	:NA	MARG, NEW DELHI - 110 001, INDIA.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	1)CHEPURI VENKATA RAMANA
(61) Patent of Addition to Application Number	:NA	2)MANGESH PANDURANG DUSHING
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

We claim a simple strategy for the synthesis of a collection of C(3)-spirodihydroisobenzofuranannulated and C(3)-spirodihydroisobenzofuranannulated nucleosides featuring a [2+2+2]-cyclootrimerization as the key reaction. The cyclootrimerization reactions are facile with the unprotected nucleosides having a diyne unit. When both alkynes of the diyne are terminal, the regioselectivity is poor. However, when one of the terminal alkynes is additionally substituted, the cyclootrimerizations are highly diastereoselective. Since the key bicycloannulation is the final step, this strategy provides flexibility in terms of the alkynes and is thus amenable for the synthesis of a focussed small molecule library.

No. of Pages : 50 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6552/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :14/10/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : FOAM RECOVERY DEVICE AND FOAM RECOVERY SYSTEM

(51) International classification	:b01d	(71)Name of Applicant :
(31) Priority Document No	:2007-191832	<b>1)MITSUBISHI HEAVY INDUSTRIES LTD.</b>
(32) Priority Date	:24/07/2007	Address of Applicant :16-5 Konan 2-chome Minato-ku
(33) Name of priority country	:Japan	Tokyo 108-8215 Japan.
(86) International Application No	:PCT/JP2008/	(72)Name of Inventor :
Filing Date	062890	<b>1)Keisuke SONODA</b>
	:17/07/2008	<b>2)Seiji FURUKAWA</b>
(87) International Publication No	: NA	<b>3)Shozo NAGAO</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a foam recovery device that can recover foam floating on the surface of desulfurized used seawater and drain only the foam-free used seawater into the surrounding sea area. The foam recovery device (20) is installed in a seawater oxidation treatment system (1) for draining used seawater discharged from a desulfurization tower of an exhaust gas desulfurizer using seawater as an absorbent and is configured to remove foam (4) floating on the surface of the used seawater by recovering the foam (4), wherein a foam recovery pit (40) is connected to an overflow dam (30) provided in a side face of the seawater oxidation treatment system (1), and a foam-collecting float (50) that is held floating so as to cross the seawater oxidation treatment system (1) separates the foam (4) floating on the surface (WL) .....

No. of Pages : 67 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.703/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :01/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHOD AND APPARATUS FOR OPTICAL FIBER COLORING

(51) International classification :C03C 25/18

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/EP2007/057970  
Filing Date :01/08/2007

(87) International Publication No :WO 2009/015695

(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)PRYSMIAN S.P.A.**

Address of Applicant :VIALE SARCA, 222, I-20126

MILANO, ITALY

(72)Name of Inventor :

**1)SILVIO FRIGERIO**

**2)LIDIA TERRUZZI**

**3)GIOVANNI VILLANI**

**4)CORRADO CASTOLDI**

(57) Abstract :

An apparatus for coloring optical fibers, comprising: a first reservoir (105) for containing a natural coating material to be applied onto an optical fiber being drawn; a second reservoir (125) for containing a colorant to be mixed to the natural coating material; a mixer (140) in fluid communication (130,135) with the first and second reservoirs (105,125), so to receive a first flow of natural coating material and a second flow of colorant and to mix the first and second flows to obtain a colored coating material; a coating die (150) in fluid communication with the mixer (140) to receive the flow of colored coating material and to apply it onto the optical fiber being (110) drawn. A first gas pressure source (160,165,170,175) is provided, associated with the first reservoir (105), exerting on the natural coating material a first gas pressure variable as a function of at least one optical fiber drawing parameter, and a second gas pressure source (160,165,170,180) is provided, associated with the second reservoir (125), exerting on the colorant a second gas pressure variable as a function of at least one optical fiber drawing parameter. The first and second line have relevant pressure drop in a ratio corresponding to the ratio of natural coating material and colorant providing the colored coating material.

No. of Pages : 18 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1949/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :17/08/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : A SYSTEM FOR AUTOMATIC ALIGNMENT OF RESONATOR FOR HIGH POWER LASER•

(51) International classification	:H01S	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)Director General Defence Research &amp; Development</b>
(32) Priority Date	:NA	<b>Organisation</b>
(33) Name of priority country	:NA	Address of Applicant :Ministry of Defence Govt of India
(86) International Application No	:NA	Room No 348 B Wing DRDO Bhawan Rajaji Marg New Delhi
Filing Date	:NA	110105 India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)Arun Kumar Srivastava</b>
Filing Date	:NA	<b>2)Kailash Chandra Sati</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an auto alignment system that monitors misalignment of a high power laser resonator and provides automatic realignment to the required accuracy in the event of any misalignment. Accordingly, the said auto alignment system comprises a first laser diode unit (74) and a first quadrant detector unit (32) to set the aligned state position of a second mirror (28) as its reference position in a processing unit (5) and a second laser diode unit (74) and a second quadrant detector unit (32) to set the aligned state position of a first mirror (29) as its reference position in the processing unit (5). The error signals due to misalignment of the first mirror (29) and second mirror (28) from quadrant detector unit (32) and quadrant detector unit (32) respectively are acquired by the processing unit (5). Based on the comparison of the error signals with the reference signals, the processing unit (5) drives stepper motors (8) & (9) in appropriate direction for repositioning of the first mirror (29) and drives stepper motors (10) & (11) in appropriate direction for repositioning of the second mirror (28).

No. of Pages : 49 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2672/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :21/12/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : FLOAT VALVE FOR LEAD ACID BATTERY

(51) International classification

:F16K

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)LUMINOUS POWER TECHNOLOGIES PVT. LTD**

Address of Applicant :C 8 & 9 COMMUNITY CENTRE,  
JANAKPURI NEW DELHI-110058, INDIA

(72)Name of Inventor :

**1)BHASKAR BISHNU**

**2)ASHIS KUMAR GHOSH**

(57) Abstract :

The invention relates to a cap assembly for a lead acid battery. More particularly the invention relates to a cap assembly wherein the electrolyte level in a cell of the lead acid battery can be estimated from the outside.

No. of Pages : 29 No. of Claims : 10



(12) PATENT APPLICATION PUBLICATION

(21) Application No.690/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :29/01/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : PROCESS FOR PREPARING AND PURIFYING ALKALI METAL AND ALKALINE EARTH METAL TRICYANOMETHANIDES

(51) International classification	:C07C 253/04
(31) Priority Document No	:07016100.5
(32) Priority Date	:20/08/2007
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2008/006730
Filing Date	:15/08/2008
(87) International Publication No	:WO 2009/021751
(61) Patent of Addition 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)STRITTMATTER, HARALD**

**2)KOGER, STEFAN**

(57) Abstract :

The present invention relates to an industrially practicable process for preparing alkali metal and alkaline earth metal tricyanomethanides in a particularly high purity.

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.707/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :14/03/2011

(43) Publication Date : 23/08/2013

(54) Title of the invention : ROTOR AND PERMANENT MAGNET ROTATING MACHINE•

(51) International classification :H02K

(31) Priority Document No :2010-066145

(32) Priority Date :23/03/2010

(33) Name of priority country :Japan

(86) International Application No :NA

Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)SHIN-ETSU CHEMICAL CO. LTD.**

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Tokyo Japan

(72)Name of Inventor :

**1)Hideki KOBAYASHI**

**2)Yuhito DOI**

**3)Takehisa MINOWA**

(57) Abstract :

A rotor adapted for a large permanent magnet rotating machine having high output and demagnetization resistance and the permanent magnet rotating machine are provided. More specifically there is provided a rotor adapted for a permanent magnet rotating machine,.....

No. of Pages : 25 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.707/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :01/02/2010

(43) Publication Date : 23/08/2013

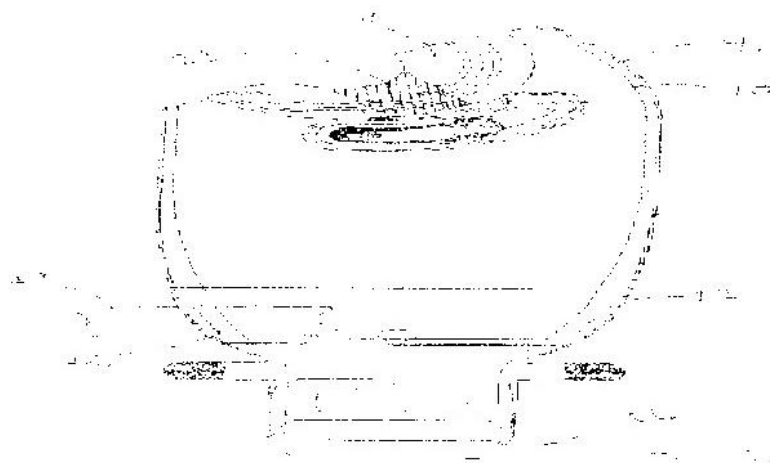
(54) Title of the invention : A FAECAL MANAGEMENT DEVICE

(51) International classification :A61F 5/44  
(31) Priority Document No :PA 2007 01152  
(32) Priority Date :10/08/2007  
(33) Name of priority country :Denmark  
(86) International Application No :PCT/DK2008/050193  
Filing Date :08/08/2008  
(87) International Publication No :WO 2009/021517  
(61) Patent of Addition 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)HENRIK EDVARDSEN**  
**2)DANUTA CIOK**  
**3)MICHAEL HANSEN**  
**4)ESBEN STROEBECH**

(57) Abstract :

A faecal management device suitable for attachment directly to the perianal skin between the buttocks of the wearer. The device utilises an optimised adhesive wafer (1) in order to securely attach the device to the skin of the wearer so that the device is maintained in position for the entire period of wear, including circumstances or periods of wear during which the wearer is active, i.e. not bedridden. In addition the faecal management device of the present invention has the ability for easy application of the device.



No. of Pages : 25 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1815/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :30/07/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : &quot;ASSIST GRIP MOUNTING STRUCTURE•

(51) International classification :A47G

(31) Priority Document No :2009-194454

(32) Priority Date :25/08/2009

(33) Name of priority country :Japan

(86) International Application No :NA

Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)Eiji TAKEUCHI**

**2)Akihito MIURA**

(57) Abstract :

In an assist grip mounting structure, a pair of mounting parts 15 of an assist grip 10 are attached individually to a pair of mounted parts 5 on the roof side inner panel 2 side, and a coat hook part 20 projects from the one mounting part 15 side, a reinforcing plate 30 for reinforcing the coat hook part 20 overlaps a back surface 20U of the coat hook part 20.

No. of Pages : 21 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2069/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :31/08/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : A NOVEL PROCESS FOR PURIFICATION OF POLYSACCHARIDE FROM STREPTOCOCCUS PNEUMONIAE

(51) International classification

:c07c

(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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(72)Name of Inventor :

**1)JAIN, RAJESH**

**2)MAITHAL, KAPIL**

**3)GAURAV, KUMAR**

**4)NA**

(57) Abstract :

The present invention relates to a novel process for purification of polysaccharide from Streptococcus pneumonia. The invention in particular relates to the process of purification comprising not more than 2 alcohol precipitating steps. The polysaccharide obtained by the process of the invention may be used for preparation of immunological composition against the pneumococcal infections.

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

(54) Title of the invention : DEVICE FOR SEPARATING PAINT OVERSPRAY

(51) International classification :B03C 3/10  
 (31) Priority Document No :10 2007 036 553.7  
 (32) Priority Date :25/07/2007  
 (33) Name of priority country :Germany  
 (86) International Application No :PCT/EP2008/005620  
 Filing Date :10/07/2008  
 (87) International Publication No :WO 2009/012892  
 (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)EISENMANN ANLAGENBAU GMBH & CO. KG**

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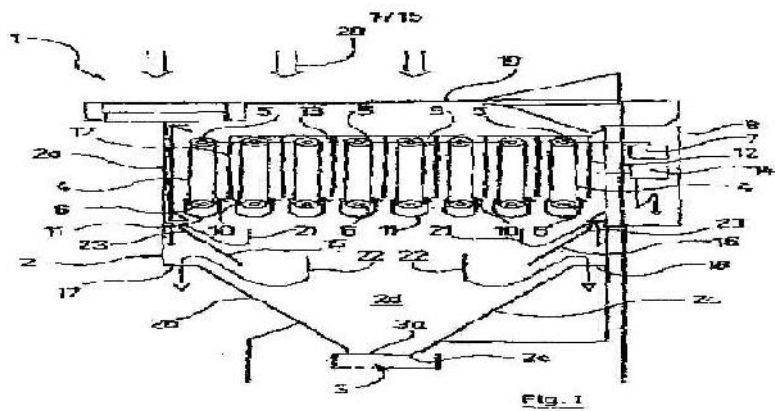
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(72)Name of Inventor :

**1)WERNER SWOBODA,****2)ERWIN HIHN,****3)JURGEN HANF,****4)KERSTEN LINK,****5)APOSTOLOS KATEFIDIS,**

(57) Abstract :

A device (1) for separating paint overspray from the air of painting cubicles that is laden with overspray has in a housing (2) at least one separating element (4), the surface of which is electrically conductive and is connected to one terminal of a high-voltage source (14). The separating element (4) is assigned an electrode arrangement (12), which is connected to the other terminal of the high-voltage source (14). The air of the cubicle is made to flow past the separating element (4) and the electrode arrangement (12) in such a way that the overspray particles are colonized and deposited on the surface of the separating element (4). The separating element (4) is moved continuously or intermittently, wherein a wiping device (10) wipes off the overspray that is on the surface of the separating element (4). This can then be carried away by a suitable transporting device (31) for disposal or re-use.



No. of Pages : 53 No. of Claims : 31

(54) Title of the invention : WIND TURBINE CONTROL SYSTEM AND METHOD FOR INPUTTING COMMANDS TO A WIND TURBINE CONTROLLER

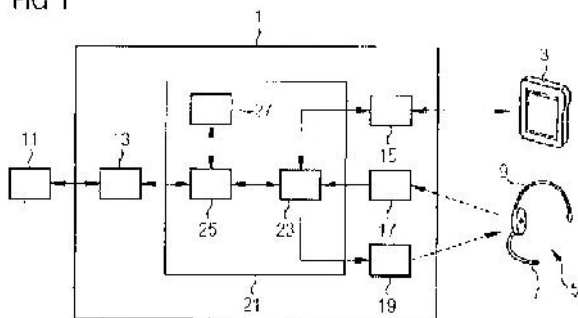
(51) International classification :G08C 17/00  
 (31) Priority Document No :EP07017914  
 (32) Priority Date :12/09/2007  
 (33) Name of priority country :EPO  
 (86) International Application No :PCT/EP2008/061019  
 Filing Date :22/08/2008  
 (87) International Publication No :WO 2009/033931  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

(71)Name of Applicant :  
**1)SIEMENS AKTIENGESELLSCHAFT**  
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**1)JENSEN; MICHAEL**

(57) Abstract :

A wind turbine control system comprising a controller (11) and an interface device connected to the controller (11) for user communication with the controller (11), the interface device comprises: a controller interface (13), by which the interface device is connected to the controller (11) for sending commands and/or data to and receiving commands and/or data from the controller (11); a processor arrangement (21) which is connected to the controller interface (13) and adapted to produce commands and/or data for the controller (11) and to interpret commands and/or data received from the controller (11) and to output a received command signal representing an interpreted command and/or a received data signal representing the interpreted data; a speech recognition unit (17) which is adapted for translating electrical signals representing orally input commands or data into an input command signal or input data signal and which is connected to the processor arrangement (21) for sending the input command signal or input data signal to the processor arrangement (21); a microphone (7) allowing an oral command input and/or an oral data input to the interface device the microphone (7) being adapted to convert an orally input command or orally input data to an electrical signal representing said orally input command or said orally input data and being connected to the speech recognition unit (17) for delivering the electrical signal to the speech recognition unit (17) ; and - an output unit (15, 19) which is connected to the processor arrangement (21) for receiving commands or data and which is adapted to produce a user output representing a command and/or data received from the processor arrangement (21); The processor arrangement (21) comprises a command manager (23) which is adapted to produce, upon receipt of an input command signal, a reproduction signal representing the received input command signal in a form which is appropriate to be recognized by the user and a confirmation request signal, to deliver the reproduction signal and the confirmation request signal to the output unit (15, 19), and to further process the received input command signal only upon receipt of a confirmation by the user.

FIG 1



No. of Pages : 24 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6606/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :15/10/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : CATALYST COMPLEX AND PROCESS FOR PRODUCING MULTIMODAL MOLECULAR WEIGHT POLYOLEFINS•

(51) International classification	:c07f
(31) Priority Document No	:07006561.0
(32) Priority Date	:29/03/2007
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2008/001769
Filing Date	:05/03/2008
(87) 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)SAUDI BASIC INDUSTRIES CORPORATION**  
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(72)**Name of Inventor :**  
**1)PALACKAL Syriac**  
**2)ABURAQABAH Atieh**  
**3)ALT Helmut**  
**4)GOERL Christian**

(57) Abstract :

Multinuclear catalyst complex comprising two or more active metal centres and at least one phenoxyimine compound and at least one substituted cyclopentadienyl, indenyl or fluorenyl derivative, each phenoxyimine compound being bonded to a cyclopentadienyl, indenyl or fluorenyl derivative forming a ligand framework, the cyclopentadienyl, indenyl or fluorenyl derivative being coordinated with one of the metal centres and the phenoxyimine compound being coordinated with an active metal centre other than the metal centre the cyclopentadienyl, indenyl or fluorenyl derivative is coordinated with, and wherein the phenoxyimine compound has the formula (I) wherein R1 is hydrogen, alkyl,.....

No. of Pages : 31 No. of Claims : 6



(12) PATENT APPLICATION PUBLICATION

(21) Application No.661/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :29/01/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : APPARATUS FOR HEATING PREFORMS

(51) International classification	:H05B 3/00
(31) Priority Document No	:10 2007 031 201.7
(32) Priority Date	:04/07/2007
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2008/005380
Filing Date	:02/07/2008
(87) International Publication No	:WO 2009/003687
(61) Patent of Addition 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)CHRISTIAN STOIBER**

**2)WOLFGANG SCHONBERGER**

(57) Abstract :

The invention relates to an apparatus for heating preforms made of plastic by using infrared radiation, wherein the opening and the body of the preform is exposed to cooling air. Moreover, the ends of the infrared radiators are also exposed to cooling air. Further the invention relates to a heating device with three cooling air streams, which can be controlled or adjusted independently from each other.

No. of Pages : 25 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.694/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :01/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : SPARK-IGNITED INTERNAL COMBUSTION ENGINE

(51) International classification	:F02D 15/04
(31) Priority Document No	:2007-288975
(32) Priority Date	:06/11/2007
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2008/069816
Filing Date	:24/10/2008
(87) International Publication No	:WO 2009/060789
(61) Patent of Addition 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)KAMIYAMA EIICHI**

**2)AKISHIA DAISUKE**

**3)SAWADA DAISAKU**

(57) Abstract :

In an internal combustion engine, a variable compression ratio mechanism (A) able to change a mechanical compression ratio and a variable valve timing mechanism (B) able to control the closing timing of an intake valve (7) are provided. The mechanical compression ratio is held at the maximum mechanical compression ratio at the engine low load operation side and is made to gradually decrease as the engine load increases at the engine high load operation side. A load L2 at which the mechanical compression ratio becomes a predetermined mechanical compression ratio lower than the maximum mechanical compression ratio at the engine high load operation side is preset, and the throttle valve (17) is closed at a load region lower than this preset load L2.

No. of Pages : 33 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.729/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :02/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : SILICA POWDER PROCESS FOR ITS PRODUCTION, AND COMPOSITION EMPLOYING IT

(51) International classification	:C01B 33/18
(31) Priority Document No	:2007-200701
(32) Priority Date	:01/08/2007
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2008/063409
Filing Date	:25/07/2008
(87) International Publication No	:WO 2009/017058
(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)DENKI KAGAKU KOGYO KABUSHIKI KAISHA**  
Address of Applicant :1-1, NIHONBASHI-MUROMACHI 2-CHOME, CHUO-KU, TOKYO 103-8338 Japan

(72)Name of Inventor :  
**1)SASAKI, SYUJI**  
**2)NAITO, HIDETOSHI**  
**3)IIZUKA, KEISHI**  
**4)NISHI, YASUHISA**

(57) Abstract :

To provide a silica powder which is excellent in flowability and packing properties and which is less likely to form a flash, a process for its production, and a composition having it incorporated in at least one of a rubber and a resin, particularly a sealing material. A silica powder containing an ultrafine powder in an amount of from 0.1 to 20 mass% and having an average sphericity of at least 0.85, wherein the ultrafine powder has, as the particle size measured by a dynamic light scattering particle size distribution measuring apparatus, an average particle size of from 150 to 250 nm, a content of particles having a particle size of at most 100 nm being less than 10 mass% (not including 0 mass%) and a content of particles having a particle size exceeding 100 nm and not exceeding 150 nm being from 10 to 50 mass%. A process for producing a silica powder, which comprises spraying a silica powder material to a high temperature zone of at least 1,750°C formed by a burner for heat treatment, wherein the high temperature zone is formed in a range of from the forward end of the burner to 3.0-4.5 m therefrom, and to such a high temperature zone, a silica powder material containing from 0.05 to 10 mass% of a metal silicon powder is sprayed. A sealing material employing the silica powder of the present invention.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1753/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :27/07/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : IMPROVED WHEEL DISC

(51) International classification	:F16D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)M/s STEEL STRIPS WHEEL LTD</b>
(32) Priority Date	:NA	Address of Applicant :SCO:- 49-50 SECTOR:- 26 MADYA
(33) Name of priority country	:NA	MARG Chandigarh India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)KUMAR S. Krishna</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An automobile wheel disc having a dome shaped closed hub that can be aligned to the axle hub without using a saddle nut is disclosed.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2071/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :31/08/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : PLANT CELL WALL HYDROLYZING ENZYMES FROM INSECT MID-GUT BACTERIUM

(51) International classification	:c12p	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INTERNATIONAL CENTRE FOR GENETIC
(32) Priority Date	:NA	ENGINEERING AND BIOTECHNOLOGY
(33) Name of priority country	:NA	Address of Applicant :ICGEB CAMPUS, P.O. BOX 10504,
(86) International Application No	:NA	ARUNA ASAF ALI MARG, NEW DELHI-110 067, INDIA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	1)YAZDANI, SYED SHAMS
(61) Patent of Addition to Application Number	:NA	2)ADLAKHA, NIDHI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses a novel endoglucanase and xylanase enzyme from a bacterium isolated from mid-gut of an insect living on the cotton plant and expressing them heterologously in E. coli. The invention further discloses a fusion protein wherein the two glycosyl hydrolases were fused together due to their optimal activity at same temperature and pH and was expressed in E. coli. The fusion protein of the present invention depicts an increased endocellulase activity of 1.6 fold and xylanase activity of 2.3 folds on molar basis as compared to its individual counterpart.

No. of Pages : 56 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2785/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :23/11/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHODS AND DEVICE FOR FILTERING NANOPARTICLES BY BONDING WITH MICROPARTICLES

(51) International classification

:b01d

(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)PAUL, MANIBRATA**

(57) Abstract :

Disclosed are embodiments for methods and devices for filtering undesired particles from a medium by bonding the undesired particles to attachment particles. In some embodiments, the methods include receiving a plurality of attachment particles into a volume, where the volume contains a plurality of undesired particles and the medium. The method may also include contacting the plurality of attachment particles and the plurality of undesired particles contained in the medium, resulting in formation of bonded particles in the medium. Contacting may result in collisions, causing bonding between some undesired particles and some attachment particles. Some embodiments of the method also include removing at least a portion of the medium and bonded particles from the volume through a filter coupled to the volume with an exhaust, the filter configured to capture the bonded particles while allowing the medium to pass through.

No. of Pages : 35 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3170/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :30/12/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : A PROCESS FOR PREPARATION OF EUPHORBIA COAGULUM BANANA FIBER COMPOSITES.

(51) International classification

:c07c

(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)NAND KISHOR**

**3)DHIRAJ KR. SINGH**

**4)V.K.. TYAGI**

**5)R.K. DIWAN**

**6)U.K. NIYOGI**

**7)R.K. KHANDAL**

(57) Abstract :

This invention relates to a process for preparation of Euphorbia Coagulum and banana fiber composite comprising steps of mixing of Euphorbia Coagulum with initiator to obtain a mixture, and Preparation of different composites of banana fiber using coated banana fiber and said mixture.

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

(54) Title of the invention : ASSAYS

(51) International classification :B01L 3/00  
 (31) Priority Document No :60/951,358  
 (32) Priority Date :23/07/2007  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/EP2008/059670  
 Filing Date :23/07/2008  
 (87) International Publication No :WO 2009/013321  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

(71)Name of Applicant :

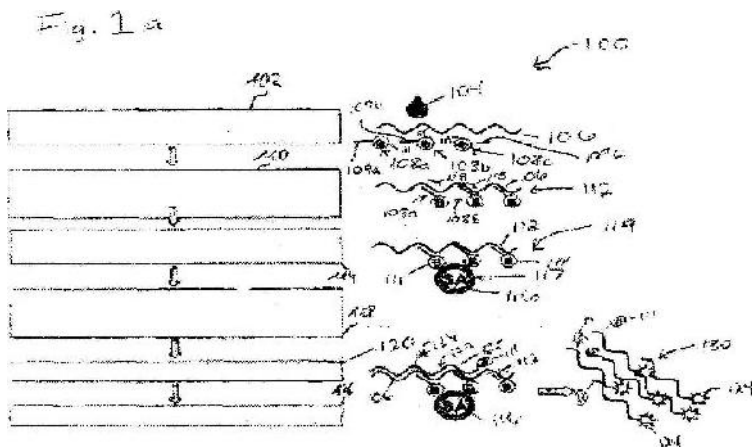
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07749 JENA (DE) Germany

(72)Name of Inventor :

**1)ERMANTRAUT, EUGEN****2)KAISER, THOMAS****3)SCHULZ, TORSTEN****4)STEINMETZER, KATRIN****5)ULLRICH, THOMAS**

(57) Abstract :

A device comprising a rigid substrate, a flexible cover element at least partially covering the substrate, a first structure formed in the substrate, adapted for accommodating liquids and adapted for releasing contents of one or more cells, spores, or viruses, the contents including the target molecules, a second structure formed in the substrate, adapted for accommodating liquids and comprising at least one binding member adapted for capturing the target molecules and for determining a value indicative for the presence and/or amount of the target molecules, a microfluidic network interconnecting at least the first structure and the second structure, and an actuator member adapted for effecting a fluid flow between the first structure and the second structure by pressing the flexible cover element against the substrate to selectively close a portion of the microfluidic network.



No. of Pages : 251 No. of Claims : 15



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1402/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :08/07/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : COOLER MERCHANDISER WITH CUSTOMIZABLE GRAPHICS•

(51) International classification	:A47F
(31) Priority Document No	:12/177,791
(32) Priority Date	:22/07/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**  
**1)Emad Jafa**  
**2)MICHEL Saba**

(57) Abstract :

A display unit may be a cooler merchandiser for displaying products, such as food and beverages. The cooler merchandiser may have a housing that contains a display portion for displaying one or more products and a cooling portion that may be configured to cool the products in the display portion. A frame may be attached to the housing and may extend along at least a portion of the perimeter of a surface of the housing. A removable insert may slide into the frame so that it is positioned adjacent to a surface of the housing. The removable insert may include a cardboard material and the housing may include a rigid styrene material. ....

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1465/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :16/07/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : VACUUM VALVE AND CLOSURE PLATE FOR A VACUUM VALVE

(51) International classification	:F16K
(31) Priority Document No	:08012989.3
(32) Priority Date	:18/07/2008
(33) Name of priority country	:EPO
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
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Switzerland  
(72)**Name of Inventor :**  
**1)Bernhard DUELLI**

(57) Abstract :

The invention relates to a vacuum valve (1) for gas-tight sealing of a flow path (F), comprising at least one thrust rod (7), which has a cylindrical connecting section (10), and a closure plate (11) which is removably mounted on the thrust rod (7) and has at least one concave, semicircular first rod recess (14) corresponding to the connecting section (10). A clamping piece (17), which has a concave, semicircular second rod recess (18) corresponding to the connecting section (10)

No. of Pages : 33 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1728/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :23/07/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : FOLDABLE/COLLAPSIBLE PEG HOLDER•

(51) International classification

:B25H  
:E04H

(31) Priority Document No

:2009903485

(32) Priority Date

:24/07/2009

(33) Name of priority country

:Australia

(86) International Application No

:NA

Filing Date

:NA

(87) 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)Melissa DISTEFANO**

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Victoria 3038 Australia

(72)Name of Inventor :

**1)Melissa DISTEFANO**

(57) Abstract :

The present invention relates to a peg holder for receiving a plurality of pegs. The present invention particularly relates to a peg holder, which is able to change configuration for receiving and retaining a plurality of pegs and fold and/or collapse to a convenient and easy transportable size.

No. of Pages : 22 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.70/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :12/01/2011

(43) Publication Date : 23/08/2013

(54) Title of the invention : INDICATOR STRUCTURE OF UNLOCK KNOB MECHANISM ON SEATBACK•

(51) International classification :B60N

(31) Priority Document No :2010-006931

(32) Priority Date :15/01/2010

(33) Name of priority country :Japan

(86) International Application No :NA

Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)SUZUKI MOTOR CORPORATION**

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(72)Name of Inventor :

**1)Jun KUBOTA**

**2)Kazuaki IKEJIMA**

**3)Naoki OGASAWARA**

(57) Abstract :

An indicator structure of an unlock knob mechanism on a seatback improves visibility of an indicator and provides easy part configuration without decreasing the operability of the unlock knob mechanism on the seatback. In an indicator structure of an unlock knob mechanism including an operation knob and an indicator, the operation knob being provided in a housing part to change over a lock mechanism of a seatback from a locked state to an unlocked state, and the indicator indicating the unlocked state when the lock mechanism is unlocked, a surface member is provided on the surface of the housing part for housing the operation knob..

No. of Pages : 16 No. of Claims : 4

(54) Title of the invention : A METHOD AND A DEVICE FOR REMOVING CONTAMINANTS FROM A FLUID-MATERIAL

(51) International classification :A63B 67/02  
 (31) Priority Document No :184441  
 (32) Priority Date :05/07/2007  
 (33) Name of priority country :Israel  
 (86) International Application No :PCT/IL2008/000888  
 Filing Date :29/06/2008  
 (87) International Publication No :WO 2009/004612  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

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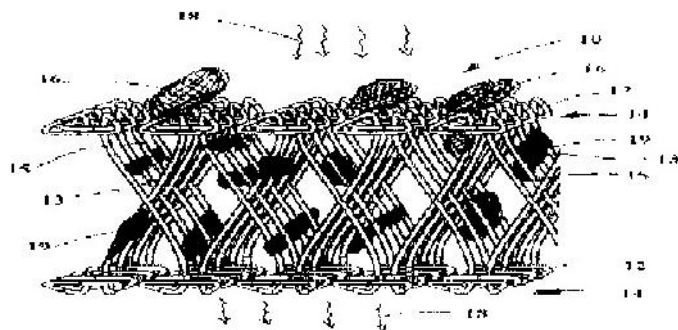
Address of Applicant :L.N. GREEN TECHNOLOGY  
 INCUBATOR LTD., 2 YAGUR ST., PROGIT BUILDING,  
 HAIFA 32626, ISRAEL.

(72)Name of Inventor :

**1)GAVRIELI, JONAH****2)HASCALOVICH, PINHAS**

(57) Abstract :

A method for removing contaminants from a fluid-material comprising: providing at least one substrate comprising a three-dimensional knit in an initial configuration made of knitted polymeric fiber which substantially resumes the initial configuration after it is released from stretching or compressing force; and submerging said at least one substrate in a fluidic material for treatment of the fluidic material. Fig. 3

**Fig. 3**

No. of Pages : 36 No. of Claims : 21

(54) Title of the invention : MULTI-SAMPLE RENDERING OF 2D VECTOR IMAGES

(51) International classification :G06T 11/00  
 (31) Priority Document No :11/832,773  
 (32) Priority Date :02/08/2007  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/FI2008/050443  
 Filing Date :23/07/2008  
 (87) International Publication No :WO 2009/016268  
 (61) Patent of Addition 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)TUMOI, MIKA**  
**2)KALLIO, KIIA**  
**3)PAANANEN, JARMO**

(57) Abstract :

A method and device for enhanced rendering providing reduced memory bandwidth requirements in a graphics processor. In the rendering process, a classification buffer of limited bit length is used for classifying the pixels. Based on the classification, a decision on the pixel color may be made without accessing the multi-sample buffer for a portion of the pixels. This reduces the memory bandwidth requirements.

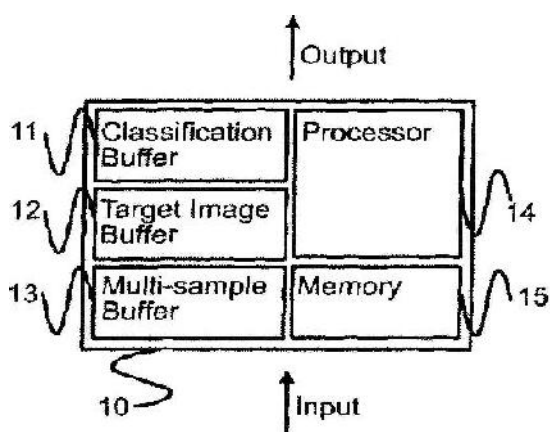


Fig. 1

No. of Pages : 31 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4127/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/05/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHOD AND COMPOSITIONS FOR IDENTIFYING DOWNY MILDEW RESISTANT CUCUMBER PLANTS

(51) International classification	:A01N
(31) Priority Document No	:61/254,141
(32) Priority Date	:22/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/053812
Filing Date	:22/10/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**1)CALDWELL, DAVID**  
**2)CHAN, EVA**  
**3)DE VRIES, JEROEN**  
**4)JOOBEUR, TAREK**  
**5)KING, JOSEPH**  
**6)REINA, ANTONIO**  
**7)SHETTY, NISCHIT**

(57) Abstract :

The present invention relates to methods for identifying cucumber lines having increased resistance to Downy Mildew, and identification of genetic markers linked to gene(s) conditioning such increased disease resistance. The present invention also relates to methods of breeding cucumber plants from lines having increased Downy Mildew resistance by marker-assisted selection, compositions including nucleic acid probes or primers which are useful for such marker assisted selection, and plants and plant parts produced by such methods.

No. of Pages : 157 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6384/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :06/10/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : INTEGRATED COOLING, HEATING, AND POWER SYSTEMS

(51) International classification	:f25b	(71)Name of Applicant :
(31) Priority Document No	:60/893,567	<b>1)UNIVERSITY OF NEW ORLEANS RESEARCH &amp; TECHNOLOGY FOUNDATION</b>
(32) Priority Date	:07/03/2007	Address of Applicant :2021 Lakeshore Drive Room 307 New Orleans LA 70122 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/US2008/055983	<b>1)WANG Ting</b>
Filing Date	:06/03/2008	
(87) 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 :

One exemplary embodiment of this invention provides a single-effect absorption chiller including an absorber operatively connected to a solution heat exchanger and a generator, and a condenser in fluid communication with the absorber, wherein the absorber is sized and configured to receive a feed of water from a source of water and to transfer heat to the feed of water and then to convey the feed of water to the condenser without further heat conditioning of the feed of water prior to its entry into the condenser, and wherein the condenser is sized and configured to receive the feed of water from the absorber and to transfer heat to the feed of water, thereby cooling the condenser without resorting to an external heat exchanger such as a conventional cooling tower.

No. of Pages : 22 No. of Claims : 15



(12) PATENT APPLICATION PUBLICATION

(21) Application No.702/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :01/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : FLAME RETARDED FORMULATIONS

(51) International classification :C08L 23/08

(31) Priority Document No :60/954,513

(32) Priority Date :07/08/2007

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2008/071687

Filing Date :31/07/2008

(87) International Publication No :WO 2009/020822

(61) Patent of Addition 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)VIJAY M. KOTIAN**

**2)GOVINDARAJULU KUMAR**

**3)TIMOTHY JOHN ST. ROMAIN**

(57) Abstract :

The present invention relates to the use of pelletized flame retardants and flame retardant compositions in the formation of flame retarded formulations, the resulting flame retarded formulations, and molded and/or extruded articles made from such flame retarded formulations.

