

पेटेंट कार्यालय  
का  
शासकीय जर्नल

**OFFICIAL JOURNAL  
OF  
THE PATENT OFFICE**

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शुक्रवार
<b>FRIDAY</b>

दिनांक: 06/09/2013
<b>DATE: 06/09/2013</b>

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पेटेंट कार्यालय का एक प्रकाशन  
PUBLICATION OF THE PATENT OFFICE

## **INTRODUCTION**

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 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**

6<sup>th</sup> SEPTEMBER, 2013

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**THE PATENT OFFICE  
KOLKATA, 06/09/2013**

**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 06/09/2013**  
**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 :-

1	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>	4	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
2	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.	5	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
3	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		

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.2140/DEL/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : A NOVEL EYE WIPES AND METHOD OF MANUFACTURING AND PACKING THEREOF.

(51) International classification

:A61F

(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)RAJESH KALRA**

Address of Applicant :A-2, PURUSHOTAM GARDEN,  
KUNJPURA ROAD, KARNAL-132001, Haryana India

(72)Name of Inventor :

**1)RAJESH KALRA**

(57) Abstract :

The present invention pertains to an eye wipes and method of manufacturing and packing thereof which are very much significant for the post operative eye. The novel eye wipes is an sterilised material and act as super absorbent property to absorb the releases of an eyes. The present invention is used after any eye surgery to clean the eye and to remove any debris or foreign body from the eyes.

No. of Pages : 16 No. of Claims : 10



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1510/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :17/05/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : NEW TECHNOLOGY WIRELESS GUN.

(51) International classification

:G08B

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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**1)DEEPAK KUMAR**

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**1)DEEPAK KUMAR**

(57) Abstract :

New technology Wireless gun is a type of gun which can operate remotely from anywhere and gun can move in any direction including 360 degree; 85 degree .the gun is having a control room from where we can see all the outside information while sitting inside. We can connect more than one system from one control room simultaneously. This Using face recognition for taking more information about person it can also be useful for security purposes. Voice sensor for emergency control and rocket launcher in the gun also.

No. of Pages : 0 No. of Claims : 0

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.2170/DEL/2013 A

(43) Publication Date : 06/09/2013

(54) Title of the invention : LOW POWER HETERODYNE RECEIVER FOR RADIO FREQUENCY SIGNAL

(51) International classification	:H04B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)CENTRE FOR DEVELOPMENT OF ADVANCED</b>
(32) Priority Date	:NA	<b>COMPUTING</b>
(33) Name of priority country	:NA	Address of Applicant :C-56/1, SECTOR-62, NOIDA -
(86) International Application No	:NA	201307, UTTAR PRADESH (INDIA)
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)MAITY, CHANDAN</b>
(61) Patent of Addition to Application Number	:NA	<b>2)GUPTA, ASHUTOSH</b>
Filing Date	:NA	<b>3)PANIGRAHI, SANJAT, KUMAR</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to a heterodyne receiver, preferably for UHF and higher bandwidth radio frequencies, wherein the receiver is configured to consume very low power, so as to efficiently and cost effectively receive radio frequency signals. In a preferred embodiment, receiver of the present invention is configured such that no active component is used in the process of decoding actual carrier frequency, which otherwise is done by means of high power consuming active components such as local oscillator. In an embodiment, heterodyne transceiver architecture can be designed in such a way that current transmitter is retained as is and the improvement is done in receiver. In another embodiment, the transmitter circuit is also optimized so as to optimally choose the frequency for the intermediate frequency in order to avoid high power consumption due to high frequency and also avoid low data rate due to low frequency.

No. of Pages : 29 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1306/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/02/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : PROCESS AND APPARATUS FOR SPINNING FIBRES AND IN PARTICULAR FOR PRODUCING A FIBROUS CONTAINING NONWOVEN

(51) International classification :D04H1/56,D01D4/02,D01D5/098

(31) Priority Document No :10172606.5

(32) Priority Date :12/08/2010

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2011/063770

Filing Date :10/08/2011

(87) International Publication No :WO 2012/020053

(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)BOMA ENGINEERING SRL**

Address of Applicant :Via Giacomo Leopardi 8 I 20123  
Milano (MI) Italy

(72)Name of Inventor :

**1)BOSCOLO Galliano**

(57) Abstract :

The apparatus (1) is used for producing meltblown fibres (MF). It comprises a die head (104) with several spinning orifices means (100 101 102 103) for extruding at least one melted polymeric material through the spinning orifices of the die head (104) in the form of meltblown filaments (f) and means (104a 104b) for blowing a hot primary gas flow (F1) towards the outlet of the die head (104) in order to draw and attenuate the polymeric filaments (f) at the outlet of the die head and a drawing unit (105) that is positioned below the die head (104) and that is adapted to create an additional gas flow (F3) that is oriented downstream to further draw and attenuate the meltblown filaments (f).

No. of Pages : 41 No. of Claims : 87

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2438/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :03/08/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : BALLISTIC COMBAT GLOVE

(51) International classification

:A41H

(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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FAYETTEVILLE, NORTH CAROLORINA, 28312 U.S.A.

(72)Name of Inventor :

**1)MATTHEW AARON SONNER**

(57) Abstract :

A glove for protecting, and reducing injury to hand and forearm of a wearer from multiple low and high velocity fragments, bullets, and projectiles includes a palm side inner portion, a palm side outer portion, a palm side outer covering, a back side inner portion, a back side outer covering, wherein the palm side ballistic insert is positioned and secured between the palm side inner portion and the palm side outer covering for protection against the multiple low and high velocity fragments, bullets, and projectiles and the back side ballistic insert is positioned and secured between the back side portion and the back side outer covering for protection against the multiple low and high velocity fragments, bullets, and projectiles.

No. of Pages : 17 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1389/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :15/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : A NOVEL SCMD TRANSIT MIXER FOR PRODUCTION & TRANSPORTATION OF CONCRETE WITH A SELF LOADING ATTACHMENT

(51) International classification :B28C5/42

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :NA

Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :3102/MUM/2011

Filed on :03/11/2011

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)AMIT ARUN GOKHALE**

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400071 Maharashtra India

**2)ANAND ARUN GOKHALE**

(72)Name of Inventor :

**1)AMIT ARUN GOKHALE**

**2)ANAND ARUN GOKHALE**

(57) Abstract :

novel SCMD transit mixer for production and transportation of Concrete described by the main patent application no. 3102/MUM/2011 is further provided with an optional self loading attachment in order to make it self sufficient in terms of raw material loading. The self loading attachment is provided in the form a truck-mounted crane having a clamshell bucket of various sizes, rotatable in 360 degrees. The crane is operated by hydraulically and is provided drive from the slave engine of the SCMD transit mixer or from the truck PTO on which it is mounted. The same crane is provided with an optional radio remote and an automatic quick coupler arrangement for attaching & detaching the clamshell. The crane is also provided with optimum reach so that it can be used even for placing of mixed concrete making the equipment self sufficient in loading of raw materials, batching, mixing & even placing of concrete in a stand-alone operation.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2057/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :18/06/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : REINFORCED INTERLOCKING INSULATED BUILDING BLOCK SYSTEM

(51) International classification

:E04C1/41,  
E04B2/02

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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**1)SHAIKH SHOEB HAJIMIYA**

(57) Abstract :

The reinforced interlocking insulated building block comprised of front reinforced concrete slab of block, emboss part of insulation for inter locking, insulation material sandwich between two reinforced concrete slabs, engrave part of insulation for interlocking and rear part of reinforced concrete slab. These two concrete slabs connected by connecting columns which contain wires which is welded or tied to wire mesh or mesh grid of concrete slabs. This said block is made by mould which has various steps. This said block is joined horizontally and vertically by mortar which is joining agent. The mortar is applied to block by horizontal joint making tool and vertically by vertical joint making tool. The reinforced interlocking blocks have different thickness, length and height.

No. of Pages : 29 No. of Claims : 21

(54) Title of the invention : RAPID DETECTION OF CANDIDA SPECIES OR PATHOGENS AND TOXIN BY LESS CYCLE OF BIOCONJUGATE-NANO-PCR

(51) International classification	:C12Q1/68; C12P19/34	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)Dr. Sunita Dashrath Bansod</b>
(32) Priority Date	:NA	Address of Applicant :C/o Dr. Dashrath Bhagwanji Bansod
(33) Name of priority country	:NA	Suvidha House, Paturnandapur, Dist Akola Pin: 444107
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)Dr. Sunita Dashrath Bansod</b>
(61) Patent of Addition to Application Number	:NA	<b>2)Dr. Mahendra K. Rai</b>
Filing Date	:NA	<b>3)Dr. Vaibhav Tiwari</b>
(62) Divisional to Application Number	:NA	<b>4)Miss. Shital Bonde</b>
Filing Date	:NA	

## (57) Abstract :

Following invention provides a Bioconjugate-Nano-PCR as a rapid and specific method for identification of Candida species in less time. This requires very low concentration of master mix and DNA sample of Candida albicans in conjugation with gold nanoparticles (AuNPs) and silver nanoparticles (AgNPs). We report a modification of the PCR assay with nanoparticles that allows the detection of high fidelity amplification of ITS-rDNA and beta ( ) tubulin gene of Candida species from low concentrated DNA in short period. We synthesized and characterized the covalently attached 34 nm (AuNPs) and 35nm of (AgNPs) and conjugated with C. albicansDNA sample, which is used as a template for PCR. The use of this nanoparticle modified template improves the sensitivity and specificity of the traditional PCR assay with very low cycles which is very helpful in molecular diagnostics and therapeutics. It proves to be an effective method for identification of Candida species with low concentration of DNA. This type of PCR assay is useful for detection of target gene by enhancing the specificity of the target gene and is less time consuming. Following invention is described in detail with the help of Figure 1 of Sheet 1 showing UV-Visible spectra of fungal cell filtrate (showing no peak) and AuNPs showing peak at 543 nm, Figure 2 of Sheet 2 showing UV-Visible spectra of fungal cell filtrate (showing no peak) and AgNPs showing peak at 434 nm, Figure 3 of Sheet 3showing FTIR spectrum of gold nanoparticle, Figure 4 of Sheet 4showing FTIR spectrum of silver nanoparticle, Figure 5 of sheet 5 showing Optimization of PCR Cycle: 35, Time: 3hrs, Amplicon of ITS region: 500bp, Figure 6 of sheet 5 Optimization of PCR Cycle: 35, Time: 3 hrs, Amplicon of -tubulin gene: 300bp, Figure7 of sheet 6 showing Optimisation of PCR Cycle: 20, Time: 1:45min, Amplicon of gene: 300bp, Figure 8 of sheet 6 showing Optimization of PCR Cycle: 15, Time: 1:30hrs, Amplicon of ITS region: 500bp.