No. of Pages : 28 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.717/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :01/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : A NOVEL POPULATION OF HEPATOCYTES DERIVED VIA DEFINITIVE ENDODERM (DE-HEP) FROM HUMAN BLASTOCYSTS STEM CELLS

(51) International classification	:C12N 5/08
(31) Priority Document No	:60/935,003
(32) Priority Date	:20/07/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2008/059491
Filing Date	:18/07/2008
(87) International Publication No	:WO 2009/013254
(61) Patent of Addition 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)HEINS, NICO**

**2)BROLEN, GABRIELLA**

**3)KUPPERS-MUNTHER, BARBARA**

(57) Abstract :

The present invention relates to a novel hepatocyte-like cell progenitor and/or a novel hepatocyte-like cell derived via definitive endoderm from human blastocyst-derived stem (hBS) cells, to a method for the preparation of such cells and to the potential use of such cells in e.g. pharmaceutical drug discovery and development, toxicity testing, cell therapy and medical treatment. In particular is presented a definitive endoderm derived hepatocyte-like cell with important liver-expressed marker genes and important metabolizing enzymes, as well as drug transporters.

No. of Pages : 160 No. of Claims : 69

(12) PATENT APPLICATION PUBLICATION

(21) Application No.737/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :02/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHOD FOR PRODUCING FATTY ACID ESTER FROM FLATTENED OLEAGINOUS GRAINS

(51) International classification :C11C 3/00  
(31) Priority Document No :0756716  
(32) Priority Date :24/07/2007  
(33) Name of priority country :France  
(86) International Application No :PCT/EP2008/059757  
Filing Date :24/07/2008  
(87) International Publication No :WO 2009/013349  
(61) Patent of Addition 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)HOANG, LE CHIEN**  
**2)ESTEREZ, JEAN PIERRE**  
**3)MAGNE, JULIEN**

(57) Abstract :

The invention relates to a method for preparing fatty acid esters particularly used as bio-diesel fuel from whole oleaginous grains, characterised in that it comprises the following successive steps: preheating the whole non-husked grains; flattening the oleaginous grains; drying the flattened grains in order to obtain a water content and a volatile material content between 0.5 and 2.5 %, and preferably between 1.5 % and 2 %; performing a transesterification by contacting the dried, flattened grains with an alcoholic medium in the presence of a catalyst; separating the liquid and solid phases resulting from the transesterification; neutralising the liquid phase from step d) ; and removing the alcohol and separating the glycerine from the fatty acid esters.

No. of Pages : 60 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6241/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :29/09/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : SUPPORT ARM SYSTEM•

(51) International classification	:B25H 1/08
(31) Priority Document No	:2007901557
(32) Priority Date	:23/03/2007
(33) Name of priority country	:Australia
(86) International Application No	:PCT/AU2008/000408
Filing Date	:20/03/2008
(87) International Publication No	: NA
(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)ANDREAS KLAUS**  
**3)LIANG TUNG**  
(72)**Name of Inventor :**  
**1)Aydin KEYVANLOO**

(57) Abstract :

A support arm system (10) includes a socket (16) for attachment to a surface (18) and a support arm (14), for removable insertion in the socket (16). The support arm (14) has at least one formation (22). The socket (16) includes a housing (28) having an insertion opening (30) leading to a passage (32) for insertion of the support arm (14). At least one formation (34) in the passage (32) complementary to the at least one formation (22) on the support arm (14) is provided to engage the support arm (14) when the support arm (14) is in the socket (16). A gate element (36) in the passage (32) is biased to a position at or in front of said at least one formation (34) in the passage.....

No. of Pages : 41 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.704/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :01/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : COMPOSITE BALLISTIC FABRIC STRUCTURES FOR HARD ARMOR APPLICATIONS

(51) International classification :c22c  
(31) Priority Document No :11/888,479  
(32) Priority Date :01/08/2007  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2008/071486  
Filing Date :29/07/2008  
(87) International Publication No :WO 2009/048674  
(61) Patent of Addition 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)DAVID A. STEENKAMER**  
**3)BRIAN ARVIDSON**  
**4)DANELLE POWERS**  
**5)ASHOK BHATNAGAR**  
**6)BRADLEY GRUNDEN**

(57) Abstract :

A ballistic resistant composite material useful in rigid armor applications. The composite material includes at least one consolidated network of high tenacity fibers in a thermoplastic matrix material. The resin is a thermoplastic polyurethane resin that is semi-crystalline at room temperature. The high tenacity fibers have a tenacity of at least about 7 g/d. Prior to consolidation the polyurethane resin matrix material is in an aqueous medium. When dry, the polyurethane matrix material has a tensile modulus (at 100% elongation) of at least about 500 psi (3.45 MPa), a tensile modulus (at 300% elongation) of at least about 500 psi (3.45 MPa), and an ultimate tensile strength of at least about 2000 psi (13.78 MPa). The ballistic resistant composite material has improved ballistic properties.

No. of Pages : 33 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.723/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :04/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHOD AND PRODUCT OF MAKING A POLYMER-BINDER COMPOSITE•

(51) International classification :c08l  
(31) Priority Document No :11/841,441  
(32) Priority Date :20/08/2007  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2008/070619  
Filing Date :21/07/2008  
(87) 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)BARNAT James J.**  
**2)VOPAT F. Vincent**  
**3)PRICE Ronnie J.**

(57) Abstract :

A method of making a polymer-binder composite, and the composite thus created. The method employs a high shear device that mixes together polymer with binder, and optionally with additive. The mixing is accomplished in less than one hour, less than 30 minutes or less than 3 minutes, and done at high shear rates. The shear conditions are defined by scalar shear quantity greater than 250, 1,000 or 1,500, resident time of greater than 0.05, 0.10 or 0.20 seconds, and energy utilized per unit mass of greater than 0.05, 0.10 or 0.20 kW/kg. The composite thus produced can be made with a high percentage of polymers. It can be cooled and cut into pellets that are dry and stable at normal temperatures and which can be stored or transported without heating to secondary mixing locations. The composite pellets are quickly soluble in the additional binder.

No. of Pages : 39 No. of Claims : 52

(12) PATENT APPLICATION PUBLICATION

(21) Application No.742/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :02/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : GEAR MACHINING APPARATUS AND MACHINING METHOD

(51) International classification	:B23F 19/10
(31) Priority Document No	:2007-202408
(32) Priority Date	:02/08/2007
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2008/064073
Filing Date	:30/07/2008
(87) International Publication No	:WO 2009/017248
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
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MINATO-KU, TOKYO 107-8556, Japan  
(72)**Name of Inventor :**  
**1)KATSUYOSHI OHNO**  
**2)TATSUO YOKOI**  
**3)NOBUAKI OGAWA**  
**4)KENJI NARAHASHI**  
**5)SHIMPEI NAKADA**

(57) Abstract :

A machining section (12) of a gear machining apparatus includes a workpiece support in the form of a shaft (J1) that pivotally supports the workpiece gear (14) and a cutter support in the form of a shaft (J2) that supports the chamfering cutter (18) so that the chamfering cutter (18) meshes with the workpiece gear (14) attached to the shaft (J1). The shaft (J1) is angled so that the chamfering cutter (18) meshes with the workpiece gear (14) at an axis-crossing angle ( ) not being zero degree and machining teeth (32a, 32b) of the chamfering cutter (18) do not interfere with a tooth face (28) of the workpiece gear (14). A gear machining method is also provided.

No. of Pages : 100 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1314/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :04/06/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : LIGHT SOURCE ARRANGEMENT FOR AN ILLUMINATION DEVICE OF A MEDICAL-OPTICAL OBSERVATION APPARATUS

(51) International classification

:G02B

(31) Priority Document No

:10 2009

(32) Priority Date

024 942.7

(33) Name of priority country

:09/06/2009

(86) International Application No

:Germany

Filing Date

:NA

(87) 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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Oberkochen Germany

(72)Name of Inventor :

**1)Christian Lücke**

**2)Markus Bausewein**

**3)Peter Reimer**

(57) Abstract :

Provision is made of a light source arrangement (101) for an illumination device of a medical-optical observation apparatus, which illumination device has an illumination light source (7) and an illumination optical unit (15) for illuminating an observation object (23) with illumination light from the illumination light source (7) . The light source arrangement (101) comprises at least one luminescence emitter (3) as light source and an imaging optical unit (105), which generates an image (7) of the at least one luminescence emitter (3) with a defined magnification scale, which image forms the illumination light source for the illumination device.

No. of Pages : 26 No. of Claims : 15



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2755/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :19/11/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : HOLDER FOR ELECTRONIC DEVICE

(51) International classification

:h02j

(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)Abhinav Kumar Singh**

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**4)Abhinav Kumar Singh**

**5)Abhinav Kumar Singh**

(57) Abstract :

Disclosed is a holder for an electronic device. The holder includes a first plate having a body portion for supporting the electronic device and a neck portion extending from the body portion and configured to receive at least a portion of the cord of a battery charger. The first plate also includes a first coupling element extending outwardly from the neck portion. Further, the holder includes a second plate pivotally coupled to the first plate. The second plate includes a second coupling element coupled to the at least one first coupling element for configuring a coupling mechanism. The second plate also includes at least one opening configured therein for allowing mating of the battery charger with the electrical socket through the holder.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.706/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :01/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : LOW-VISCOSITY AQUEOUS ADHESIVE POLYMER DISPERSIONS

(51) International classification	:C08L 11/02
(31) Priority Document No	:10 0007 040 277.7
(32) Priority Date	:24/08/2007
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2008/006594
Filing Date	:09/08/2008
(87) International Publication No	:WO 2009/027013
(61) Patent of Addition 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)DIRK ACHTEN**  
**2)PETER KUEKER**  
**3)JUERGEN KEMPKE**  
**4)BIANKA LORENZ**  
**5)PETER REICHERT**  
**6)WINFRIED JESKE**  
**7)JOSE COLNAS-MARTINEZ**

(57) Abstract :

The invention relates to low-viscosity, low-monomer-content, aqueous polymer dispersions based on polychloroprene, and also to a process for preparing them and to their use as contact adhesive.

No. of Pages : 44 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.724/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :04/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : IMPROVED CRYSTALLINE FORM OF SUCRALOSE AND METHOD FOR PRODUCING IT•

(51) International classification	:c07c
(31) Priority Document No	:10/426,387
(32) Priority Date	:30/04/2003
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/GB2004/001759
Filing Date	:26/04/2004
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:4294/DELNP/2005
Filed on	:22/09/2005

(71)**Name of Applicant :**  
**1)TATE & LYLE TECHNOLOGY LTD**  
Address of Applicant :Sugar Quay Lower Thames Street  
London EC3R 6DQ United Kingdom  
(72)**Name of Inventor :**  
**1)CATANI Steven James**  
**2)MERKEL Carolyn Marie**  
**3)VERON Nicholas Mark**

(57) Abstract :

A crystalline form of sucralose, and a method of making it. The method involves continuously crystallizing sucralose from an aqueous solution by a process providing continuous removal and recirculation of the vessel contents, and providing a long residence time for sucralose in the system. The crystals thus formed are of a relatively low length/diameter ratio, have an unsymmetrical shape, and exhibit good stability. The larger crystals in particular are tapered as compared to the rod-like larger crystals in prior art product.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.743/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :02/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : IMPROVED FLUID PROBE

(51) International classification :G01N 11/00

(31) Priority Document No :0716202.7

(32) Priority Date :11/08/2007

(33) Name of priority country :U.K.

(86) International Application No :PCT/GB2008/002717

Filing Date :08/08/2008

(87) International Publication No :WO 2009/022121

(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)MICROVISK LIMITED**

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FORDD RICHARD DAVIES, ST. ASAPH BUSINESS PARK,  
ST ASAPH LL17 0LJ UNITED KINGDOM

(72)Name of Inventor :

**1)DJAKOV VLADISLAV**

(57) Abstract :

Device and associated methods for detecting a property of a fluid. The device includes a body region and a first flexible element having a first end and a second end. The first end is fixedly located on the body region. The flexible element includes at least a first layer having a first coefficient of thermal expansion and a second layer having a second, different coefficient of thermal expansion. An electrical heater element can be arranged to heat the flexible element to induce bending of said flexible element. The resistance of a first portion of the electrical heater element adjacent the first end can be greater than the resistance of a second portion of the electrical heater element further from the first end. The device can include a heater controller arranged to supply an electrical pulse having a duration less than 5ms to the electrical heater. The device can include a second, reference flexible element having a first end and a second end, with the first end fixedly located on the body region. Each flexible element can include a respective sensor arranged to provide a signal indicative of the movement of that flexible element. The sensor of the reference flexible element has a different configuration than the sensor of the first flexible element, with at least one of the flexible elements including at least one additional portion of material for equalising the thermal conductivity distribution of the two flexible elements.

No. of Pages : 46 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1369/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :02/07/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : COMPOSITE ROOF INSULATION BLOCK

(51) International classification	:e04d	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)Anjani Kumar</b>
(32) Priority Date	:NA	Address of Applicant :C/35 Punjabi Bagh West New Delhi-
(33) Name of priority country	:NA	110026 India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)Anjani Kumar</b>
(87) 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 the manufacture and design construction of a composite insulation block which offer excellent thermal insulation and a finished roof tile in one composite element. The present invention also relates to an encapsulating layer of modified concrete mix that protects the extruded polystyrene board (XPS) by supplementing the top and bottom with the pillars on all the sides and/or middle of the block; wherein the top, bottom and pillars of the said block is made up of the modified concrete mix. The pillars on the four sides of the block not only provide strength and durability to the block but also reduce the thermal bridge.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1925/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :16/09/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : A NOVEL PHASE CHANGE MATERIAL COMPOSITION AND A PROCESS FOR PREPARING SAME THEREOF•

(51) International classification

:c22b

(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. A. K. Agarwal**

**2)Dr. Manjeet Jassal**

**3)Sajal Barman**

(57) Abstract :

The present invention provides a novel phase change material (PCM) composition comprising an inorganic phase change material, a high surface material, and optionally a nucleating agent and thickening agent. The invention further provides a process for preparing the phase change material composition.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6597/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :15/10/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : ANTIFOULING COATING COMPOSITION BASED ON CURABLE POLYORGANOSILOXANE POLYOXYALKYLENE COPOLYMERS•

(51) International classification	:c08l
(31) Priority Document No	:07107280.5
(32) Priority Date	:01/05/2007
(33) Name of priority country	:EPO
(86) International Application No	:PCT/GB2008/055130
Filing Date	:28/04/2008
(87) 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)AKZO NOBEL COATINGS INTERNATIONAL B.V.**  
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(72)**Name of Inventor :**  
**1)WILLIAMS David Neil**  
**2)STARK David Anthony**  
**3)LEE Adrian James**  
**4)DAVIES Cait Marie**

(57) Abstract :

A process to physically deter fouling from a substrate in an aquatic fouling environment, which process comprises forming on the substrate, before exposure to the said environment, a coating composition comprising (i) a curable polyorganosiloxane polyoxyalkylene block copolymer having at least two reactive groups X situated on the copolymer chain and (ii) an organosilicon crosslinking agent and/or a catalyst.

No. of Pages : 34 No. of Claims : 16

(54) Title of the invention : INHALATION DEVICES FOR STORING AND DELIVERING MEDICAMENT

(51) International classification :A61M 15/00  
 (31) Priority Document No :60/948,331  
 (32) Priority Date :06/07/2007  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/US2008/006150  
     Filing Date :06/07/2008  
 (87) International Publication No :WO 2009/009013  
 (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)MANTA DEVICES, LLC**  
 Address of Applicant :112 BEECH STREET, ROSLINDALE,  
 MASSACHUSETTS 02131, U.S.A.  
 (72)Name of Inventor :  
**1)JONES, ANDREW**  
**2)MILLER, RICHARD L.**

## (57) Abstract :

The present invention relates to devices for storing and delivering medicament. A device (100) according to an embodiment of the present invention comprises an air path (103) and a chamber (101) configured for storing and delivering a medicament. The chamber has a substantially curved interior surface and an opening (111) that provides fluid communication with the air path. The opening includes an inlet admitting air from the air path and an outlet for medicament entrained air to exit into the air path. A section of the curved interior surface is configured to redirect at least a portion of the inlet flow toward the inlet flow of air. So configured, some of the redirected flow of air may exit the chamber through the outlet and into the air path while other portions of the redirected flow of air recirculates about the chamber.

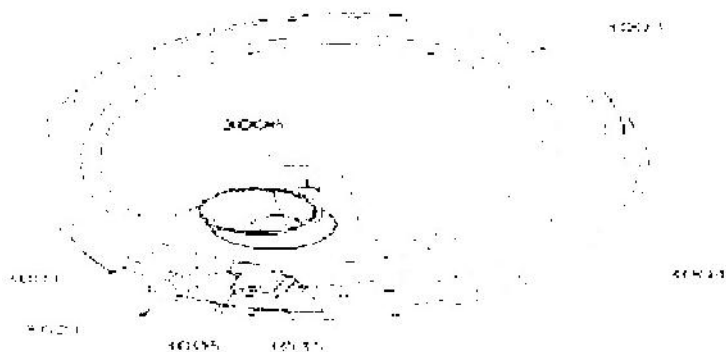


Fig. 24A

No. of Pages : 123 No. of Claims : 100



(12) PATENT APPLICATION PUBLICATION

(21) Application No.727/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :04/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : INHALER

(51) International classification	:a61m
(31) Priority Document No	:07013292.3
(32) Priority Date	:06/07/2007
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2008/005492
Filing Date	:04/07/2008
(87) 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)Vectura Delivery Devices Limited**  
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**2)Boehringer Ingelheim Internatinoal GmbH**  
(72)**Name of Inventor :**  
**1)VON BRUNN Timo**  
**2)SARKAR Matthew Neil**  
**3)EASON Stephen William**

(57) Abstract :

An inhaler for delivery of a powder from inhalation formulation from a blister strip with a plurality of blister pockets is proposed. The used part of the blister strip is wound up and/or kept taut and/or free of loops by means of a spring.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.747/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :02/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHOD AND COMPOSITIONS FOR IMPROVING DURABILITY OF COATED OR DECORATED CERAMIC SUBSTRATES

(51) International classification	:C03C 1734
(31) Priority Document No	:60/507,272
(32) Priority Date	:30/09/2003
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2004/032127
Filing Date	:30/09/2004
(87) International Publication No	:WO 2005/033044
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:1398/DELNP/2006
Filed on	:14/03/2006

(71)**Name of Applicant :**  
**1)PPG INDUSTRIES OHIO, INC.**  
Address of Applicant :3800 WEST 143rd STREET,  
CLEVELAND, OH 44111, U.S.A.  
(72)**Name of Inventor :**  
**1)HART, TERENCE, J.**  
**2)HODEK, ROBERT, B.**  
**3)NEHMSMANN, LOUIS, J.**  
**4)TANG, ROBERT, H.**  
**5)ZHANG, YINGCHAO, C.**

(57) Abstract :

The present invention relates to a method for coating a ceramic substrate comprising : applying to at least a portion of the substrate at least one colored coating composition comprising at least one curable organic binder and at least one colorant ; applying to at least a portion of the substrate a substantially clear coating composition comprising a curable organic binder; and substantially simultaneously curing the binders in the colored coating composition and the substantially clear coating composition; wherein either the colored coating composition or the substantially clear coating composition can be applied first, and wherein atleast the first applied coating composition also comprises a plurality of particles.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1435/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :13/07/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : VULCANIZABLE POLYMER COMPOSITIONS

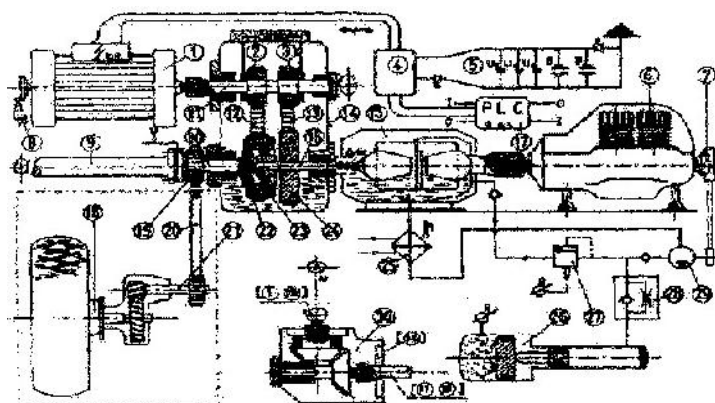
(51) International classification	:C08L
(31) Priority Document No	:08012767.3
(32) Priority Date	:15/07/2008
(33) Name of priority country	:EPO
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :  
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Address of Applicant :D-51369 LEVERKUSEN, Germany

(72)Name of Inventor :  
**1)MATTHIAS SODDEMANN**  
**2)MARTIN MEZGER**  
**3)CHRISTOPHER ONG**  
**4)SVEN BRANDAU**  
**5)MICHAEL KLIMPEL**

(57) Abstract :

A novel vulcanizable polymer composition is provided which is characterized by a specific combination of a polyamine crosslinking agent and a particular crosslinking accelerator. Furtheron polymer vulcanizates on the basis of such polymer compositions as well as method for preparing such polymer vulcanizate is provided, in particular in the form of mouldings or shaped parts.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1697/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :13/08/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : PAGING PROCESS IN A HOME CELLULAR NETWORK

(51) International classification	:H04N
(31) Priority Document No	:61/140,745
(32) Priority Date	:24/12/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)Chou Chien-Ming**

**2)Jung-Mao Lin**

(57) Abstract :

Disclosed embodiments include a method of paging one of a plurality of mobile subscribers in a wireless communication network. The method includes receiving, at a base station, an idle mode request from the one mobile subscriber and sending an idle mode notification to a control device, after receiving the idle mode request from the one mobile subscriber. The method also includes receiving a paging request from the control device and sending a paging advertisement intended for the one mobile subscriber, after receiving the paging request from the control device.

No. of Pages : 46 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.329/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :15/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : A DEVICE AND METHOD TO SEPARATE MOTILE AND FUNCTIONAL SPERMATOZOA FROM THE SEMEN•

(51) International classification

:A61B

(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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Singapore 118255.

(72)Name of Inventor :

**1)SURESH KATTERA**

(57) Abstract :

The present application relates to a novel device and a method of using novel semen processing device (i), 5-10cm in length with the disposal end tapered like a cone (j) with an extended nozzle (b) covered with a cap (a). The device has special provisions for piercing the tank and collects the active specimen. The device has an inner plunger (f) which doesn<sup>TM</sup>t extend into the cone portion. The device can hold fluid from 0.1-6 ml with graduations up to the tip. The device will be pre-filled with a composition.

No. of Pages : 18 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.650/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :29/01/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : OPTICALLY ACTIVE (R)-ARYLOXYPROPIONIC ACID AMIDES AND HERBICIDAL COMPOSITION COMPRISING SAME

(51) International classification	:C07C 235/20
(31) Priority Document No	:10-2007-0066270
(32) Priority Date	:03/07/2007
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2008/003899
Filing Date	:02/07/2008
(87) International Publication No	:WO 2009/005297
(61) Patent of Addition 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, JOO-KYUNG;**

**2)KIM, DONG-HOO;**

**3)KIM, HYUNG-HO;**

**4)KIM, KYUNG-HYUN**

**5)YOON, CHEOL-SU;**

**6)HWANG, IN-CHEON;**

(57) Abstract :

The present invention relates to an optically active (R)-aryloxypropionic acid amide compound which has high selectivity and safety for protecting a crop such as rice, wheat, barley and soy bean, and exhibits excellent herbicidal activity against weeds, and a herbicidal composition comprising the same.

No. of Pages : 55 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.697/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :01/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : PRETREATMENT COMPOSITION AND METHODS FOR COATING A METAL SUBSTRATE

(51) International classification :C23C 22/34

(31) Priority Document No :11/833,525

(32) Priority Date :03/08/2007

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2008/071436

Filing Date :29/07/2008

(87) International Publication No :WO 2009/020794

(61) Patent of Addition 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)MCMILLEN, MARK W.**

**2)RAKIEWICZ, EDWARD F.**

(57) Abstract :

Disclosed are methods for treating metal substrates, including ferrous substrates, such as cold rolled steel and electrogalvanized steel. The methods include the substrate with a pretreatment composition that includes: (a) a group UIB and/or IVB metal an electropositive metal (c) free fluorine; (d) a metal fluoride salt formed from a metal which forms a fluoride salt having pK<sub>sp</sub> of at least 11; and (e) water.

No. of Pages : 33 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7668/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :25/11/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : SYSTEMS FOR CONTROLLING, ELIMINATING AND/OR MANAGING VARIOUS TYPES OF ADVERSE EFFECTS•

(51) International classification	:f16l
(31) Priority Document No	:60/926,315
(32) Priority Date	:26/04/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2008/005384
Filing Date	:25/04/2008
(87) International Publication No	: NA
(61) Patent of Addition 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)LYUBLINSKI Efim Ya**

**2)VAKS Yefim**

**3)SHULTZ Marcelo**

**4)UEMURA Keiji**

(57) Abstract :

The present invention generally relates to corrosion management systems designed to deliver corrosion protection and/or the management of corrosion to a connector, a connection, a welded joint, or some other type of interface (e.g., a valve joint used to join to portions of piping). In another embodiment, the present invention relates to systems designed to deliver at least one form of corrosion, UV, salt spray, and/or fire damage protection, mitigation and/or the management to a connector, a connection, a welded joint, or some other type of interface (e.g., a flange used to join to portions of piping).

No. of Pages : 38 No. of Claims : 36



(12) PATENT APPLICATION PUBLICATION

(21) Application No.692/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :01/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : IMPROVEMENTS IN OR RELATING TO ORGANIC COMPOUNDS

(51) International classification :A01N 25/02

(31) Priority Document No :0716593.9

(32) Priority Date :24/08/2007

(33) Name of priority country :U.K.

(86) International Application No :PCT/GB2008/002738

Filing Date :12/08/2008

(87) International Publication No :WO 2009/027626

(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)SYNGENTA LIMITED**

Address of Applicant :EUROPEAN REGIONAL CENTRE  
PRIESTLEY ROAD SURREY RESEARCH PARK  
GUILDFORD SURREY GU2 7YH UNITED KINGDOM.

(72)Name of Inventor :

**1)BELL GORDON ALSSTAIR**

**2)HARRIS CLAIR LOUISE**

**3)TOVEY IAN DAVID**

(57) Abstract :

A composition comprising a compound of formula I  $\text{CH}_3\text{CH}(\text{OH})\text{CC}=\text{O})\text{NR}_1\text{R}_2$  (I) where R<sub>1</sub> and R<sub>2</sub> are each independently hydrogen; or C<sub>1</sub>-6 alkyl, C<sub>2</sub>-6 alkenyl or C<sub>2</sub>-6 cycloalkyl, each of which is optionally substituted by up to three substituents independently selected from phenyl, hydroxy, C<sub>1</sub>-5 alkoxy, morpholinyl and NR<sub>3</sub>R<sub>4</sub> where R<sub>3</sub> and R<sub>4</sub> are each independently C<sub>1</sub>-3 alkyl; or phenyl optionally substituted by up to three substituents independently selected from C<sub>1</sub>-5 alkyl; or R<sub>1</sub> and R<sub>2</sub> together with the nitrogen atom to which they are attached form a morpholinyl, pyrrolidinyl, piperidinyl or azepanyl ring, each of which is optionally substituted by up to three substituents independently selected from C<sub>1</sub>-3 alkyl; and at least one agrochemical selected from the group consisting of Trinexpac ethyl, Mandipropamid, Abamectin and Emamectin, with the proviso that the agrochemical is not abamectin or emamectin when the solvent is N-(B-hydroxyethyl)- lactamide. Such compositions may be, or may be comprised by, emulsion concentrates.

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

(54) Title of the invention : COGNITIVE MODEL FOR A MACHINE-LEARNING ENGINE IN A VIDEO ANALYSIS SYSTEM

(51) International classification :G06K 9/00  
 (31) Priority Document No :60/949,107  
 (32) Priority Date :11/07/2007  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/US2008/069700  
 Filing Date :10/07/2008  
 (87) International Publication No :WO 2009/009697  
 (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)BEHAVIORAL RECOGNITION SYSTEMS, INC.**

Address of Applicant :2100 WEST LOOP S., 9TH FLOOR, HOUSTON, TX 77027, U.S.A.

## (72)Name of Inventor :

**1)EATON, JOHN, ERIC****2)COBB WESLEY, KENNETH****3)URECH, DENNIS, G.****4)FRIENDLANDER, DAVID, S.****5)XU, GANG****6)SEOW, MING-JUNG****7)RISINGER, LON, W.****8)SOLUM, DAVID, M.****9)YANG, TAO****10)GOTTUMUKKAL, RAJKIRAN, K.****11)SAITWAL, KISHOR, ADINATH****12)NA**

## (57) Abstract :

A machine-learning engine is disclosed that is configured to recognize and learn behaviors, as well as to identify and distinguish between nonnal and abnonnal behavior within a scene, by analyzing movements and/or activities (or absence of such) over time. The machine-learning engine may be configured to evaluate a sequence of primitive events and associated kinematic data generated for an object depicted in a sequence of video frames and a related vector representation. The vector representation is generated from a primitive event symbol stream and a phase space symbol stream, and the streams describe actions of the objects depicted in the sequence of video frames.

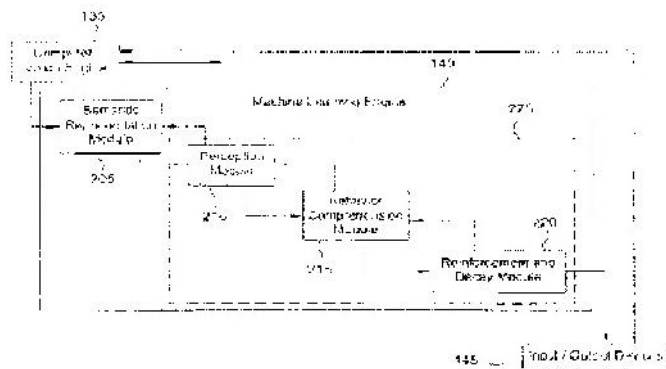


FIG. 2

No. of Pages : 53 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(21) Application No.738/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :02/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : CYCLOHEXENE DERIVATIVES AND THEIR USE AS ODORANTS

(51) International classification	:C07C 47/45
(31) Priority Document No	:0715496.6
(32) Priority Date	:10/08/2007
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/CH08/000337
Filing Date	:07/08/2008
(87) International Publication No	:WO 2009/021342
(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)GIVAUDAN SA**

Address of Applicant :CHEMIN DE LA PARFUMERIE 5,  
CH-1214 VERNIER, Switzerland

(72)Name of Inventor :

**1)ANDREAS GOEKE**

**2)YUE ZOU**

(57) Abstract :

The present invention relates to a process for the production of formyl cyclohexene derivatives which are suitable as odorants as such or as intermediates for the preparation of further odorants. In particular the present invention relates to a domino-methylenation-Diels-Alder reaction of  $\alpha,\beta$ -unsaturated aldehydes using formaldehyde in the presence of 1,3-butadienes

No. of Pages : 49 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8302/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :18/12/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : A METHOD AND SYSTEM FOR ALLOWING USER CHECK-IN

(51) International classification :G06Q  
(31) Priority Document No :11/809,056  
(32) Priority Date :30/05/2007  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/EP2008/055842  
Filing Date :13/05/2008  
(87) 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)AMADEUS S.A.S.**  
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Antipolis F-06410 Biot FRANCE  
(72)Name of Inventor :  
**1)DI CONSTANZO Pierre-Philippe**  
**2)GAUTHERIE Karine**  
**3)HEMON Marielle**

(57) Abstract :

The present invention consists in a method for changing the state of a pre-booked ticket from a first booked-state to a second check-in state, wherein the method includes a mobile device communicating through an IM communication system with a check-in desk service, said mobile device also comprising an identification means of a user, said check-in desk service having access to the pre-booked ticket, wherein the method comprises the steps of connecting the mobile device to an appropriate network in order to communicate with the check-in desk, sending the identification means through the IM communication system to the check-in desk in order to access to the pre-booked ticket, requesting to change the pre-booked ticket state from booked to check-in and receiving an electronic boarding pass on the mobile device to access to a boarding gate.

No. of Pages : 16 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6632/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :16/10/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : EXHAUST GAS DESULFURIZER

(51) International classification

:b01d

(31) Priority Document No

:2007-  
191858

(32) Priority Date

:24/07/2007

(33) Name of priority country

:Japan

(86) International Application No

:PCT/JP2008/

Filing Date

062563

:11/07/2008

(87) 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)MITSUBISHI HEAVY INDUSTRIES LTD.**

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Tokyo 108-8215 Japan.

(72)Name of Inventor :

**1)Keisuke SONODA**

**2)Shozo NAGAO**

**3)Tomoo AKIYAMA**

(57) Abstract :

In an exhaust gas desulfurizer using a seawater method, leakage of combustion exhaust gas can be prevented by preventing or reducing entrainment of boiler exhaust gas generated when used seawater plunges into a seawater surface of diluting seawater. In an exhaust gas desulfurizer (1A) employing a seawater method in which desulfurization is conducted by causing gas-liquid contact between seawater falling from the upper portion of the desulfurization tower (2) and boiler exhaust gas rising up- from the lower portion of a desulfurization tower (2), desulfurized used seawater falls from the desulfurization tower (2) into diluting seawater flowing in a seawater oxidation treatment system (o) and is mixed and diluted therewith, and an impact-force damping device (20), for damping an impact force generated when the used seawater falls down and plunges into the diluting seawater, .....

No. of Pages : 39 No. of Claims : 3

## (54) Title of the invention : FUSED HETEROCYCLES

(51) International classification :A61K 31/407  
 (31) Priority Document No :11/833,903  
 (32) Priority Date :03/08/2007  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/US2008/071642  
 Filing Date :30/07/2008  
 (87) International Publication No :WO 2009/020814  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

## (71)Name of Applicant :

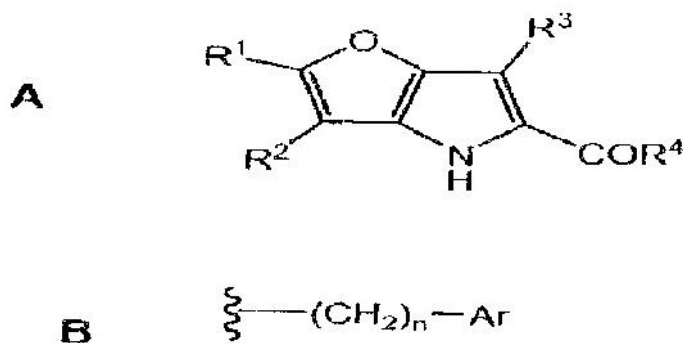
**1)SEPRACOR INC.**Address of Applicant :84 WATERFORD DRIVE,  
MARLBOROUGH, MA 01752-7010, U.S.A.

## (72)Name of Inventor :

**1)HEFFERNAN, MICHELE, L. R.****2)DORSEY, JAMES, M.****3)FANG, QUN, KEVIN****4)FOGLESONG, ROBERT, J.****5)HOPKINS, SETH, C.****6)OGBU, CYPRIAN, O.****7)SOUKRI, MUSTAPHA****8)SPEAR, KERRY, L.**

## (57) Abstract :

This invention provides fused heterocycles having the formula: in which R1 is a member selected from the group consisting of H, substituted or unsubstituted arylalkyl and substituted or unsubstituted heteroarylalkyl. R2 is a member selected from the group consisting of H substituted or unsubstituted alkenyl, substituted or unsubstituted arylalkyl and substituted or unsubstituted heteroarylalkyl. R3 is a member selected from the group consisting of H, C1-C6 substituted unsubstituted alkyl, substituted or unsubstituted arylalkyl and substituted or unsubstituted heteroarylalkyl. R4 is a member selected from OH and O X<sup>+</sup>, in which X<sup>+</sup> is positive ion which is a member selected from organic positive ions and inorganic positive ions. Substituted or unsubstituted arylalkyl and substituted or unsubstituted heteroarylalkyl moieties have the formula: in which Ar is a member selected from the group consisting of substituted or unsubstituted aryl and substituted or unsubstituted heteroaryl. The index n is an integer from 1 to 4. Formulae A, B.