No. of Pages : 27 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1914/MUM/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : PURE DIRECTLY COMPRESSIBLE ARACHIDONIC ACID POWDER AND METHOD OF ISOLATION AND USES THEREOF

(51) International classification	:C11B1/10; C11B3/10	(71) <b>Name of Applicant :</b> <b>1)DURAGKAR, NANDAKISHORE, JEEVANRAO</b>
(31) Priority Document No	:NA	Address of Applicant :268 VASUDEV APPARTMENT, C-3
(32) Priority Date	:NA	BLOCK, NEAR LOK-MANYA TILAK MANAGEMENT
(33) Name of priority country	:NA	INSTITUTE, LAXMI NAGAR, 440021 NAGPUR, INDIA.
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)DURAGKAR, NANDAKISHORE, JEEVANRAO</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 Arachidonic acid (ARA) in its pure, directly compressible, free-flowing powder form and method of isolation thereof (ARA). The ARA of the present invention is isolated from oil(s) or fat(s) from natural sources comprising arachidonic acid in its free fatty acid form.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1285/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :02/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : AN ACCU-FEED SYSTEM WITH QUADRA DIRECTIONAL TWIN SCREW TECHNOLOGY FOR POULTRY FEEDING

(51) International classification	:A01K39/00	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)GARTECH EQUIPMENTS PVT. LTD.</b>
(32) Priority Date	:NA	Address of Applicant :GARTECH HOUSE, NO 128/4,
(33) Name of priority country	:NA	DEVIKA GARDEN, BANER ROAD, BANER, PUNE 411045
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)HARISH RAJARAM GARWARE</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 provides a mechanized Accu-Feed system with QDTS mechanism for poultry feeding. The system comprises cages arranged in rows and columns held on vertical C channels connected to each other by trolley horizontal channels standing on the legs and holding parallel feed hoppers held on top trolley wheel rails on trolley wheels. The trolley wheel rails run on both sides of the length of the battery of cages for carrying the feed hoppers holding the bulk poultry feed. The vertical C channels have guide roller brackets on both the sides of the channels. The hoppers have an outlet for dispensing the feed on the holders. A motor drive connected to and controlled by a Microprocessor is placed in the control room controls the poultry feed dispensation in accordance with the programmed quantity. The microprocessor is equipped with software designed for the system.

No. of Pages : 21 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2651/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :13/08/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : CONTROL THROUGH COMMUNICATION (POWER SAVER)

(51) International classification	:G05B99/00, G08C17/00	(71)Name of Applicant : <b>1)ZERO POINT ENERGY PVT. LTD.</b> Address of Applicant :YOGESHWARI PRASAD APPT., TRIMURTI NAGAR, NAGPUR 440022, Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)MANDAR TULANKAR</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 :

The present invention represents the overall design of Appliances control System with low cost and wireless mode of communication. The main control system implements wireless Android technology to provide remote access from smart phone. For implementation of the module existing electrical switches need not be replaced at the same time more safety control on the switches could be provided by using low voltage activating method. The switches status (on/off) is synchronized in the entire control system by the help of which the user would get a notification whether his appliance is in active state or inactive (i.e) switched on or switched off The system is intended to control electrical appliances and devices in house with relatively low cost design, user-friendly interface and ease of installation. Furthermore, flexible types of connections are designed as backup connections to the system. The easy to use interface on Window and Android graphical user interface provides simple control for use. The present invention is capable enough of supporting, the Window graphical user interface with speech recognition voice control. The device can also support other applications like security camera, PIR sensors motion detectors and other applications could be integrated with ease in the existing system. With the use of Android platform integration of other softwares along with the existing ones like GPS, accelerometers, gyroscopes, barometers, magnetometers, dedicated gaming controls, proximity and sensors, thermometers, accelerated 2D bit blits (with hardware orientation, scaling, pixel format conversion) and accelerated 3D graphics is also possible in the present invention

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2492/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :28/07/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : HYBRID TOOL CONCEPT FOR BORING, REAMING & CHAMFERING IN A SINGLE TOOL

(51) International classification	:E21B41/00	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)Mr. Rajendra Shaligram Kadu</b>
(32) Priority Date	:NA	Address of Applicant :Pl. no. 78, Renuka Apartment, South
(33) Name of priority country	:NA	Eastern Railway Colony, Pratap Nagar, Nagpur 440022
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)Mr. Rajendra Shaligram Kadu</b>
(61) Patent of Addition to Application Number	:NA	<b>2)Dr. Jayant Pandurang Modak</b>
Filing Date	:NA	<b>3)Dr. Gajanan Kondbaji Awari</b>
(62) Divisional to Application Number	:NA	<b>4)Mr. Prashant Shaligram Kadu</b>
Filing Date	:NA	

(57) Abstract :

This invention deals with the concept of three operations in one tool. That means provision for boring, reaming and chamfering is made in a single tool. This hybrid concept tool helps us to increase the tool life by twenty five times than the earlier boring process. More over this also helps user to reduce the operation cycle time, tool setting time and cost of operation. Following invention is described in detail with the help of figure 1 of sheet 1 showing assembly drawing of the system, figure 2 of sheet 2 showing carbide tool assembly drawing of the system, Figure 3 of sheet 3 showing Solid reamer with Brazed Carbide Tip for Finish operation, Figure 4 of sheet 4 showing rough boring bar, Figure 5 of sheet 5 showing SCMT Insert for Rough Boring Bar.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2774/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :26/08/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : A HARD DRINK TIN-CAN HAVING SEPARATE COMPARTMENETS FOR HARD DRINK AND MIXER LIQUID TO HAVE INSTANT MIX JUST BEFORE OR AFTER OPENING

(51) International classification	:B65D8/04	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)AMIT ARUN GOKHALE</b>
(32) Priority Date	:NA	Address of Applicant :C/O. MR. J. D. APTE, BUNGLOW
(33) Name of priority country	:NA	NO.19, VAIKUNTH BUNGLOWS, SINDHI SOCIETY, NEAR
(86) International Application No	:NA	VIVEKANAND POLYTECHNIC, CHEMBUR, MUMBAI-400
Filing Date	:NA	071, Maharashtra India
(87) International Publication No	: NA	<b>2)ANAND ARUN GOKHALE</b>
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)AMIT ARUN GOKHALE</b>
(62) Divisional to Application Number	:NA	<b>2)ANAND ARUN GOKHALE</b>
Filing Date	:NA	

(57) Abstract :

As compared with the beer TIN-Can, a variety of hard drinks like scotch Whisky,Vodka & RUM, etc cannot be consumed immediately after buying as these need to be mixed with the mixer material like water, soda, variety of carbonated cold drinks Or a variety of juices. So one needs to buy the hard drink along-with separate bottles of the mixer materials and mix it separately with or without a peg measure before consumption. However if somebody wants an instant mixed hard drink, without going through the said hassles, it is not possible with the current products available. The present invention therefore presents A novel Hard Drink TIN-Can having separate compartments for hard drink & mixer liquid to have instant mix just before or after opening. The said TIN-Can is provided with separate compartments where the hard drink and the mixer material is kept in un-mixed condition & is provided with an arrangement to break-open the internal partition so as to allow instant mixing before or just after opening the TIN-Can.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2775/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :26/08/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : A NOVEL PORTABLE FULLY AUTOMATIC SEPARATE BATCHING UNIT FOR FEEDING A SCMD TRANSIT MIXER WITHOUT IN-BUILT BATCHING SYSTEM

(51) International classification :B28C5/00

(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 :3102/MUM/2011

Filed on :03/11/2011

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)AMIT ARUN GOKHALE**

Address of Applicant :C/O. MR. J. D. APTE, BUNGLOW  
NO.19, VAIKUNTH BUNGLOWS, SINDHI SOCIETY, NEAR  
VIVEKANAND POLYTECHNIC, CHEMBUR, MUMBAI-400  
071, Maharashtra India

**2)ANAND ARUN GOKHALE**

(72)Name of Inventor :

**1)AMIT ARUN GOKHALE**

**2)ANAND ARUN GOKHALE**

(57) Abstract :

A novel SCMD transit mixer for production and transportation of Concrete described by the main patent application no. 3102/MUM/2011 is further provided with an optional apparatus Novel portable Fully automatic separate batching unit for feeding SCMD Transit Mixer without inbuilt batching system; which uses the simple gravitational force to feed the SCMD transit mixers in a very short period of time and with a fully automatic PLC control system. The batching unit output depends upon the gate openings. The said unit uses an UPPER Module having a no. of separate compartments for different types of aggregates which is supported by a LOWER module. The Lower Module is provided with a heavy duty base platform suspended or supported on a set of electronic load-cells on which the SCMD transit mixer is placed for loading. The said batching unit has very low connected power requirement & feeds the entire transit mixer in one single batch. It has much higher accuracy & much higher consistency due to the very large batch size. It has a very low capital cost & operation & maintenance cost compared to the conventional batching & mixing plant in spite of much higher output and shorter loading time.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2776/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :26/08/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : FULLY AUTOMATIC MOBILE CONCRETE BATCHING & MIXING PLANT WITH A NOVEL SCMD MIXER.

(51) International classification :B28C5/42

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :NA

Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :3102/MUM/2011

Filed on :03/11/2011

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)AMIT ARUN GOKHALE**

Address of Applicant :C/O. MR. J. D. APTE, BUNGLOW  
NO.19, VAIKUNTH BUNGLOWS, SINDHI SOCIETY, NEAR  
VIVEKANAND POLYTECHNIC, CHEMBUR, MUMBAI-400  
071, Maharashtra India

**2)ANAND ARUN GOKHALE**

(72)Name of Inventor :

**1)AMIT ARUN GOKHALE**

**2)ANAND ARUN GOKHALE**

(57) Abstract :

The invention Fully Automatic Mobile Concrete Batching & Mixing plant with a Novel SCMD Mixer wherein the said Novel SCMD Transit Mixer for production & transportation of concrete as disclosed by Indian Patent No 3102/MUM/2011 dated 03/11/2011 and International Application No. PCT/IN2010/000885 dated 22/12/2011 is further provided with a fully automatic weighing system and separate compartments to carry different types of ingredients in un-mixed condition during transit & mix them by automatically weighing them with respect to the pre-set recipe to provide fresh concrete after reaching site. The said invention is also designed to be used as a mobile batching & mixing plant provided with its own power, mounted on a rigid commercial truck and able to feed the normal conventional transit mixers with or without truck. It is also designed to carry dry-mix during transit in separate un-mixed condition and to produce fresh concrete after reaching site. It can be made in various capacities, if used without truck for feeding conventional transit mixers & has several distinct advantages over the conventional stationary plants.

No. of Pages : 33 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2802/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :28/08/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : ISOMETRIC ATTACHMENT

(51) International classification	:B43L13/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DR. BASANT AGRAWAL
(32) Priority Date	:NA	Address of Applicant :2/3, SGSITS CAMPUS, 23 PARK
(33) Name of priority country	:NA	ROAD, INDORE - 452003 Madhya Pradesh India
(86) International Application No	:NA	2)DR. C. M. AGRAWAL
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)DR. BASANT AGRAWAL
(61) Patent of Addition to Application Number	:NA	2)DR. C. M. AGRAWAL
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Isometric attachment is in the form of a three in one blade making angles of 120° with the adjacent blades. The blades are graduated with linear scale (indicating either true lengths or isometric lengths). In normal position, one of the blades of the scale is vertical and the other two blades are inclined at an angle of 30° to the horizontal. The isometric attachment can be fitted to the pantograph of a drafting machine or a mini-drafter. The isometric attachment will be primarily used as drawing aid in preparation of the isometric drawings. It can also be used for the constructions of regular hexagons and equilateral triangles. They shall be used in Engineering and Architectural Drafting especially in engineering drawings, machine drawings and structural drawings.

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

(54) Title of the invention : ONLINE ERROR COMPENSATION METHODOLOGY FOR UTILITIES AND INDUSTRIAL METERING SYSTEM

(51) International classification	:G01R22/00	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)Makarand Sudhakar Ballal</b>
(32) Priority Date	:NA	Address of Applicant :Department of Electrical Engineering,
(33) Name of priority country	:NA	Visvesvaraya National Institute of Technology, Nagpur
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	<b>2)Hiralal Murlidhar Suryawanshi</b>
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)Makarand Sudhakar Ballal</b>
Filing Date	:NA	<b>2)Hiralal Murlidhar Suryawanshi</b>
(62) Divisional to Application Number	:NA	<b>3)P A Venikar</b>
Filing Date	:NA	<b>4)R S Jhariya</b>

(57) Abstract :

Correct billing for electricity consumption is always challenging for the utilities. Now a day, static and digital meters are used and they provide more accurate measurement of energy. However, for industrial and HT/EHT type billing system, metering transducers i.e. CTs and PTs are used. These metering transducers are of different accuracy classes and they add their errors in the energy measurement. Therefore, the energy measured by the meter always consists of errors due to metering transducers and errors due to Tri-Vector Meter (TVM). Attempt is made in this work to minimize these errors up to the 0.1 class of accuracy for all the metering transducers as well as TVM. The characteristics of every CT and PT indicating ratio and phase angle errors are collected prior to their commissioning. Also, the errors data for TVM is collected. This error data obtained in comparison with 0.1 class of equipment at different load, pf, voltage and environmental conditions is stored in separate memory chip in the meter. During actual operational performance, the Error Compensation Model (ECM) developed here computes the Error Compensation Coefficients (ECCs) for every CT, PT and TVM. These ECCs ( and ) are applied to their respective outputs and then these corrected outputs of metering transducers are allowed to be processed by TVM processor. The output of TVM is also corrected by its ECC application (1 and 2) before the final display of active power (P) and reactive power (Q) as well as energies. The main advantage of the ECM is that it can be applied for online error compensation to any HT/EHT or industrial metering system. Following invention is described in detail with the help of Fig. 1 which represents a conventional Energy Metering System (EMS) in practice. Fig. 2, Fig. 3, and Fig. 4 illustrates the experimental or testing setup to collect the data relevant errors for every PT, CT and TVM respectively at different load, pf, voltage and environmental conditions. Fig. 5 depicts the online algorithm developed for computation of ECCs pertaining to PTs i.e. coefficients. Fig. 6 depicts the online algorithm developed for computation of ECCs pertaining to CTs i.e. coefficients. ECCs pertaining to TVM for active (P) and reactive (Q) power i.e. 1 and 2 coefficients are computed by online ECM algorithm is illustrated in Fig.7. The complete scheme consisting of error compensation module is illustrated in Fig. 8. The errors of any kind of metering system viz. industrial metering, substation metering, can be limited within  $\pm 0.3$  % of accuracy. It means the ECM proposed here enforced the existing metering of any class system to operate with high class of accuracy. This ECM does neither require additional hardware nor consume any additional power.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1659/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :07/05/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : SYSTEM AND METHOD FOR MULTIFACTOR AUTHENTICATION AND LOGIN THROUGH SMART WRIST WATCH USING NEAR FIELD COMMUNICATION

(51) International classification	:H04B5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)PRATHAMESH ANAND KORGAONKAR</b>
(32) Priority Date	:NA	Address of Applicant :N-35/S-4/5/2/2, SWAMI
(33) Name of priority country	:NA	VIVEKANANDA NAGAR, NEAR OLD STATE BANK,
(86) International Application No	:NA	NASIK, 422009, Maharashtra India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)PRATHAMESH ANAND KORGAONKAR</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 multifactor authentication and login using a smart wrist watch with atleast one NFC (Near Field Communication) technology tag, with a computing device such as mobile, pda, tablets, laptop, desktop.or any similar system comprising user Authentication NFC login support and multifactor login support system or website wherein atleast one NFC tag id arrayed in Smart Wrist watch is used for said device system or said website already registered at the time of sign up or setting user name and password is treated as second authentication factor.

No. of Pages : 21 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2474/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :27/08/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : SOLAR OPERATED ENERGY EFFICIENT EVAPORATIVE AIR COOLER WITHOUT PUMP

(51) International classification	:F25B27/00, H01L31/024	(71)Name of Applicant : <b>1)SAPALI SHIVALINGAPPA NAGAPPA</b>
(31) Priority Document No	:NA	Address of Applicant :FLAT-06, ANANDI BAUG
(32) Priority Date	:NA	APARTMENT, TEJASNAGAR, BEHIND MANTRI PARK,
(33) Name of priority country	:NA	KOTHRUD, PUNE - 38. Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)SAPALI SHIVALINGAPPA NAGAPPA</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 evaporative cooler is the need of small roadside shops, departmental stores, net cafe cabins, fulfilling cooling requirements of a person(s) sitting on the counter who cant afford to install window air conditioner due to its limitations. The limitations are overcome by evaporative cooler, such as low space requirements, low power consumption, handy, portable, low initial cost, and does not require closed space. Conventional evaporative cooler consists of a fan and pump, which are two parts, consumes comparatively more energy the present unit. The novel idea of this invention is to eliminate the pump from the cooler. The need of recirculation of water is replaced by dripping property of fiber material or any raw material with suitable porosity.