(12) PATENT APPLICATION PUBLICATION

(21) Application No.711/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :01/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : POLYPEPTIDE HAVING NADH DEPENDENT HMF REDUCTASE ACTIVITY

(51) International classification :C12N 9/04  
(31) Priority Document No :0701797-3  
(32) Priority Date :31/07/2007  
(33) Name of priority country :Sweden  
(86) International Application No :PCT/SE2008/000444  
Filing Date :11/07/2008  
(87) International Publication No :WO 2009/017441  
(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)C5 LIGNO TECHNOLOGIES IN LUND AB**  
Address of Applicant :KEMICENTRUM, P.O. BOX 124, 221  
00 LUND (SE) Sweden  
(72)**Name of Inventor :**  
**1)HAHN-HAGERDAL, BARBEL**  
**2)MODIG, TOBIAS**  
**3)LIDEN, GUNNAR**  
**4)ALMEIDA, JOAO**  
**5)LAADAN, BOAZ**  
**6)GORWA-GRAUSLUND, MARIE, F**

(57) Abstract :

The invention relates to an isolated polypeptide having NADH dependent HMF reductase activity, wherein said polypeptide shows 80 % homology to the amino acid sequence shown in SEQ ID NO:2 and which differs from SEQ ID NO:2 in that at least SI 17L and Y295 or S110 is substituted, a nucleotide sequence coding for said polypeptide, a vector comprising said polypeptide or nucleotide sequence, host comprising said nucleotide sequence or vector as well as the use of the polypeptide for the reduction of furan or carbonyl compounds in lignocellulosic material or in any furan or carbonyl containing material.

No. of Pages : 37 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.730/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :02/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : ANTI-INFLAMMATORY COMPOSITION

(51) International classification	:A61K 31/45
(31) Priority Document No	:0715068.3
(32) Priority Date	:02/08/2007
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2008/002635
Filing Date	:01/08/2008
(87) International Publication No	:WO 2009/016390
(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)CAMBRIDGE ENTERPRISE LIMITED**

Address of Applicant :THE OLD SCHOOL, TRINITY LANE,  
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(72)Name of Inventor :

**1)GRAINGER, DAVID, JOHN**

**2)FOX, DAVID**

(57) Abstract :

The invention relates to 3-(2,2-dimethylpropanoylamino)-tetrahydropyridin-2-one, and its pharmaceutical compositions and its use for preparing a medicament intended to prevent or treat inflammatory disorders.

No. of Pages : 81 No. of Claims : 13



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8521/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :28/12/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : MODIFIED HOT RUNNER SYSTEMS FOR INJECTION BLOW MOLDING

(51) International classification	:b29c
(31) Priority Document No	:07010790.9
(32) Priority Date	:31/05/2007
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2008/056721
Filing Date	:30/05/2008
(87) 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)ALLIANCE FOR BUSINESS SOLUTIONS A4BS**

Address of Applicant :PB 35 Uitbreidingstraat B-2600

Berchem Belgium

(72)Name of Inventor :

**1)Steven DIRCX**

(57) Abstract :

An injection blow molding method for making a container comprising the steps of injecting a molten crystallizable polymer in a preform mold via a hot runner system and biaxially stretching the preform by blowing, thereby forming a container, characterized in that said method further comprises means to selectively modify the flow path of the molten crystallizable polymer within the hot runner system.

No. of Pages : 38 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.381/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :20/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : A METHOD OF PROVIDING MESSAGE INFORMATION, INCLUDING CALL SUBJECT INFORMATION, TO A RECIPIENT OF A TELEPHONE CALL

(51) International classification	:H04N	(71)Name of Applicant :
(31) Priority Document No	:09153806.6	<b>1)Research In Motion Limited</b>
(32) Priority Date	:26/02/2009	Address of Applicant :295 Phillip Street Waterloo Ontario
(33) Name of priority country	:EPO	N2L 3W8 Canada
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)BACCAY Peter</b>
(87) 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 methodology wherein a voice service client application on one or more phones and a voice service server perform a call set-up process through a mix of an external data channel and a normal voice channel that enables call subject information to be effectively provided by a calling party to a called party so that it can be displayed along with other caller ID information.

No. of Pages : 19 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.695/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :01/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : PYRAZOLE COMPOUNDS AND THEIR USE AS RAF INHIBITORS

(51) International classification :C07D 401/14  
(31) Priority Document No :60/953,235  
(32) Priority Date :01/08/2007  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/IB2008/001952  
Filing Date :21/07/2008  
(87) International Publication No :WO 2009/016460  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

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**5)MARY CATHERINE JOHNSON**

**6)ROBERT STEVEN KANIA**

**7)SUSAN ELIZABETH KEPHART**

**8)MARIA ANGELICA LINTON**

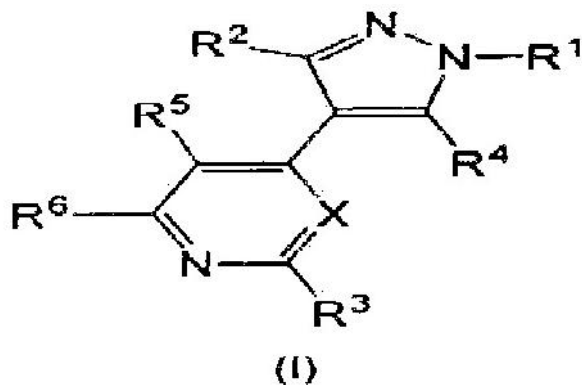
**9)INDRAWAN JAMES MCAPLINE**

**10)MASON ALAN PAIRISH**

**11)CYNTHIA LOUISE PALMER**

(57) Abstract :

The present invention is directed to compounds of Formula (I) and to pharmaceutically acceptable salts thereof, their synthesis, and their use as Raf in- hibitors.



No. of Pages : 168 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.720/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :01/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : PROCESS FOR THE SYNTHESIS OF DIAMINOPYRIDINE AND RELATED COMPOUNDS

(51) International classification :C07D 213/61

(31) Priority Document No :60/953,261

(32) Priority Date :01/08/2007

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2008/071864

Filing Date :01/08/2008

(87) International Publication No :WO 2009/018502

(61) Patent of Addition 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 :1007 MARKET STREET,  
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(72)Name of Inventor :

**1)RITTER, JOACHIM, C.**

(57) Abstract :

A process is provided for the synthesis of a diaminopyridine, such as 2, 6-diaminopyridine and related compounds, which are used industrially as compounds and as components in the synthesis of a variety of useful materials. The synthesis proceeds by means of a chlorine-ammonia displacement in the presence of a copper source.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.740/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :02/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : RATE-ADAPTIVE FORWARD ERROR CORRECTION FOR OPTICAL TRANSPORT SYSTEMS

(51) International classification :H04L 1/00  
(31) Priority Document No :11/834,169  
(32) Priority Date :16/08/2007  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2008/009114  
Filing Date :28/07/2008  
(87) International Publication No :WO 2009/020529  
(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)LUCENT TECHNOLOGIES INC.**  
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MURRAY HILL, NEW JERSEY 07974-0636, U.S.A.  
(72)Name of Inventor :  
**1)ADRIAAN J. DE LIND VAN WIJNGAARDEN**  
**2)RANDY CLINTON GILES**  
**3)STEVEN K KOROTKY**  
**4)XIANG LIU**

(57) Abstract :

An optical transport system (OTS) having a plurality of optical transponders (OTs) connected via one or more optical links and adapted to communicate with one another using respective rate-adaptive forward-error-correction (FEC) codes. In one embodiment, the OTS has a rate control unit (RCU) adapted to configure the OTs to dynamically adjust the rates of the FEC codes based on an estimated performance margin for each link between two respective communicating OTs to optimize the overall capacity of the OTS while maintaining an adequate, but not excessive, overall system margin.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8515/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :28/12/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : NON-GELLABLE AND PUMPABLE CONCENTRATED BINDER FOR BITUMEN/POLYMER•

(51) International classification	:c08l
(31) Priority Document No	:0704564
(32) Priority Date	:26/06/2007
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2008/000896
Filing Date	:25/06/2008
(87) 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)TOTAL RAFFINAGE MARKETING**  
Address of Applicant :24 Cours Michelet 92800 Puteaux  
FRANCE  
(72)**Name of Inventor :**  
**1)Gilles GAUTHIER**  
**2)Guillaume DULAC**

(57) Abstract :

The present invention relates to a concentrated binder having a very high polymer content comprising a soft aromatic petroleum base, optionally a bituminous base and at least one polymer characterized in that the polymer content in the concentrated binder is greater than or equal to 20% by weight, preferably greater than or equal to 25% by weight, and the use thereof in the preparation of a dilute bitumen/polymer binder for the fields of road applications, in particular in the manufacture of road binders, and in the fields of industrial applications.

No. of Pages : 17 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8516/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :28/12/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : CONCURRENT ANAEROBIC DIGESTION AND FERMENTATION OF LIGNOCELLULOSIC FEEDSTOCKS

(51) International classification	:c12p
(31) Priority Document No	:60/941,197
(32) Priority Date	:31/05/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2008/001001
Filing Date	:23/05/2008
(87) 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)LIGNOL INNOVATIONS LTD.**  
Address of Applicant :101-4705 Wayburne Drive Burnaby  
British Columbia V5G 3L1 Canada  
(72)**Name of Inventor :**  
**1)MACLACHLAN John Ross**  
**2)PYE Edward Kendall**

(57) Abstract :

A process for concurrent production of lignins, fuel alcohol, and biogas from lignocellulosic feedstocks. The process comprises: (1) pretreating a lignocellulosic feedstock to produce a solubilised liquid components stream comprising lignins, lignin-derived compounds, and a cellulosic pulp stream, (2) separating the liquid stream from the cellulosic pulp stream, (3) processing the liquid stream to separate and recover at least lignins, lignin-derived compounds, and semi-solid waste material,

No. of Pages : 20 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8517/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :28/12/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : CONTINUOUS COUNTER-CURRENT ORGANOSOLV PROCESSING OF LIGNOCELLULOSIC FEEDSTOCKS

(51) International classification :c12p  
(31) Priority Document No :60/941,220  
(32) Priority Date :31/05/2007  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/CA2008/000793  
Filing Date :25/04/2008  
(87) 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)O<sup>TM</sup>CONNOR Donald**  
**3)RUSHTON Michael**  
**4)PYE Edward Kendall**  
**5)GJENNESTAD Gordon**  
**6)BERLIN Alex**  
**7)MACLACHLAN John Ross**

(57) Abstract :

A modular process for organosolv fractionation of lignocellulosic feedstocks into component parts and further processing of said component parts into at least fuel-grade ethanol and four classes of lignin derivatives. The modular process comprises a first processing module configured for physico-chemically digesting lignocellulosic feedstocks with an organic solvent thereby producing a cellulosic solids fraction and a liquid fraction, a second processing module configured for producing at least a fuel-grade ethanol and a first class of novel lignin derivatives from the cellulosic solids fraction, a third processing module configured for separating a second class and a third class of lignin derivatives from the liquid fraction and further processing the liquid fraction to produce a distillate and a stillage, a fourth processing module configured for separating a fourth class of lignin derivatives from the stillage and further processing the stillage to produce a sugar syrup.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1730/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :21/08/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : CYLINDER LOCK PROTECTION DEVICE

(51) International classification	:E02F	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)ASAHI DENSO CO. LTD.</b>
(32) Priority Date	:NA	Address of Applicant :2-1 Somejidai 6-chome Hamakita-ku
(33) Name of priority country	:NA	Hamamatsu-shi Shizuoka Japan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)Akihiko TSUCHIKIRI</b>
(87) International Publication No	: NA	<b>2)Yusuke SAWAKI</b>
(61) Patent of Addition to Application Number	:NA	<b>3)Michiyuki SUZUKI</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A cylinder lock protection device is provided with: a shutter (2) movable between a closed position and an open position; a locking means (3) for locking the shutter (2) located at the closed position and for restricting a movement of the shutter (2) to the open position; a transmitting means (6) for wirelessly transmitting a code; a receiving means (7) for receiving the code from the transmitting means (6) in a non-contact state; and an authentication means (8) for authenticating whether the code received by the receiving means (7) is correct. A locking of the shutter (2) by the locking means (3) is released so that the shutter (2) is movable from the closed position to the open position, only when the authentication means (8) authenticates that a correct code is received.

No. of Pages : 34 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2105/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :03/09/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHOD AND COMPOSITIONS FOR ENGINEERING RECOMBINANT DNA MOLECULES

(51) International classification	:C12N	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)E. I. DU PONT DE NEMOURS AND COMPANY</b>
(32) Priority Date	:NA	Address of Applicant :1007 MARKET STREET,
(33) Name of priority country	:NA	WILMINGTON, DELAWARE 19898, U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)PARAMESWARAN, SRIRAM</b>
(87) International Publication No	:NA	<b>2)MOHANTY, AMITABH</b>
(61) Patent of Addition to Application Number	:NA	<b>3)BODDEPALLI, JANARDHANA RAO</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to methods and compositions for genetic engineering. The invention relates to design of linker sequences for recombining DNA sequences, and the methods of using these linker sequences for making recombinant DNA constructs in a rapid, efficient and high-throughput manner. Linker sequences that can be used for making polynucleotide fusions and methods of using them are described.

No. of Pages : 84 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.708/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :01/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : RESOURCE ALLOCATION

(51) International classification :H04W 74/08

(31) Priority Document No :0714927.1

(32) Priority Date :01/08/2007

(33) Name of priority country :U.K.

(86) International Application No :PCT/

Filing Date EP2008/060179

:01/08/2008

(87) International Publication No :WO

2009/016260

(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)NOKIA SIEMENS NETWORKS OY**

Address of Applicant :OF KARAPORTTI 3, FIN - 02610

ESPOO, FINLAND, Finland

(72)Name of Inventor :

**1)BARRACLOUGH, KRISTAN**

**2)HAKOLA, SAMI**

**3)RANDALL, DAVID**

**4)WIMMER, MARKUS**

(57) Abstract :

Apparatus comprising a transmitter arranged to transmit an indicating acquisition indication channel signature wherein said indicating signature is used to indicate an enhanced dedicated channel resource to be used by a user equipment.

No. of Pages : 47 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.726/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :02/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : IMPACT ABSORPTION FACILITY FOR ROAD

(51) International classification :e01f  
(31) Priority Document No :10-2009-0010776  
(32) Priority Date :10/02/2009  
(33) Name of priority country :Republic of Korea  
(86) International Application No :PCT/KR2010/00217  
Filing Date :13/01/2010  
(87) International Publication No :NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)GEUM SUNG INDUSTRY CO., LTD.**  
Address of Applicant :75-12, YONGJEONG-DONG,  
NAMWON-SI, JEONBUK 590-180, Republic of Korea  
(72)**Name of Inventor :**  
**1)CHAE, JONG-SUL;**

(57) Abstract :

The impact absorption facility for road is disclosed, which makes it possible to protect a road center, a road side, a road ramp, an entering side of a tunnel or an underground road, pillars, faith silk or others and to absorb the impact of vehicle collided and to decelerate during a collision by decreasing the impacts occurring due to the impact of a vehicle by installing the impact absorption facility even in a highway ramp, and it is possible to prevent a vehicle from entering an opposite road lane or going out of a road for thereby allowing the vehicle to run on a normal road and to return to a road. A traffic accident can be effectively prevented with the help of a lighting lamp or a reflection lamp when a vehicle approaches the impact absorption facility when a driver drives at night with sleepiness.

No. of Pages : 150 No. of Claims : 61

(12) PATENT APPLICATION PUBLICATION

(21) Application No.746/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :02/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : D4 DESATURASES AND D5 ELONGASES

(51) International classification	:C12N 9/10
(31) Priority Document No	:60/949,730
(32) Priority Date	:13/07/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2007/004553
Filing Date	:31/10/2007
(87) International Publication No	:WO 2009/010825
(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)OCEAN NUTRITION CANADA, LTD.**

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DARTMOUTH, NOVA SCOTIA B2Y 4T6 Canada

(72)Name of Inventor :

**1)BURJA ADAM M.**

**2)GIROUARD GABRIELLE**

**3)RADIANTINGTYAS HELIA**

(57) Abstract :

Disclosed are methods and compositions related to ONC-T18, D4-desaturases, D5 elongases, their isolation, characterization, production, identification, and use for fatty acid production, as well as organisms containing these compositions and organisms expressing them.

No. of Pages : 76 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.899/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : HIGHLY-VERSATILE VARIABLE-ANGLE BONE PLATE SYSTEM

(51) International classification :A61B 17/80

(31) Priority Document No :60/955,506

(32) Priority Date :13/08/2007

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2008/072894

Filing Date :12/08/2008

(87) International Publication No :WO 2009/023666

(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)SYNTHES GMBH**

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OBERDORF, Switzerland

(72)Name of Inventor :

**1)JASON S. CHAN**

**2)ALBERTO A. FERNANDEZ DELL'OCA**

(57) Abstract :

A bone plate system for internal fixation of bone fractures includes a bone plate having a plurality of bone plate holes. The holes are constructed to receive either a non-locking, locking, or variable angle locking bone screw. The holes have discrete columns of thread segments arranged around the inner surface of the hole for engaging threads on the heads of locking and variable angle locking bone screws. Conventional locking bone screws engage the bone plate coaxially with the central axis of the bone plate hole. Variable angle locking bone screws can engage the bone plate at a selectable angle within a range of angles relative to the bone plate. The head of the variable angle locking screw is at least partially spherical, and the thread thereon has a profile that follows the arc-shaped radius of curvature of the spherical portion of the screw head.

No. of Pages : 72 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.221/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :31/01/2011

(43) Publication Date : 23/08/2013

(54) Title of the invention : INSTRUMENT PANEL•

(51) International classification

:B62D

(31) Priority Document No

:2010-

022096

(32) Priority Date

:03/02/2010

(33) Name of priority country

:Japan

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)SUZUKI MOTOR CORPORATION**

Address of Applicant :300 Takatsuka-cho Minami-ku  
Hamamatsu-shi Shizuoka-ken Japan

(72)Name of Inventor :

**1)Akinori ISHIKAWA**

(57) Abstract :

An instrument panel 1 has a garnish 3 with an air blowing-out device 10 is attached to an instrument panel body 2. An opening 13 is formed in the front surface of the instrument panel body 2 facing a passenger seat. A concave part 20 is formed in the instrument panel body 2. An inner wall 20N of the concave part 20 is fixed to a steering support member 17. Either one of a design cover 30 and a storage box 40 is mounted selectively in the concave part 20. Abutting end parts 30T and 8T of the design cover 30 and the garnish 3 or abutting end parts 40T and 8T of the storage box 40 and the garnish 3 are locked to each other.

No. of Pages : 33 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.700/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :01/02/2010

(43) Publication Date : 23/08/2013

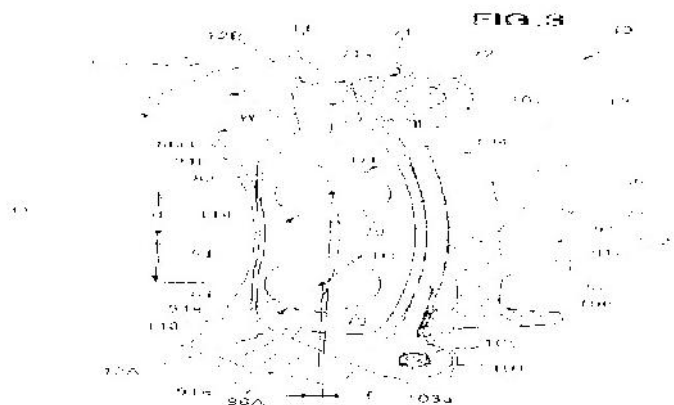
(54) Title of the invention : VEHICLE DISC BRAKE DEVICE

(51) International classification :F16D 55/226  
(31) Priority Document No :2007-189349  
(32) Priority Date :20/07/2007  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2008/062658  
Filing Date :08/07/2008  
(87) International Publication No :WO 2009/14022  
(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)HONDA MOTOR CO., LTD.**  
Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME,  
MINATO-KU, TOKYO 107-8556, Japan  
(72)Name of Inventor :  
**1)SATOSHI SAITO**  
**2)KEISHIN TANAKA**  
**3)MANABU AIBA**  
**4)MASANOBU NAKAYAMA**  
**5)YUKIMASA NISHIMOTO**

(57) Abstract :

A disc brake device in which uneven wear on the brake pads (86, 86) is prevented. Each brake pad has a set pin hole (103a) at one end in which a set pin (1&thetav;l) is fitted, and a torque-receiving component (104) for receiving braking torque in the other end. The pistons for pressing the brake pads are composed of first and second pistons (81, 82). The center (113) of the first piston near the set pin is located further inside from the middle of the sliding range of the brake pads, and the distance from the set pin is extended, the second piston has a center located toward the torque-receiving component, farther than the first piston from the set pin, and in the middle of the sliding range of the disc rotor.



No. of Pages : 28 No. of Claims : 6



(54) Title of the invention : SEMANTIC REPRESENTATION MODULE OF A MACHINE-LEARNING ENGINE IN A VIDEO ANALYSIS SYSTEM

(51) International classification :G06K 9/62  
 (31) Priority Document No :60/949,107  
 (32) Priority Date :11/07/2007  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/US2008/069694  
 Filing Date :10/07/2008  
 (87) International Publication No :WO 2009/009692  
 (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)BEHAVIORAL RECOGNITION SYSTEMS, INC.**

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## (72)Name of Inventor :

**1)EATON, JOHN, ERIC**

**2)COBB WESLEY, KENNETH**

**3)URECH, DENNIS, G.**

**4)FRIENDLANDER, DAVID, S.**

**5)XU, GANG**

**6)SEOW, MING-JUNG**

**7)RISINGER, LON, W.**

**8)SOLUM, DAVID, M.**

**9)YANG, TAO**

**10)GOTTUMUKKAL, RAJKIRAN, K.**

**11)SAITWAL, KISHOR, ADINATH**

## (57) Abstract :

A machine-learning engine is disclosed that is configured to recognize and learn behaviors, as well as to identify and distinguish between normal and abnormal behavior within a scene, by analyzing movements and/or activities (or absence of such) over time. The machine-learning engine may be configured to evaluate a sequence of primitive events and associated kinematic data generated for an object depicted in a sequence of video frames and a related vector representation. The vector representation is generated from a primitive event symbol stream and a phase space symbol stream, and the streams describe actions of the objects depicted in the sequence of video frames.

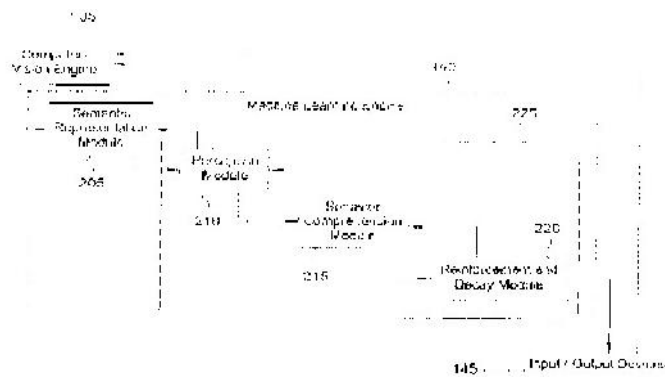


FIG. 2

No. of Pages : 49 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7397/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :14/11/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : CONVERSION OF CARBON DIOXIDE TO METHANOL USING BI-REFORMING OF METHANE OR NATURAL GAS•

(51) International classification	:c01b
(31) Priority Document No	:60/945,501
(32) Priority Date	:21/06/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2008/067462
Filing Date	:19/06/2008
(87) 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)UNIVERSITY OF SOUTHERN CALIFORNIA**  
Address of Applicant :3716 South Hope Street Suite 313 Los Angeles CA 90007-4344 U.S.A.  
(72)**Name of Inventor :**  
**1)OLAH George A.**  
**2)PRAKASH G. K. Surya**

(57) Abstract :

The invention provides for \ a method of forming methanol by combining a mixture of methane, water and carbon dioxide under reaction conditions sufficient to form a mixture of hydrogen and carbon monoxide. Hydrogen and carbon monoxide are reacted under conditions sufficient to form methanol. The molar ratio of hydrogen to carbon monoxide is at least two moles of hydrogen to one mole of carbon monoxide and the overall molar ratio between methane, water and carbon dioxide is about 3:2:1. Methane, carbon dioxide and water are bi-reformed over a catalyst. The catalyst includes a single metal, a metal oxide, a mixed catalyst of a metal and a metal oxide or a mixed catalyst of at least two metal oxides.

No. of Pages : 26 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.897/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : PROCESS FOR SYNTHESIS OF INHIBITORS OF E1 ACTIVATING ENZYMES

(51) International classification :C07D 487/04  
(31) Priority Document No :60/963,008  
(32) Priority Date :02/08/2007  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2008/009338  
Filing Date :01/08/2008  
(87) International Publication No :WO 2009/042013  
(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)MILLENNIUM PHARMACEUTICALS, INC.**  
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(72)Name of Inventor :  
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**2)ERIC L. ELLIOT**  
**3)MARIANNE LANGSTON**  
**4)STEVEN P. LANGSTON**  
**5)QUETIN J. MCCUBBIN**  
**6)HIROTAKE MIZUTANI**  
**7)MATTHEW STIRLING**  
**8)LEI ZHU**

(57) Abstract :

The present invention provides processes and synthetic intermediates for the synthesis of 4-substituted ((1S, 2S, 4R)-2-hydroxy-4-{7H-pyrrolo[2,3-d]pyrimidin-7-yl}cyclopentyl)methyl sulfamates, which are E1 activating enzyme inhibitors, and are useful for the treatment of disorders of cell proliferation, particularly cancer, and other disorders associated with E1 activity.

No. of Pages : 96 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.380/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :20/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : CABLE CONNECTOR GRASPING APPARATUS

(51) International classification	:B29C
(31) Priority Document No	:09153555.9
(32) Priority Date	:25/02/2009
(33) Name of priority country	:EPO
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
**1)Research In Motion Limited**  
Address of Applicant :295 Phillip Street Waterloo Ontarion  
N2L 3W8 Canada  
(72)**Name of Inventor :**  
**1)HAMILTON Jason**

(57) Abstract :

There is disclosed an apparatus for grasping a cable connector. In an embodiment, the apparatus has a generally elongate body; an anvil face positioned at a first end of the generally elongate body; a cable connector grasping tip positioned at the first end of the generally elongate body, the cable connector grasping tip adapted to be positionable into an extended position and a retracted position relative to the anvil face; biasing means adapted to urge the cable connector grasping tip into the retracted position; and a pad positioned at a second end of the generally elongate body, the pad adapted to be depressible against the biasing means to urge the cable connector grasping tip into the extended position,

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.660/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :29/01/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : SYSTEM AND APPARATUS FOR PROCESSING FLUID SAMPLES

(51) International classification	:B01D 15/12
(31) Priority Document No	:60/963,015
(32) Priority Date	:02/08/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US08/008838
Filing Date	:18/07/2008
(87) International Publication No	:WO 2009/017614
(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)MILLIPORE CORPORATION**

Address of Applicant :290 CONCORD, ROAD, BILLERICA, MASSACHUSETTS 01821, U.S.A.

(72)Name of Inventor :

**1)ERIC RUDOLPH**

(57) Abstract :

A system and apparatus (10) is provided for processing fluid reagents (12, 14, 16, 18) comprising disposable fluid conduits and a reusable conduit support system (20). The fluid conduits are connected to at least one source of fluid and to at least one unit operation (22) such as filtration.

No. of Pages : 12 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.693/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :01/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : ELECTROCHEMICAL CELL WITH IMPROVED INTERNAL CONTACT

(51) International classification :H01M 2/22

(31) Priority Document No :11/903,491

(32) Priority Date :21/09/2007

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2008/010791

Filing Date :16/09/2008

(87) International Publication No :WO 2009/038705

(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)EVEREADY BATTERY COMPANY, INC.**

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DRIVE, ST. LOUIS, MO 63141 U.S.A.

(72)Name of Inventor :

**1)KAPLIN DAVID A.**

(57) Abstract :

Electrochemical battery cells with strip-like electrodes and having a pressure contact between a lead from one of the electrodes and a side wall of the cell container. An electrochemical cell having a spiral wound electrode assembly having an internal lead in direct pressure contact with a lithium foil negative electrode free of a separate current collector and in contact with an inner portion of the cell container, wherein specified contact between the lead and lithium foil provides current flow between the container and foil.

No. of Pages : 55 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.728/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :04/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHOD OF CONTROLLING COMPUTER PROGRAM AND SEARCHING FOLD AND FILE USING OBJECT-ORIENTED BUTTON, CONTROL AND PRESENTATION SYSTEM USING THE SAME AND REMOTE CONTROLLER USING THE SAME

(51) International classification	:g06q	(71)Name of Applicant :
(31) Priority Document No	:10-2007-0067557	<b>1)KO Yun-Yong</b>
(32) Priority Date	:05/07/2007	Address of Applicant :Chomdan Doosan 1 Cha Apt. 119-301
(33) Name of priority country	:Republic of Korea	Wolgye-dong 764-4 Gwangsang-gu Gwangju 506-770 Republic
(86) International Application No	:PCT/KR2008/003889	of Korea
Filing Date	:02/07/2008	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)KO Yun-Yong</b>
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention is to provide a method of controlling a program executed on a computer using a remote control apparatus and a method of searching a folder or a file using the method of controlling the program. The method of controlling the program according to the present invention includes defining a plurality of object linking button groups in the remote control, each having an identification mark; arranging a plurality of objects each having the same identification mark as one of the plurality of object linking button groups, wherein each of the objects has a text or an image each including an execution information or a data content;

No. of Pages : 45 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8244/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :16/12/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : TRANSDERMAL DELIVERY DEVICES ASSURING AN IMPROVED RELEASE OF AN ACTIVE PRINCIPLE THROUGH A BIOLOGICAL INTERFACE

(51) International classification :A61k  
(31) Priority Document No :60/938,961  
(32) Priority Date :18/05/2007  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2008/063979  
Filing Date :16/05/2008  
(87) 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)TTI ELLEBEAU INC.**  
Address of Applicant :Shinkan Building 4-8-8 Higashi  
Shinagawa Shinagawa-ku Tokyo 140-0002 Japan  
(72)**Name of Inventor :**  
**1)KOMINAMI CHIZUKO**  
**2)ISHIKAWA Izumi**  
**3)ISHIDA Mayuko**  
**4)NOMOTO Youhei**  
**5)SAITO Akiyoshi**  
**6)KANAMURA Kiyoshi**

(57) Abstract :

A transdermal drug delivery system is provided for passive transdermal delivery of one or more ionizable active agents to a biological interface of a subject. A transdermal drug delivery system includes a backing substrate, and an active agent layer. The active layer includes a thickening agent, a plasticizer, and a therapeutically effective amount of an ionizable active agent.

No. of Pages : 88 No. of Claims : 27



(12) PATENT APPLICATION PUBLICATION

(21) Application No.904/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : COSMETIC COMPOSITION CONTAINING SILOXANE-BASED POLYAMIDES

(51) International classification :c08l  
(31) Priority Document No :08/904,709  
(32) Priority Date :22/08/1997  
(33) Name of priority country :U.S.A.  
(86) International Application No :NA  
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 :2234/DEL/2005  
Filed on :19/08/2005

**(71)Name of Applicant :**

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**(72)Name of Inventor :**

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**11)PAUL JOSEPH VINCENTI**

**12)CHING-MIN KIMMY WU**

**13)KENNETH EWARD ZIMMERMAN**

**14)DENNIS J. COLWELL**

**(57) Abstract :**

A base composition made by combining: (a) 0.5 - 80 percent by weight based on the total weight of the composition of at least one siloxane - based polyamide; (b) 5-95 percent by weight silicone fluid; and (c) if (a) + (b) do not equal 100 percent, then a portion of solvent sufficient to make 100 percent wherein the solvent is selected from the group consisting of solvents.

No. of Pages : 57 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.665/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :29/01/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : RADIOPHARMACEUTICAL COMPOSITION

(51) International classification :A61K 51/00  
(31) Priority Document No :60/968,904  
(32) Priority Date :30/08/2007  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/EP2008/061275  
Filing Date :28/08/2008  
(87) International Publication No :WO 2009/027452  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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CHALFONT, BUCKINGHAMSHIRE HP7 9NA, GREAT  
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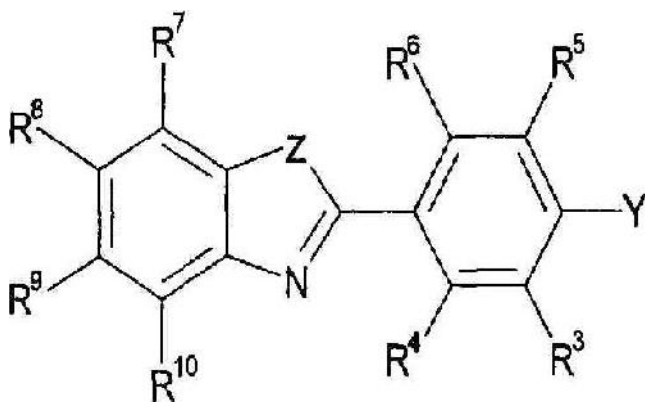
(72)Name of Inventor :

**1)LINE ROED**

**2)SARAH ELIZABETH PETERSON**

(57) Abstract :

The present invention relates to radiopharmaceuticals and in particular to a radiopharmaceutical composition comprising a compound of Formula I: and polysorbate as an excipient. The radiopharmaceutical composition of the invention reduces problems encountered with prior art compositions comprising the same class of compounds. Also provided by the invention is a method for the preparation of the radiopharmaceutical composition of the invention as well as particular uses of the radiopharmaceutical composition.



No. of Pages : 34 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.698/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :01/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : PROCESSES OF PRODUCING ALCOHOLS

(51) International classification :C12P 7/14  
(31) Priority Document No :556615  
(32) Priority Date :15/08/2007  
(33) Name of priority country :New Zealand  
(86) International Application No :PCT/NZ2008/00213  
Filing Date :15/08/2008  
(87) International Publication No :WO 2009/022925  
(61) Patent of Addition 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)SIMPSON, SEAN,M DENNIS**  
**2)FORSTER, RICHARD, LLEWELLYN, SYDNEY**  
**3)TRAN, PHUONG, LOAN**  
**4)CONOLLY, JOSHUA, JEREMY**  
**5)ROWE, MATTHEW, JAMES**

(57) Abstract :

Methods for increasing the efficiency of processes of producing products by microbial fermentation are described including methods wherein pH and/or redox potential are measured and controlled.

No. of Pages : 48 No. of Claims : 22

(54) Title of the invention : DEVICE AND METHOD FOR MAGNETICALLY TRANSFERRING INDICIA TO A COATING COMPOSITION APPLIED TO A SUBSTRATE

(51) International classification :B41M 5/00  
 (31) Priority Document No :07107966.9  
 (32) Priority Date :10/05/2007  
 (33) Name of priority country :EPO  
 (86) International Application No :PCT/IB2008/051784  
 Filing Date :07/05/2008  
 (87) International Publication No :WO 2008/139373  
 (61) Patent of Addition 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)GYGI, MATTHIAS****2)WURSCH, ALAIN****3)MEICHTRY, FABIENNE****4)JUFER, ALAIN**

## (57) Abstract :

There is described a device (10) and method for magnetically transferring indicia to a coating composition (P), such as an ink or varnish, applied to at least a part of the surface of a substrate (S), the coating composition (P) comprising at least one type of magnetic or magnetizable particles. The device (10) comprises a body (20) subjected to a magnetic field generated by appropriate electromagnetic means, which body (20) carries determined indicia in the form of engravings (21 a, 21 b, 21 c; 211, 212) on a surface of the body (20), which engravings (21 a, 21 b, 21 c; 211, 212) influence orientation of field lines of the magnetic field. The body (20) comprises at least one layer (21 ) of material of high magnetic permeability in which the engravings (21 a, 21 b, 21 c; 211, 212) are formed. In unengraved regions of the layer (21 ) of material of high magnetic permeability, the field lines of the magnetic field extend substantially parallel to the surface of the body (20) inside said layer (21 ) of material of high magnetic permeability.

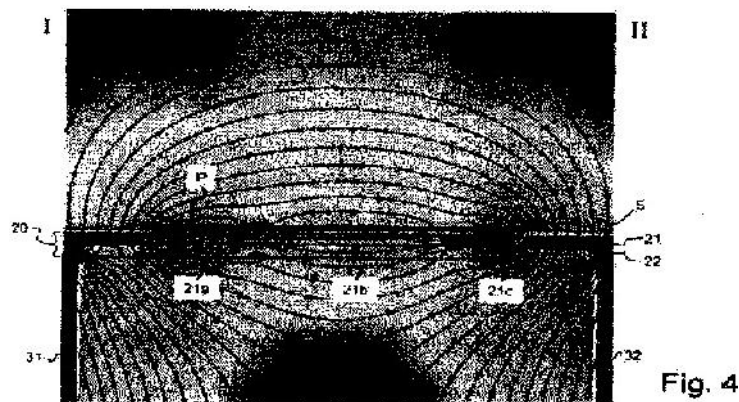


Fig. 4

No. of Pages : 48 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8321/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :19/12/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : USE OF LIGNAN COMPOUND FOR ANTI-WRINKLE TREATMENT

(51) International classification :c07c  
(31) Priority Document No :10-2007-0060178  
(32) Priority Date :20/06/2007  
(33) Name of priority country :Republic of Korea  
(86) International Application No :PCT/KR2008/003547  
Filing Date :20/06/2008  
(87) International Publication No : NA  
(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)HWANG Jae-Kwan**  
(72)Name of Inventor :  
**1)HWANG Jae-Kwan**  
**2)LEE Hae Ji**  
**3)LEE Jae Young**  
**4)SHIM Jae-Seok**  
**5)KIM Jeong Hwan**

(57) Abstract :

The present invention relates to a novel use of lignan compounds, which are isolated and purified from nutmeg or the aril of nutmeg for anti-wrinkle, and more particularly, the present invention relates to a novel use for anti-wrinkle of an extract of the nutmeg or an extract of the aril of the nutmeg, fragrin A, austobailignan 7, licarin E, and macelignan. The extracts and lignan compounds of the present invention have activities in suppressing collagen degradation enzyme-1(MMP-1, matrix metalloproteinase-1) and formation of new collagen(type-1 procollagen), thereby having effect on inhibitng wrinkle caused by photoaging. Accordingly, the extracts and lignan compounds of the present invention may be useful for preventing or treating wrinkle caused by photoaging.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.919/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : SYSTEM AND METHODS FOR CONTINUOUS, MONITORING OF A CHEMICAL PLANT OF REFINERY

(51) International classification	:G05B 23/02
(31) Priority Document No	:60/955,727
(32) Priority Date	:14/08/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2008/072868
Filing Date	:12/08/2008
(87) International Publication No	:WO 2009/023659
(61) Patent of Addition 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)KOZUB DERRICK J.**

**3)THEOBALD EUGENE HARRY**

**4)WELLS GARY JAMES JR**

**5)WISE GERALD LYNN**

(57) Abstract :

A near real-time system and method for continuous online monitoring of a plurality of operations in a continuous chemical process facility is described. The method of monitoring the operations is based on a multivariate statistical model developed using off-line, selected process-specific historical process data. Such a model is used by an online monitoring system to monitor the continual operation of a chemical manufacturing facility or refinery in real-time from a remote location. Such real-time monitoring allows for determination of whether one or more of the plurality of operations are operating within their normal operational parameters. This real-time, continuous monitoring system can further be used to predict impending failures or trouble-spots within the continuous production process, or to minimize catastrophic process failures which may occur in a continuous chemical manufacturing process. Process variables, or tags, that are most likely related to predicted process failures can be identified by the model system, such that appropriate control actions can be taken to prevent an actual process failure occurrence, which can lead to costly production down times.

No. of Pages : 41 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2170/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :20/10/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : PROSTHETIC VALVE FOR INTRALUMINAL IMPLANTATION

(51) International classification

:A61F

(31) Priority Document No

:12/330,039

(32) Priority Date

:08/12/2008

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)HECTOR DENIEL BARONE**

Address of Applicant :MAZA 1948, BUENOS AIRES,  
ARGENTINA Argentina

(72)Name of Inventor :

**1)HECTOR DENIEL BARONE**

(57) Abstract :

A prosthetic valve assembly configured to be intraluminally implanted into a lumen of a patient to replace a native deficient valve, the valve assembly comprising an outer support for expanding and anchoring against a lumen wall of the patient, a core valve support made of a collapsible and self-expanding material to expand and anchor into the outer support once anchored against the lumen wall, and a plurality of flexible leaflets fixed to the core valve support in a manner that the leaflets are independent from the outer support.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.23/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :05/01/2011

(43) Publication Date : 23/08/2013

(54) Title of the invention : SYSTEM AND METHOD FOR INTELLECTUAL PROPERTY PROSECUTION MANAGEMENT

(51) International classification	:g06q	(71)Name of Applicant :
(31) Priority Document No	:NA	1)EVALUESERVE LTD.
(32) Priority Date	:NA	Address of Applicant :BERMUDA AT CANON'S COURT,
(33) Name of priority country	:NA	22 VICTORIA STREET, HAMILTON, Bermuda
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SAVI GUPTA
(87) International Publication No	:NA	2)BALWANT RAWAT
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system is provided for Intellectual Property (IP) prosecution management. The system includes a workflow engine that is configured to provide access to one or more IP documents stored in a database by one or more users. The workflow engine is configured to facilitate online IP prosecution support based on the access of the one or more IP documents.

No. of Pages : 38 No. of Claims : 25



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2443/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :13/10/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : AN IMPROVED LINK ASSEMBLY STEERING.

(51) International classification

:B62D

(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)MANOJ RANJAN JHA**

(57) Abstract :

This invention relates to an improved link assembly steering comprising of a spherical ball inside the arm in place of the known ball and socket joint so as to allow the movement all round, which joins at tie rod.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2839/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :30/11/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : AN ANTI-BACTERIAL HERBAL COMPOSITION FOR ANIMALS.

(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

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(72)Name of Inventor :

**1)ASHOK KUMAR**

**2)DEEPAK KUMAR DWIVEDI**

**3)VIVEK KUMAR GUPTA**

**4)V. S. VIHAN**

**5)DEVENDRA SWARUP**

(57) Abstract :

This invention is an anti-bacterial extract based herbal preparation that features synergistic mode of interaction between two different extracts. The composition intends for its use in animal care, especially in goats to combat bacterial infections. This formulation comprises the aqueous extract of Punica granatum (Anar) bark and ethyl methyl ketone extract of Catharanthus roseus (Sadabahar) leaves in a definite proportion to give a minimum effective concentration of 1.0 mg/ml of solvent This concentration was found to be capable of inhibiting a  $1 \times 10^8$  CFU/ml bacterial population of MDR (multi-drug resistant) E. coli and S. aureus isolates of goat and reference strains , as evaluated by disc susceptibility and broth dilution methods. The preparation is strongly synergistic possessing the Mean FE Indices  $\pm$  SE of  $0.96 \pm 0$  for E. coli and S. aureus isolates. Paired t-test analysis resulted in the t-value of 0.00 which implies the broad-spectrum anti-bacterial effect.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.722/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :04/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : PROTECTIVE OXIDE COATINGS FOR SOFC INTERCONNECTIONS•

(51) International classification :c23c  
(31) Priority Document No :60/963,042  
(32) Priority Date :02/08/2007  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2008/009372  
Filing Date :04/08/2008  
(87) International Publication No : NA  
(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)PAL Uday B.**  
**3)BASU Soumendra N.**  
**4)HUANG Wenhua**

(57) Abstract :

A dense and well adhered spinel coating such as CuMn1.8O4, when deposited on a stainless steel substrate by electrophoretic deposition, significantly reduces the oxidation rate of the steel compared to the uncoated steel at elevated temperature. The protective oxide spinel coating is useful for preparing solid oxide fuel cell interconnects having long term stability at 800°C.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.921/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : EQUIPMENT OF CONTINUING PNEUMATIC ELECTRIC IMPULSE

(51) International classification :H02K 53/00  
(31) Priority Document No :MU8701775-0  
(32) Priority Date :23/08/2007  
(33) Name of priority country :Brazil  
(86) International Application No :PCT/BR2008/000252  
Filing Date :22/08/2008  
(87) International Publication No :WO 2008/023944  
(61) Patent of Addition 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)VOLPE FILHO, MARCOS**

(57) Abstract :

Patent of utility model for an EQUIPMENT OF CONTINUING PNEUMATIC ELECTRIC IMPULSE composed of vacuum chamber with metallic oval structure 1, where two generators 10 and 11 are coupled and fastened, through the axle 9 regarding the generator 10, with electric exciter 14 and pneumatic piston 19 that commands the equipment start-up; through generator 11 with electric exciter 15, feeding an electric motor 12 with pneumatic command 20 and field coil 22 performing electric disconnection of the motor set and generator 18, providing absolute vacuum 13, giving command in pneumatic piston 19 and electric motor 12, generating electric power. Through the electric-magnetic coupling 5, (Fig. 2) the vacuum pump 3 is located producing vacuum as in the first stage of the pneumatic turbine 2 with second stage in the turbine 6 generating high pressure for start-up, and turbocompressor of compressed air 4, feeding the reservoir of the tubular structure 7 with fastening bracket 17 and relief valve with calibration spout 16 and transportation handle dovetail 8.

No. of Pages : 12 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.721/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :01/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : IMPROVED BIOMASS PRETREATMENT

(51) International classification	:C12P 7/06
(31) Priority Document No	:11/843,157
(32) Priority Date	:22/08/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2008/073420
Filing Date	:18/08/2008
(87) International Publication No	:WO 2009/045654
(61) Patent of Addition 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 :1007 MARKET STREET,  
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**2)FRIEND, JULIE**  
**3)ELANDER, RICHARD, T.**  
**4)TUCKER III, MELVIN, P.**

(57) Abstract :

A method is provided for producing an improved pretreated biomass product for use in saccharification followed by fermentation to produce a target chemical that includes removal of saccharification and or fermentation inhibitors from the pretreated biomass product. Specifically, the pretreated biomass product derived from using the present method has fewer inhibitors of saccharification and/or fermentation without a loss in sugar content.

No. of Pages : 39 No. of Claims : 29

(54) Title of the invention : METHOD FOR PRODUCING FLUORINATED ORGANIC COMPOUNDS

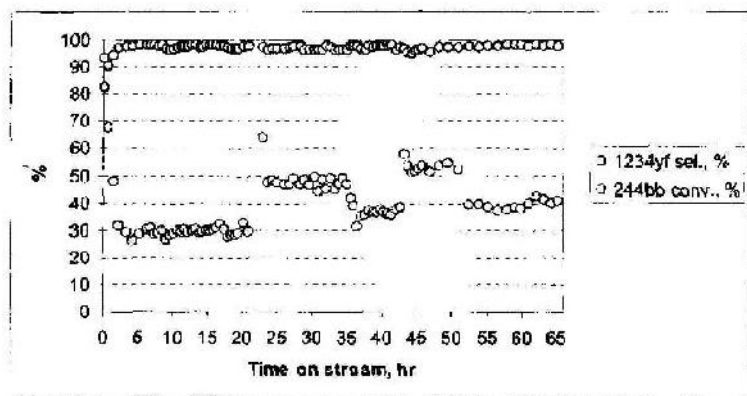
(51) International classification :C07C 17/20  
 (31) Priority Document No :60/953,528  
 (32) Priority Date :02/08/2007  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/US08/072054  
 Filing Date :04/08/2008  
 (87) International Publication No :WO 2009/018561  
 (61) Patent of Addition 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)ROBERT C. JOHNSON**  
**2)HSUEH SUNG TUNG**  
**3)DANIEL C. MERKEL**

(57) Abstract :

Disclosed are processes for the production of fluorinated olefins, preferably adapted to commercialization of CF<sub>3</sub>CF=CH<sub>2</sub> (1234yf)-In certain preferred embodiments the processes comprise first exposing a compound of Formula (IA) C(X)<sub>2</sub>=CC1C(X)<sub>3</sub> (IA) where each X is independently F, Cl or H, preferably CC12=CC1CH<sub>2</sub>C1, to one or more sets of reaction conditions, but preferably a substantially single set of reaction conditions, effective to produce at least one chlorofluoropropane, preferably in accordance with Formula (IB): CF<sub>3</sub>CC1XC(X)<sub>3</sub> Formula (IB) where each X is independently F, Cl or H, and then exposing the compound of Formula (IB) to one or more sets of reaction conditions, but preferably a substantially single set of reaction conditions, effective to produce a compound of Formula (II) CF<sub>3</sub>CF=CHZ (II) where Z is H, F, Cl, I or Br.

FIGURE 1



No. of Pages : 26 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.901/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : MULTI COMPONENT PARTICLE GENERATING SYSTEM

(51) International classification :B01J 2/00  
(31) Priority Document No :07112887.0  
(32) Priority Date :20/07/2007  
(33) Name of priority country :EUROPEAN UNION  
(86) International Application No :PCT/NL2008/050456  
Filing Date :07/07/2008  
(87) International Publication No :WO 2009/014432  
(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)ANDRIES RIJFERS**  
**3)LEONARDUS ANTONIUS MARIA BROUWERS**  
**4)JACOBUS EVERSDIJK**  
**5)KJELD JACOBUS CORNELIS VAN BOMMEL**

(57) Abstract :

The invention also relates to a method of generating a multicomponent particle comprising: and a multicomponent particle generating system comprising: a first nozzle constructed to generate at least one isolated particle; a second nozzle arranged to generate a generally uninterrupted fluid jet without breaking up; said first and second nozzles arranged to have said isolated particle collide with the fluid jet so as to combine said particle with fluid of the second fluid jet, for providing a multicomponent particle, and a collector by which said isolated particles can be captured after collision with the fluid jet. The invention in addition involves a plurality of novel applications using multicomponent particles.

No. of Pages : 29 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.918/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHOD FOR MEASURING THE PERFORMANCE OF A TARGET SERVER HOUSING A DYNAMIC MONITORING TOOL

(51) International classification	:G06F 11/34
(31) Priority Document No	:0756501
(32) Priority Date	:13/07/2007
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2008/051325
Filing Date	:11/07/2008
(87) International Publication No	:WO 2009/013429
(61) Patent of Addition 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)BOUCHEX BELLOMIE SEBASTIEN**

(57) Abstract :

The invention relates to a method for measuring the performance of at least one target server housing a dynamic tracking tool which may be controlled by scripts, said dynamic tracking tool comprising predefined probes for acquiring data relating to the behaviour of an operating system and applications of said target server. Said method comprises the following steps from a remote operating server: the dynamic tracking tool within the target server is accessed via a communication network, at least one script is downloaded before execution by the dynamic tracking tool and at given times the target server is automatically accessed in order to recover the performance data resulting from the execution of said script by the dynamic tracking tool.

No. of Pages : 14 No. of Claims : 10



(12) PATENT APPLICATION PUBLICATION

(21) Application No.961/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :11/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : A wind turbine, a method for compensating for disparities in a wind turbine rotor blade pitch system and use of a method

(51) International classification	:f03d
(31) Priority Document No	:PA 2007 01048
(32) Priority Date	:14/07/2007
(33) Name of priority country	:Denmark
(86) International Application No	:PCT/DK2008/000263
Filing Date	:11/07/2008
(87) 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)Vestas Wind Systems A/S**  
Address of Applicant :Alsvej 21 DK-8940 Randers SV  
Denmark  
(72)**Name of Inventor :**  
**1)Christensen Poul Brandt**

(57) Abstract :

The invention relates to a wind turbine comprising a rotor including one or more rotor blades, a pitch system for controlling the pitch angle of said one or more rotor blades, said pitch system comprises at least one pitch actuator, a pitch controller for generating pitch actuator control signals and sensor elements for establishing values of pitch performance parameters, and a compensation controller to compensate for disparities between said pitch actuator control signals and said values of pitch performance parameters, according to a control algorithm. The the compensation controller is arranged to adjust parameters of the control algorithm of said compensation controller in dependency of said disparities. Furthermore the invention relates to a method for compensating for disparities in a wind turbine rotor blade pitch system and use of a method.

No. of Pages : 24 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.917/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHOD AND SYSTEM FOR DISCOVERING THE TOPOLOGY OF THE COMMUNICATIONS BETWEEN APPLICATIONS OF A COMPUTER NETWORK

(51) International classification	:H04L 29/02
(31) Priority Document No	:0756500
(32) Priority Date	:13/07/2007
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2008/051324
Filing Date	:11/07/2008
(87) International Publication No	:WO 2009/013428
(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)INFOVISTA SA**

Address of Applicant :6, RUE DE LA TERRE DE FEU, F-91940 LES ULIS FRANCE.

(72)Name of Inventor :

**1)DONIN DE ROSIERE EMMANUEL**

(57) Abstract :

The invention relates to a method for discovering the layout of communications between applications in an information network comprising several pieces of equipment, said method comprising the following steps: a) connection to each piece of equipment in the network, b) acquisition of raw data for each piece of equipment relating to the applications stored in said piece of equipment, c) acquisition of connection data for each piece of equipment relating to each live connection established by an application, d) determining communication paths from the raw and connection data between the respective pairs of applications in said network and e) generating a level 7 layout of said network from said communication paths.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.715/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :01/02/2010

(43) Publication Date : 23/08/2013

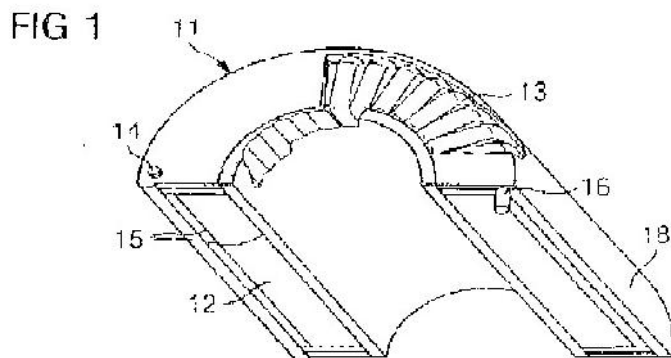
(54) Title of the invention : POWER SENSOR

(51) International classification :G01R 15/18  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/EP2007/007493  
Filing Date :27/08/2007  
(87) International Publication No :WO 2009/026945  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)SIEMENS AKTIENGESELLSCHAFT**  
Address of Applicant :WITTELSBACHERPLATZ 2, 80333  
MUNCHEN, Germany  
(72)Name of Inventor :  
**1)ZIMMERMANN; RUDOLF**

(57) Abstract :

The invention relates to a power sensor (20) for a current carrying conductor. Said sensor (20) comprises at least one ferromagnetic core (12, 22), a secondary winding (13, 23), and connecting elements (14, 24) for a load or a load (51). The secondary winding (13, 23) is designed as an injection molded part on an insulating layer (15) that is injection molded onto the ferromagnetic core (12, 22).  
Fig. 1



No. of Pages : 12 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.749/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :02/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHOD OF DYNAMIC MILKING

(51) International classification	:A01J 5/08
(31) Priority Document No	:11/825,353
(32) Priority Date	:07/07/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2008/008095
Filing Date	:27/06/2008
(87) International Publication No	:WO 2009/008969
(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)RELIN, ARKADI**

Address of Applicant :12 WOODBRIDGE PLACE,  
LANGHORNE, PA 19053, U.S.A.

(72)Name of Inventor :

**1)RELIN, ARKADI**

(57) Abstract :

In a method of dynamic milking, if performed a given modulating of values of airflow-forming pressures in a first working zone in a negative drive cycle and in a second working zone in a positive drive cycle of cyclic drive unit, for providing and energy-physiological optimization of given periodic dynamic in-phase vacuum and mechanical actions on a surface of milking teat in a two-chamber teat cap with a hermetic chamber connected with a source of a chamber pressure, whose movable part of a wall realizes the mechanical actions only on a lateral surface of the teat without interrupting of a spatial channel for movement of milking milk between an open output of the milking channel of the teat and a constantly open milk output of the teat cup during a dynamic milking process.

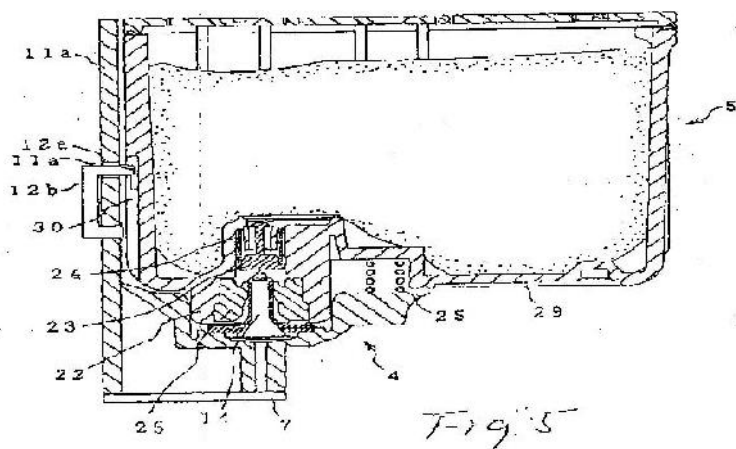
No. of Pages : 49 No. of Claims : 6

(54) Title of the invention : INKJET RECORDING APPARATUS AND INK CARTRIDGE

(51) International classification	:B41J 2/175	(71)Name of Applicant :
(31) Priority Document No	:2002- 175691	<b>1)SEIKO EPSON CORPORATION</b>
(32) Priority Date	:13/06/2003	Address of Applicant :4-1, NISHI-SHINJUKU-2-CHOME, SHINJUKU-KU, TOKYO 163-0811, Japan
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)KAZUMASA HARADA</b>
Filing Date	:NA	<b>2)KAZUHIRO HASHI</b>
(87) International Publication No	:NA	<b>3)ATSUHIKO TAKEUCHI</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

There is disclosed an ink cartridge capable of being removably held in an ink cartridge accommodation portion simply by pushing in the cartridge in an insertion direction. The ink cartridge (5) is mounted on a carriage (4) having a cartridge accommodation region. A one-push type fixing member (30) in a position facing a surface parallel to an insertion direction in which the cartridge is inserted into the cartridge accommodation region is engaged with a fixing protrusion (12a) forming another one-push type fixing member and cooperating with the first-mentioned one-push type fixing member, so that the cartridge (5) is held in a predetermined position in a state in which the cartridge is resiliently urged by a spring (24) in a direction opposite to the insertion direction,



No. of Pages : 29 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(21) Application No.911/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : SPINNING FRAME WITH A TANGENTIAL BELT DRIVING SYSTEM FOR SPINDLES

(51) International classification	:D01H 1/241
(31) Priority Document No	:PCT/IT2007/000681
(32) Priority Date	:29/08/2007
(33) Name of priority country	:Italy
(86) International Application No	:PCT/IB2008/053866
Filing Date	:23/09/2008
(87) International Publication No	:WO 2009/040734
(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)MARZOLI S.P.A.**

Address of Applicant :VIA S. ALBERTO, 10 I-25036

PALAZZOLO SULL'OGGIO, BRESCIA, Italy

(72)Name of Inventor :

**1)COSSANDI, SANTINO**

**2)MORETTI, GIUSEPPE**

(57) Abstract :

The present invention relates to a spinning frame with tangential movement system of the spindles (4a). The system provides spindle groups mechanically connected to one another for balancing the action of the motors (6) on the respective spindles and for which the belts (8,16) are unencumbered by structural obstacles, so as to facilitate their replacement.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.725/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :04/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : DIAGNOSIS, STAGING AND MONITORING OF INFLAMMATORY BOWEL DISEASE•

(51) International classification :A61K  
(31) Priority Document No :0701807-0  
(32) Priority Date :02/08/2007  
(33) Name of priority country :Sweden  
(86) International Application No :PCT/SE2008/000464  
Filing Date :29/07/2008  
(87) International Publication No : NA  
(61) Patent of Addition to Application :NA  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)ISS IMMUNE SYSTEM STIMULATION AB**  
Address of Applicant :c/o ITH Immune Therapy Holdings AB  
Avd L2:04 Karolinska University Hospital Solna SE-171 76  
STOCKHOLM Sweden  
(72)Name of Inventor :  
**1)TH-RN Magnus**  
**2)WINQVIST Ola**

(57) Abstract :

A method of differentiating between active and inactive IBD in a gastrointestinal mucosa sample or a sample from a sentinel lymph node draining gastrointestinal mucosa comprises preparing a suspension of single cells from the sample, analyzing the suspension for expression of the inflammation activation marker CD69 on CD4+ T helper cells using directly labelled fluorescent DC69 antibody; comparing the number of T helper cells expressing DC69 in the sample with that obtained from a corresponding sample of a healthy person, a significantly increased level of T helper cells expressingCDD69 signifying the presence of active IBD and a less than significantly increased level of T helper cells signifying the presence of inactive IBD. Also disclosed are methods of differentiating between ulcerative colitis (UC) and Crohns disease (CD), of detecting UC and CD, and of determining the susceptibility of an IBD patient to steroid treatment.

No. of Pages : 26 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.744/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :02/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHOD AND APPARATUS FOR STARTING A REFRIGERANT SYSTEM WITHOUT PREHEATING THE OIL

(51) International classification	:F25B 1/06
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/US2007/016945
Filing Date	:27/07/2007
(87) International Publication No	:WO 2009/017474
(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)UTC POWER CORPORATION**  
Address of Applicant :195 GOVERNORS HIGHWAY,  
SOUTH WINDSOR, CT 06074 U.S.A.  
(72)**Name of Inventor :**  
**1)MATTESON PETER S.**  
**2)BREEN SEAN P.**

(57) Abstract :

A rankine cycle system, which includes a turbine for driving a generator by way of a gearbox having an oil sump, is adapted to have the oil heated relatively quickly by causing a mixture of hot refrigerant gases from the evaporator and the oil from the low portion of the turbine to be mixed in an eductor and flow to the oil sump for heating the oil.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.IN/PCT/2001/00964/DEL A

(19) INDIA

(22) Date of filing of Application :19/10/2001

(43) Publication Date : 23/08/2013

(54) Title of the invention : A PROCESS FOR PREPARING 5-[4-[2-(N-METHYL-N-(2-PYRIDYL)AMINO)ETHOXY]BENZYL]THIAZOLIDINE-2,4-DIONE HYDROCHLORIDE MONOHYDRATE AND PRODUCT THEREOF

(51) International classification	:C07D 417/12
(31) Priority Document No	:9909075.5
(32) Priority Date	:20/04/1999
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB00/01527
Filing Date	:19/04/2000
(87) International Publication No	:WO 00/63206
(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)SMITHKLINE BEECHAM P.L.C.**  
Address of Applicant :NEW HORIZONS COURT,  
BRENTFORD, MIDDLESEX TW8 9EP, UNITED KINGDOM  
(72)**Name of Inventor :**  
**1)PAUL DAVID JAMES BLACKLER**  
**2)ANDREW SIMON CRAIG**  
**3)ROBERT GORDON GILES**  
**4)MICHAEL JOHN JOHN SASSE**

(57) Abstract :

A process for preparing 5-[4-[2-(N-methyl-N-(2-pyridyl)amino)ethoxy]benzyl]thiazolidine-2,4-dione hydrochloride monohydrate, wherein (a) a suspension of 5-[4-[2-(N-methyl-N-(2-pyridyl)amino)ethoxy]benzyl]thiazolidine-2,4-dione, Compound (I) is treated with a source of hydrochloride ions such as herein described in an aqueous organic solvent such as herein described at a temperature in the range of from 20°C to 30°C and an appropriate amount of water in the range of from 2 to 10%; (b) a solution of Compound (I) is treated with a source of hydrochloride ions in acetic acid as solvent; preferably crystallization is then induced to provide the Hydrochloride monohydrate; and thereafter the required compound is recovered.

No. of Pages : 13 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6072/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :22/09/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : HYDROXYALKYL STARCH DERIVATIVES•

(51) International classification	:c07c
(31) Priority Document No	:02020425.1
(32) Priority Date	:11/09/2002
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2003/008859
Filing Date	:08/08/2003
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:716/DELNP/2005
Filed on	:22/02/2005

(71)**Name of Applicant :**  
**1)FRESENIUS KABI DEUTSCHLAND GMBH**  
Address of Applicant :Kabi Strategic Business Center 61346  
Bad Homburg v.d.H. Germany  
(72)**Name of Inventor :**  
**1)ZANDER Norbert**  
**2)CONRADT Harald**  
**3)EICHNER Wolfram**

(57) Abstract :

The present invention relates to a method of producing a hydroxyalkyl starch derivative comprising reacting hydroxyalkyl starch of formula (I) at its reducing end which is not oxidized prior to said reaction, with a compound of formula (II) RNH-R (II) wherein R1-R2 and R3 are independently hydrogen or a linear or branched hydroxyalkyl group, and wherein either R or R or R and R comprise at least one functional group X capable of being reacted with at least one other compound prior to or after the reaction of (I) and (II), as well as to the hydroxyalkyl starch derivative as such, obtainable by said method, and to a pharmaceutical composition comprising said hydroxyalkyl starch derivative.

No. of Pages : 133 No. of Claims : 70

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6073/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :22/09/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : &quot;CLEANABLE HIGH EFFICIENCY FILTER MEDIA STRUCTURE AND APPLICATIONS FOR USE&quot;

(51) International classification :b01d  
(31) Priority Document No :60/479,693  
(32) Priority Date :19/06/2003  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2004/019143  
Filing Date :17/06/2004  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :285/DELNP/2006  
Filed on :16/01/2006

(71)Name of Applicant :  
**1)DONALDSON COMPANY INC.**  
Address of Applicant :1400 West 94th Street P.O. Box 1299  
Minneapolis MN 55440-1299 U.S.A.  
(72)Name of Inventor :  
**1)GRAHAM Kristine Marie**  
**2)GRAFE Timothy Harold**  
**3)GOGINS Mark Alan**

(57) Abstract :

Cartridge, typically in cylindrical or panel form that can be used in a dry or wet/dry vacuum cleaner. The cartridge is cleanable using a stream of service water, or by rapping on a solid object, or by using a compressed gas stream, but can provide exceptional filtering properties even for submicron particulate in the household or industrial environment. The cartridge has a combination of nanofiber filtration layer on a substrate.....

No. of Pages : 113 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.739/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :02/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHODS FOR TREATING ANXIETY

(51) International classification :A61K 31/40

(31) Priority Document No :60/950,144

(32) Priority Date :17/07/2007

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2008/069428

Filing Date :08/07/2008

(87) International Publication No :WO 2009/012082

(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)ALLERGAN INC.**

Address of Applicant :2525 DUPONT DRIVE, T2-7H,  
IRVINE, CA 92612, U.S.A.

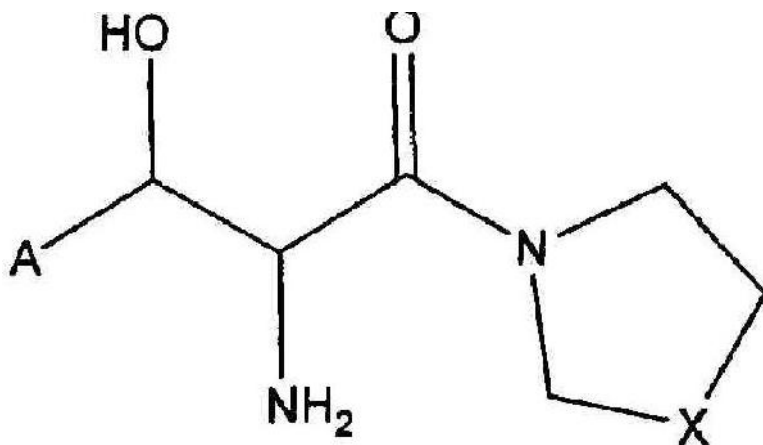
(72)Name of Inventor :

**1)JOHN E. DONELLO**

**2)LAUREN M. B. LUHRS**

(57) Abstract :

Disclosed are methods of treating anxiety by administering to a patient in need of such treatment a compound having the following formula:



No. of Pages : 21 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.902/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : DEVICE AND METHOD FOR MANUFACTURING SHEET WITH CORDS

(51) International classification	:B29D 30/38
(31) Priority Document No	:2007-310832
(32) Priority Date	:30/11/2007
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2008/053654
Filing Date	:29/02/2008
(87) International Publication No	:WO 2009/069319
(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)MITSUBISHI HEAVY INDUSTRIES, LTD.**  
Address of Applicant :16-5, KONAN 2-CHOME, MINTAO-KU, TOKYO 108-8215, Japan  
(72)**Name of Inventor :**  
**1)HIROSHI MIYAHARA**  
**2)JIRO AGAWA**

(57) Abstract :

To provide a plurality of conveyor belts which are disposed, with a space kept mutually in the width direction orthogonal to the longitudinal direction thereof, and capable of running along the longitudinal direction thereof in such a state that the sheet pieces with cords are placed thereon, and a lift mechanism installed between the plurality of conveyor belts to support the sheet pieces with cords on the upstream side or those on the downstream side in the longitudinal direction among the sheet pieces with cords placed on the conveyor belts while in contact with these sheet pieces from the lower side, thereby allowing them to make a relative upward movement from the sheet placing surfaces of the conveyor belts.

No. of Pages : 41 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.920/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : 2-((R)-2-METHYLPYRROLIDIN-2-YL)-1H-BENZIMIDAZOLE-4-CARBOXAMIDE CRYSTALLINE FORM 1

(51) International classification	:C07D 487/04
(31) Priority Document No	:60/979,643
(32) Priority Date	:12/10/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2008/079441
Filing Date	:10/10/2008
(87) International Publication No	:WO 2009/049111
(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)ABBOTT LABORATORIES**  
Address of Applicant :100 ABBOTT PARK ROAD,  
ABBOTT PARK, ILLINOIS 60064 U.S.A.  
(72)**Name of Inventor :**  
**1)KOLACZKOWSKI LAWRENCE**

(57) Abstract :  
2-((R)-2-Methylpyrrolidin-2-yl)-1 H-benzimidazole-4-carboxamide Crystalline Form 1, ways to make it, compositions comprising it and made using it, and methods of treating patients having disease using it are disclosed.