No. of Pages : 11 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/08/2012

(21) Application No.2475/MUM/2012 A

(43) Publication Date : 06/09/2013

(54) Title of the invention : INNOVATIVE WIND TURBINE

(51) International classification	:F03D11/00, F03D1/06
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)KALE SANDIP ACHUTRAO**

Address of Applicant :AT/PO-JAMGAON, TAL-PARNER,  
DIST-AHMEDNAGAR - 414 103 Maharashtra India

**2)SAPALI SHIVALINGAPPA NAGAPPA**

(72)Name of Inventor :

**1)KALE SANDIP ACHUTRAO**

**2)SAPALI SHIVALINGAPPA NAGAPPA**

(57) Abstract :

This innovative wind turbine according to the present invention includes an innovative upwind or downwind rotor with two or more number of entry and exit passages or leaves having proper designed shape and size, connected to drive shaft. Conventional blades used in horizontal or vertical axis wind turbines are not used in present innovative wind turbine. Then the drive shaft is connected directly or through the transmission elements to the generator to produce electricity. The axis of the rotor may be horizontal, inclined or vertical. In conventional horizontal axis wind turbines, some energy is abstracted by the rotor and remaining air flows behind rotor. This innovative present rotor may abstract more energy from the wind and reaming low energy air may flow around the periphery and /or behind the rotor. When air enters in the rotor the formation of lift and drag forces will cause rotation of the rotor.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2691/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :19/08/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : SUBCARRIER ALLOCATION AND GROUPING

(51) International classification	:H04J13/00, H04J99/00
(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)KALE, Hema, Rajendra**

Address of Applicant :5, Ramkrishna Nagar, Ajni Square,  
Opposite to Chevrolet Showroom, Wardha Road, Nagpur -  
440015, Maharashtra India

(72)Name of Inventor :

**1)KALE, Hema, Rajendra**

(57) Abstract :

Methods and systems of the present disclosure are provided for throughput improvement in a communication system. Methods and systems are also provided for fair and efficient allocation of subcarriers, also interchangeably referred to as channels hereinafter, using an efficient subcarrier allocation and grouping method. According to one embodiment, subcarriers are allocated to the users based on channel state information (CSI) obtained at a base station, wherein a user experiencing minimum fading on a subcarrier in context is allocated the respective subcarrier. In a similar way, all the subcarriers are allocated to users and subcarriers allocated to each user further forms a group of subcarriers for the user. Systems and methods of the present disclosure also allow groups of subcarriers to be dynamically and adaptively allocated channels and power based on parameters such as transmit power required by the subcarriers.

No. of Pages : 28 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2821/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :29/08/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : MICRO LIGHT SOURCE UTILITY MODEL FOR VARIOUS PURPOSE.

(51) International classification	:F21V29/00; F21V9/08	(71)Name of Applicant : <b>1)DR. SAGAR SUNIL KAPSE</b> Address of Applicant :DR. SAGAR SUNIL KAPSE FLAT- 802, ABHIYANTA SOCIETY, PLOT NO-4, SECTOR 42, NEAR SEAWOODS RAILWAY STATION, NERUL (W)-400706, NAVI MUMBAI, Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	(72)Name of Inventor : <b>1)DR. SAGAR SUNIL KAPSE</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 disclosure relates to a product Highlighting and illuminating a particular area, which otherwise will be dark, requiring illumination enabling better visibility through adaptation of the light source utility in that area on the instrument used in the working area By acting as a temporary mountable light in the various fields such as dental, medical and jewellery making garages, motor vehicle field. Automobile industry, jewelry making, Culinary Decoration, General purpose as decorative item, Mobile, watch repairing thereof.

No. of Pages : 27 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/08/2013

(21) Application No.2825/MUM/2013 A

(43) Publication Date : 06/09/2013

(54) Title of the invention : DISPOSABLE, NONTRAUMATIC AND COST EFFECTIVE SUCTION DEVICE FOR PERFORMING FIRST TRIMESTER ABORTIONS

(51) International classification	:A61B17/00, A61M1/00	(71) <b>Name of Applicant :</b> <b>1)KRISHNA INSTITUTE OF MEDICAL SCIENCES</b> Address of Applicant :KRISHNA INSTITUTE OF MEDICAL SCIENCES NEAR DHEBEWADI ROAD, MALKAPUR, KARAD, 415110, Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)DR.ASHUTOSH VINAY</b>
(87) International Publication No	: NA	<b>2)DR NITIN S KSHIRSAGAR</b>
(61) Patent of Addition to Application Number	:NA	<b>3)DR.SHRADDHA ASHUTOSH BAHULEKAR</b>
Filing Date	:NA	<b>4)DR SACHIN KADAM</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A disposable, cheap, easy to use, safe and non-traumatic suction tubing and assembly is devised for the first time for performing first trimester surgical abortions, incomplete abortions and missed abortions upto 10 weeks of gestation. This device is not only cost effective and easy to assemble and use but also safe since it is non-traumatic to the tissues and being disposable it is free of infective complications. This device is really effective and helpful for surgical termination of first trimester of pregnancy even at smaller centres.

No. of Pages : 8 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :02/07/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : SUICIDE PREVENTION DEVICE FOR CEILING FANS AND PROCESS FOR IT

(51) International classification	:F04D25/08, F04D29/043	(71)Name of Applicant : <b>1)DR. RAVISHANKAR SHARMA</b>
(31) Priority Document No	:NA	Address of Applicant :1064, RAILWAY CROSSING, HATHILAL, JABALPUR , 482001 Madhya Pradesh India
(32) Priority Date	:NA	(72)Name of Inventor :
(33) Name of priority country	:NA	<b>1)DR. RAVISHANKAR SHARMA</b>
(86) International Application No	:NA	
Filing Date	:NA	
(87) 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 :

Suicide is taking ones own life voluntarily. In a large number of cases the persons committing suicide do so by hanging themselves from ceiling fan with aid of a rope noose around their neck with resultant compression of vital respiratory passage; spinal cord and blood vessels causes death. In order to prevent the deaths due to this type of hanging, I have devised a process and device to prevent such deaths. I have made modifying arrangements in the shaft of ceiling fan on which the motor and fan blades are attached. Modified shaft is now made of two hollow metal tubes. One narrower (inside) and outer wider one. This telescopic arrangement allow the movement in and out of the inner tube with aid of a heavy duty spring. As soon as the person hangs himself, the assembly moves towards the floor and persons feet touch the ground and compression of neck is prevented. The assembly can be attached to any existing ceiling fan also and has been tested successfully in 50 persons.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2796/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :28/08/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : SPINAL AND EPIDURAL ANAESTHESIA SIMULATOR

(51) International classification	:A61M19/00, A61M21/00
(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)KRISHNA INSTITUTE OF MEDICAL SCIENCES**

Address of Applicant :KRISHNA INSTITUTE OF MEDICAL  
SCIENCES NEAR DHEBEWADI ROAD, MALKAPUR,  
KARAD, 415110, Maharashtra India

(72)Name of Inventor :

**1)Dr. A. V. Nadkarni**

**2)Dr. V. K. Dhulkhed**

**3)Dr. Shilpa Shenai**

**4)Dr. Shraddha Naik**

**5)Dr. Amit Kadam**

(57) Abstract :

Increasing awareness in the society about the healthcare has resulted in heightened expectations of improved surgical outcome, patient safety and care. The junior doctors, who are going to practice spinal and epidural anaesthesia on patients, therefore must go through an initial step of training in skill lab which can make him a well learned adequately trained in skills and a wise health provider than one without it. To achieve this goal, we intend to develop an innovative, life size simulator to be used with full advantage in the skill lab.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2728/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :21/08/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : MUSCLE RELAXANT COMPACT DOSAGE FORM.

(51) International classification :A61K31/00; A61K31/704  
(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)ZOTA HEALTH CARE LTD**

Address of Applicant :ZOTA HOUSE, 2/896,HIRA MODI STREET, SAGRAMPURA, SURAT-395002, GUJARAT, INDIA

(72)Name of Inventor :

**1)DR. SANJAY AGRAWAL**

**2)MR. KAMLESH RAJNIKANT ZOTA**

**3)MR. KETAN CHANDULAL ZOTA**

**4)MR. MANUKANT CHANDULAL ZOTA**

**5)MR. HIMANSHU MUKTILAL ZOTA**

(57) Abstract :

The present invention is based on muscle relaxant medicament dosage containing a combination of a non steroidal anti inflammatory drug and a thiocolchicoside derivative.

No. of Pages : 12 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2788/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :27/08/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : BAKED POTATO SNACK.

(51) International classification	:A23L1/216
(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)MR. KIRAN MULJI SHAH**

Address of Applicant :MR. KIRAN M. SHAH 802/803,  
PARK SIDE-2, RAHEJA ESTATE, KULUPWADI,  
LANDMARK NEAR NATIONAL PARK, BORIVALI EAST,  
MUMBAI-400066, Maharashtra India

(72)Name of Inventor :

**1)MR. KIRAN MULJI SHAH**

(57) Abstract :

The present invention discloses a method of making healthy snacks with whole multi-grain having high fibre content low calorie, better taste it also includes the process of preparing baked snack food product with a soft, crunchy texture similar to fried snack with high nutritional value better shelf life.

No. of Pages : 8 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.2741/MUM/2013 A

(43) Publication Date : 06/09/2013

(54) Title of the invention : METHODS AND SYSTEMS FOR VIDEO INFORMATION RETRIEVAL.

(51) International classification	:G06F17/30	(71)Name of Applicant :
(31) Priority Document No	:NA	1)AVINASH N BHUTE
(32) Priority Date	:NA	Address of Applicant :B-504, GRANDE VIEW-7,
(33) Name of priority country	:NA	AMBEGAON(BK.), PUNE-411 046, Maharashtra India
(86) International Application No	:NA	2)DR. B.B. MESHRAM
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)AVINASH N BHUTE
(61) Patent of Addition to Application Number	:NA	2)DR. B.B. MESHRAM
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The Video information retrieval systems comprises a client system having means of search request in respect of desired video data; and means of accessing the video data on the basis of user interface with unique video identifier VID; derived from at least a source of video data means is operatory connected via at least a server having access to one or more database containing meta data information relating to a large number of video data, means being also adapted to operate with a means for extraction of a feature database with metadata information and to a, means for storing said feature database with metadata information; server can received the search request from client system and detect required video data which is stored in at least one of the repository substantially corresponds to the search request; and at least one video repository having: video storage arrangement. The computer-implemented methods of characterizing video includes the step of extracting the frame from an input video, selecting key frame, matching the similarity with database and retrieve the video from a query video input frame.

No. of Pages : 14 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2689/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :16/08/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : 'UPDRAFT GASIFICATION TAR CRACKING SYSTEM.

(51) International classification	:F23G5/027; F23G7/00	(71) <b>Name of Applicant :</b> <b>1)RADHE RENEWABLE ENERGY DEVELOPMENT PVT. LTD</b> Address of Applicant :PLOT-2621/22, GATE-1, ROAD-D/2, LODHKA GIDC, KALAWAD ROAD, PO. METODA, RAJKOT- 360 021, GUJARAT, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)DR. SHAILESH VALLABHDAS MAKADIA</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An updraft gasification tar cracking system comprises three major components including gasifier (1). firing nozzle (2), tar tank (3) and their interconnecting components. The method of tar cracking in present system comprises different steps. Hot producer gas is generated from said gasifier which contains the tar. Tar is separated from the hot producer gas by cleaning systems and transferred to tar tank for preheating and liquidation of semisolid tar. Liquid tar is transferred to firing nozzle where generation of tar droplets takes place arranged to be introduced in the combustion zone. Generated tar droplets have higher surface area compared to liquid tar. Therefore, complete tar cracking occurs in combustion zone of gasifier.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2819/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :28/08/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : CLOTHING HANGER MACHINE

(51) International classification	:A47G25/14	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)Dr. S. V. Deshmukh</b>
(32) Priority Date	:NA	Address of Applicant :Principal, suresh Deshmukh College of
(33) Name of priority country	:NA	Engineering, Selukate, Nr. Lloyds steel, Wardha Maharashtra
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)Dr. S. V. Deshmukh</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In the conventional manual methodology the time required for making clothing hanger is high. Fatigue incurred in labor is high. Accuracy in shape is not maintained in the process. Number of rejection is high. Visual inspection is required to check the dimension and shape of hanger. Mechanism in the present invention is a combination of kinematic links and joints which gives desired motion when arranged in a systematic way. In this present invention required motion is achieved for the manufacturing of complete clothing hanger. Following invention is described in detail with the help of figure 1 showing views of mechanism developed for making hook of hanger, figure 2 showing view of mechanism developed for making knot of hanger, figure 3 showing view of mechanism developed for making arm mechanism to develop complete hanger, figure 4 showing construction of semi automated process, figure 5 showing construction of Clothing hanger machine.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2786/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :27/08/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : SELF BREEDING ENERGY DEVICE AND THE MECHANISM THEREOF

(51) International classification	:H02P9/00, H02J15/00	(71) <b>Name of Applicant :</b> <b>1)NB-4 ENERGY SOLUTIONS PVT. LTD.</b>
(31) Priority Document No	:NA	Address of Applicant :J-25, PHASE-3, MIDC, SHIVAR,
(32) Priority Date	:NA	AKOLA, PIN-444104, Maharashtra India
(33) Name of priority country	:NA	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)BALWANT PURNAJI NIKHADE</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 Self breeding energy device and the mechanism thereof for the production of energy are disclosed herein. The device of the present invention comprises flywheels, diaphragm and controlling unit. The mechanism of the present invention is based on the simultaneous exploitation of an action exerted on a Flywheel-2 through Diaphragm and of the reaction being associated with that action. Through this mechanism continuous alteration of kinetic energy (generated from flywheels) into any required form of energy is possible.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.783/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :14/03/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : MODIFIED GREENHOUSE DRYER

(51) International classification	:F26B19/00
(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)Maulana Azad National Institute of Technology**  
Address of Applicant :Maulana Azad National Institute of Technology Near Mata Mandir, Bhopal Madhya Pradesh - 462051 Madhya Pradesh India  
(72)**Name of Inventor :**  
**1)Om Prakash**  
**2)Dr. Anil Kumar**

(57) Abstract :

A system for drying agricultural food crops The present invention relates to a system for drying agricultural food crops. Also, the present invention relates to a process for drying agricultural foods in the system. The system of present invention works on the principle of greenhouse effect mechanism.

No. of Pages : 15 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3628/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :16/08/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : DEVELOPMENT OF THE PROCESS FOR PREPARATION OF 'TAMARIND PULP POWDER USING FOAM MAT DRYING'

(51) International classification

:A23L

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)N. MANIMEHALAI**

Address of Applicant :NO: 40-A, DHIVYAN ILLAM,  
VISHNU PRIYA AVENUE, RAYIL NAGAR, MARAIMALAI  
NAGAR - 603 203, KANCHIPURAM DISTRICT Tamil Nadu  
India

(72)Name of Inventor :

**1)N. MANIMEHALAI**

(57) Abstract :

A process for the preparation of Tamarind Pulp Powder using Foam Mat Drying is developed using the ingredients such as Tamarind Fruit Pulp and Foaming agents. The process involves a) Deseeding of Tamarind Fruit, b) Preparation of smooth Tamarind paste from deseeded Tamarind fruit by soaking in hot water, c) Mixing of foaming agents such as Glycerol Mono Stearate and Methyl cellulose into the Tamarind paste in desired quantity, d) Foaming the mixture at a particular speed using kitchen mixture until to get low density high stable foamed Tamarind pulp, e) Drying of foamed Tamarind pulp in 1 mm thick layer using tray drier, f) Grinding the dried Tamarind foam mat into powder and g) Packing of the product for marketing

No. of Pages : 10 No. of Claims : 9



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3796/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :27/08/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : PREPARING AN OPTIMIZED TEST SUITE FOR TESTING AN APPLICATION UNDER TEST IN SINGLE OR MULTIPLE ENVIRONMENTS

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)HCL Technologies Limited</b>
(32) Priority Date	:NA	Address of Applicant :HCL Technologies Ltd. 50-53 Greams
(33) Name of priority country	:NA	Road, Chennai 600006, Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)ARIVUKARASU SIVANESAN</b>
(87) International Publication No	: NA	<b>2)JOHNSON SELWYN</b>
(61) Patent of Addition to Application Number	:NA	<b>3)DHANYAMRAJU S U M PRASAD</b>
Filing Date	:NA	<b>4)AKHILESH CHANDRA SINGH</b>
(62) Divisional to Application Number	:NA	<b>5)MADHAVA VENKATESH</b>
Filing Date	:NA	

(57) Abstract :

The invention provides a method and system to create an optimized test suite for software testing. This system fetches required input parameters such as risk parameters, release type of the application, requirement details, test case details, requirement to test case relation and so on automatically using any suitable tool. Then, first level optimized test suite is formed by removing redundant and obsolete test cases from test case set. Further, probability of failure is calculated for each test case either manually or through automation and risk index value for each test case is defined. Further, test cases are classified based on value of risk index obtained. Further, second level optimized test suite is formed by using orthogonal array methodology. Furthermore, final optimized test suite with greater precision is prepared by considering execution time of iteration of all test cases along with their risk index values.

No. of Pages : 30 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3742/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :23/08/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : METHOD, SYSTEM AND APPARATUS FOR SUPPLYING AIR AND FUEL MIXTURE TO A COMBUSTION CHAMBER

(51) International classification	:F02M	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)G. R. Bharath Sai Kumar</b>
(32) Priority Date	:NA	Address of Applicant :No.100, <sup>TM</sup> Prashanth <sup>TM</sup> , 2nd Main,
(33) Name of priority country	:NA	Vinayakanagar, Tumkur 572 101, Karnataka India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)G. R. Bharath Sai 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 :

In one aspect of the present invention carburetor comprises a hollow first cylinder and a hollow second cylinder. In one embodiment, hollow first cylinder comprising plurality of nozzles formed on the lateral surface and nozzles providing flow path for a fuel to flow from the hollow region to outside of the later surface of the first cylinder. In another embodiment, hollow second cylinder placed on the first cylinder and the axis of the first cylinder and the second cylinder coincide. In another aspect of the present invention, sliding the second cylinder over the first cylinder, and number of nozzles through which fuel flows out increases when the outer cylinder is slide in first direction. In one embodiment, the first cylinder is placed in a first region through which air is sucked into the combustion chamber. In another embodiment, a throttle control operative to increase the engine power, may be coupled to the second cylinder such that increasing throttle pulls the second cylinder in the first direction.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3781/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :26/08/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : METHOD AND SYSTEM FOR CREATING FAULT THRIVINGAUTOMOTIVE DISPLAY ECU

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)HCL Technologies Limited</b>
(32) Priority Date	:NA	Address of Applicant :HCL Technologies Ltd. 50-53 Greams
(33) Name of priority country	:NA	Road, Chennai 600006, Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)R Srinivasan</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 :

Disclosed herein is a system and method for fault management in an electronic control unit (ECU) in an automotive environment. In this system, In vehicle infotainment functionalities are assigned to a Real Time Operating System 1 (RTOS 1) and Instrument cluster functionalities to a Real Time Operating System 2 (RTOS 2). The functionalities assigned to RTOS 1 and RTOS 2 are classified as critical and non-critical based on priority level assigned to each functionality. Further, a few selected functionalities of RTOS 1 are integrated with RTOS 2 and a few selected functionalities of RTOS 2 are integrated with RTOS 1. When any of the operating systems RTOS 1 or RTOS 2 fails, the other can act as a backup and can execute integrated functionalities of the failed operating system.