No. of Pages : 37 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8518/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :28/12/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : INFLUENZA VACCINES

(51) International classification :c12n  
(31) Priority Document No :PA 2007 00784  
(32) Priority Date :31/05/2007  
(33) Name of priority country :Denmark  
(86) International Application No :PCT/DK2008/000201  
Filing Date :30/05/2008  
(87) 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)STATENS SERUM INSTITUT**  
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(72)**Name of Inventor :**  
**1)FORMSGAARD Anders**

(57) Abstract :

The invention concerns vaccines and the use of the naked DNA and/or RNA molecule encoding hemagglutinin (HA) from pandemic influenza, e.g. the 1918 H1N1 and/or the 1957 H2N2 and/or the 1968 H3N2 influenza A virus and/or the high pathogenic bird pandemic ATV strain (A/buzzard/Denmark/6370/06(H5N1)) and/or 2001 H5N7 low pathogenic Avian influenza virus (ATV) strain (A/Mallard/Denmark/64650/03(H5N7)) or the March 2006 Denmark H5N1 high pathogenic AIV strain (A/buzzard/Denmark/6370/06(H5N1)) or the 2008 (A/duck/Denmark/53- 147-8/08 (H7N1)) or the 2004 (A/widegeon/Denmark/66174/G18/04 (H2N3)) as a vaccine component against present day and coming H1, H2, H3, H5,

No. of Pages : 46 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8519/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :28/12/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : A METHOD FOR OPERATING A WIND TURBINE, A WIND TURBINE AND USE OF THE METHOD

(51) International classification	:f03d
(31) Priority Document No	:PA 2007 00787
(32) Priority Date	:31/05/2007
(33) Name of priority country	:Denmark
(86) International Application No	:PCT/DK2008/000188
Filing Date	:21/05/2008
(87) 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)Vestas Wind Systems A/S**  
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Denmark  
(72)**Name of Inventor :**  
**1)GODSK Kristian Balschmidt**  
**2)NIELSEN Thomas Steiniche Bjertrup**  
**3)SLOTH Erik Billeskov**

(57) Abstract :

The invention relates to a method for operating a wind turbine (1). The wind turbine (1) comprises a rotor (4) with a number of wind turbine blades (5), wherein the rotors (4) axis of rotation (7) is tilted in relation to the direction of the incoming wind (13). The method comprises the steps of

No. of Pages : 27 No. of Claims : 14



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8520/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :28/12/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : SURFACE MODIFIED AEROSOL PARTICLES, A METHOD AND APPARATUS FOR PRODUCTION THEREOF AND POWDERS AND DISPERSIONS CONTAINING SAID PARTICLES

(51) International classification :a61k  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/FI2007/000151  
Filing Date :31/05/2007  
(87) 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)BROWN David P.**  
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**2)KAUPPINEN Esko I.**  
**3)RAULA Janne**  
(72)Name of Inventor :  
**1)BROWN David P.**  
**2)KAUPPINEN Esko I.**  
**3)L,,HDE Anna**  
**4)RAULA Janne**

(57) Abstract :

The present invention relates to a method and apparatus for multicomponent surface modified aerosol particle production suitable for, for instance, therapeutic, cosmetic or diagnostic use in which an aerosol containing an active agent is introduced in an aerosol reactor together with a surface agent or surface agent source and/or precursor and wherein the surface agent and/or surface agent precursor is volatilizable. The surface agent vapor saturation ratio is elevated so to cause it to nucleate from the gas phase. Reactor conditions are maintaining such that the active agent remains in the condensed phase and provides a surface for the surface agent to deposit on the active agent containing aerosol particle thus producing surface modified aerosol particles. The method can be used for batch or continuous production. The invention also includes particles made according to the invention and powders and dispersions containing said particles.

No. of Pages : 40 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8452/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :23/12/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHOD AND APPARATUS FOR CONTROLLING PRECESSION IN A DRILLING ASSEMBLY•

(51) International classification	:b26d	(71)Name of Applicant :
(31) Priority Document No	:11/770,851	<b>1)VALIDUS INTERNATIONAL LLC</b>
(32) Priority Date	:29/06/2007	Address of Applicant :5430 LBJ Freeway Suite 1550 Dallas
(33) Name of priority country	:U.S.A.	Texas 75240 U.S.A.
(86) International Application No	:PCT/US2008/066528	(72)Name of Inventor :
Filing Date	:11/06/2008	<b>1)SCHUH Frank J.</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Drilling apparatuses and methods for limiting precession are provided. According to one embodiment , a drilling apparatus includes a non-rotating stabilizer. The non-rotating stabilizer includes a first blade and a second blade, the first blade being arranged opposite the second blade. The first blade is biased radially outwardly by a force of a first value. The second blade is not biased radially outwardly by a force corresponding to the first value. The second blade may be a blade which is slidable along the non-rotating stabilizer in an axial direction and allow free sliding axial contact with the formation.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.903/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : APPARATUS AND METHOD FOR REMOVAL OF IONS FROM A POROUS ELECTRODE THAT IS PART OF A DEIONIZATION SYSTEM

(51) International classification	:B01J 47/14
(31) Priority Document No	:60/950,594
(32) Priority Date	:18/07/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2008/070409
Filing Date	:18/07/2008
(87) International Publication No	:WO 2009/012427
(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 WATER COMPANY LLC**

Address of Applicant :350 KEELER PARKWAY, PUEBLO,  
CO 81001, U.S.A.

(72)Name of Inventor :

**1)RICHARD, L. HOOVER**

**2)BRAIN B. ELSON**

**3)BRAIN C. LARGE**

**4)PETER NORMAN**

(57) Abstract :

An electrode for use in a deionization apparatus includes a conductive material that is in a granular form and is arranged in a layer that is defined by a first face and a second face. The electrode includes a substrate that is disposed against the first face, and a first member that is disposed against the second face and is formed to permit a fluid to pass through the first member and into contact with the granular conductive material to permit absorption of ions by the granular conductive material.

No. of Pages : 53 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION

(21) Application No.922/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

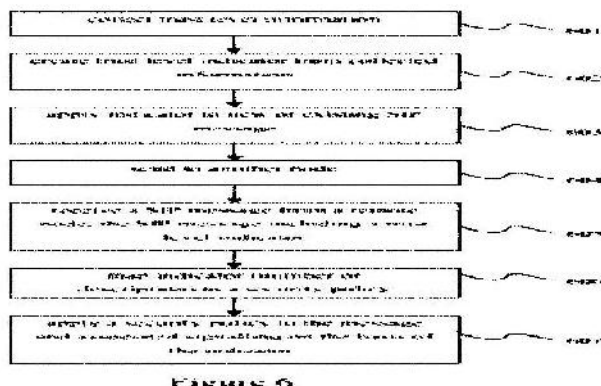
(54) Title of the invention : METHODS AND APPARATUSES FOR HANDLING TRUST IN AN IP MULTIMEDIA SUBSYSTEM COMMUNICATION NETWORK

(51) International classification :H04L 29/08  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/EP2007/059680  
Filing Date :14/09/2007  
(87) International Publication No :WO 2009/033504  
(61) Patent of Addition 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)LINDHOLM, FREDRIK**  
**2)HEDMAN, PETER**  
**3)WIFVESSON, MONICA**

(57) Abstract :

Method of handling trust in an IP Multimedia Subsystem Communication Network 5 A method and apparatus for handling trust in an IP Multimedia Subsystem network. A node in the IP Multimedia Subsystem network receives (605) a Session Initiation Protocol message from a remote node. The message includes an indicator indicating the level of trust of a communication sent from the remote node to the IP Multimedia 10 Subsystem node. The node can then apply (607) a security policy to the message, the security policy being determined by the indicator.



No. of Pages : 29 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.925/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : LUBRICATION OIL COMPOSITIONS

(51) International classification	:C01G
(31) Priority Document No	:60/957,716
(32) Priority Date	:24/08/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2008/073815
Filing Date	:21/08/2008
(87) International Publication No	:WO 2009/029470
(61) Patent of Addition 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)SUNKARA, HARI, BABU**

(57) Abstract :

This invention relates to lubrication oil compositions comprising (i) a base fluid stock comprising an acid ester of a polytrimethylene ether glycol that is a fluid at ambient temperature, and (ii) one or more lube oil additives.

No. of Pages : 30 No. of Claims : 16

(54) Title of the invention : COMBINATION BITE BLOCK, TONGUE DEPRESSOR/RETRACTOR AND AIRWAY

(51) International classification :A61B 1/24  
 (31) Priority Document No :60/955,287  
 (32) Priority Date :10/08/2007  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/US2008/009443  
       Filing Date :06/08/2008  
 (87) International Publication No :WO 2009/023113  
 (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)BURDUMY, THEODORE JAMES**

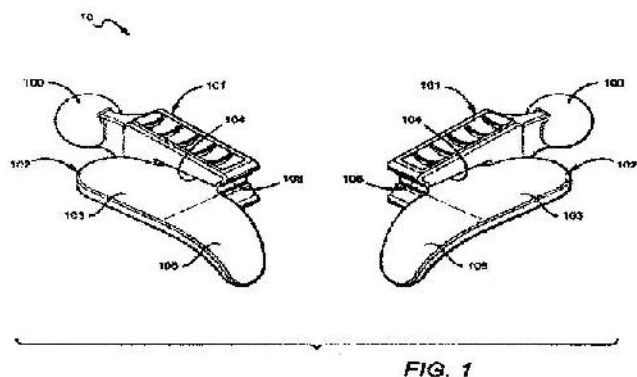
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(72)Name of Inventor :

**1)BURDUMY, THEODORE JAMES**

(57) Abstract :

A combination bite block, tongue depressor/retractor and airway for establishing and maintaining an open airway while preventing emergence clenching and the resulting dental and soft tissue damage associated with emergence clenching in procedures where anesthesia and/or sedation are used, or when the patient is not in control of their own airway, regardless of the cause. The inventive subject matter includes a tongue depressor/ retractor component in both right and left conformations; and a bite block component. The bite block component is a wedge shaped, compressible component that is inserted between the upper and lower molars on either the right or left side of the mouth. The tongue depressor component is comprised by a flat portion of that is inserted into the side of the bite block, and an optional curved portion that retracts the tongue off of the posterior pharynx when in place.



No. of Pages : 22 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.908/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : THERMOPHILIC MICRO-ORGANISMS FOR ETHANOL PRODUCTION

(51) International classification	:C12N 5/10
(31) Priority Document No	:0715751.4
(32) Priority Date	:13/08/2007
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2008/002782
Filing Date	:12/08/2008
(87) International Publication No	:WO 2009/022158
(61) Patent of Addition 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)ATKINSON, ANTHONY**

**2)CRIPPS, ROGER**

**3)ELEY, KRISTIN**

**4)RUDD, BRIAN**

**5)TODD, MARTIN**

(57) Abstract :

A thermophilic micro-organism comprising a modification that increases amylase expression and starch hydrolysis compared to wild-type, wherein the modification is insertion of a heterologous amylase gene.

No. of Pages : 34 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION

(21) Application No.909/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

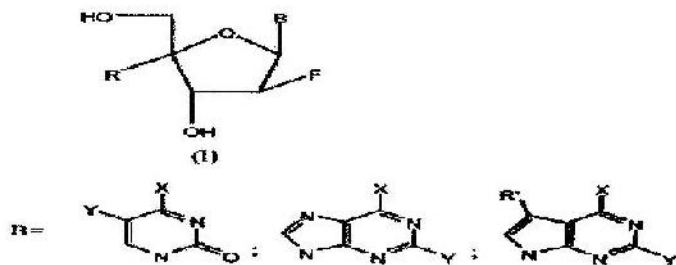
(54) Title of the invention : 2' FLUORINE-4' SUBSTITUTED-NUCLEOSIDE ANALOGUES, PREPARATION METHODS AND USES THEREOF

(51) International classification :C07H 19/06  
(31) Priority Document No :200710054781.2  
(32) Priority Date :16/07/2007  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2008/001239  
Filing Date :27/06/2008  
(87) International Publication No :WO 2009/009951  
(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)ZHENGZHOU UNIVERSITY**  
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**2)HENAN ANALYSIS AND TESTING CENTER**  
(72)Name of Inventor :  
**1)CHANG, JUNBIAO**

(57) Abstract :

The present invention provides 2-fluorine-4-substituted-nucleoside analogues or their pro-drugs or 5-phosphate esters (including the pro-drugs of the 5-phosphate esters), preparation methods and uses thereof. The compounds have the general formula as follows: (Formula Removed) wherein: R = CH<sub>3</sub>, CN, N<sub>3</sub>, C=CH; R - H, F; X = F, OH, NHs Y = H, CH<sub>3</sub>, F, OH, NH<sub>2</sub> The compounds are used in the synthesis of drugs for the treatment of virus infection, especially for the treatment of HBV, HCV or HIV infection.



No. of Pages : 45 No. of Claims : 7



(12) PATENT APPLICATION PUBLICATION

(21) Application No.748/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :02/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : ELECTRODEPOSITABLE COATING COMPOSITION CONTAINING A CYCLE GUANIDINE

(51) International classification	:C09D 5/44
(31) Priority Document No	:11/835,600
(32) Priority Date	:08/08/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2008/072425
Filing Date	:07/08/2008
(87) International Publication No	:WO 2009/021095
(61) Patent of Addition 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)ZAWACKY, STEVEN R.**

**2)MORIARITY, THOMAS C.**

**3)BOYD, DONALD W.**

**4)WEBSTER, GEOFFREY R.**

**5)LUCAS, JOSEPH**

**6)KAYLO, ALAN J.**

**7)SZYMANSKI, CHESTER J.**

**8)ESWARAKRISHNAN, VENKATACHALAM**

(57) Abstract :

The present invention is directed towards an electrocoating composition comprising a cyclic guanidine.

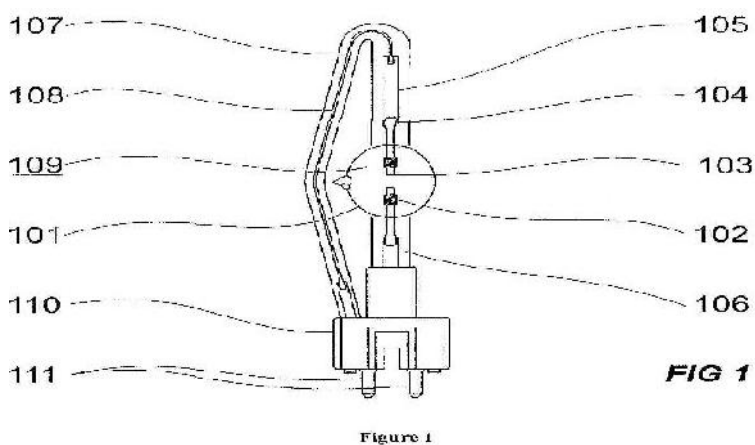
No. of Pages : 63 No. of Claims : 69

(54) Title of the invention : SHORT ARC DIMMABLE HID LAMP WITH CONSTANT COLOUR DURING DIMMING

(51) International classification	:H05B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)FLOWIL INTERNATIONAL LIGHTING (HOLDING)</b>
(32) Priority Date	:NA	<b>B.V.</b>
(33) Name of priority country	:NA	Address of Applicant :PRINS BERNHARDPLEIN 200, 1097
(86) International Application No	:NA	JB AMSTERDAM, The Netherlands
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)James Hooker</b>
(61) Patent of Addition to Application Number	:NA	<b>2)Lode Derhaeg</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

The present disclosure relates to a short arc metal halide lamp without outer jacket, whose arc tube has a specified aspect ratio and chemical filling, characterised in that it delivers a low colour temperature and very high colour rendering index, which are maintained during dimming.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.907/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : OIL-IN- WATER EMULSION COMPOSITION AND METHOD FOR PRODUCING THE SAME

(51) International classification	:A61K 8/06	(71)Name of Applicant :
(31) Priority Document No	:2007-195719	<b>1)SHISEIDO COMPANY LTD.</b>
(32) Priority Date	:27/07/2007	Address of Applicant :5-5, GINZA CHUO-KU, TOKYO
(33) Name of priority country	:Japan	1048010, Japan
(86) International Application No	:PCT/JP2008/063106	(72)Name of Inventor :
Filing Date	:22/07/2008	<b>1)OKA, TAKASHI</b>
(87) International Publication No	:WO 2009/016989	<b>2)MIYAHARA, REIJI</b>
(61) Patent of Addition to Application	:NA	<b>3)TESHIGAWARA, TAKASHI</b>
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides: an oil-in-water emulsion composition, into which an oil-soluble drug is stably incorporated and which is excellent in feeling during use; and a method for producing the aforementioned composition, which does not require complicated operations. An oil-in-water emulsion composition comprising; (A) a polyoxyethylene phytosterol, (B) a glycerin fatty acid diester, (C) a polyoxyethylene-polyoxypropylene random copolymer dialkyl ether, (D) an oil-soluble drug, (E) oil, and (F) water; wherein a layered gel structure composed of the components (A) and (B) is present in an emulsion particle in the emulsion composition.

No. of Pages : 41 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.895/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : PROCESS FOR PREPARING ESTROGEN ESTROGEN-ANTAGONISTIC 11-FLUORO-17 -ALKYLESTRA-1,3,5(10)-TRIENE-3,17--DIOLS HAVING A 7 -( -ALKYLAMINO- -PERFLUOROALKYL)ALKYL SIDE CHAIN AND -ALKYL(AMINO)- -(PERFLUORO(ALKYL)ALKANES AND PROCESSES FOR THEIR PREPARATION

(51) International classification :C07C 211/15

(31) Priority Document No :07075741.4

(32) Priority Date :30/08/2007

(33) Name of priority country :EPO

(86) International Application No :PCT/EP08/007210

Filing Date :28/08/2008

(87) International Publication No :WO 2009/027108

(61) Patent of Addition 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)DANJA GROSSBACH**

**3)CHRISTIAN DINTER**

**4)JORMA HASSFELD**

**5)DAVID VOIGTLAENDER**

(57) Abstract :

The present invention relates to a new process for preparing estrogen-antagonistic 11-fluoro-17 -alkylestra-1,3,5(10)-triene-3,17-diols of the general formula I having a 7 -( -alkylamino- -perfluoroalkyl)alkyl side chain and to -alkyl(amino)-- -perfluoro(alkyl)alkanes of the general formula II, to processes for their preparation and to the intermediates required for this purpose.

No. of Pages : 26 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.930/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHOD FOR THE PREPARATION OF FLUOROPOLYMER POWDERED MATERIALS

(51) International classification :c08j  
(31) Priority Document No :0713893.6  
(32) Priority Date :17/07/2007  
(33) Name of priority country :U.K.  
(86) International Application No :PCT/GB2008/002414  
Filing Date :15/07/2008  
(87) 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)Michael COATES**  
**2)Robert Iain WHITLOW**  
**3)Joel GINES**  
**4)Julie K. WRIGHT**  
**5)Andrew J. MELVILLE**  
**6)Leonard W. HARVEY**

(57) Abstract :

A method for the preparation of a modified fluoropolymer powdered material is disclosed. A suspension of solid fluoropolymer particles together with SiC particles in an aqueous carrier, is frozen and the frozen carrier is then removed by sublimation at sub-atmospheric pressure to produce a dry powder of modified fluoropolymer particles.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.896/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : POST-PROCESSING OF POLYLACTIC ACID ARTICLE

(51) International classification :A47J 31/00  
(31) Priority Document No :60/952,925  
(32) Priority Date :31/07/2007  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US08/071649  
Filing Date :30/07/2008  
(87) International Publication No :WO 2009/018380  
(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,  
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(72)**Name of Inventor :**  
**1)QIUCHEN PETER ZHANG**  
**2)MICHAEL O. OKOROAFOR**  
**3)XIAOYAN HUANG**  
**4)STUART MICHAEL RUAN**  
**5)PHILIP ANDREW DENT**  
**6)CLAIRE LOUISE GOULD**

(57) Abstract :

Methods are provided for making a polylactic acid article. The methods may include the steps of providing an article comprising polylactic acid; supporting the article using a carrier support system; and curing the article with heat. The step of curing the article is effective to improve one or more properties of the article. Articles comprising polylactic acid also are provided having improved properties. Methods also are provided for preparing a beverage including the steps of providing a pod comprising polylactic acid, wherein the pod has been cured with heat while being supported by a carrier support system; placing a beverage material in the pod; placing a hot liquid into the pod; brewing the beverage material and hot liquid in the pod to create a beverage; and removing the beverage from the pod.

No. of Pages : 18 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(21) Application No.931/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : HYDRAULIC ELEVATING PLATFORM ASSEMBLY

(51) International classification	:B66F 9/14
(31) Priority Document No	:11/897,558
(32) Priority Date	:31/08/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2008/010259
Filing Date	:29/08/2008
(87) International Publication No	:WO 2009/032201
(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)BOYD, JOHN W.**

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(72)Name of Inventor :

**1)BOYD, JOHN W.**

**2)WHITWELL, WILLIAM P.**

**3)HICKS, GEORGE**

**4)HICKS, RONNIE D.**

**5)DIMMICK, TIMOTHY J.**

(57) Abstract :

An elevating platform assembly is provided. In accordance with one exemplary embodiment a platform is present and is moveable along a travel distance of a mast. A cylinder is provided and is capable of being actuated. The cylinder is used to move the platform along the travel distance.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.745/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :02/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : A COMPOSITION USEFUL IN THE CATALYTIC HYDROPROCESSING OF HYDROCARBON FEEDSTOCKS, A METHOD OF MAKING SUCH CATALYST, AND A PROCESS OF USING SUCH CATALYST

(51) International classification :B01J 21/04  
(31) Priority Document No :60/954,267  
(32) Priority Date :06/08/2007  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2008/072092  
Filing Date :04/08/2008  
(87) International Publication No :WO 2009/020913  
(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)SHELL INTERNATIONALE RESEARCH  
MAATSCHAPPIJ B.V.**  
Address of Applicant :CAREL BYLANDTLAAN 30, 2596  
HR THE HAGUE, THE NETHERLANDS.  
(72)Name of Inventor :  
**1)GABRIELOV ALEXEI GRIGORIEVICH  
2)SMEGAL JOHN ANTHONY  
3)TORRISI SALVATORE PHILIP**

(57) Abstract :

A hydrocarbon oil-impregnated composition that comprises a support material having incorporated therein a metal component and impregnated with a hydrocarbon oil. The hydrocarbon oil-impregnated composition is useful in the hydrotreating of hydrocarbon feedstocks, and it is especially useful in applications involving delayed feed introduction whereby the hydrocarbon oil-impregnated composition is first treated with hot hydrogen, and, optionally, a sulfur compound, prior to contacting it with a hydrocarbon feedstock under hydrodesulfurization process conditions.

No. of Pages : 29 No. of Claims : 17



(12) PATENT APPLICATION PUBLICATION

(21) Application No.915/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : COMPOSITIONS AND METHOD FOR CRYSTALLIZING ANTIBODIES

(51) International classification	:A61K 39/395
(31) Priority Document No	:60/963,964
(32) Priority Date	:08/08/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2008/009549
Filing Date	:08/08/2008
(87) International Publication No	:WO 2009/020654
(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)FRAUNHOFER WOLFGANG**  
**2)BORHANI DAVID W.**  
**3)WINTER GERHARD**  
**4)GOTTSCHALK STEFAN**

(57) Abstract :

The present invention relates to a batch crystallization method for crystallizing anti-human TNFalpha (hTNFalpha) antibody and antibody fragments which allows the production of said antibody on an industrial scale; a method of controlling the size of antibody crystals, for example, crystals of anti-hTNFalpha antibody fragments, compositions containing said crystals as well as methods of use of said crystals and compositions.

No. of Pages : 111 No. of Claims : 64

(12) PATENT APPLICATION PUBLICATION

(21) Application No.914/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : A PHARMACEUTICAL COMPOSITION FOR THE TREATMENT OF AN EGFR DEPENDENT DISEASE

(51) International classification	:A61K 31/444
(31) Priority Document No	:07112998.5
(32) Priority Date	:24/07/2007
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2008/059642
Filing Date	:23/07/2008
(87) International Publication No	:WO 2009/013305
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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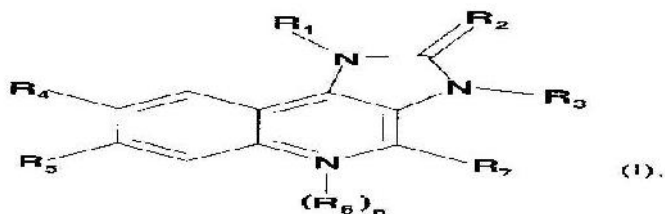
(72)Name of Inventor :

**1)GARCIA-ECHEVERRIA CARLOS**

**2)MAIRA SAUVEUR-MICHEL**

(57) Abstract :

The present invention relates to the use of compounds of formula (I) (Formula Removed) in the treatment of Epidermal Growth Factor Receptor (EGFR) family members dependent diseases or diseases that have acquired resistance to agents that target EGFR family members, use of said compounds for the manufacture of pharmaceutical compositions for the treatment of said diseases, combinations of said compounds with EGFR modulators for said use, methods of treating said diseases with said compounds and pharmaceutical preparations for the treatment of said diseases comprising said compounds alone or in combination, especially with an EGFR modulator.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.932/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHOD FOR SUPPLYING GRANULATED MATERIAL TO A POLYMERISATION REACTOR

(51) International classification	:C08F 10/00
(31) Priority Document No	:07117589.7
(32) Priority Date	:01/10/2007
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No	:PCT/EP2008/062975
Filing Date	:26/09/2008
(87) International Publication No	:WO 2009/043828
(61) Patent of Addition 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 :ZONE INDUSTRIELLE C, B - 7181  
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(72)**Name of Inventor :**  
**1)QUEYREL, CLAUDE**  
**2)BOUQUOTUE, YAHYA**

(57) Abstract :

The present invention relates to methods for delivering granulated material to a reactor for use in the polymerization of alpha-olefin comprising the steps of: providing a first conduit having a granulated material inlet, the conduit being operably connected to a pocket ball valve comprising at least one pocket, said pocket ball valve being operably connected to a second conduit, said second conduit being operably connected to a polymerization reactor; introducing a granulated material to the first conduit through said inlet; metering the granulated material through the pocket ball valve; and passing said material through the second conduit to the polymerization reactor. The present invention also relates to polyolefin production processes and polyolefin producing units.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.933/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : CONDUCTIVE RUBBER COMPONENT•

(51) International classification	:b32b
(31) Priority Document No	:JP2008-236519
(32) Priority Date	:16/09/2008
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2009/060662
Filing Date	:11/06/2009
(87) 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 :21-11 Chiyoda 5-Chome Naka-ku  
Nagoya-shi Aichi 460-0012 Japan  
(72)**Name of Inventor :**  
**1)Jinya TANAKA**  
**2)Masakazu KOIZUMI**

(57) Abstract :

A conductive rubber component 10 includes a laminate 9 in which conductive rubber layers 1 and insulating rubber layers 2 are laminated alternately in parallel, the conductive rubber layers 1 and the insulating rubber layers 2 are integrated at their boundaries by a cross-linking reaction.....

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

(54) Title of the invention : MECHANISM FOR BROADCASTING SYSTEM MANAGEMENT INTERRUPTS TO OTHER PROCESSORS IN A COMPUTER SYSTEM

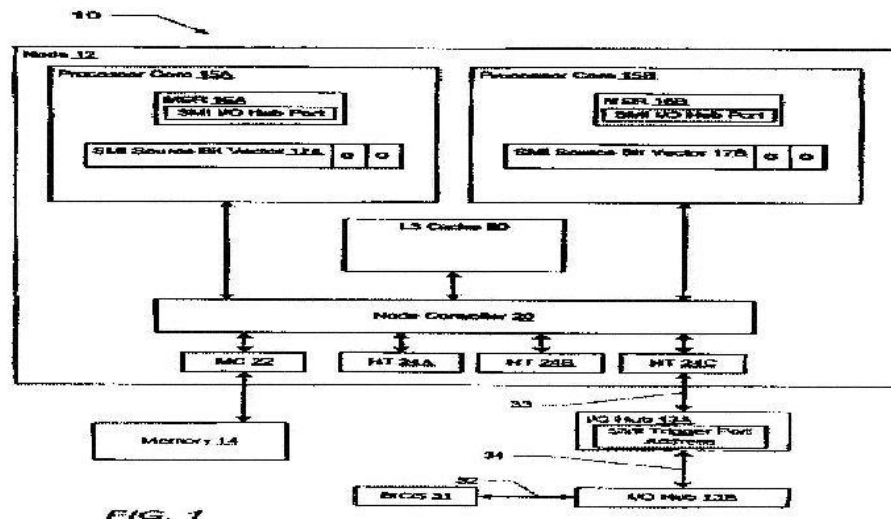
(51) International classification	:G06F 13/24
(31) Priority Document No	:11/831,985
(32) Priority Date	:01/08/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US/2008/009120
Filing Date	:28/07/2008
(87) International Publication No	:WO 2009/017706
(61) Patent of Addition 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)CLARK MICHAEL, T.**  
**2)ILIC. JELENA**

(57) Abstract :

A computer system (10) includes a system memory (14), a plurality of processor cores (15 A, 15B), and an input/output (I/O) hub (13 A) that may communicate with each of the processor cores. In response to detecting an occurrence of an internal system management interrupt (SMI), each of the processor cores may save to a system management mode (SMM) save state in the system memory, information corresponding to a source of the internal SMI. In response to detecting the internal SMI, each processor core may further initiate an I/O cycle to a predetermined port address within the I/O hub. The I/O hub may broadcast an SMI message to each of the processor cores in response to receiving the I/O cycle. Each of the processor cores may further save to the SMM save state in the system memory, respective internal SMI source information in response to receiving the broadcast SMI message.



**FIG. 7**

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.923/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : GEL CONTAINING PIRFENIDONE

(51) International classification	:A61K 31/4412
(31) Priority Document No	:MX/a/2007/009796
(32) Priority Date	:14/08/2007
(33) Name of priority country	:Mexico
(86) International Application No	:PCT/MX2008/000107
Filing Date	:14/08/2008
(87) International Publication No	:WO 2009/022899
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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DELEGACION COYOACAN C.P. 04980, MEXICO, DISTRITO  
FEDERAL (MX) Mexico

(72)Name of Inventor :

**1)MAGANA CASTRO, JOSE AGUSTIN ROGELIO**

**2)VASQUEZ CERVANTES, LAURA**

**3)ARMENDARIZ BORUNDA, JUAN SOCORRO**

(57) Abstract :

The invention relates to a gel composition containing pirfenidone, which is advantageous over other cutaneously administered pharmaceutical forms known in the prior art and which can be used in treatment for the restoration of tissues with fibrotic lesions and for the prevention of fibrotic lesions.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8303/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :18/12/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : IMPROVEMENTS IN OR RELATING TO SEARCHING TECHNIQUES

(51) International classification :g06q  
(31) Priority Document No :11/809,028  
(32) Priority Date :31/05/2007  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/EP2008/055839  
Filing Date :13/05/2008  
(87) 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)AMADEUS S.A.S.**  
Address of Applicant :485 Route du Pin Montard Sophia  
Antipolis F-06410 Biot FRANCE  
(72)Name of Inventor :  
**1)ALMEIDA Fdric**  
**2)LEVECCHIA Claudio**  
**3)SCHAFF Clovis**

(57) Abstract :

A method of online searching for a service or product, the method comprising: obtaining a first search request from a user, the first search request including a set of search criteria; storing the set of search criteria at a predetermined location; searching for a service or product which matches the set of search criteria; generating a first set of recommendations of a service or product which matches the set of search criteria for communication to the user; storing the first set of recommendations;

No. of Pages : 29 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8304/DELNP/2009 A

(19) INDIA

(22) Date of filing of Application :18/12/2009

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHOD AND SYSTEM FOR SENDING, ROUTING, AND RECEIVING INFORMATION USING CONCISE MESSAGES

(51) International classification	:g06q
(31) Priority Document No	:60/939,296
(32) Priority Date	:21/05/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2008/064425
Filing Date	:21/05/2008
(87) 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)Stefan GROMOLL**  
Address of Applicant :19 Conscience Circle Setauket NY  
11733 U.S.A.  
**2)Kenneth M. Lanzetta**  
(72)Name of Inventor :  
**1)Stefan GROMOLL**  
**2)Kenneth M. Lanzetta**

(57) Abstract :

A system and method are provided for communication between a communication device and a content provider associated with an internet domain name and a server. The system includes a network with a user interface, an internet connection, and an interface to the content provider s internet domain. A communication device user enters a concise message request which includes a channel, a designator and, optionally, a request instruction. The combination of the channel and the designator specify a location on the internet at which routing instructions reside for responding to the concise message request and generating a concise message response for output to the communication device. Concise message documents can be generated for effecting financial transactions such as purchases and payments via SMS. CMRL can also be used to route person-to-person messaging through a content provider s internet domain at which the users may be registered.

No. of Pages : 69 No. of Claims : 34



(54) Title of the invention : A NONMETAL MATERIAL MODIFIED THERMOPLASTIC RESIN COMPOSITE AND A METHOD FOR PREPARING PRODUCTS USING SAID COMPOSITE

(51) International classification	:C08L	(71)Name of Applicant :
(31) Priority Document No	:CN	<b>1)Shanghai Huda Investment &amp; Development Co. LTD</b>
(32) Priority Date	201010214298.8	Address of Applicant :a Chinese company of the address: 23rd
(33) Name of priority country	:29/06/2010	Floor 941 Jiaozhou Rd. Changjiu Plaza Shanghai China
(86) International Application No	:China	<b>2)Qinghai Xiwang Hi-Tech &amp; Material Co. LTD</b>
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)CHI Liquan</b>
(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 nonmetal material modified thermoplastic resin composite, comprising the following materials by weight percentages: 50-70% of filling, 25-40% of polypropylene, 3-6% of maleic anhydride modified polypropylene, 1-3% of titanium dioxide and 1-2% antioxidant.Said filling has been modified by stearic acid.The invention also provides a method for producing products like sanitary wares, hardware of sanitary wares, outdoor products, decorative pipes of external walls & decorations of public scenes using the nonmetal material modified thermoplastic resin composite.The raw materials are widely available & the preparation does not require long-time burning with high energy consumption,thus possessing the advantages such as low energy consumption,high mechanical automation degree, low labor intensity, and high yield, which is applicable to industrial mass production.The invented nonmetal material modified thermoplastic resin composite is applicable to the production of sanitary wares, hardware of sanitary wares, outdoor products, decorative pipes of external walls and decorations of public scenes.

No. of Pages : 19 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.898/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : IMPROVED METHOD FOR PRODUCING 2-CHLORO-3,3,3,-TRIFLUOROPROPENE (HCFC-1233XF)

(51) International classification :C07C 17/20

(31) Priority Document No :60/951,796

(32) Priority Date :25/07/2007

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2008/071129

Filing Date :25/07/2008

(87) International Publication No :WO 2009/015317

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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Address of Applicant :LAW DEPARTMENT AB/2B, 101  
COLUMBIA ROAD, MORRISTOWN, NJ 07962, U.S.A.

(72)Name of Inventor :

**1)DANIEL C. MERKEL**

**2)HSUEH SUNG TUNG**

(57) Abstract :

The present invention relates to an improved method for manufacturing 2-chloro-3,3,3,-trifluoropropene (HCFC-1233xf) by reacting 1,1,2,3-tetrachloropropene, 1,1,1,2,3-pentachloropropane, and/or 2,3,3,3-tetrachloropropene with hydrogen fluoride, in a vapor phase reaction vessel in the presence of a vapor phase fluorination catalyst and stabilizer. HCFC-1233xf is an intermediate in the production of 2,3,3,3-tetrafluoropropene (HFO-1234yf) which is a refrigerant with low global warming potential.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.916/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :10/02/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : PROCESS FOR THE PREPARATION OF ALKYLENE GLYCOL

(51) International classification :C07C 29/10  
(31) Priority Document No :07114306.9  
(32) Priority Date :14/08/2007  
(33) Name of priority country :EUROPEAN UNION  
(86) International Application No :PCT/EP2008/059868  
Filing Date :28/07/2008  
(87) International Publication No :WO 2009/021830  
(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)SHELL INTERNATIONALE RESEARCH  
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(72)Name of Inventor :  
**1)VAN KRUCHTEN EUGENE MARIE GODFRIED  
ANDRE**  
**2)REKKERS DOMINICUS MARIA**  
**3)SLAPAK MATHIAS JOZEF PAUL**

(57) Abstract :

The invention provides a process for the preparation of an alkylene glycol from an aikene. A gas composition from an alkylene oxide reactor is supplied to an alkylene oxide absorber comprising a column of vertically stacked trays or comprising a packed column. Lean absorbent comprising at least 20wt% water is supplied to the alkylene oxide absorber and is contacted with the gas composition in the presence of one or more catalysts that promote carboxylation and hydrolysis. At least 50% of the alkylene oxide entering the alkylene oxide absorber is converted in the alkylene oxide absorber. Fat absorbent is withdrawn from the absorber, is optionally supplied to finishing reactors and/or a flash vessel or light ends stripper, and is subsequently subjected to dehydration and purification to provide a purified alkylene glycol product stream.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.410/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :15/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : FREEZE CONCENTRATION SYSTEM

(51) International classification	:B01D	(71)Name of Applicant :
(31) Priority Document No	9/04	<b>1)JABADE SIDDHARTH KANTILAL</b>
(32) Priority Date	:NA	Address of Applicant :FLAT 101, 'ALLIANCE
(33) Name of priority country	:NA	NAKSHATRA, PLOT 48, TULSHIBAGWALE COLONY,
(86) International Application No	:NA	SAHAKARNAGAR NO. 2 PUNE 411009 STATE OF
Filing Date	:NA	MAHARASHTRA, INDIA
(87) International Publication No	:N/A	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)SAHASRABUDHE ABHISHEK BALKRISHNA</b>
Filing Date	:NA	<b>2)DESAI RANJIT RAJARAM</b>
(62) Divisional to Application Number	:NA	<b>3)JABADE SIDDHARTH KANTILAL</b>
Filing Date	:NA	

(57) Abstract :

The present invention relates to a freeze concentration system and in particular a layer freeze concentration system. The system comprises of heat transfer surface comprising first ultrasonic wave generating means to cause ice dislodging, second ultrasonic wave generating means to enhance heat transfer process, refrigeration system operably configured with the said heat transfer surface ice collecting means.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.412/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :15/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : MODULAR ELECTRIC DEVICE HAVING SCREW-LESS TERMINATION AND ACTUATION.