No. of Pages : 39 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/08/2013

(21) Application No.3783/CHE/2013 A

(43) Publication Date : 06/09/2013

(54) Title of the invention : SYSTEM AND METHOD FOR ENABLING DOWNLOADING OF FILES

(51) International classification	:G06F, H04L
(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)VENKATESH Sandeep**

Address of Applicant :#108, 5th cross, Milk Colony,  
Malleshwaram, Bangalore-560055 Karnataka India

(72)Name of Inventor :

**1)VENKATESH Sandeep**

**2)JAGADISH Nitin**

**3)MANJUNATH Sunil Kumar Karehalli**

(57) Abstract :

System and method for enabling downloading of files. The system includes an application module (102), download configuration module (106) and a database module (108). The application module (102) is configured to be associated with a device and collect data pertaining to a user<sup>TM</sup>s preference for downloading a file. The application module (102) communicates the preferences of a user to a download configuration module (106). The download configuration module (106) locates the files requested for the download, and thereupon splits the file into multiple parts based on the user<sup>TM</sup>s preferences. The multiple parts are downloaded onto one or more devices, based on the user<sup>TM</sup>s preferences. Upon completion of the download onto one or more devices, all the parts of the file are imported onto a device. The application module (102) is configured to combine all the parts of the file into a larger file.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3825/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :28/08/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR MULTI-PROTOCOL TRANSLATION

(51) International classification	:H04L
(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)WIPRO LIMITED**

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

(72)Name of Inventor :

**1)Madhukar Gunjan Chakhaiyar**

(57) Abstract :

This disclosure relates generally to communication network protocols, and more particularly to systems and methods for multi-protocol translation. In one embodiment, a multi-protocol translation method is disclosed, comprising: receiving, at a storage area network switch, a frame formatted according to a first protocol; selecting, using the received frame, a second protocol from a plurality of protocols according to which to convert the received frame; obtaining a protocol format specification data of a second protocol; converting by the storage area network switch, the received frame to a converted frame according to the second protocol based on the protocol format specification data of the second protocol; and providing, by the storage area network switch, the converted frame.

No. of Pages : 33 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.797/KOL/2010 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : A PROCESS FOR PREPARING ALUMINIUM CITRATE IN ORALLY ADMINISTRABLE FORM EFFECTIVE AGAINST GASTROINTESTINAL DISORDERS .

(51) International classification	:C07C51/41	(71)Name of Applicant :
(31) Priority Document No	:NA	1)PATHAK PREM SHANKAR
(32) Priority Date	:NA	Address of Applicant :119E, MANCHESWAR INDUSTRIAL
(33) Name of priority country	:NA	ESTATE, BHUBANESWAR-751010, Orissa India
(86) International Application No	:NA	2)BHARDWAJ HARSHVARDHAN
Filing Date	:NA	3)BHARDWAJ GAURAVARDHAN
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)PATHAK PREM SHANKAR
Filing Date	:NA	2)BHARDWAJ HARSHVARDHAN
(62) Divisional to Application Number	:NA	3)BHARDWAJ GAURAVARDHAN
Filing Date	:NA	

(57) Abstract :

Heretofore aluminium citrate was prepared from aluminium chloride by interacting them under vigorous agitation, preferably at low temperatures. Aluminium chloride of desirable grade is not readily available in this part of the country and this route is found to be lacking in cost effectiveness. As alternative route was being searched and this led to the present invention which relates to a process for preparing aluminium citrate in orally administrable form effective against gastrointestinal disorders, characterized in that the said process comprises - (a) dissolving potash alum  $[K_2 Al_2 (SO_4)_3, 24 H_2O]$  by heating in water until a clear solution results; (b) adding solid or powdery sodium bicarbonate in water and boiling the mixture until dissolution results; (c) mixing solutions (a) and (b) in stoichiometric proportions under stirring and allowing the thus formed precipitate to settle for a period varying between 6 and 8 hours without agitation; (d) decanting the supernatant liquid followed by washing of the precipitate with distilled water until the wash liquid is free from  $SO_4$  ions; (e) adding citric acid solution to the reaction mass obtained from step (d), boiling the reaction medium to a temperature not exceeding  $90^\circ C$  under gentle stirring, and adjusting the pH between 6 and 7; (f) cooling the reaction medium to ambient temperature, filtering if necessary, and storing the final solution of aluminium citrate in orally administrable form followed by transferring the solution into suitable receptacles in predetermined volumes prior to dispatch to outlets.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.917/KOL/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : SEQUENTIAL MULTI-CONTACT ELECTRICAL CONTACTORS

(51) International classification	:H02B1/04	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)ROY DIPAK</b>
(32) Priority Date	:NA	Address of Applicant :16, KANKULIA ROAD GOLPARK,
(33) Name of priority country	:NA	KOLKATA - 700 029 WEST BENGAL, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)ROY DIPAK</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 Electrical Contactor installed with multiple sets / pairs of Contact Tips to carry the total current through more than one parallel paths and the Contact Tips engaging and specially, disengaging in a sequence with a time gap so as to restrict the disengaging arc within one pair of Contact Tips, which can be made of arc-resistant material, even if of low conductivity and the major share of the current is bye-passed through the other parallel path(s), not subject to disengaging arcing Such Electric Contactors are most suitable for High-voltage, high-current DC power circuits, as in Electric Traction systems using DC Traction Motors.

No. of Pages : 12 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.244/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :04/03/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : MANUAL PADDY TRANSPLANTER

(51) International classification	:A01C11/02
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)RANJIT MIRIG**

Address of Applicant :AT PO GADAMUNDA, VIA:  
REMAD BLOCK: DHANKAUDA, DIST: SAMBALPUR,  
ODISHA-768004 Orissa India

(72)Name of Inventor :

**1)RANJIT MIRIG**

(57) Abstract :

A manual paddy transplanter (100) for mat based seedlings where in the transplanter consists of a seedling tray (11), picking fingers (12), grooves in the seedling tray (13), lug wheels (14), sliding tray (15), cylindrical cam follower with trapezoidal grooves mechanism (16), four bar linkage mechanism (17), handle (18), pulling rod (19), and chain & sprocket arrangement.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.932/KOL/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : FUEL SAVING DEVICE.

(51) International classification	:F02M27/04
(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)DEBOJYOTI BABDOPADHYAY**  
Address of Applicant :35 P.C. MUKHERJEE STREET,  
KONNAGAR, DISTRICT - HOOGHLY , WEST BENGAL, PIN  
- 712235, INDIA  
(72)**Name of Inventor :**  
**1)DEBOJYOTI BABDOPADHYAY**

(57) Abstract :

A fuel saving device for ensuring maximum combustion of fuel source comprising a housing(4) having therewithin at least one mixing chamber(8), at least each of a first inlet(12) for input of air/oxygen under controlled pressure, a second inlet(13) for input of mixture of hydrocarbon gas(es) under controlled pressure and an outlet(7) for supply of combustible mixture from said mixing chamber(8) to the desired combustion equipment, said outlet being formed at one end of said mixing chamber(8), while said first inlet(12) and said second inlet(13) being formed at an end of said mixing chamber opposite to that of said outlet.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.839/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :12/07/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : A PROCESS FOR WASTEWATER TREATMENT

(51) International classification	:C02F3/00	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)Dr. M.K. Sahoo</b>
(32) Priority Date	:NA	Address of Applicant :Department of Chemistry North Eastern
(33) Name of priority country	:NA	Hill University Shillong - 793 022 Meghalaya India
(86) International Application No	:NA	<b>2)Prof. R.N. Sharan</b>
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)Dr. M.K. Sahoo</b>
(61) Patent of Addition to Application Number	:NA	<b>2)Prof. R.N. Sharan</b>
Filing Date	:NA	<b>3)Mr. Bhauk Sinha</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to wastewater treatment by photo-Fenton and photo-Fenton-like processes involving a metal ion catalyst and an oxidant for generation of eco-friendly effluent, which has no adverse impact on the biotic component of the environment. In particular, the invention relates to a process comprising treatment of wastewater with ferrous ions, and an oxidant in the presence of UV light and purging air at a pH of 3 and 5.78.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.947/KOL/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : ANTI-CANCER EXTRACT AND PHARMACEUTICAL COMPOSITION AND METHOD THEREOF.

(51) International classification	:A61K31/201	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)AMIYA KUMAR DEY</b>
(32) Priority Date	:NA	Address of Applicant :17 TENTULTALA LANE,
(33) Name of priority country	:NA	MANKUNDU, HOOGLY, PIN-712139 WEST BENGAL, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)AMIYA KUMAR DEY</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 pharmaceutical composition for the treatment of cancer. More particularly, the present invention relates to the pharmaceutical composition having therapeutic value for treatment of cancer (malignant tumor) which is prepared from the solution of causticum, Acidum Nitricum, Antimon Crudum, Dulcamara, Ruta, Silicea, Staphisgria, Thuja, cassia Sop., Cassia Sop 0, Cedron, Apis, jaborandi, Acid Acetic, Chelidonuim. Moreover this invention also relates to the process of preparing the above pharmaceutical composition.

No. of Pages : 25 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.953/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :14/08/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : POWER GENERATION DEVICE

(51) International classification	:F03G5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)KAUSHIK TARAFDAR</b>
(32) Priority Date	:NA	Address of Applicant :S/o, LT. BIJAN KR.TARAFDAR
(33) Name of priority country	:NA	VILL:-DEWAN BOSS CHARAKER KUTHI P.O:-TAPURHAT.
(86) International Application No	:NA	P.S:- KOTWALI DIST:-COOCH BEHAR PIN:-736181, WEST
Filing Date	:NA	BENGAL, INDIA
(87) International Publication No	: NA	<b>2)DHURJATI DASGUPTA</b>
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)KAUSHIK TARAFDAR</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a power generation device and in particular, this invention relates to a power generation device using nonconventional source like gravity. More particularly, this present invention relates to a power generation device in which the flyer balls comes under the action of the gravity and positive pressure applied along with centrifugal action. Furthermore, this invention also relates to a power generation device which has the beneficial effects of having saving manpower cost, reducing labor intensity, and having safety and reliability.

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

## **Publication After 18 Months:**

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1865/DEL/2005 A

(19) INDIA

(22) Date of filing of Application :18/07/2005

(43) Publication Date : 06/09/2013

(54) Title of the invention : NEW POLYMORPHOUS FORMS OF RIFAXIMIN, PROCESSES FOR THEIR PRODUCTION AND USE THEREOF IN THE MEDICINAL PREPARATIONS

(51) International classification	:C07D498/22	(71)Name of Applicant :
(31) Priority Document No	:0554695.2	1)ALFA WASSERMANN S.P.A.
(32) Priority Date	:03/03/2005	Address of Applicant :CONTRADA S. EMIDIO, ALANNO,
(33) Name of priority country	:EUROPEAN UNION	ITALY.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)VISCOMI GIUSEPPE CLAUDIO
(87) International Publication No	:NA	2)CAMPANA MANUELA
(61) Patent of Addition to Application Number	:NA	3)CONFORTINI DONATELLA
Filing Date	:NA	4)BARBANTI MARIA MIRIAM
(62) Divisional to Application Number	:NA	5)BRAGA DARIO
Filing Date	:NA	

(57) Abstract :

Crystalline polymorphous forms of the rifaximin (INN) antibiotic named rifaximin 8 and rifaximin 3 useful in the production of medicinal preparations containing rifaximin for oral and topical use and obtained by means of a crystallization process carried out by hot-dissolving the raw rifaximin in ethyl alcohol and by causing the crystalization of the product by addition of water at a determinate temperature and for a determinate period of time, followed by a drying carried out under controlled conditions until reaching a settled water content in the end product, are the object of the invention.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2554/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :14/04/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : NOZZLE FOR LIQUID COOLED PLASMA TORCH, NOZZLE CAP FOR A LIQUID COOLED PLASMA TORCH AND PLASMA TORCH HEAD WITH SAME□

(51) International classification	:b23k	(71)Name of Applicant :
(31) Priority Document No	:102008050770.9	<b>1)KJELLBERG FINSTERWALDE PLASMA UND</b>
(32) Priority Date	:09/10/2008	<b>MASCHINEN GmbH</b>
(33) Name of priority country	:Germany	Address of Applicant :Leipziger Strae 82 03238 Finsterwalde
(86) International Application No	:PCT/DE2009/001169	Germany
Filing Date	:14/08/2009	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)Volker KRINK</b>
(61) Patent of Addition to Application	:NA	<b>2)Frank LAURISCH</b>
Number	:NA	<b>3)Timo GRUNDKE</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Nozzle for a liquid cooled plasma torch, comprising a nozzle bore for the exit of a plasma gas beam at a nozzle tip, a first section, of which the outer surface is essentially cylindrical, and a second section connecting thereto towards the nozzle tip, of which second section the outer surface tapers essentially conically towards the nozzle tip, wherein a) at least one liquid supply groove is provided and extends over a part of the first section and over the second section in the outer surface of the nozzle towards the nozzle tip and precisely one liquid return groove separate from the liquid supply groove(s) is provided and extends over the second section, or b) precisely one liquid supply groove is provided and extends over a part of the first section and over the second section in the outer surface of the nozzle towards the nozzle tip and at least one liquid return groove separate from the liquid supply groove is provided and extends over the second section.

No. of Pages : 66 No. of Claims : 27

(54) Title of the invention : PIXEL CIRCUIT, SOLID - STATE IMAGE PICKUP DEVICE, AND CAMERA SYSTEM

(51) International classification	:H04N 5/335
(31) Priority Document No	:2008-312413
(32) Priority Date	:08/12/2008
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2009/069848
Filing Date	:25/11/2009
(87) International Publication No	:WO 2010/067705
(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  
(72)Name of Inventor :  
1)TOSHIYUKI NISHIHARA

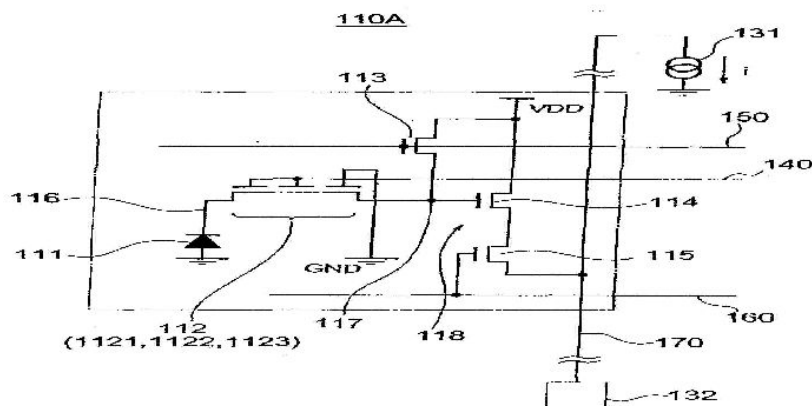
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(57) Abstract :

A pixel circuit has first, second, and third field effect transistors integrated and connected in series from a photoelectric conversion element to a side of an amplifier circuit. The first and second field effect transistors have gate electrodes to be simultaneously collectively driven. A threshold voltage of the first field effect transistor is set to be higher than that of the second field effect transistor. As the gate electrodes are driven step by step, electrons generated by the photoelectric conversion element and transferred via the first field effect transistor are accumulated in a channel region of the second field effect transistor. The electrons accumulated in the channel region are transferred to an input of the amplifier circuit via the third field effect transistor. Representative Drawing Fig.

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FIG. 4



No. of Pages : 110 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.688/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :28/01/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : POWDER MIXTURE FOR THERMAL RECORDING MATERIAL, COATING LIQUID OF THERMAL RECORDING MATERIAL, THERMAL RECORDING MATERIAL, AND METHOD FOR PRODUCING THE POWDER MIXTURE FOR THERMAL RECORDING MATERIAL□

(51) International classification	:C07C
(31) Priority Document No	:2008-176594
(32) Priority Date	:07/07/2008
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2009/062329
Filing Date	:06/07/2009
(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)KURARAY CO. LTD.**  
Address of Applicant :1621 Sakazu Kurashiki-shi Okayama  
710-0801 JAPAN

(72)**Name of Inventor :**  
**1)Shinsuke NII**  
**2)Hideki MAKI**

(57) Abstract :

Efforts to obtain a highly sensitive thermal recording material have been made by decreasing the size of dye particles. However, the decrease in the size has caused some problems such as a decrease in storage stability of a coating liquid, and development of coloration due to the reactions with a color developer. The present invention aimed at solving these problems is based on a new idea, which has been conventionally unconceivable, of employing the form of a powder mixture that includes dye particles, color developer particles, and a specific amount of a dispersant. That is, the powder mixture for thermal recording material of the present invention includes a dye powder obtained by drying a dye dispersion that contains dye particles and a dispersant with a content of the dispersant of 5 to 150 parts by weight with respect to 100 parts by weight of ....

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.404/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :18/01/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : PACKAGED FORMULATION COMPRISING A COMPOUND LIABLE TO EXOTHERMIC DECOMPOSITION□

(51) International classification	:c07c
(31) Priority Document No	:08159819.5
(32) Priority Date	:07/07/2008
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2009/058380
Filing Date	:03/07/2009
(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)AKZO NOBEL N.V.**  
Address of Applicant :Velperweg 76 NL-6824 BM Arnhem  
The Netherlands  
(72)**Name of Inventor :**  
**1)WAANDERS Petrus Paulus**  
**2)LOK Johannes Harmannus Gerardus**

(57) Abstract :

Packaged formulation comprising a compound liable to exothermic decomposition and optionally one or more organic diluents, said formulation being packaged in a container with a volume of at least 250 litre provided with a vent to release gases and made from a thermoplastic material having a Vicat B softening temperature not higher than (a) the run-away temperature of the compound liable to exothermic decomposition if the formulation does not contain any diluent, or (b) the boiling temperature of at least 50 wt% of the total weight of diluent if the formulation does contain organic diluent.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.450/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :19/01/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : HYDRATES OF ERYTHROMYCIN SALTS, THE PREPARATION AND THE USE THEREOF□

(51) International classification :C07C  
(31) Priority Document No :200810048383.4  
(32) Priority Date :10/07/2008  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2009/000787  
Filing Date :10/07/2009  
(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)LIU LI

Address of Applicant :No.3-2-2-302 SONGTAOJIE  
HECHENG QU GAOMING QU FOSHAN GUANGDONG  
528500 CHINA

(72)Name of Inventor :

1)LIU LI

(57) Abstract :

The present invention relates to a macrolide derivative as well as preparation and use thereof. The macrolide derivative of the present invention, i.e., a hydrate of erythromycin salts, has a molecular formula of  $C_{37}H_{67}NO_{13}A_nH_2O$ ,  $n=1.0-11.0$ , in which A is an organic acid or an organic acids, selected from lactobionic acid, thiocyanic acid, maleic acid, fumaric acid, thiocyanic acid, acetic acid, methanesulfonic acid, benzenesulfonic acid, nicotinic acid, lactic acid, citric acid, tartaric acid, aspartic acid, glutamic acid and phosphoric acid, the hydrate has good water solubility and better storage stability, which is suitable for the manufacture of a medicament for the treatment and prophylaxis of infectious diseases in human or animal caused by Gram-positive or negative bacteria.