(51) International classification	:E21B	(71)Name of Applicant :
(31) Priority Document No	29/12	<b>1)LARSEN &amp; TOUBRO LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :LARSEN & TOUBRO LIMITED
(33) Name of priority country	:NA	ELECTRICAL & AUTOMATION NORTH WING, GATE 7,
(86) International Application No	:NA	LEVEL 0, POWAI CAMPUS, SAKI VIHAR ROAD, MUMBAI
Filing Date	:NA	400 072, Maharashtra India
(87) International Publication No	:N/A	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)ONKAR KULKARNI</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a modular electric device (100) (Miniature Circuit Breaker) having screw-less termination and actuation. The device (100) having an actuator (11), a lever (18) and a clamp spring (17). An actuator tool is used for operating the actuator (11), wherein an actuator tool is inserted in a cavity of the actuator (11), placed on a pivot and pressed down to lift the actuator (11) up thereby operating the lever (18) and releasing/clamping the wire in the clamp spring (17).

No. of Pages : 25 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.416/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :15/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : A HOOK FORMING ASSEMBLY FOR A MOUNT MACHINE FOR MAKING FLUORESCENT TUBE LAMPS

(51) International classification	:H01J 61/32	(71) <b>Name of Applicant :</b> <b>1)CROMPTON GREAVES LIMITED</b>
(31) Priority Document No	:NA	Address of Applicant :CG HOUSE, DR. ANNIE BESANT
(32) Priority Date	:NA	ROAD, WORLI, MUMBAI 400 030, MAHARASHTRA, INDIA.
(33) Name of priority country	:NA	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)PATEL KEYUR</b>
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A hook forming assembly for a mount machine for making fluorescent tube lamps, said assembly comprises: a tubular channel element with an angularly displaceable roller pin located transversely through side walls of said tubular channel, said roller pin being spaced apart from the surface of said tubular channel such that said roller pin can rotate axially and has a clearance from said surface to receive a lead-in wire for hook formation; and rack and pinion arrangement, located laterally with respect to said tubular channel element adapted to be driven by a shaft and adapted to drive angular displacement of said roller pin to roll said lead-in wire.

No. of Pages : 16 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.418/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :15/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : STRUCTURE FOR CELLULAR BASE STATION SITE.

(51) International classification	:H04L 27/30	(71)Name of Applicant : <b>1)RANCORE TECHNOLOGIES (P) LTD.</b>
(31) Priority Document No	:NA	Address of Applicant :AWSF 22, MAB, 1ST FLOOR, NOCIL
(32) Priority Date	:NA	GATE B, THANE, BELAPUR ROAD, GHANSOLI- 400 701,
(33) Name of priority country	:NA	MAHARASHTRA, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)BHATNAGAR PRADEEP</b>
(87) International Publication No	:N/A	<b>2)AGARWAL ATUL</b>
(61) Patent of Addition to Application Number	:NA	<b>3)SINGH BAJINDER PAL</b>
Filing Date	:NA	<b>4)MUNAIN GOURANGA</b>
(62) Divisional to Application Number	:NA	<b>5)MISHRA SOMYA</b>
Filing Date	:NA	

(57) Abstract :

A telecommunications structure for a cellular base station site is disclosed. The telecommunications structure includes a tower for supporting at least one antenna thereon, the tower includes within its footprint a hollow space configured to form a chamber. The chamber accommodates at least one of a plurality of telecommunications equipments. The chamber includes at least one door hingeably coupled to the chamber and an electronic locking element to lock the door to the chamber. The electronic locking element includes RFID card readers, LAN connection, authentication servers and other network serves for facilitating secure access to the chamber.

No. of Pages : 53 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.494/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :23/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : SCREWLESS ASSEMBLY OF AUXILIARY BUSBAR IN SWITCHBOARDS

(51) International classification	:H02B 7/00	(71)Name of Applicant : <b>1)LARSEN &amp; TOUBRO LIMITED</b>
(31) Priority Document No	:NA	Address of Applicant :LARSEN & TOUBRO LIMITED
(32) Priority Date	:NA	ELECTRICAL & AUTOMATION NORTH WING, GATE 7,
(33) Name of priority country	:NA	LEVEL 0, POWAI CAMPUS, SAKI VIHAR ROAD, MUMBAI
(86) International Application No	:NA	400 072, Maharashtra India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:N/A	<b>1)VILAS D. PATIL</b>
(61) Patent of Addition to Application Number	:NA	<b>2)ARUN JAGADEESH</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a mechanism for providing screwless assembly of auxiliary bus bars in switchboard. The mechanism (100) includes a plurality of auxiliary bus bars (10), an housing (20) for shrouding the plurality of auxiliary bus bars (10), a plurality of clamps (30) for supporting the plurality of auxiliary bus bars (10) in the housing (20) and a base plate (40) capable of affixing the housing (20) thereon.

No. of Pages : 14 No. of Claims : 3



(54) Title of the invention : MACHINE FOR PACKAGING TABLETS IN GELATIN CAPSULES

(51) International classification	:B65B	(71)Name of Applicant :
	1/30	<b>1)SCI-TECH CENTRE</b>
(31) Priority Document No	:NA	Address of Applicant :7 PRABHAT NAGAR, JOGESHWARI
(32) Priority Date	:NA	WEST, MUMBAI 400102, MAHARASHTRA, INDIA
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)SINGH JASJIT</b>
Filing Date	:NA	<b>2)DESHMUKH PRAKASH</b>
(87) International Publication No	:N/A	<b>3)BARDE MAHESH</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Machine for packaging tablets in gelatin capsules. The base feeding station of the machine includes a base feeder mechanism (2) comprising a base aligning arrangement (3) having an upper block (4) and a lower block (5) disposed spaced apart from each other and rigidly held together for up and down movement in unison. The upper block comprises a group of through vertical passages (7) corresponding to a group of bushes (8) on the turntable (1) of the machine and matching and aligned with a group of through vertical passages (9) in the lower block. A plurality of flexible tubes (10) corresponding to the vertical passages in the upper and lower blocks are disposed between the upper and lower blocks with one ends of the flexible tubes located over the lower parts of the vertical passages in the upper block and the other ends of the flexible tubes located over the upper parts of the vertical passages in the lower block. A base orientation rectifier (13) is located below the lower block in close proximity to the lower block. A plurality of horizontal ducts (14) are provided in the orientation rectifier block along the length thereof corresponding to the vertical passages in the lower block. A vertical seat (15) is located in each of the horizontal ducts at the centre thereof aligned with a vertical passage in the lower block. A flat horizontal pusher (16) is disposed for reciprocating movement in each of the horizontal ducts upstream of the respective vertical seat. A plurality of vertical ducts (19) are formed in the orientation rectifier corresponding to and communicating with the horizontal ducts at the down stream end of the vertical seats. A flat vertical pusher (23) is reciprocally disposed in each of the vertical ducts. During the up and down movement of the base aligning arrangement, the flexible tubes are subjected to a shaking motion and the bases in the flexible tubes and vertical passages in the upper and lower blocks are forced to align and slide down without any actuator and extra input energy

No. of Pages : 26 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.55/MUMNP/2011 A

(19) INDIA

(22) Date of filing of Application :12/01/2011

(43) Publication Date : 23/08/2013

(54) Title of the invention : IMIDAZOPYRIDINE DERIVATIVES AS INHIBITORS OF RECEPTOR TYROSINE KINASES

(51) International classification :C07D 471/04  
(31) Priority Document No :0810902.7  
(32) Priority Date :13/06/2008  
(33) Name of priority country :GB  
(86) International Application No :PCT/EP2009/057318  
Filing Date :21/06/2009  
(87) International Publication No :WO/2009/150240  
(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)ASTEX THERAPEUTICS LIMITED**

Address of Applicant :436 CAMBRIDGE SCIENCE PARK,  
MILTON ROAD, CAMBRIDGE, CAMBRIDGESHIRE, CB4  
0QA, GREAT BRITAIN

(72)Name of Inventor :

**1)BERDINI, VALERIO**

**2)CARR, MARIA CRAZIA**

**3)CONGREVE, MILES, STUART**

**4)FREDERICKSON, MARTYN**

**5)GRIFFITHS-JONES, CHARLOTTE, MARY**

**6)HAMLETT,CHRISTOPHER,CHARLES, FREDRICK**

**7)MADIN, ANDREW**

**8)MURRAY, CHRISTOPHER, WILLIAM**

**9)BENNING, RAJDEEP KAUR**

**10)SAXTY, GORDON**

**11)VICKERSTAFFE, EMMA**

**12)WOODHEAD, ANDREW, JAMES**

**13)WOODHEAD, STEVEN, JOHN**

**14)FREYNE, EDDY,JEAN, EDGARD**

**15)GOVAERTS, TOM, CORNELIS, HORTENSE**

**16)GIBAUD, PATRICK, RENE**

(57) Abstract :

The invention relates to new bicyclic heterocyclic derivative compounds, to pharmaceutical compositions comprising said compounds and to the use of said compounds in the treatment of diseases, e.g. cancer.

No. of Pages : 390 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3159/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :19/11/2010

(43) Publication Date : 23/08/2013

(54) Title of the invention : ENDLESS POWER

(51) International classification

:F03B17/00

(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)DESAI HARIBHAI J**

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WAS AT & POST: KHERALU - 384 325, DIST :- MEHSANA,  
GUJARAT STATE, INDIA.

(72)Name of Inventor :

**1)DESAI HARIBHAI J**

(57) Abstract :

Power production is simple, cheaper and eco-friendly, This type of power can produce cheap clean water by applying dehumidifier.

No. of Pages : 7 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.582/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :17/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : LEAN ANGLE SENSING ARRANGEMENT FOR TWO-WHEELERS

(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

(71)Name of Applicant :

**1)M/S TVS MOTOR COMPANY LIMITED**

Address of Applicant :NO. 29, HADDOWS ROAD,  
CHENNAI - 600 006 Tamil Nadu India

(72)Name of Inventor :

**1)MR. PRASAD RAGHAVENDRA**

**2)MR. SIVAKUMAR ARUMUGAM**

(57) Abstract :

The present invention relates to a lean angle sensing arrangement for two-wheelers. The arrangement of the lean angle sensor 105 within the ECU 102 or within the instrument cluster 104 ensures reliability and detection accuracy of the lean angle sensor 105 without compromising on assembly ease and serviceability. The lean angle sensor 105 located within the ECU 102 provides a signal indicative of the inclination angle of the sensor measuring axis with respect to the ground. The output signal from the lean angle sensor 105 is transmitted to the ECU 102 which in turn controls the power unit 41 appropriately.

No. of Pages : 13 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.632/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :20/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : PRE INSULATION OF FLOW CONTROL VALVES AND STRAINERS USED IN A PIPING SYSTEM

(51) International classification	:B29C	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)Sarda Shrikanth</b>
(32) Priority Date	:NA	Address of Applicant :VILLA NO.1 RELIANCE VILLAS
(33) Name of priority country	:NA	BEHIND ANURADHA TIMBER DEPOT
(86) International Application No	:NA	NEWBOWENPALLY SECUNDERABAD A.P 500011 India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)Sarda Shrikanth</b>
(61) Patent of Addition to Application Number	:NA	<b>2)Chinnappa Reddy Udumula</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Exemplary embodiments and various aspects of the present invention are directed towards a pre-insulated control valve and a strainer of a piping system and a method of pre-insulating a control valve and a strainer. The method involves providing at least one a rigid polymeric foam casting an insulation layer having a predetermining thickness from the polymeric foam designed to reduce thermal conduction between the valve or the strainer and the surface coming in contact with the valve or the strainer coupling the control valve or the strainer with the insulation layer to provide a pre-insulated control valve or a pre insulated strainer and engaging the pre-insulated control valve or the pre insulated strainer in the fluid distribution system at multiple predetermined locations.

No. of Pages : 20 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.590/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :17/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : SYSTEM AND METHOD FOR AUTOMATED AND OBJECTIVE ASSESSMENT OF PROGRAMMING LANGUAGE CODE

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)INFOSYS LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :CELL, PLOT NO.44, ELECTRONIC
(33) Name of priority country	:NA	CITY, HOSUR ROAD, BANGALORE - 560 100 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)KSHITIZ JAIN</b>
(87) International Publication No	: NA	<b>2)MEENAKSHI SAHASRANAMAN</b>
(61) Patent of Addition to Application Number	:NA	<b>3)LAKSHMI DAVANGERE LAKSHMANA SETTY</b>
Filing Date	:NA	<b>4)SUNDARESAN KRISHNAN IYER</b>
(62) Divisional to Application Number	:NA	<b>5)SUBRAYA BELEYUR MANJAPPA</b>
Filing Date	:NA	

(57) Abstract :

A system and method of evaluating a software program is disclosed. Information of a proposed problem is received from a user via the user interface and a problem profile associated with the proposed problem is created. A master software solution associated with the proposed problem is processed to identify one or more attributes, such as a first identified attribute. One or more first test cases associated with the first identified attribute in the master software solution are generated. An evaluation program including at least the one or more generated first test cases is generated. The generated evaluation program is configured to be applied to at least one submitted software program that is to be evaluated. At least the one or more first test cases is configured to be applied as one or more test inputs to a corresponding attributes in the submitted software program.

No. of Pages : 36 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(21) Application No.640/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :21/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : SOLID FORM OF ALISKIREN INTERMEDIATE

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)MYLAN LABORATORIES LTD</b>
(32) Priority Date	:NA	Address of Applicant :PLOT NO 564/A/22, ROAD NO 92,
(33) Name of priority country	:NA	JUBILEE HILLS, HYDERABAD - 500 033 Andhra Pradesh
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)RAMA, SHANKAR</b>
(61) Patent of Addition to Application Number	:NA	<b>2)VADALI, LAKSHMANA RAO</b>
Filing Date	:NA	<b>3)MITTAPELLY, NAGARAJU</b>
(62) Divisional to Application Number	:NA	<b>4)RAVI, VIJAYA KRISHNA</b>
Filing Date	:NA	<b>5)SOOD, DIVYA</b>

(57) Abstract :

The present invention relates to isolation of a novel solid form of Aliskiren intermediate of compound of Formula-Y and further conversion into Aliskiren or its pharmaceutically acceptable salts with improved yield and quality.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.5846/CHENP/2007 A

(19) INDIA

(22) Date of filing of Application :18/12/2007

(43) Publication Date : 23/08/2013

(54) Title of the invention : A METHOD OF FORMING A CONTINUOUS METAL ARTICLE OF INDEFINITE LENGTH

(51) International classification :B22D11/00

(31) Priority Document No :60/284,952

(32) Priority Date :19/04/2001

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2002/12362

Filing Date :18/04/2002

(87) International Publication No :WO/2002/085557

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :1806/CHENP/2003

Filed on :18/04/2002

(71)Name of Applicant :

**1)ALCOA INC**

Address of Applicant :ALCOA CORPORATE CENTER, 201  
ISABELLA STREET, PITTSBURGH, PA 15212-5858 U.S.A.

(72)Name of Inventor :

**1)SAMPLE, VIVEK, M**

**2)REIGHARD, SCOTT, E**

**3)PAOLA, VINCENT, A**

**4)CHABAL, RONALD, G**

(57) Abstract :

The present invention relates to a molten metal supply system (90) including a plurality of injectors (100) each having an injector (102) and a reciprocating piston (104). A molten metal supply source (132) is in fluid communication with the housing (102) of each of the injectors (100). The piston (104) is movable through a first stroke allowing molten metal (134) to be received into the housing (102) from the molten metal supply source (132), and a second stroke for displacing the molten metal (134) from the housing (102). A pressurized gas supply source (144) is in fluid communication with the housing (102) of each of the injectors (100) through respective gas control valves (146). The molten metal supply system (90) is in fluid communication with an outlet manifold (140) having a plurality of outlet dies (404), which may be used to form continuous metal articles including rods, bars, ingots, and continuous plate.

No. of Pages : 54 No. of Claims : 18



(12) PATENT APPLICATION PUBLICATION

(21) Application No.5847/CHENP/2007 A

(19) INDIA

(22) Date of filing of Application :18/12/2007

(43) Publication Date : 23/08/2013

(54) Title of the invention : AN APPARATUS FOR FORMING CONTINUOUS METAL ARTICLES OF INDEFINITE LENGTH

(51) International classification :B22D11/00

(31) Priority Document No :60/284,952

(32) Priority Date :19/04/2001

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2002/12362

Filing Date :18/04/2002

(87) International Publication No :WO/2002/085557

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :1806/CHENP/2003

Filed on :18/04/2002

(71)Name of Applicant :

**1)ALCOA INC**

Address of Applicant :ALCOA CORPORATE CENTER, 201  
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(72)Name of Inventor :

**1)SAMPLE, VIVEK, M**

**2)REIGHARD, SCOTT, E**

**3)PAOLA, VINCENT, A**

**4)CHABAL, RONALD, G**

(57) Abstract :

The present invention relates to a molten metal supply system (90) including a plurality of injectors (100) each having an injector (102) and a reciprocating piston (104). A molten metal supply source (132) is in fluid communication with the housing (102) of each of the injectors (100). The piston (104) is movable through a first stroke allowing molten metal (134) to be received into the housing (102) from the molten metal supply source (132), and a second stroke for displacing the molten metal (134) from the housing (102). A pressurized gas supply source (144) is in fluid communication with the housing (102) of each of the injectors (100) through respective gas control valves (146). The molten metal supply system (90) is in fluid communication with an outlet manifold (140) having a plurality of outlet dies (404), which may be used to form continuous metal articles including rods, bars, ingots, and continuous plate.

No. of Pages : 54 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.5848/CHENP/2007 A

(19) INDIA

(22) Date of filing of Application :18/12/2007

(43) Publication Date : 23/08/2013

(54) Title of the invention : USE OF BENZOYL DERIVATIVE OF 3-AMINOCARBAZOLE FOR THE TREATMENT OF A DISORDER ASSOCIATED WITH THE PRODUCTION OF PROSTAGLANDIN E2 (PGE2)

(51) International classification :A61K31/404  
(31) Priority Document No :MI2005A000909  
(32) Priority Date :19/05/2005  
(33) Name of priority country :Italy  
(86) International Application No :PCT/EP2006/04348  
Filing Date :03/05/2006  
(87) International Publication No :WO 2006/122680  
A1  
(61) Patent of Addition 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)POLENZANI, LORENZO**  
**2)MANGANO, GIORGINA**  
**3)COLETTA, ISABELLA**  
**4)ALISI, MARIA, ALESSANDRA**  
**5)CAZZOLLA, NICOLA**  
**6)FURLOTTI, GUIDO**  
**7)MAUGERI, CATERINA**

(57) Abstract :

Use of a benzoyl derivative of 3-aminocarbazole to produce a drug for the preventive or therapeutic treatment of a disorder selected from the group comprising inflammatory processes, pain, fever, tumours, Alzheimers disease and atherosclerosis. Method for the preventive or therapeutic treatment of a disorder selected from the group comprising inflammatory processes, pain, fever, tumours, Alzheimers disease and atherosclerosis in which a therapeutically effective quantity of a benzoyl derivative of 3-aminocarbazole according to the invention is administered to an individual.

No. of Pages : 16 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.651/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : A CATALASE STIMULATING AGENT REDUCING GREYING OF HAIR FROM SARCOSTEMMA ACIDUM

(51) International classification	:A61K36/00	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)CAVINKARE PVT LTD.</b>
(32) Priority Date	:NA	Address of Applicant :CAVIN VILLE, NO. 12, CENOTAPH
(33) Name of priority country	:NA	ROAD, CHENNAI - 600 018 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)ANNAMALAI, MR. TIRUGANASAMBANDHAM</b>
(87) International Publication No	: NA	<b>2)RAO, DR. GOTTUMUKKALA VENKATESWARA</b>
(61) Patent of Addition to Application Number	:NA	<b>3)MUKHOPADHYAY, DR. TRIPTIKUMAR</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Catalase stimulator for reducing hydrogen peroxide levels in hair or hair follicle/skin and their cosmetic and/ or dermopharmaceutical compositions for delaying the greying of hair wherein the active ingredient comprise triterpene derivatives of Formula 1 or preferably p-amyrin of Formula 2 in effective amounts along with cosmetically acceptable vehicles with or without skin or hair benefit agents. The active ingredient may be preferably also isolated from the plant parts of Sarcostemma acidum.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.642/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :21/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHOD AND SYSTEM OF AUTOMATICALLY CONFIGURING INTELLIGENT ELECTRONIC DEVICES IN A SUBSTATION AUTOMATION SYSTEM

(51) International classification	:H04L	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)SCHNEIDER ELECTRIC INDUSTRIES SAS</b>
(32) Priority Date	:NA	Address of Applicant :35, RUE JOSEPH MONIER, F-92500
(33) Name of priority country	:NA	RUEIL MALMAISON France
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)MARUTHARAJ GANESAN</b>
(87) International Publication No	: NA	<b>2)MOHAMED SADAKKATHULLA ABDUL SALAM</b>
(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 method and system (101) of automatically configuring at least a IEC 61850 compliant Intelligent Electronic Device (IED) using the MAC address of the IED(s) in a Substation Automation (SA) system. The SA system comprises a client computer (102) connected to an Ethernet network and at least a IED (103) connected to said Ethernet network. The client computer (102) is provided with a storage repository (104) for storing IEC61850 configuration files, a configuration requestor module (105) and a request generator module (106), and each of the IEDs (103) is provided with a request handler module (107) and a device configurator module (108).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3197/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :09/04/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : IMPROVED PSEUDOMONAS EXOTOXIN A WITH REDUCED IMMUNOGENICITY

(51) International classification :C07K14/21,  
A61K47/48  
(31) Priority Document No :61/241,620  
(32) Priority Date :11/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/048504  
Filing Date :10/09/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

**1)THE GOVERNMENT OF THE UNITED STATES OF  
AMERICA AS REPRESENTED BY THE SECRETARY OF  
THE DEPARTMENT OF HEALTH AND HUMAN  
SERVICES**

Address of Applicant :National Institutes of Health Office of  
Technology Transfer 6011 Executive Boulevard Suite 325  
Rockville Maryland-20852-3804 U.S.A.

(72)Name of Inventor :

**1)PASTAN Ira H.  
2)BEERS Richard  
3)ONDA Masanori**

(57) Abstract :

The present invention provides improved Pseudomonas Exotoxin A (PE) molecules with high cytotoxicity and reduced immunogenicity compositions containing the improved (PE) and method of use.

No. of Pages : 75 No. of Claims : 49

(12) PATENT APPLICATION PUBLICATION

(21) Application No.537/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :14/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : APPARATUS FOR CONTROLLING INTERNAL COMBUSTION ENGINE•

(51) International classification :F02D

(31) Priority Document No :2011-035429

(32) Priority Date :22/02/2012

(33) Name of priority country :Japan

(86) International Application No :NA

Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)SUZUKI MOTOR CORPORATION**

Address of Applicant :300 Takatsuka-cho Minami-ku  
Hamamatsu-shi Shizuoka-ken Japan

(72)Name of Inventor :

**1)Kenji SATO**

**2)Teruaki WATANABE**

(57) Abstract :

An apparatus for controlling an internal combustion engine executes air-fuel ratio feedback control based on a detection result of an exhaust gas sensor and when the engine is shut down stops energization of a heater of the exhaust gas sensor at a predetermined timing after shutdown of the engine heater control of the exhaust gas sensor is executed which is suitable for a case in which shutdown time of the engine is set long and thus the exhaust gas sensor is protected from thermal shock The control apparatus sets timing for stopping energization of a heater of an exhaust gas sensor after shutdown of the engine to a point in time when a predetermined time set based on outside air temperature has elapsed or a point in time when cooling water temperature of the engine has dropped to a predetermined temperature.

No. of Pages : 28 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9532/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :19/12/2011

(43) Publication Date : 23/08/2013

(54) Title of the invention : NOVEL PHENYLIMIDAZOLE DERIVATIVE AS PDE10A ENZYME INHIBITOR

(51) International classification :C07D403/12  
(31) Priority Document No :PCT/DK2009/050134  
(32) Priority Date :19/06/2009  
(33) Name of priority country :PCT  
(86) International Application No :PCT/DK2010/050147  
Filing Date :17/06/2010  
(87) International Publication No :WO 2010/145668 A1  
(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)H. LUNDBECK A/S**  
Address of Applicant :9, OTTILIAVEJ, DK-2500 VALBY  
Denmark  
(72)Name of Inventor :  
**1)RITZEN, ANDREAS**  
**2)KEHLER, JAN**  
**3)LANGGARD, MORTEN**  
**4)NIELSEN, JACOB**  
**5)KILBURN, JOHN PAUL**  
**6)FARAH, MOHAMED M.**

(57) Abstract :

The invention provides the compound 5,8-Dimethyl-2-[2-(1-methyl-4- phenyl- 1H-imidazol-2-yl)-ethyl] -[ 1,2,4] thazolo[ 1,5 -  
ajpyrazine and pharmaceutically acceptable acid addition salts thereof.

No. of Pages : 33 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.641/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :21/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : A METHOD OF EXTENDING DEVICE CONFIGURATION CAPABILITIES OF NETWORK DEVICES AND SYSTEM THEREOF

(51) International classification	:H04L	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)SCHNEIDER ELECTRIC INDUSTRIES SAS</b>
(32) Priority Date	:NA	Address of Applicant :35, RUE JOSEPH MONIER, F-92500
(33) Name of priority country	:NA	RUEIL MALMAISON France
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)CHARLES KUNCHERIA</b>
(87) International Publication No	: NA	<b>2)SUDEEP GAURKAR</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention discloses a method and system of extending device configuration of devices connected in a network. The method includes generating applications on a computer system corresponding to configuration characteristics of the devices wherein such applications function as device mocks, establishing synchronization link between the device mocks and the devices, and updating device configuration of the devices by a device configuration tool. The device configuration tool communicates with the device mocks as proxy devices of the original devices.

No. of Pages : 13 No. of Claims : 5



(12) PATENT APPLICATION PUBLICATION

(21) Application No.562/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :15/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : CONTEXTUAL USE AND EXPIRATION OF DIGITAL CONTENT

(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

(71)Name of Applicant :

**1)EMPIRE TECHNOLOGY DEVELOPMENT LLC**

Address of Applicant :2711 Centerville Road Suite 400

Wilmington De 19808 U.S.A.

(72)Name of Inventor :

**1)KHURSHIDALI SHAIKH**

**2)ANOOP P. BALAKUNTHALAM**

**3)RAVI PETLUR**

**4)SHAFEEQ AHMED**

**5)GAURAV SONI**

(57) Abstract :

Technologies related to contextual use and expiration of digital content are generally described. In some examples a receiving device may connect with a sponsoring device having the digital content. A relationship property defines a relationship context between the receiving device and the sponsoring device. The receiving device may receive the digital content from the sponsoring device and use the digital content so long as allowed as determined with reference to the relationship property.

No. of Pages : 50 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.561/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :15/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : KINESTHETIC FORCE FEEDBACK APPARATUS

(51) International classification	:F03G	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)PES SCHOOL OF ENGINEERING</b>
(32) Priority Date	:NA	Address of Applicant :HOSUR ROAD(1KM BEFORE
(33) Name of priority country	:NA	ELECTRONIC CITY), BANGALORE - 560 100 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)SANDEEP C. SENAN</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An apparatus for generating kinesthetic force feedback of an action stroke comprises a support handle, a chamber rigidly connected to the support handle, a swingable hammer contained within an enclosed space defined by a generally curved wall of the chamber, and a pointing member. The swingable hammer comprises an elongate member extending from the support handle into the enclosed space, and a head member slidably connected on the elongate member. The elongate member is configured to controllably oscillate about the support handle. The head member is configured to longitudinally traverse the elongate member during performance of the action stroke. The pointing member is rigidly attached to the head member and is configured to controllably strike one or more inner surfaces of the curved wall of the chamber when the elongate member controllably oscillates within the enclosed space of the chamber, for generating the kinesthetic force feedback of the action stroke.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.592/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :17/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : COMPOSITION OF SPIRULINA ALGAE WITH SPICES FOR THE PREPARATION OF SPIRULINA FOOD SUPPLEMENT

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)LAKSHMIS NUTRACEUTICAL PRIVATE LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :SURVEY NO: 425/5, NO: 92,
(33) Name of priority country	:NA	SEYYOR, ARAKKONAM, VELLORE DISTRICT 631 004
(86) International Application No	:NA	Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)R.K. LEELA KRISHNAN</b>
(61) Patent of Addition to Application Number	:NA	<b>2)P. SUDHARSANAM</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A composition of Spirulina food supplement which includes mixture of spirulina powder with minimum quantity of spices by which the distinctive taste and odour of spirulina are minimized and all the functional and unique nutrients are retained. This composition gives purely 100% natural spirulina food supplement as human dietary supplement.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.591/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :17/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : EFFECTIVE UTILIZATION OF AN INTEGRATED SELF CARE PORTAL FOR AN ENRICHED CUSTOMER EXPERIENCE

(51) International classification	:H01L	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)INFOSYS LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :IP CELL, PLOT NO.44,
(33) Name of priority country	:NA	ELECTRONIC CITY, HOSUR ROAD, BANGALORE - 560 100
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)MANAV SINGAL</b>
(61) Patent of Addition to Application Number	:NA	<b>2)SHIVANI GUPTA</b>
Filing Date	:NA	<b>3)MANDEEP SINGH SIDHU</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This disclosure concerns an effective utilization of a self-care online portal containing enriched customer experience. Here the portal upon receiving a validated search string relevant to an issue faced and entered by the user through a web interface, displays the relevant information retrieved from the database by the server on the web interface thus enabling the user to resolve the issue by self-based on the retrieved relevant information. The user then gets rewarded for successful self-resolution of issue. Additionally, the user also gets an option of initiating one or more interaction channels comprising of but not restricted to a multimedia session or an audio conversation using a communicating device or a web enabled user discussion forums to further help in resolving the issue in a time effective optimized manner thereby creating an enriched customer experience.

No. of Pages : 26 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(21) Application No.551/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :15/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : SYSTEM AND METHOD OF SENDING CORRECTION DATA TO A BUFFER OF A NON-VOLATILE MEMORY•

(51) International classification	:H04L	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)SANDISK TECHNOLOGIES INC.</b>
(32) Priority Date	:NA	Address of Applicant :Two Legacy Town Center 6900 North
(33) Name of priority country	:NA	Dallas Parkway Plano Texas 75024 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)Omprakash Bisen</b>
(87) 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 method includes receiving data from a buffer of a non-volatile memory. An error correction coding (ECC) operation is initiated to correct bit errors in the data. Correction data is sent to the buffer to correct the bit errors in the data.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.598/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :18/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : HALO-TYPE LED LAMP

(51) International classification	:F21V	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)CERAMATE TECHNICAL CO. LTD.</b>
(32) Priority Date	:NA	Address of Applicant :1F No. 66-5 Sec.2 Nan-Kan Rd.
(33) Name of priority country	:NA	Luch Taoyuan County TAIWAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)WANG Robert</b>
(87) 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 halo-type LED lamp includes a lamp holder provided with an accommodating groove formed with an opening. An LED light source is received in the interior of the accommodating groove and a light-guiding ring is annularly mounted on the circumferential edge of the opening of the lamp holder. When the LED light source is started to emit light a little part of the light will be emitted to the light-guiding ring to make the light-guiding ring shine and form a halo around the circumferential edge of the opening of the lamp holder to offer illumination to the circumference of the halo-type LED lamp. Further the colored light produced by the colored light-guiding ring will function to produce esthetic sense of decoration to the whole space for building a pleasant atmosphere.

No. of Pages : 17 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.650/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : STARTER MOTOR

(51) International classification

:F02N

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)TVS MOTOR COMPANY LIMITED**

Address of Applicant :JAYALAKSHMI ESTATES, NO. 29  
(OLD NO. 8), HADDOWS ROAD, CHENNAI-600 006 Tamil  
Nadu India

(72)Name of Inventor :

**1)ANNAMALAI PALANIAPAN**

**2)DIPSITA BANERJEE**

(57) Abstract :

Present invention provides a starter motor having main housing member made up of resin material and an armature assembly extending through the centre part of housing member and defining a front armature member. This front armature member has a pinion shaft module and a rear armature member with a commutator. In mentioned starter motor rotatable armature shaft is assembled with the front armature member through engagement of said pinion shaft module and a reduction gear housed in the front housing member. A brush card of dielectric material housed in the rear housing member such that electrical conducting brushes engaged with rear armature assembly through the commutator is mounted brush card. Said starter motor has considerably compact size with no grounding requirement and ability to produce high torque force on lower input.

No. of Pages : 10 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.579/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :16/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : A PHOTOVOLTAIC PUMPING SYSTEM

(51) International classification	:H01L	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)PRAVEEN JAMBHOLKAR</b>
(32) Priority Date	:NA	Address of Applicant :CYBERMOTION TECHNOLOGIES,
(33) Name of priority country	:NA	#234, ROAD NO: 14, BANJARA HILLS, HYDERABAD - 500
(86) International Application No	:NA	034 Andhra Pradesh India
Filing Date	:NA	<b>2)ANAND JAMBHOLKAR</b>
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)PRAVEEN JAMBHOLKAR</b>
Filing Date	:NA	<b>2)ANAND JAMBHOLKAR</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A photovoltaic pumping system for pumping liquid comprising at least one photovoltaic array coupled to a drive unit, the drive unit further coupled to a motor, the drive unit comprising: a voltage converter to receive DC power provided by the photovoltaic array and generate additional DC power, the voltage converter comprising a first control unit comprising: a sensing means to sense predetermined electrical parameters of the power provided by the PV array to the drive unit, and a processing unit to process the sensed electrical parameters and generate a PWM signal based on the sense parameters; and an inverter connected to the voltage converter, the inverter adapted to receive said additional DC power from the voltage converter and generate corresponding AC power to drive the motor.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.664/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : A method for estimating fuel volume in a tanker positioned at cellular site of a telecommunication system

(51) International classification

:B41M

(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)Tejas Networks Limited**

Address of Applicant :2nd floor GNR Tech Park 46/4

Garbebhavi Palya Kudlu Gate Hosur main road Bangalore 560

068 Karnataka India

(72)Name of Inventor :

**1)Ashvin Lakshmikantha**

(57) Abstract :

The present disclosure is successful in providing a simple reproducible economical and efficient methodology for estimating liquid volume in a tanker. More particularly it helps in overcoming the limitations of the prior art involved in estimating the fuel volume in a tanker positioned at cellular site of a Telecommunication Power Systems [TPS].

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.616/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :20/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : PROCESS FOR PREPARING RIVASTIGMINE TARTRATE AND ITS INTERMEDIATES

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)SHILPA MEDICARE LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :R&D UNIT, SURVEY NO 207,
(33) Name of priority country	:NA	MODAVALASA, VIZIANAGARAM DIST - 531 162 Andhra
(86) International Application No	:NA	Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)PUROHIT, PRASHANT</b>
(61) Patent of Addition to Application Number	:NA	<b>2)SRIRAM, RAMPALLI</b>
Filing Date	:NA	<b>3)VIJAYA MURALI MOHANRAO, SESHAGIRI</b>
(62) Divisional to Application Number	:NA	<b>4)LAVKUMAR, UPALLA</b>
Filing Date	:NA	

(57) Abstract :

A present invention relates to a process for the preparation of Rivastigmine tatrate and its intermediates.

No. of Pages : 13 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.663/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : A CLOCK SYNCHRONIZATION AND DISTRIBUTION METHOD AND SYSTEM DURING CARD SWITCHOVER IN A REDUNDANT TRANSMISSION SYSTEM

(51) International classification	:H04L	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)Tejas Networks Limited</b>
(32) Priority Date	:NA	Address of Applicant :2nd floor GNR Tech Park 46/4
(33) Name of priority country	:NA	Garbebhavi Palya Kudlu Gate Hosur main road Bangalore 560
(86) International Application No	:NA	068 Karnataka India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)Vyasraj Satyanarayana</b>
(61) Patent of Addition to Application Number	:NA	<b>2)Dhiraj Kiran B</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a method and system of clock recovery and synchronization during card switchover in a redundant transmission system. In one embodiment this is accomplished by exchanging periodically timing information by a slave work card with a master device clock to synchronize the time base reference clock precisely wherein the timing information i.e. time stamp frame comprises at least an original time stamp about the time when the slave work card clock side transmits and receives a synchronous (Sync) packet snooping the published slave work card sync packet by a plurality of slave protect cards with the time stamp value of the master device clock and compensating the time stamp value appropriately by all the slave protect cards with the snooped sync packet time stamp value of the slave work card.

No. of Pages : 25 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.5479/CHENP/2007 A

(19) INDIA

(22) Date of filing of Application :29/11/2007

(43) Publication Date : 23/08/2013

(54) Title of the invention : OXIDATIVE STABLE OIL FORMULATION

(51) International classification :C10M141/08

(31) Priority Document No :05013535.9

(32) Priority Date :23/06/2005

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2006/63433

Filing Date :22/06/2006

(87) International Publication No :WO 2006/136591

A1

(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)SHELL INTERNATIONALE RESEARCH**

**MAATSCHAPPIJ B.V**

Address of Applicant :CAREL VAN BYLANDTLAAN 30,

NL-2596 HR THE HAGUE. Netherlands

(72)Name of Inventor :

**1)NULL, VOLKER, KLAUS**

**2)HILKER, ANDREE**

(57) Abstract :

Oxidation stable oil formulation comprising a base oil composition comprising a mineral-derived naphthenic base oil, a mineral - derived paraffinic base oil, and/or a Fischer-Tropsch derived paraffinic base oil, a copper passivator and at most 0.1 wt% of an organic sulphur or phosphorus anti-wear additive.

No. of Pages : 45 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.612/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :20/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : A PORTABLE CABLE WAY FOR POINT TO POINT CONVEYANCE OF GOODS

(51) International classification	:B65G	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)INDIAN INSTITUTE OF TECHNOLOGY</b>
(32) Priority Date	:NA	Address of Applicant :IIT P.O., CHENNAI 600 036 Tamil
(33) Name of priority country	:NA	Nadu India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)DR SHANKAR KRISHNAPILLAI</b>
(87) International Publication No	: NA	<b>2)N. SIVASUBRAMANIAN</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A portable cable way for point to point conveyance of goods comprising a plurality of spaced supports, each such support having a pair of frames inclined towards each other and fastened at their top, the said frames resting on the ground: a top cable passing at the top of the supports and fixed at its ends, on which a plurality of trolleys loaded with goods run in one direction for conveyance of the said goods; a bottom cable passing at the bottom of the supports and fixed at its ends, on which the said trolleys, after delivery of the goods, run in the other direction for receiving a fresh supply of goods; a recirculating rope for pulling the loaded trolleys on the top cable and the unloaded trolleys on the bottom cable, said rope being driven by a prime mover.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.666/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : A METHOD AND SYSTEM FOR SEGMENTED FILE TRANSFER OVER A COMMUNICATIONS NETWORK

(51) International classification

:H04L

(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)Tejas Networks Limited**

Address of Applicant :2nd floor GNR Tech Park 46/4  
Garbebhavi Palya Kudlu Gate Hosur main road Bangalore 560  
068 Karnataka India

(72)Name of Inventor :

**1)VINOD KUMAR MADALAH**

(57) Abstract :

The present invention relates to a method and system for segmented file transfer over a communication network. In one embodiment this can be accomplished by registering at least two user devices and at least one server with at least one lookup server receiving a request from at least one user device for download of content from at least one server and segmenting the requested content into plurality of diminutive content wherein the segmentation is based on the information available with the lookup server or based on the information in the request and based on server load or traffic.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.613/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :20/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : A MANUALLY POWERED TRICYCLE FOR A PERSON WITH ONE OR BOTH LOWER LIMBS DISABLED

(51) International classification	:B62K	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)INDIAN INSTITUTE OF TECHNOLOGY</b>
(32) Priority Date	:NA	Address of Applicant :IIT P.O., CHENNAI 600 036 Tamil
(33) Name of priority country	:NA	Nadu India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)ADITYA SONI</b>
(87) International Publication No	: NA	<b>2)SANDIPAN BANDYOPADHYAY</b>
(61) Patent of Addition to Application Number	:NA	<b>3)RAMANATHAN MUTHUGANAPATHY</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A manually powered tricycle for a person with one or both lower limbs disabled, comprising one wheel in the front and two in the rear, the two rear wheels being mounted on two independent wheel-carriages pivoted with the chassis, the front wheel being manually powered by a crank-pedal assembly; a brake-lever and parking-brake clip provided on the tiller; independent rear shock-absorbers; at least one openable arm-rest on at least one side of the vehicle with a lock therefore; independently adjustable foot-rests; and a parking-brake clip attachment

No. of Pages : 11 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.631/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :20/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : PRESSURE ADJUSTMENT DEVICE FOR OIL PRESSURE AUTOMATIC SHOE UPPER MACHINE

(51) International classification	:H04W	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SINCERE PIONEER MACHINERY CO. LTD.
(32) Priority Date	:NA	Address of Applicant :3rd Industrial Zone Qiaotou Houjie
(33) Name of priority country	:NA	Town Dongguan City Guangdong Province China
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Liao Chao Chung
(87) 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 pressure adjustment device for an oil pressure automatic shoe upper machine includes a main body and an oil pressure control system disposed on the main body. The oil pressure control system includes a pressure adjustment valve a hand wheel and a transmission shaft. The pressure adjustment valve is disposed in the main body. The hand wheel is exposed out of the main body. The transmission shaft is connected between the hand wheel and the pressure adjustment valve. The hand wheel is exposed out of the main body and the transmission shaft is connected between the hand wheel and the pressure adjustment valve. When in use the hand wheel is direct turned to adjust the pressure adjustment valve through the transmission shaft so as to control oil pressure. There is no need to open the casing of the main body to simplify the operation procedure of oil pressure adjustment.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.649/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : TURN SIGNAL LAMP

(51) International classification

:A63F

(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**

Address of Applicant :JAYALAKSHMI ESTATES NO. 29  
(OLD NO. 8) HADDOWS ROAD, CHENNAI-600 006 Tamil  
Nadu India

(72)Name of Inventor :

**1)KRISHNABHATTA NAGARAJA**

**2)THANIKACHALAM GUNALAN**

**3)RAMANATHAN ANANTHA NARAYANAN**

(57) Abstract :

The present invention provides a turn signal lamp arrangement which can be positioned at four different positions comprises two guiding stays; a projection; a slot and a spring. The present invention decrease assembly complexity and part counts.

No. of Pages : 11 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.652/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : HAIR GROWTH COMPOSITION USING QUINAZOLINE ALKALOIDS

(51) International classification	:A61K31/00	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)CAVINKARE PVT. LTD.</b>
(32) Priority Date	:NA	Address of Applicant :CAVIN VILLE, NO. 12, CENOTAPH
(33) Name of priority country	:NA	ROAD, CHENNAI - 600 018 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)RAO, DR. GOTTUMUKKALA VENKATESWARA</b>
(87) International Publication No	: NA	<b>2)SAHOO, MR. MANAS RANJAN</b>
(61) Patent of Addition to Application Number	:NA	<b>3)LAVAKUMAR, MR. SIVANANDAM</b>
Filing Date	:NA	<b>4)MUKHOPADHYAY, DR. TRIPTIKUMAR</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Hair growth promoting/ stimulating/ enhancing or preventing hair loss agent comprising quinazoline alkaloids or its derivatives of Formula 1 more preferably selected from Vasicine of Formula 2 and cosmetic and dermopharmaceutical compositions obtained thereof in association with a cosmetically and / or dermopharmaceutically acceptable vehicle with or without other hair/ skin care benefiting agents.

No. of Pages : 29 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3965/CHENP/2008 A

(19) INDIA

(22) Date of filing of Application :29/07/2008

(43) Publication Date : 23/08/2013

(54) Title of the invention : 7H-PYRIDO[3,4-D]PYRIMIDIN-8-ONES, THEIR MANUFACTURE AND USE AS PROTEIN KINASE INHIBITORS

(51) International classification	:C07D471/04
(31) Priority Document No	:06001915.5
(32) Priority Date	:31/01/2006
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2007/00725
Filing Date	:29/01/2007
(87) International Publication No	:WO 2007/088014
	A1
(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)F. HOFFMANN-LA ROCHE AG**  
Address of Applicant :124 GRENZACHERSTRASSE, CH-4070 BASEL Switzerland

(72)**Name of Inventor :**  
**1)HONOLD, KONRAD,**  
**2)PAUL, JANE**  
**3)ROESCHLAUB, CARL**  
**4)SCHAEFER, WOLFGANG**  
**5)SCHEIBLICH, STEFAN**  
**6)VON HIRSCHHEYDT, THOMAS**  
**7)WHITTLE, ALAN**

(57) Abstract :

Objects of the present invention are the compounds of formula (I) their pharmaceutically acceptable salts, enantiomeric forms, diastereoisomers and racemates, the preparation of the above compounds, medicaments containing them and their manufacture, as well as the use of the above compounds in the control or prevention of illnesses such as cancer.

No. of Pages : 65 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.555/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :15/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : AN INSPECTION GAUGE FOR T-ROOT BLANKS

(51) International classification	:F01D	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)Triveni Turbine Limited</b>
(32) Priority Date	:NA	Address of Applicant :12A Peenya Industrial Area Bangalore
(33) Name of priority country	:NA	Karnataka India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)Subramanya. M</b>
(87) International Publication No	: NA	<b>2)Manjunath. M</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An inspection gauge for T-root blanks as shown in figure 4 is disclosed wherein the problem of prolonged time consumption in checking the symmetry of T-root blanks is reduced by providing a new inspection gauge and new method of inspection. As a result the productivity of quality check to check the symmetry of T-root blanks has increased drastically from 1 blade in 1.8 minutes to 9 blades in 1.8 minutes.

No. of Pages : 23 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.587/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :17/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : AN ART, METHOD, MANNER, PROCESS AND PROCEDURE FOR PREVENTION OF RELAPSE OF ANTERIOR INTERDENTAL SPACING AFTER ORTHODONTIC CORRECTION

(51) International classification	:A61C	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)DR. PRAVEEN GEORGE ITTYCHERIA</b>
(32) Priority Date	:NA	Address of Applicant :MALLOOTHRA HOUSE, KOLLAD
(33) Name of priority country	:NA	P.O., KOTTAYAM Kerala India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)DR. PRAVEEN GEORGE ITTYCHERIA</b>
(87) 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 :

Art, method, manner, process, design, pattern, system done after the closure of anterior interental spaces and prior to the removal of fixed othodontic appliances which allows complete bone formation around the bodily moved teeth, minimises scar formation and confirm proximity of realigned teeth.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.629/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :20/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : A COMPUTER NETWORK BASED GRAPHICAL INTERFACE TO FACILITATE AUTOMATED ONLINE TRADING

(51) International classification	:G06Q	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)KUNAL NANDWANI</b>
(32) Priority Date	:NA	Address of Applicant :3/10, 1ST STREET, NORTH BOUG
(33) Name of priority country	:NA	ROAD, OFF GN CHETTY STREET, T.NAGAR, CHENNAI -
(86) International Application No	:NA	600 017 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)KUNAL NANDWANI</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An online trading and information display system that accesses a plurality of information sources and displays a pop-up window based on the search keywords entered by the users. The results displayed in the pop-up window are based on the search keywords entered by the user. A cloud computing server uses the search keywords, information from the user's portfolio such as stock information, trading history to compute the results to be displayed in the pop-up window. The results displayed contain the stock information and hyperlinks to the sources of information. The pop-up window also enables the users to make quick decisions with regard to buying and selling of the stock displayed.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.564/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :15/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHODS FOR ENHANCING PERFORMANCE OF SERIAL FLASH MEMORY

(51) International classification	:G11C	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)MEDIATEK INC.</b>
(32) Priority Date	:NA	Address of Applicant :No. 1 Dusing Rd. 1st Science-Based
(33) Name of priority country	:NA	Industrial Park Hsin-Chu Taiwan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)Chou Yu-Shan</b>
(87) International Publication No	: NA	<b>2)Su Jien-Jia</b>
(61) Patent of Addition to Application Number	:NA	<b>3)Wu Cheng-Ting</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Methods for enhancing performance of a serial flash memory in a performance-enhanced mode are proposed. The serial flash memory is connected to a memory controller through at least a serial clock (SCK) line a serial chip select (SCS) line and a plurality of serial input/output (SIO) lines. In one embodiment the serial flash memory first counts an enabled duration during which the SCS line is continuously maintained at an enabled state. If the enabled duration is longer than a threshold number of cycles of a clock signal on the SCK line the serial flash memory regards information received from the memory controller through the SIO lines during the enabled duration as a command-omitted read instruction. Otherwise the serial flash memory regards information received from the memory controller through the SIO lines during the enabled duration as a non-read instruction.

No. of Pages : 23 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.628/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :20/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : APPAREL WITH INTEGRAL HEATING AND COOLING DEVICE

(51) International classification

:H01L

(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)DHAMA INNOVATIONS PVT. LTD.**

Address of Applicant :503 Legend Apartments Street Number  
7 Himayatnagar Hyderabad Andhra Pradesh 500029 Karnataka  
India

(72)Name of Inventor :

**1)VISTAKULA Kranthi Kiran**

(57) Abstract :

A device for heating or cooling a body of a user is provided. The device includes a thermoelectric module a heat sink thermally coupled to the thermoelectric module a wetting material in thermal communication with the heat sink and a controller for cycling the thermoelectric module in accordance with a duty cycle. Additionally a method of heating or cooling a portion of a body of a user is provided. The method includes cycling electrical power to a thermoelectric module at a duty cycle transferring heat from the thermoelectric module to a heat sink and evaporating a liquid from a wetting material disposed on the heat sink. The evaporated liquid enters the surrounding atmosphere.

No. of Pages : 43 No. of Claims : 27



(12) PATENT APPLICATION PUBLICATION

(21) Application No.665/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : A SYSTEM OF FLEXIBLE POWER DISTRIBUTION SCHEME FOR HIGH AVAILABILITY SYSTEMS

(51) International classification

:H02J

(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)Tejas Networks Limited**

Address of Applicant :2nd floor GNR Tech Park 46/4

Garbebhavi Palya Kudlu Gate Hosur main road Bangalore 560  
068 Karnataka India

(72)Name of Inventor :

**1)Gopalkrishna Nayak A.**

(57) Abstract :

The present invention relates to a power supply systems and particularly to the power distribution scheme for high availability systems. In one embodiment this is accomplished by a plurality of power sources an electronic device wherein the electronic device coupled to the plurality of power sources via input lines each input line coupling the electronic device to a respective power source and a plurality of switches includes a first switch and a second switch coupled between the electronic device and the respective power source with both switches on the system act as a dual bus scheme and with one switch is on the system act as a single bus scheme.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.589/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :17/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : AN IMPROVED PROCESS FOR THE PREPARATION OF ALISKIREN

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)MYLAN LABORATORIES LTD</b>
(32) Priority Date	:NA	Address of Applicant :PLOT NO 564/A/22, ROAD NO 92,
(33) Name of priority country	:NA	JUBILEE HILLS, HYDERABAD - 500 033 Andhra Pradesh
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)RAMA, SHANKAR</b>
(61) Patent of Addition to Application Number	:NA	<b>2)VADALI, LAKSHMANA RAO</b>
Filing Date	:NA	<b>3)MANUKONDA, SESHADRI RAO</b>
(62) Divisional to Application Number	:NA	<b>4)DASARI, SRINIVASA RAO</b>
Filing Date	:NA	<b>5)DANDALA, RAMESH</b>

(57) Abstract :

The present invention relates to an improved process for the preparation of pure compound of Formula-II, which is an intermediate in the preparation of Aliskiren and further conversion of compound of Formula-II into Aliskiren or its pharmaceutically acceptable salts.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.604/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :20/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : METHOD APPARATUS AND COMPUTER PROGRAM PRODUCT FOR MANAGEMENT OF MEDIA FILES

(51) International classification	:G11B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)NOKIA CORPORATION</b>
(32) Priority Date	:NA	Address of Applicant :Keilalahdentie 4 FIN-02150 Espoo
(33) Name of priority country	:NA	Finland
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)Soumik Ukil</b>
(87) 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 :

Provided herein are a method, apparatus and computer program product for the management of media files, for summarizing groups of media files, and presenting summarized groups of media files to a user. Example methods may include accessing a plurality of media files, obtaining identification of objects within each media file, and determining the minimum set cover of media files from the plurality of media files, where the minimum set cover of media files includes at least one media file comprising each object identified. The method may include determining a weight of each media file, where determining the weight includes analyzing the metadata of each media file. Example methods may also include identifying a dominant set from the plurality of media files, where the dominant set includes at least one dominant media file, and identifying at least one non-dominant media file from the plurality of media files.

No. of Pages : 38 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1908/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :14/05/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : ADAPTIVE DISPLAY STREAMS

(51) International classification	:H04N 21/00
(31) Priority Document No	:201210039852.2
(32) Priority Date	:20/02/2012
(33) Name of priority country	:China
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)VIXS SYSTEMS, INC.**

Address of Applicant :1210 SHEPPARD AVENUE EAST,  
SUITE 800, TORONTO, ONTARIO M2K 1E3 Canada

(72)Name of Inventor :

**1)DONG, SUIWU**

**2)JIN, SONG**

(57) Abstract :

A transcoding device receives an input stream representing media information designated for display at a sink device. The transcoding device generates multiple display streams based on the input stream, wherein each of the display streams has a different transmission characteristic, such as a different bit rate or resolution. The transcoding device selects one of the generated display streams based on a network characteristic, such as a bandwidth or latency, and communicates the selected stream to the network for transmission to the sink device. In response to a change in the network characteristic, a different one of the generated display streams is selected and communicated to the network for transmission to the sink device.

No. of Pages : 22 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.588/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :17/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : NOVEL PROCESS FOR THE PREPARATION OF ALPHA 1A ADRENOCEPTOR ANTAGONIST

(51) International classification	:C07D	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)MSN LABORATORIES LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :FACTORY: SY.NO.317 & 323,
(33) Name of priority country	:NA	RUDRARAM (VIL), PATANCHERU (MDL), MEDAK (DIST) -
(86) International Application No	:NA	502 329 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)SRINIVASAN THIRUMALAI RAJAN</b>
(61) Patent of Addition to Application Number	:NA	<b>2)SAJJA ESWARAI AH</b>
Filing Date	:NA	<b>3)VENKATESH MUMMADI</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a novel process for the preparation of 1-(3-hydroxypropyl)-5-[(2R)-2-({2-[2-(2,2,2-trifluoroethoxy)phenoxy]ethyl} amino)propyl]-2,3-dihydro-1H-indole-7-carboxamide compound represented by the following structural formula-1.

No. of Pages : 30 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.603/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :20/02/2012

(43) Publication Date : 23/08/2013

(54) Title of the invention : LKAID-LAXMI KANTH AIMING DEVICE

(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

(71)Name of Applicant :

**1)THE REGISTRAR**

Address of Applicant :C/O NITTE UNIVERSITY,  
DERALAKATTE - 575 018 Karnataka India

(72)Name of Inventor :

**1)DR. SHISHIR RAM SHETTY**

**2)DR. EDWIN. K.V.**

**3)DR. SUBHAS BABU**

(57) Abstract :

The objective was to invent a device that would assist dental students in locating the extra oral landmarks for directing the central x-ray beam so that an accurate intra oral radiograph can be obtained. For this purpose, a circular polymethylmethacrylate ring and plate were fabricated with a Class II, ANSI Z 136.1 LASER positioned in the centre of the polymethylmethacrylate plate. The batteries of the laser are mounted on the circular ring. The device is capped to the circular position indicating device. The laser is switched on and the Extraoral landmark is aimed at. The device is then uncapped and the routine radiographic procedure is carried out. The use of LKAiD is an economic and efficient method for training of students in dental radiography. In the future, our innovation could be helpful in further diminishing of the diameter of a circular collimator thereby bringing about a significant reduction in radiation exposure.

No. of Pages : 8 No. of Claims : 1

(54) Title of the invention : MOBILE PHONE INTERPRETERD

(51) International classification :H04M1/22  
 (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

(71)Name of Applicant :

**1)BADAL NAYAK**

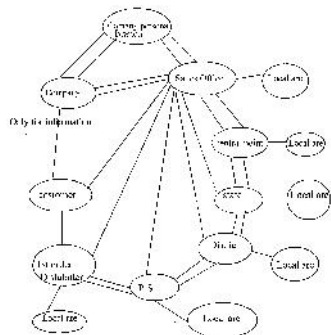
Address of Applicant :VILL-PURBABAR, P.O. ILASHPUR,  
 P.S.-BHAGWANPUR, DIST, PURBA MEDINIPUR, 721601  
 West Bengal India

(72)Name of Inventor :

**1)BADAL NAYAK**

(57) Abstract :

The customers will take a coupon by submitting money. Its value to the shop keeper. The customer may send this number to the SIM of the person he wants. The like 140 then we write number, similarly here also there will be different number. The person who carries the coupon number of money -with drawl, will get money giving the coupon number to the shop-keeper. Then the shopkeeper will go to the office and the number in the computer. Then immediately money will come from the computer. Then the number of the coupon in his sim will be invalid. Then the coupon number will go from police station to District to State to Central point to sales office to company personal Branch office or Direct company. As easy recharge is made one can get also easy money in this System. will get money giving the easy recharge to the shop keeper. Only for code number. will be collected by 1st order distributor or police station or any other branch.



No. of Pages : 4 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.195/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :20/02/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : FLUID CONNECTOR COMPONENT COMPRISING SEVERAL PLUGGABLE ELEMENTS

(51) International classification	:A61M39/10	(71)Name of Applicant :
(31) Priority Document No	:12156560.0	<b>1)ERBE ELEKTROMEDIZIN GMBH</b>
(32) Priority Date	:22/02/2012	Address of Applicant :WALDHOERNLESTRASSE 17,
(33) Name of priority country	:EPO	72072 TÜBINGEN, GERMANY
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)STEFAN GRO</b>
(87) 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 connector comprises pluggable elements, for example in the form of connector pins (23 - 25) or connector sockets (32 - 34) that are supported so as to be at least minimally movable in a direction transverse to a joining direction (13). Resilient means (46, 57) may be disposed for prespecifying a rest position of the corresponding pluggable elements in order to arrange them so as to prevent rattling.

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

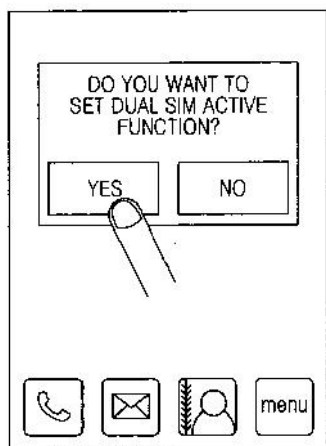


(54) Title of the invention : APPARATUS AND METHOD FOR PORTABLE TERMINAL HAVING DUAL SUBSCRIBER IDENTITY MODULE CARD

(51) International classification	:H04B5/02	(71)Name of Applicant :
(31) Priority Document No	:10-2012-0016940	<b>1)SAMSUNG ELECTRONICS CO., LTD.</b>
(32) Priority Date	:20/02/2012	Address of Applicant :129, SAMSUNG-RO, YEONGTONG-GU SUWON-SI, GYEONGGI-DO, REPUBLIC OF KOREA
(33) Name of priority country	:Republic of Korea	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)IN-HO BAEK</b>
Filing Date	:NA	
(87) 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 method of operating a portable terminal having a dual Subscriber Identity Module (SIM) card is provided. The method includes displaying a message regarding whether to set a dual SIM active function, selecting an area included in the message, and confirming a setting of the dual SIM active function upon the selection of the area included in the message.



No. of Pages : 34 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.178/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :18/02/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : VEHICLE REAR STRUCTURE

(51) International classification

:B60K23/02

(31) Priority Document No

:2012-

033795

(32) Priority Date

:20/02/2012

(33) Name of priority country

:Japan

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)SUZUKI MOTOR CORPORATION**

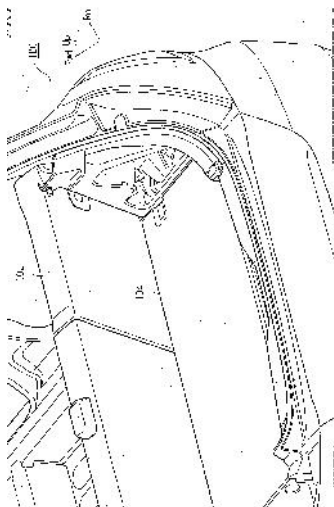
Address of Applicant :300 TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU, SHIZUOKA, 432-8611 Japan

(72)Name of Inventor :

**1)YAMAMOTO NAOKI**

(57) Abstract :

A vehicle rear structure that is capable of enhancing rigidity around the wheel house in a vehicle that is equipped with a battery is provided. In the configuration of the present invention, the vehicle rear structure for a vehicle that is equipped with a battery includes a wheel house 122 that separates the wheel from the cabin, a floor panel 134 the side end of which is connected to the wheel house 122, and a battery tray 112 that has a side surface (right side surface 116) fixed to the wheel house 122 and a bottom surface 120 fixed to a floor panel 134 and that accommodates the battery.



No. of Pages : 19 No. of Claims : 4

## (54) Title of the invention : DRIVE UNIT

(51) International classification :B60K6/365  
 (31) Priority Document No :201210037101.7  
 (32) Priority Date :17/02/2012  
 (33) Name of priority country :China  
 (86) International Application No :NA  
       Filing Date :NA  
 (87) International Publication No : NA  
 (61) Patent of Addition to Application Number :NA  
       Filing Date :NA  
 (62) Divisional to Application Number :NA  
       Filing Date :NA

## (71)Name of Applicant :

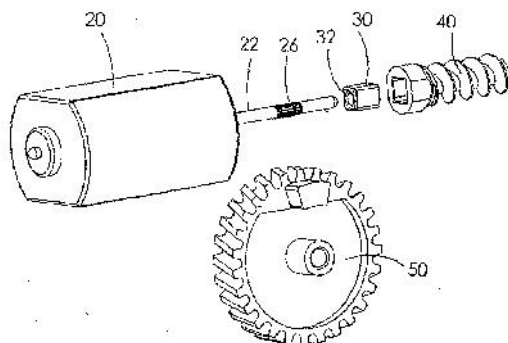
**1)JOHNSON ELECTRIC S.A.**Address of Applicant :BAHNHOFSTRASSE 18, CH-3280  
MURTEN SWITZERLAND

## (72)Name of Inventor :

**1)CHEUNG CHI WANG****2)WU ZHONG PING****3)DING HONG YU**

## (57) Abstract :

A drive unit includes an electric motor, a worm shaft coupled to the motor, a worm gear engaging with the worm shaft, and an output shaft connected to the worm gear. The motor has a motor shaft on which the worm shaft is fixed. The worm shaft is made of plastic. The drive unit further includes a metallic sleeve press fitted to the motor shaft. An outer profile of the sleeve is non-circular. A correspondingly shaped receiving hole is formed in the worm shaft to receive the sleeve. The sleeve rotates with the motor shaft and drives the worm shaft.



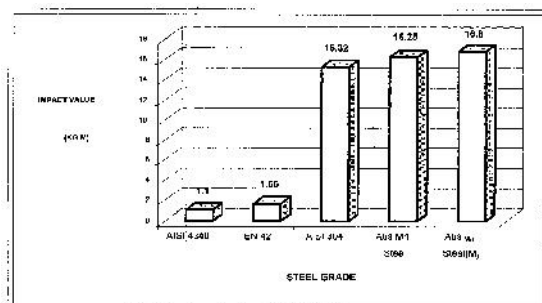
No. of Pages : 13 No. of Claims : 11

(54) Title of the invention : FINE GRAINED AUSTENITIC MANGANESE STEEL PLATES AND A PROCESS FOR ITS PRODUCTION

(51) International classification	:C22C 38/02	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)STEEL AUTHORITY OF INDIA LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :ALLOY STEELS PLANT,
(33) Name of priority country	:NA	DURGAPUR-713208 WEST BENGAL INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)SAMANTA SISIR KUMAR</b>
(87) International Publication No	: NA	<b>2)BADE VENKATA RAMANA RAJA</b>
(61) Patent of Addition to Application Number	:NA	<b>3)MUKHERJEE KUNTAL</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

The present invention is directed to providing fine grained austenitic manganese steel plates without carbide precipitation comprising C 1.0-1.05%, Mn 12.5-12.7%, Si 0.30-0.50%, P 0.060-0.067%, S 0.01% Max, Cr 0.20% Max and Al 0.010% max. and having a plate thickness of up to 12 mm. The developed steel grade is having improved yield strength, ductility and impact properties. A process for production of the above steel grade is disclosed involving (A) improving the yield following the steps of selectively providing the teeming temperature, ingot size along with modified disposition of the teemed ingot for rolling and application of bottom pouring technique (B) selectively providing heating and soaking temperature regime for rolling in blooming mill and plate mill (C) selectively providing rolling draft schedule for rolling ingots to slabs in blooming mill and slabs to plates in plate mill and (D) toughening treatment of hot rolled austenitic manganese product involving on line heat treatment.



No. of Pages : 17 No. of Claims : 8

(54) Title of the invention : PLUG VALVE WITH SPRING BIASED PLUG

(51) International classification :G01N1/14  
 (31) Priority Document No :10 2012  
 003397 .4  
 (32) Priority Date :23/02/2012  
 (33) Name of priority country :Germany  
 (86) International Application No :NA  
 Filing Date :NA  
 (87) International Publication No : NA  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

(71)Name of Applicant :

**1)JOHNSON ELECTRIC S.A.**

Address of Applicant :BAHNHOFSTRASSE 18, CH-3280

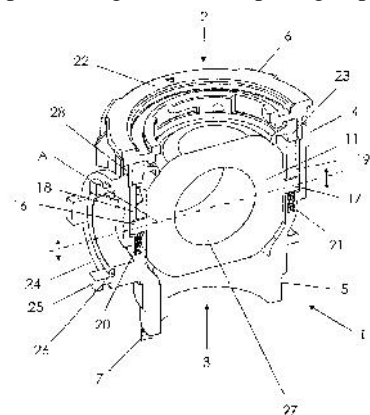
MURTEN SWITZERLAND

(72)Name of Inventor :

**1)BAKHSHI MAJID****2)GASSMANN JOERG****3)SCHWARZE WOLFRAM**

(57) Abstract :

In a plug valve with a plug supported around its axis of rotation in a flow passageway of the valve housing, the plug is supported in a floating manner against a spring force pressing the plug against an annular sealing element. The spring force is provided by a spring element bearing against the valve housing and engaging with a trunnion of the plug. The sealing element is supported in a fixed position against a flow passage opening.



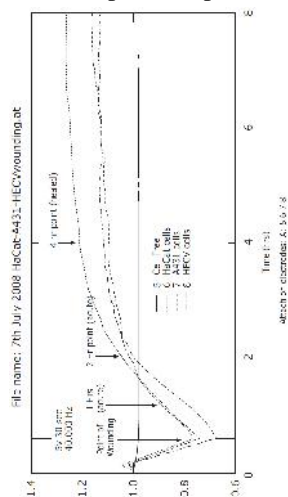
No. of Pages : 15 No. of Claims : 11

(54) Title of the invention : METHOD AND KIT FOR THE CLASSIFICATION AND PROGNOSIS OF CHRONIC WOUNDS

(51) International classification	:G01N33/68	(71)Name of Applicant :
(31) Priority Document No	:1021182.9	<b>1)UNIVERSITY COLLEGE CARDIFF CONSULTANTS</b>
(32) Priority Date	:14/12/2010	<b>LIMITED</b>
(33) Name of priority country	:U.K.	Address of Applicant :7th Floor 30-36 Newport Road
(86) International Application No	:NA	Cardiff CF24 0DE U.K.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)JIANG Wen Guo</b>
(61) Patent of Addition to Application Number	:NA	<b>2)HARDING Keith Gordon</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

The invention concerns a method and kit for identifying non-healing or healing chronic mammalian wound tissue or for determining the prognosis of chronic mammalian wound tissue based upon the identification of at least one key set of molecular markers or genes whose expression pattern is indicative of a given wound type and so representative of a given prognosis.



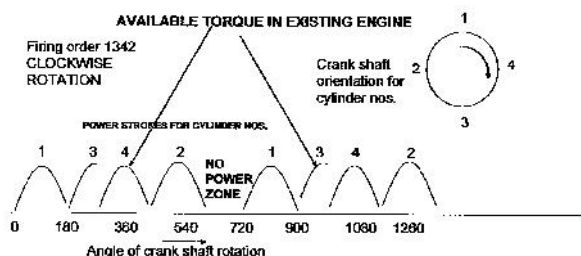
No. of Pages : 51 No. of Claims : 28

(54) Title of the invention : TEJJ CONSTANT TORQUE IC ENGINE

(51) International classification	:H02K 1702	(71)Name of Applicant : <b>1)RAJEV NAIK</b>
(31) Priority Document No	:NA	Address of Applicant :DII-74, UJWAL NAGAR, NTPC
(32) Priority Date	:NA	SIPAT, BILASPUR,CG, PIN-495555 Madhya Pradesh India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)RAJEV NAIK</b>
Filing Date	:NA	
(87) 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 :

This invention provides Constant torque IC engine can be used for all IC Engines irrespective of their size, no of cylinders, 2/4 strokes or fuel used by them for all existing applications. In this engine power to vehicle is provided by main driving shaft instead of crank shaft. Engine comprises connecting rod which is divided in two parts; where in first part of connecting rod always moves in straight line. Linear gear is attached to this part of connecting rod and said linear gear drives gear wheel mounted on main driving shaft through unidirectional clutch. When first part of connecting rod moves, linear gear connected to connecting rod drives gear wheel, which in turn drives the main driving shaft.



No. of Pages : 12 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.193/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :20/02/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : A COMPOSITION FOR COLOURING GLASS AND USES THEREOF

(51) International classification	:C03C3/087	(71)Name of Applicant :
(31) Priority Document No	:12425036.6	<b>1)VETRICERAMICI S.P.A.</b>
(32) Priority Date	:21/02/2012	Address of Applicant :VIA I° MAGGIO 35 48010 CASOLA
(33) Name of priority country	:EPO	VALSENIO (RAVENNA) ITALY
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)BETTOLI MICHELE</b>
(87) 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 colouring composition free of nickel oxide. In particular, the colouring composition for glass comprises manganese dioxide (MnO<sub>2</sub>), chromium oxide (III) (Cr<sub>2</sub>O<sub>3</sub>), cobalt oxide (Co<sub>3</sub>O<sub>4</sub>) and a glass medium. Furthermore, the present invention relates to the process for producing the colouring composition and the use thereof for the purpose of imparting a dark colour (black), in particular a blue-violet-black colour, to the glass.

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

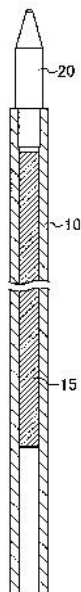


(54) Title of the invention : BALLPOINT PEN TIP AND BALLPOINT PEN

(51) International classification	:B43K 1/08	(71)Name of Applicant : <b>1)KABUSHIKI KAISHA PILOT CORPORATION</b> Address of Applicant :6-21, KYOBASHI 2-CHOME, CHUO-KU, TOKYO 104-8304 JAPAN
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)KEISHI OKAMOTO</b>
Filing Date	:NA	<b>2)SATORU ANDO</b>
(87) International Publication No	: NA	<b>3)TATSUYUKI NAKATANI</b>
(61) Patent of Addition to Application Number	:NA	<b>4)YUKI NITTA</b>
Filing Date	:NA	<b>5)KUNIHIRO TOYOTA</b>
(62) Divisional to Application Number	:NA	<b>6)KOUICHI TAKAYAMA</b>
Filing Date	:NA	<b>7)TAKUMI KAJIWARA</b>
		<b>8)HIROTAKA MASUDA</b>

(57) Abstract :

A ballpoint pen tip includes a ball and a ball holder for rotatably holding the ball. The ball includes a ball body and a first carbonaceous film formed so as to cover a surface of the ball body. The first carbonaceous film has carbon atoms and oxygen atoms bonded to some of the carbon atoms. The ratio of carbon atoms bonded to oxygen atoms to the total carbon atoms at a surface of the first carbonaceous film is equal to or greater than 0.1.



No. of Pages : 41 No. of Claims : 11

(54) Title of the invention : VALVE OR JOINT

(51) International classification :B05B9/04  
 (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

(71)Name of Applicant :

**1) TSAI, CHI-LUNG,**

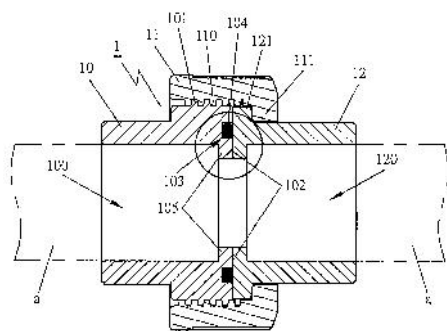
Address of Applicant :16, HSING-CHUNG 1ST RD., LING-YA AREA, KAO-HSIUNG CITY China

(72)Name of Inventor :

**1) TSAI, CHI-LUNG,**

(57) Abstract :

A valve or a joint includes a main body provided with male threads and a liquid flow hole having an inner wall disposed with a positioning wall that has an outer end formed with an inner combination circumference. A casing is provided with female threads to be engaged with the male threads of the main body and formed with a clamping circumference. A pipe joint is provided with an outer combination circumference with a proper thickness. Thus, the main body can be firmly and tightly combined with the pipe joint in a gapless state by having the clamping circumference of the casing firmly clamped on the outer combination circumference of the pipe joint. The outer combination circumference of the pipe joint further has a front end formed into an inner combination circumference to be combined with the inner combination circumference of the main body.



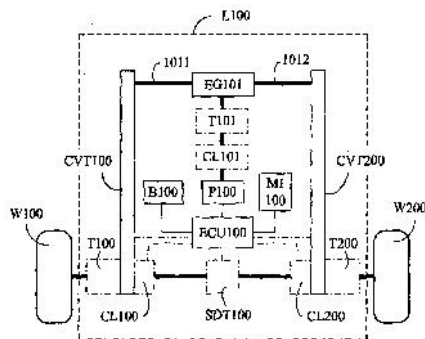
No. of Pages : 18 No. of Claims : 6

(54) Title of the invention : MULTI-CVT DRIVE SYSTEM HAVING EPICYCLE GEAR SET

(51) International classification	:F16H1/28	(71)Name of Applicant :
(31) Priority Document No	:13/403,198	<b>1)TAI-HER YANG</b>
(32) Priority Date	:23/02/2012	Address of Applicant :NO. 59, CHUNG HSING 8 ST., SI-HU
(33) Name of priority country	:U.S.A.	TOWN, DZAN-HWA, TAIWAN, R.O.C.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)TAI-HER YANG</b>
(87) 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 utilizes the rotary kinetic power of a rotary kinetic power source to directly drive the epicyclic gear set, or to drive the epicyclic gear set through a transmission device, then a continuous variable transmission (CVT) is individually installed between two output shafts of the epicyclic gear set and the load driven thereby, so the wheel set of the driven load is enabled to randomly perform variation of the driving speed ratio and the driving torque, so as to drive the combined common load; between the output ends of the mentioned two continuous variable transmissions, a limited slip differential or a stabilize device composed of a dual shaft connecting device having slip coupling torque can be further installed according to actual needs.



No. of Pages : 90 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.194/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :20/02/2013

(43) Publication Date : 23/08/2013

(54) Title of the invention : MEDICAL INSTRUMENT AND MALE CONNECTOR FOR SAID INSTRUMENT

(51) International classification	:A61B17/00	(71)Name of Applicant :
(31) Priority Document No	:12156555.0	<b>1)ERBE ELEKTROMEDIZIN GMBH</b>
(32) Priority Date	:22/02/2012	Address of Applicant :WALDHOERNLESTRASSE 17,
(33) Name of priority country	:EPO	72072 TÜBINGEN, GERMANY
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)MARKUS AMANN</b>
(87) International Publication No	: NA	<b>2)RALF KÜHNER</b>
(61) Patent of Addition to Application Number	:NA	<b>3)HANSJÖRG BJÖRN BESCH</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The instrument in accordance with the invention comprises a male instrument connector (11) comprising male fluid connectors 28 - 30, said male fluid connectors being arranged on a preferably flat face (20). Preferably arranged on the same face (20) is a venting bore 38 disposed to act as pressure relief by way of which leaking fluids, in particular leaking gases, said gases potentially and in particular in error situations accumulating in the instrument (14), can be discharged toward the outside. This concept allows the optional provision of a cover cap (43) that is attached to the face (20). In doing so, it is possible to sterilize the instrument (10), including the male instrument connector (11).

No. of Pages : 20 No. of Claims : 15

**AMENDMENT UNDER SEC.57, KOLKATA .**

In pursuance of leave granted under Section 57 of the Patents Act, 1970 the address for service of the Patentee in respect of Patent No. 249513 has been amended to :

**M/S. K & S PARTNERS , 4121/B, 6<sup>TH</sup> CROSS**

**19 A, MAIN, HALL II STAGE (EXTENSION),**

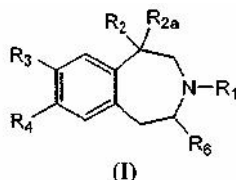
**BANGALORE – 560 038.**

## AMENDMENT UNDER SECTION 57 ( KOLKATA )

An application for amendment in the specification as follows from ARENA PHARMACEUTICALS, INC in respect of Patent No. 215528 (1415/KOLNP/2004) was filed. Any person interested may at any time within three months from the date of publication give notice on Form-14 to the Controller of Patents, if any, at the appropriate office.

### WE CLAIM:

1. A compound of Formula (I):



wherein:

R<sub>1</sub> is: -H or C<sub>1-8</sub>alkyl;

R<sub>2</sub> is: C<sub>1-8</sub>alkyl, -CH<sub>2</sub>-O-C<sub>1-8</sub>alkyl, -C(=O)-O-C<sub>1-8</sub>alkyl, -C(=O)-NH-C<sub>1-8</sub>alkyl, -OH, or -CH<sub>2</sub>OH; R<sub>2a</sub> is: -H;

or R<sub>2</sub> and R<sub>2a</sub> together form -CH<sub>2</sub>-CH<sub>2</sub>-;

R<sub>3</sub> is: halogen; perhaloalkyl; or a 5-membered heteroaryl ring having up to two heteroatoms selected from O, N and S;

R<sub>4</sub> is -H, halogen, perhaloalkyl, -CN, -OR<sub>5</sub>, -SR<sub>5</sub>, -NHR<sub>5</sub>, -N(R<sub>5</sub>)<sub>2</sub>, -OH, aryl, or heteroaryl, wherein said aryl can be optionally substituted with up to two substituents selected from C<sub>1-8</sub>alkyl, halogen, perhaloalkyl, and alkoxy, and said heteroaryl can be optionally substituted with up to two substituents selected from halogen and C<sub>1-8</sub>alkyl;

or R<sub>3</sub> and R<sub>4</sub> together with the atoms to which they are attached form a 5- or 6-member heterocyclic ring having one O atom;

each R<sub>5</sub> is independently C<sub>1-8</sub>alkyl, C<sub>1-8</sub>alkenyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl or perhaloalkyl, or allyl; and R<sub>6</sub> is -H or C<sub>1-8</sub>alkyl;

or a pharmaceutically acceptable salt, solvate or hydrate thereof; provided that:

if R<sub>6</sub> is other than -H, then R<sub>4</sub> cannot be -H; and

if R<sub>1</sub> and R<sub>2</sub> are methyl, and R<sub>4</sub> is -H, then R<sub>3</sub> cannot be imidazole, substituted imidazole, or an imidazole derivative; and wherein:

aryl denotes a monocyclic or polycyclic aromatic group having from 3 to 14 carbon atoms;

heteroaryl denotes a monocyclic or polycyclic aromatic group having from 3 to 14 carbon atoms, and from 1 to 4 ring heteroatoms selected from O, N, and S;

alkoxy denotes -O-alkyl;

C<sub>1-8</sub>alkyl denotes a straight chain, branched, or cyclic hydrocarbon group having from 1 to 8 carbon atoms;

C<sub>1-8</sub>alkenyl denotes a straight chain, branched, or cyclic hydrocarbon group having from 1 to 8 carbon atoms and at least one double bond;

alkyl, other than C<sub>1-8</sub>alkyl, denotes methyl, ethyl, n-propyl, isopropyl, cyclopropyl, n-butyl, sec-butyl, tert-butyl, cyclobutyl, cyclopropylmethyl, n-pentyl, isopentyl, tert-pentyl, cyclopentyl, cyclopentylmethyl, n-hexyl, or cyclohexyl.

2. The compound as claimed in claim 1 wherein R<sub>1</sub> is -H.
3. The compound as claimed in claim 1 wherein R<sub>1</sub> is C<sub>1-8</sub>alkyl.
4. The compound as claimed in claim 1 wherein R<sub>1</sub> is methyl.
5. The compound as claimed in claim 1 wherein R<sub>1</sub> is n-propyl.
6. The compound as claimed in any one of claims 1 to 5 wherein R<sub>2</sub> is C<sub>1-8</sub>alkyl.
7. The compound as claimed in any one of claims 1 to 5 wherein R<sub>2</sub> is methyl.
8. The compound as claimed in any one of claims 1 to 5 wherein R<sub>2</sub> is ethyl.
9. The compound as claimed in any one of claims 1 to 5 wherein R<sub>2</sub> is isopropyl.
10. The compound as claimed in any one of claims 1 to 5 wherein R<sub>2</sub> and R<sub>2a</sub> together form -CH<sub>2</sub>-CH<sub>2</sub>-.
11. The compound as claimed in any one of claims 1 to 10 wherein R<sub>3</sub> is halogen.

12. The compound as claimed in any one of claims 1 to 10 wherein  $R_3$  is chlorine.
13. The compound as claimed in any one of claims 1 to 10 wherein  $R_3$  is bromine.
14. The compound as claimed in anyone of claims 1 to 10 wherein  $R_3$  is iodine.
15. The compound as claimed in any one of claims 1 to 10 wherein  $R_3$  is perhaloalkyl.
16. The compound as claimed in anyone of claims 1 to 10 wherein  $R_3$  is  $-CF_3$ .
17. The compound as claimed in anyone of claims 1 to 10 wherein  $R_3$  is a 5-membered heteroaryl ring having up to two heteroatoms selected from O, N and S.
18. The compound as claimed in any one of claims 1 to 10 wherein  $R_3$  is selected from: thiophenyl, furanyl, pyrrolyl, pyrazolyl and imidazolyl.
19. The compound as claimed in anyone of claims 1 to 18 wherein  $R_4$  is  $-OR_5$ .
20. The compound as claimed in any one of claims 1 to 18 wherein  $R_4$  is methoxy, ethoxy, n-propoxy, isopropoxy or allyloxy.
21. The compound as claimed in any one of claims 1 to 18 wherein  $R_4$  is perhaloalkyl.
22. The compound as claimed in any one of claims 1 to 18 wherein  $R_4$  is  $-CF_3$ .
23. The compound as claimed in any one of claims 1 to 18 wherein  $R_4$  is a 5-membered heteroaryl ring having up to two heteroatoms selected from O, N and S, and up to two substituents selected from halogen and  $C_{1-8}$ alkyl.



24. The compound as claimed in claim 1 wherein R<sub>4</sub> is selected from thiophenyl, furanyl, pyrrolyl, pyrazolyl and imidazolyl optionally substituted with one or two substituents selected from halogen and methyl.
25. The compound as claimed in anyone of claims 1 to 18 wherein R<sub>4</sub> is phenyl optionally substituted with up to two substituents selected from C<sub>1-8</sub>alkyl, halogen, and alkoxy.
26. The compound as claimed in any one of claims 1 to 10 wherein R<sub>3</sub> and R<sub>4</sub> taken together form -O-CH=C(CH<sub>3</sub>)-.
27. The compound as claimed in any one of claims 1 to 10 wherein:  
R<sub>3</sub> is halogen; and  
R<sub>4</sub> is -OR<sub>5</sub> wherein R<sub>5</sub> is C<sub>1-8</sub>alkyl.
28. The compound as claimed in anyone of claims 1 to 10 wherein:  
R<sub>3</sub> is halogen; and  
R<sub>4</sub> is methoxy.
29. The compound as claimed in any one of claims 1 to 10 wherein:  
R<sub>3</sub> is chlorine or bromine; and  
R<sub>4</sub> is methoxy.
30. The compound as claimed in any one of claims 1 to 10 wherein:  
R<sub>3</sub> is halogen; and  
R<sub>4</sub> is allyloxy.
31. The compound as claimed in claim 1 wherein:  
R<sub>2</sub> is methyl, ethyl, isopropyl, or-CH<sub>2</sub>OH; or  
R<sub>2</sub> and R<sub>2a</sub> taken together form -CH<sub>2</sub>-CH<sub>2</sub>-;  
R<sub>3</sub> is halogen or a 5-membered heteroaryl ring having up to two heteroatoms selected from O, N and S, and up to two substituents selected from halogen and C<sub>1-8</sub>alkyl;

R<sub>4</sub> is -H, alkoxy, a 5-membered heteroaryl ring having up to two heteroatoms selected from O, N and S and up to two substituents selected from halogen and C<sub>1-8</sub>alkyl, or phenyl optionally substituted with up to two substituents selected from C<sub>1-8</sub>alkyl, halogen, and alkoxy;

or R<sub>3</sub> and R<sub>4</sub> taken together form -O-CH=C(CH<sub>3</sub>)-; and

R<sub>6</sub> is -H or methyl.

32. The compound as claimed in claim 1 wherein:

R<sub>2</sub> is methyl, ethyl, isopropyl, or -CH<sub>2</sub>OH; or R<sub>2</sub> and R<sub>2a</sub> taken together form -CH<sub>2</sub>-CH<sub>2</sub>-; R<sub>3</sub> is chlorine, bromine, or iodine; R<sub>4</sub> is alkoxy; and R<sub>6</sub> is -H or methyl.

33. The compound as claimed in claim 1 wherein:

R<sub>1</sub> is -H;

R<sub>2</sub> is methyl;

R<sub>3</sub> is chlorine, bromine, or thiophene;

R<sub>4</sub> is alkoxy, pyrazoly-3-yl or phenyl wherein said pyrazole optionally has up to two substituents selected from halogen and C<sub>1-8</sub>alkyl, and said phenyl optionally has a single halogen substituent; and

R<sub>6</sub> is -H.

34. The compound as claimed in claim 1 selected from:

8-bromo-7-hydroxy-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine;

7-allyloxy-8-bromo-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine;

7-benzyloxy-8-bromo-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine;

8-bromo-7-ethoxy-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine;

8-bromo-7-isopropoxy-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine;

N-propyl-8-bromo-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine;

7-hydroxy-8-iodo-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine;

7-allyloxy-8-iodo-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine;

7-allyloxy-8-chloro-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine;

7-methoxy-1-methyl-8-(2-thienyl)-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 8-bromo-1-cyclopropyl-7-methoxy-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 8-bromo-1-hydroxymethyl-7-methoxy-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 8-bromo-1-isopropyl-7-methoxy-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 8-bromo-7-hydroxy-1-isopropyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 7-allyloxy-8-bromo-1-isopropyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 8-bromo-7-methoxy-1,4-dimethyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 7-allyloxy-8-bromo-1,4-dimethyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 8-chloro-1-hydroxy-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 8-bromo-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 8-fluoro-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 7,8-dichloro-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 N-methyl-8-chloro-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 8-iodo-1-methyl-7-trifluoromethoxy-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 N-propyl-8-iodo-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 1-ethyl-8-iodo-7-methoxy-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 7-(2-fluorophenyl)-8-chloro-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 and  
 8-bromo-1-methoxymethyl-7-methoxy-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 and pharmaceutically acceptable salts, solvates and hydrates thereof.

35. The compound as claimed in claim 1 selected from:

8-bromo-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 8-chloro-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 8-iodo-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 N-methyl-8-bromo-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 8-bromo-1-ethyl-7-methoxy-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 8-chloro-1-ethyl-7-methoxy-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 8-iodo-1-ethyl-7-methoxy-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 7-methoxy-1-methyl-8-trifluoromethyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine;  
 and  
 7-methoxy-1-methyl-8-pentafluoroethyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine; and pharmaceutically acceptable salts, solvates and hydrates thereof.

36. The compound as claimed in any one of claims 1 to 35, which is an *R* enantiomer.
37. The compound as claimed in any one of claims 1 to 35, which is an *S* enantiomer.
38. A compound as claimed in claim 1 selected from the following compound, and pharmaceutically acceptable salts, solvates and hydrates thereof: 8-chloro-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine.
39. A compound as claimed in claim 38, which is an *R* enantiomer.
40. A compound as claimed in claim 38, which is an *S* enantiomer.
41. A compound as claimed in claim 1 selected from the following compound, and pharmaceutically acceptable salts, solvates and hydrates thereof: 8-bromo-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine.
42. A compound as claimed in claim 1 selected from the following compound, and pharmaceutically acceptable salts, solvates and hydrates thereof: 8-iodo-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine.
43. A compound as claimed in claim 1 selected from the following compound, and pharmaceutically acceptable salts, solvates and hydrates thereof: 8-trifluoromethyl-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine.
44. A compound as claimed in claim 43, which is an *R* enantiomer.
45. A compound as claimed in claim 43, which is an *S* enantiomer.
46. A compound as claimed in claim 1 selected from the following compound, and pharmaceutically acceptable salts, solvates and hydrates thereof:

8-trifluoromethyl-1-ethyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine.

47. A compound as claimed in claim 1 selected from the following compound, and pharmaceutically acceptable salts, solvates and hydrates thereof: 8-chloro-1-ethyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine.
48. A compound as claimed in claim 47, which is an *R* enantiomer.
49. A compound as claimed in claim 47, which is an *S* enantiomer.
50. A compound as claimed in claim 1 selected from the following compound, and pharmaceutically acceptable salts, solvates and hydrates thereof: 8-bromo-1-ethyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine.
51. A compound as claimed in claim 1 selected from the following compound, and pharmaceutically acceptable salts, solvates and hydrates thereof: 8-iodo-1-ethyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine.
52. A compound as claimed in claim 1 selected from the following compound, and pharmaceutically acceptable salts, solvates and hydrates thereof: 7,8-dichloro-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine.
53. A compound as claimed in claim 1 selected from the following compound; and pharmaceutically acceptable salts, solvates and hydrates thereof: 7,8-dichloro-1-ethyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine.
54. A compound as claimed in claim 1 selected from the following compound, and pharmaceutically acceptable salts, solvates and hydrates thereof: 8-chloro-7-fluoro-1-methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine.
55. A compound as claimed in claim 1 selected from the following compound, and pharmaceutically acceptable salts, solvates and hydrates thereof: 8-chloro-7-fluoro-1-ethyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine.

56. A pharmaceutical composition comprising a compound according to any one of claims 1 to 55 and a pharmaceutically acceptable carrier or excipient.
57. A pharmaceutical composition comprising a compound according to any one of claims 1 to 55 and its enantiomer, and a pharmaceutically acceptable carrier or excipient.
58. A pharmaceutical composition comprising a racemate of a compound according to anyone of claims 1 to 55 and its enantiomer, and a pharmaceutically acceptable carrier or excipient.
59. A compound as claimed in anyone of claims 1 to 55 for use in a method of treatment of the human or animal body by therapy.
60. A compound according to anyone of claims 1 to 55 for use in a method of prophylaxis or treatment of obesity of a mammal.
61. A compound according to anyone of claims 1 to 55 for use in a method of decreasing food intake of a mammal.
62. A compound according to anyone of claims 1 to 55 for use in a method of inducing satiety in a mammal.
63. A compound according to anyone of claims 1 to 55 for use in a method of controlling weight gain of a mammal.
64. A compound according to anyone of claims 1 to 55 for the manufacture of a medicament for use in the prophylaxis or treatment of obesity of a mammal.
65. A compound according to anyone of claims 1 to 55 for the manufacture of a medicament for use in a method of decreasing food intake of a mammal.

- 66.** A compound according to any one of claims 1 to 55 for the manufacture of a medicament for use in a method of inducing satiety in a mammal.
- 67.** A compound according to any one of claims 1 to 55 for the manufacture of a medicament for use in a method of controlling weight gain of a mammal.

## **PUBLICATION U/S 84(3) IN RESPECT OF APPLICATION FOR RESTORATION OF PATENT (DELHI)**

Notice is hereby given that any person interested in opposing the following application 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, given notice to the Controller of Patent at the appropriate office on the prescribed form 14 under Rule 85 of the Patent Rules, 2003

PATENT NO.	APPLICANTS	TITLE	DATE OF CESSATION	APPROPRIATE OFFICE
211481	SURESH CHANDRA DABRAL(India)	A PROCESS FOR PREPARATION OF AN AYURVEDIC COMPOSITION USE FOR TREATMENT OF MIGRAINE & THE HEALTH AYURVEDIC COMPOSITION FOR TREATMENT OF MIGRAINE	24/11/2010	DELHI
224811	AKKAD, OSMAN(Italy)	DEVICE FOR CONDITIONING WATER PRODUCED BY ENVIRONMENTAL CONDITIONING OR DEHUMIDIFICATION APPARATUSES OR PLANTS	12/12/2009	DELHI
248479	RHODIA INC.(U.S.A.)	A METHOD OF PRODUCTING CYANOALKYL TETRAALKYLPHOSPHORDIAMIDITE	18/10/2011	DELHI
247805	VALOIS S.A.S(France)	FLUID PRODUCT SPRAYING DEVICE	19/09/2011	DELHI
244005	NORTON HEALTHCARE LTD(U.K.)	INHALATION COMPOSITION	21/08/2011	DELHI
249585	INTEL CORPORATION(U.S.A.)	A SECURITY ACCELERATION BOARD FOR CONVERTING BETWEEN ENCRYPTION SCHEMES IN A WIRELESS APPLICATION PROTOCOL (WAP) GATEWAY	14/02/2012	DELHI
185770	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH(India)	A PROCESS FOR PREPARATION OF HERBAL PAIN BALM	31/07/2012	DELHI
251452	GENERAL ELECTRIC COMPANY(U.S.A.)	AN ENERGY ABSORBER FOR AN AUTOMOTIVE VEHICLE	21/06/2012	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	191814	1149/DEL/1994	16/09/1994	16/09/1993	CORDLESS ELECTRICAL LIQUID APPLIANCES	STRIX LIMITED		DELHI
2	256948	6424/DELNP/2007	28/01/2005	28/01/2005	COMBINATION OF BIOLOGICALLY PURE BACTERIAL STRAINS FOR BIOREMEDIATION OF PETROLEUM HYDROCARBONS	SAVANNAH RIVER NUCLEAR SOLUTIONS,LLC	31/08/2007	DELHI
3	256949	5386/DELNP/2006	13/08/2004	20/02/2004	WEARABLE ACTION-ASSIST DEVICE	UNIVERSITY OF TSUKUBA.,	03/08/2007	DELHI
4	256951	130/DELNP/2008	15/07/2003	15/07/2002	A COMPOSITION COMPRISING A PHOSPHATIDYLETHANOLAMINE BINDING PEPTIDE CONJUGATE	BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM	20/06/2008	DELHI
5	256954	99/DEL/2003	06/02/2003		AN ADSORBENT COMPOSITION, A PROCESS FOR THE PREPARATION THEREOF AND A PROCESS FOR REMOVAL OF HYDROGEN SULPHIDE IMPURITIES FROM A GASEOUS FEED STOCK	ENGINEERS INDIA LIMITED	15/07/2011	DELHI
6	256955	5117/DELNP/2006	05/03/2005	19/03/2004	PRODUCT COMPRISING A COMBINATION OF A MACROCYCLIC LACTONE AND AN AMIDINE	BAYER ANIMAL HEALTH GMBH	13/07/2007	DELHI
7	256956	200/DELNP/2007	01/07/2005	02/07/2004	PERSONAL CARE COMPOSITIONS WITH IMPROVED HYPOSENSITIVITY	THE PROCTER & GAMBLE COMPANY	03/08/2007	DELHI
8	256957	3991/DELNP/2004	13/08/2003	15/08/2002	A PURINE COMPOUND OF FORMULA I AND PROCESS FOR PREPARING THE SAME	CANCER RESEARCH TECHNOLOGY LIMITED,,CYCLACEL LIMITED	29/01/2010	DELHI

9	256960	1558/DELNP/2008	23/08/2006	25/08/2005	A LUBRICANT OIL FOR A COMBUSTION ENGINE	SVENSKA STATOIL AB	08/08/2008	DELHI
10	256961	4711/DELNP/2006	27/01/2004	02/02/2004	AN EX VIVO METHOD OF DETERMINING EFFECTS OF AT LEAST ONE TEST SUBSTANCE OR A BIO-ACTIVE AGENT	LIFELINE SCIENTIFIC, INC.	13/07/2007	DELHI
11	256965	5347/DELNP/2006	15/03/2005	15/03/2004	A SYSTEM AND METHOD FOR ACTUATING TWO OR MORE ENGINE VALVES	JACOBS VEHICLE SYSTEMS, INC.	03/08/2007	DELHI
12	256966	5167/DELNP/2006	07/03/2005	10/03/2004	A COMPOUND OF FORMLAR (I)	JANSSEN PHARMACEUTICA N.V.	03/08/2007	DELHI
13	256968	3290/DELNP/2006	30/11/2004	01/12/2003	ANTI-INFLAMMATORY AGENTS	CAMBRIDGE ENTERPRISE LIMITED	20/04/2007	DELHI
14	256970	2763/DELNP/2006	10/11/2004	21/11/2003	RICE-BASED FOOD COMPOSITIONS AND PROCESSES FOR THEIR PREPARATION	DSM IP ASSETS B.V. AND BUHLER AG	10/08/2007	DELHI
15	256983	1177/DEL/2002	21/11/2002	27/06/2002	SHIFT-LEVER APPARATUS OF AN AUTOMATIC TRANSMISSION FOR ENABLING MANUAL MODE OPERATION.	HYUNDAI MOTOR COMPANY	23/10/2009	DELHI
16	256986	2932/DELNP/2008	29/09/2006	29/09/2005	COMPOSITE CHROMATOGRAPHY COLUMN	ALLTECH ASSOCIATES INC.	25/07/2008	DELHI
17	256987	3516/DEL/2005	30/12/2005		NOVEL SPIRO-1,2,4-TRIOXANES AS ANTIMICROBIAL AGENTS AND PROCESS FOR THE PREPARATION THEREOF	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	31/07/2009	DELHI
18	256988	6020/DELNP/2008	16/01/2007	16/01/2006	MEHTOD FOR THE PREPARATION OF FLUOROPOLYMER POWDERED MATERIALS	WHITFORD PLASTICS LIMITED	24/10/2008	DELHI

## **Publication Under Section 43(2) in Respect of the Grant**

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Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	256950	441/MUMNP/2008	16/08/2006	16/08/2005	METHODS AND SYSTEMS FOR ADAPTIVE SERVER SELECTION IN WIRELESS COMMUNICATIONS	QUALCOMM INCORPORATED	26/06/2009	MUMBAI
2	256958	862/MUM/2006	05/06/2006		A NOVEL PROCESS FOR PREPARATION OF ENANTIOMERICALLY PURE S-(+)-N,N-DIMETHYL-2-[2-(NAPHTHALENYOXY)-ETHYL] BENZENEMETHANAMINE HYDROCHLORIDE	CADILA HEALTHCARE LIMITED	04/07/2008	MUMBAI
3	256971	978/MUMNP/2008	20/10/2006	21/10/2005	A METHOD FOR ENCODING VIDEO DATA AND AUDIO DATA BY AN ENCODER DEVICE	QUALCOMM INCORPORATED	19/09/2008	MUMBAI
4	256972	1006/MUM/2009	17/04/2009		A PROCESS FOR PREPARATION OF AN IMPROVED CATALYST FOR LOW PRESSURE CONTINUOUS BUTYNE DIOL SYNTHESIS	HINDUSTAN ORGANIC CHEMICALS LIMITED	12/06/2009	MUMBAI
5	256973	1334/MUM/2009	02/06/2009		AN IMPROVED PROCESS FOR THE HYDROGENATION OF NITROAROMATICS IN FIXED BED REACTORS	HINDUSTAN ORGANIC CHEMICALS LIMITED	26/06/2009	MUMBAI
6	256974	1335/MUM/2009	02/06/2009		A PROCESS FOR THE REGENERATION OF DEACTIVATED NOBLE METAL CATALYST FOR CYCLOHEXYLAMINE	HINDUSTAN ORGANIC CHEMICALS LIMITED	26/06/2009	MUMBAI
7	256975	1181/MUM/2008	04/06/2008		A PROCESS FOR PRODUCTION OF BIODIESEL	TATA CHEMICALS LTD.	11/12/2009	MUMBAI
8	256976	1629/MUM/2005	28/12/2005		A NOVEL PROCESS FOR SYNTHESIS OF ITOPRIDE	CADILA PHARMACEUTICALS LTD.	17/08/2007	MUMBAI

9	256982	518/MUMNP/2006	15/10/2001	19/10/2000	INTERMEDIATES OF ARYL OF HETEROARYL FUSED IMIDAZOLE COMPOUNDS	PFIZER INC.	08/06/2007	MUMBAI
10	256992	163/MUM/2008	23/01/2008	07/02/2007	FILLED POLYAMIDE MOLDING MATERIALS SHOWING A REDUCED WATER ABSORPTION	EMS-CHEMIE AG	12/06/2009	MUMBAI

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Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	256947	2037/CHENP/2003	21/05/2002	21/05/2001	DENTAL RESTORATIVE MATERIALS	THE UNIVERSITY OF MELBOURNE	14/08/2009	CHENNAI
2	256952	4316/CHENP/2006	18/05/2005	26/05/2004	FLAME-RETARDANTS	CIBA HOLDING INC.	29/06/2007	CHENNAI
3	256959	1123/CHE/2008	07/05/2008 14:17:11		A NEW TWISTING SYSTEM TO TWIST ALL KIND OF FIBERS/FILAMENTS WITHOUT USING RING AND TRAVELLER	DR M MURUGESAN,MR S. KUBERASAMPATHK UMAR	23/05/2008	CHENNAI
4	256963	2911/CHENP/2006	07/02/2005	12/02/2004	A METHOD FOR TRANSFERRING DATA BETWEEN A PORTABLE DATA CARRIER AND AN EXTERNAL ARRANGEMENT	PRECISE BIOMETRICS AB	08/06/2007	CHENNAI
5	256967	396/CHENP/2007	21/06/2005	28/06/2004	A PASTE-TYPE MANGANESE DRY BATTERY	PANASONIC CORPORATION	24/08/2007	CHENNAI
6	256977	542/CHE/2007	16/03/2007		AN IMPROVED SOLENOID VALVE FOR REGULATING SPEED OF AN AUTOMOBILE, A METHOD AND AN AUTOMOBILE	PRICOL LIMITED	28/11/2008	CHENNAI
7	256978	659/CHE/2007	30/03/2007		MOUNTING ARRANGEMENT OF TORQUE LINK FOR THE REAR SWING-ARM TYPE TWO-WHEELERS	TVS MOTOR COMPANY LIMITED	28/11/2008	CHENNAI
8	256981	792/CHE/2005	23/06/2005	24/06/2004	MATERIAL WITH A HIERARCHICAL POROSITY COMPRISING SILICON	INSTITUT FRANCAIS DU PETROLE	07/09/2007	CHENNAI
9	256985	2169/CHENP/2008	17/10/2006	02/11/2005	ORGANOLEPTICALLY ACCEPTABLE IBUPROFEN ORAL DOSAGE FORMULATIONS AND METHODS OF MAKING THE SAME	PHARMA SEEDS CREATE LLC	06/03/2009	CHENNAI
10	256991	1884/CHE/2006	11/10/2006		A METHOD FOR RECEIVING A FAX IN SECURE RECEIVE MODE BY AN MULTI FUNCTION PERIPHERAL (MFP)	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	28/11/2008	CHENNAI

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Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	256953	3353/KOLNP/2007	24/02/2006	01/03/2005	METHOD AND DEVICE FOR SUPPRESSING NARROWBAND INTERFERENCE	HUAWEI TECHNOLOGIES CO., LTD.	18/01/2008	KOLKATA
2	256962	4646/KOLNP/2007	25/05/2006	01/06/2005	A CHARACTER DISPLAY METHOD FOR ADDING VISUAL EFFECT TO A CHARACTER WHEN CHARACTER IS INPUT AND A MOBILE STATION THEREFOR	SAMSUNG ELECTRONICS CO. LTD.	06/06/2008	KOLKATA
3	256964	76/KOLNP/2008	14/07/2006	15/07/2005	ANTIARRHYTHMIC PRECURSOR COMPOUNDS AND METHODS OF SYNTHESIS	ARMETHEON, INC.	12/09/2008	KOLKATA
4	256969	917/KOLNP/2007	20/10/2005	21/10/2004	CATALYST COMPOSITION FOR PRODUCTION OF POLYOLEFIN WITH BI OR MULTIMODAL WEIGHT DISTRIBUTION AND METHOD FOR PRODUCTION OF POLYOLEFINS WITH IT	TOTAL PETROCHEMICALS RESEARCH FELUY	13/07/2007	KOLKATA
5	256979	44/KOLNP/2007	08/07/2005	09/07/2004	INTEGRATED SYSTEM FOR THE EXTRACTION OF HEAVY ASH, CONVERSION THEREOF INTO LIGHT ASH AND REDUCTION OF UNBURNT MATTER	MAGALDI POWER S.P.A.	29/06/2007	KOLKATA
6	256980	1742/KOL/2007	27/12/2007	26/01/2007	A MOTORCYCLE WITH A SYSTEM OF PREVENTING NOISE CAUSED BY RESIN BLOCK BELT IN A CONTINUOUSLY VARIABLE TRANSMISSION	YAMAHA HATSUDOKI KABUSHIKI KAISHA	22/08/2008	KOLKATA

7	256984	1741/KOL/2007	27/12/2007	26/01/2007	A MOTORCYCLE WITH LOW-WIDTH VEHICLE BODY	YAMAHA HATSUDOKI KABUSHIKI KAISHA	22/08/2008	KOLKATA
8	256989	264/KOL/2007	22/02/2007	10/03/2006	A PROCESS FOR THE FLUIDIZED CRACKING OF A HYDROCARBON FEEDSTOCK	STATE KEY LABORATORY OF HEAVY OIL PROCESSING	28/09/2007	KOLKATA
9	256990	1597/KOLNP/2007	07/10/2004	07/10/2004	AN APPARATUS FOR DELIVERING AN AGENT TO THE ABDOMEN	LEXION MEDICAL, LLC.	27/07/2007	KOLKATA

***CONTINUED TO PART- 2***