No. of Pages : 40 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.526/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :21/01/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : UPGRADEABLE LATTICE TOWER AND COMPONENTS THEREOF□

(51) International classification	:E04H
(31) Priority Document No	:2008/05491
(32) Priority Date	:24/06/2008
(33) Name of priority country	:South Africa
(86) International Application No	:PCT/IB2009/006035
Filing Date	:23/06/2009
(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 :

**1)Johan Hedinger**

Address of Applicant :14 Antonily Close Vredeklouf Heights  
7560 Brackenfell South Africa

**2)Johannes Cornelius Nortj**

(72)Name of Inventor :

**1)Johan Hedinger**

**2)Johannes Cornelius Nortj**

(57) Abstract :

A lattice tower (1 ) is provided comprising generally upright leg elements that are arranged in plan view at the corners of a polygon with horizontal struts and diagonal braces interconnecting the leg elements. The lattice tower has a first arrangement of basic leg elements (2), basic horizontal struts (3) and basic diagonal braces (4) providing a first and basic predetermined load carrying capacity of the tower. Selected basic leg elements and/or basic horizontal struts and/or basic diagonal braces are provided with attachment formations whereby additional leg elements (10) and/or additional horizontal struts (7) and/or additional diagonal braces (8) may be secured to the basic leg elements and/or basic horizontal struts and/or basic diagonal braces to provide an increased predetermined load carrying capacity of the lattice tower.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.732/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :27/03/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : AGARWAL MANDIBULAR STABILISATION AND TRANSPORT DISTRACTION SYSTEM (AMSTDS)

(51) International classification	:A61b	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)Rajiv Agarwal</b>
(32) Priority Date	:NA	Address of Applicant :A-15 Nirala Nagar Lucknow Uttar
(33) Name of priority country	:NA	Pradesh India
(86) International Application No	:NA	<b>2)Sanjeev Agarwal</b>
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)Rajiv Agarwal</b>
(61) Patent of Addition to Application Number	:NA	<b>2)Sanjeev Agarwal</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure provides for a system of stabilization and distraction osteogenesis of the mandible. The system is comprised of an elliptical threaded rod conforming to the shape of the human mandible. This rod has an assembly of various types of pin holding clamps meant for functions of stabilization of the mandible, multivector distraction and transport distraction osteogenesis. All these assemblies engage on the threads of the central rod and move in a controlled directional manner. Each assembly is composed of two rectangular blocks which are connected to each other by a controlled ball and socket type of attachment. The clamp mount is the part which engages on to the threaded curved rod and the screw holding clamp is the part which engages the bone. The ball and socket joint type of connecting arrangement allows complete mobility of the blocks relative to each other in all angles.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.376/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :17/01/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : WIND GENERATOR WITH FOLDING MAST□

(51) International classification	:F03D	(71)Name of Applicant :
(31) Priority Document No	:PCT/EP2008/057907	<b>1)ALIZEO</b>
(32) Priority Date	:20/06/2008	Address of Applicant :4 rue Saint Florentin F-75001 Paris
(33) Name of priority country	:PCT	France
(86) International Application No	:PCT/EP2008/062583	(72)Name of Inventor :
Filing Date	:19/09/2008	<b>1)LAVAUUR Richard</b>
(87) International Publication No	: NA	<b>2)DE VIVO Michel</b>
(61) Patent of Addition to Application	:NA	<b>3)GHIRETTI Alain</b>
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Wind generator comprising a folding mast (1) pivotally mounted about an articulation (5) positioned at a location some way between the lower (1a) and upper (1b) ends of the mast. The mast is actuated by a raw (V1) which connected to the lower end of the mast.

No. of Pages : 26 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3590/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :20/05/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : PROCESS AND APPARATUS FOR TREATING A GAS CONTAINING A CONTAMINANT

(51) International classification :b01j  
(31) Priority Document No :11/932,090  
(32) Priority Date :31/10/2007  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2008/081084  
Filing Date :24/10/2008  
(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)MOLYCORP MINERALS LLC**  
Address of Applicant :HC1 Box 224 Mountain Pass CA  
92366 United States of America  
(72)Name of Inventor :  
**1)John L. BURBA III**  
**2)Tim L. ORIARD**

(57) Abstract :

Apparatus, process and article for treating a gas containing one or more of a chemical and/or biological contaminant. The process includes contacting the gas with an aggregate composition comprising an insoluble rare earth-containing compound to form a gas depleted of chemical and active biological contaminants. The insoluble rare earth-containing compound can include one or more of cerium, lanthanum, or praseodymium. The composition comprises no more than two elements selected from the group consisting of yttrium, scandium, and europium when the aggregate has been sintered. A suitable insoluble cerium-containing compound can be derived from cerium carbonate. In one embodiment

No. of Pages : 31 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3591/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :20/05/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : WATER TREATMENT METHOD, WATER TREATMENT APPARATUS, METHOD FOR RECOVERING PURIFIED WATER, AND PURIFIED WATER RECOVERING APPARATUS

(51) International classification	:b01d	(71)Name of Applicant :
(31) Priority Document No	:2007-280154	<b>1)KOBELCO ECO-SOLUTIONS CO. LTD.</b>
(32) Priority Date	:29/10/2007	Address of Applicant :4-78 Wakinohama-cho 1-chome Chuo-
(33) Name of priority country	:Japan	ku Kobe-shi Hyogo 651-0072 JAPAN
(86) International Application No	:PCT/JP2008/069206	(72)Name of Inventor :
Filing Date	:23/10/2008	<b>1)Katsuyoshi TANIDA</b>
(87) International Publication No	: NA	<b>2)Susumu HASEGAWA</b>
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An object is to provide a water treatment method that is capable of producing treated water having a certain level of quality. A water treatment method for separating raw water into treated water and concentrate by flowing the raw water into a membrane separation module that uses a reverse osmosis membrane is provided. The method is characterized by that it includes measuring the impurity of any one of the raw water, the treated water and the concentrate, and regulating the quality of the treated water on the basis of the measured value of the impurity.

No. of Pages : 66 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.665/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :20/03/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : FLAME RETARDANT EXPANDABLE POLYSTYRENE BEADS

(51) International classification	:c08k	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)SEKISUI PLASTICS CO. LTD.</b>
(32) Priority Date	:NA	Address of Applicant :4-4 Nishitenma 2-chome Kita-ku
(33) Name of priority country	:NA	Osaka-shi Osaka-fu JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)KOJI SAKAMOTO</b>
(87) International Publication No	: NA	<b>2)MASAYUKI TAKANO</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The object of the present invention is to provide flame retardant expandable polystyrene beads which, even when powdery tetrabromocyclooctane (TBCO) is used as a flame retardant, can prevent TBCO from non-uniform absorption into resin particles and also inhibit TBCO from becoming like a lump, thereby having good handling property in the production process.

No. of Pages : 35 No. of Claims : 6



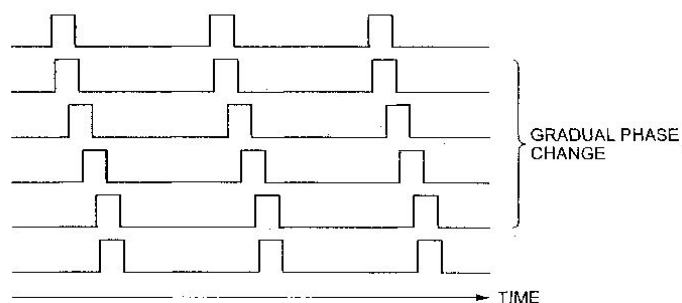
## (54) Title of the invention : RECEIVING DEVICE AND CAMERA SYSTEM

(51) International classification :H04N 7/173  
 (31) Priority Document No :2010-090033  
 (32) Priority Date :09/04/2010  
 (33) Name of priority country :Japan  
 (86) International Application No :PCT/JP2011/058006  
     Filing Date :30/03/2011  
 (87) International Publication No :WO 2010/125737  
 (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  
 (72)Name of Inventor :  
**1)SATOSHI TSUBAKI**  
**2)TAMOTSU MUNAKATA**  
**3)HIDEAKI MURAYAMA**  
**4)GEORGE FUJITA**  
**5)KEI KAKITANI**

## (57) Abstract :

A transmitting device in accordance with the present invention includes an encoding unit that converts an input video signal into encoded data and sends out the encoded data to a transmission line, and a synchronization signal generation unit that generates a synchronization signal SYNC for adjusting the phase of an input video signal on the basis of phase information transmitted through the transmission line, wherein the phase information PHS includes information indicating that a timing of a synchronization signal generated by the synchronization signal generation unit is to be advanced by the time necessary for transmission, and the synchronization signal generation unit generates the synchronization signal SYNC so that an input video signal is advanced by the time necessary for transmission. Representative Drawing Fig. 12

**FIG.12**

No. of Pages : 60 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.377/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :17/01/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : COMPOSITIONS WITH AND PROCESS FOR METHYLMORPHOLIN-SUBSTITUTED PYRIDO [2, 3-D] PYRIMIDINES□

(51) International classification	:c07c	(71)Name of Applicant :
(31) Priority Document No	:61/074,188	<b>1)ASTRAZENECA AB</b>
(32) Priority Date	:20/06/2008	Address of Applicant :S-151 85 Sdertlje Sweden
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/GB2009/050695	<b>1)BLADE Helen</b>
Filing Date	:18/06/2009	<b>2)CHURCHILL Gwydion Huw</b>
(87) International Publication No	: NA	<b>3)CURRIE Angela Charlotte</b>
(61) Patent of Addition to Application Number	:NA	<b>4)DOBSON Benjamin Charles</b>
Filing Date	:NA	<b>5)HYNES Peter Samuel</b>
(62) Divisional to Application Number	:NA	<b>6)KENWORTHY Martin Neal</b>
Filing Date	:NA	<b>7)POWELL Lyn</b>
		<b>8)RAW Steven Anthony</b>

(57) Abstract :

There is provided a process for the preparation of a compound of Formula 1,the use of said process in the preparation of a compound of Formula 5 or a phosphate, sulphate, hydrogensulphate, malate, citrate, tartrate or fumarate salt thereof, and the use of the fumarate salt in a composition for use in therapy.

No. of Pages : 137 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.629/DEL/2006 A

(19) INDIA

(22) Date of filing of Application :09/03/2006

(43) Publication Date : 06/09/2013

(54) Title of the invention : A NOVEL SOLVENT COMPOSITION FOR PROTEIN EXTRACTION.

(51) International classification	:C07C, A23L 1/14	(71)Name of Applicant : <b>1)MUSTARD RESEARCH AND PROMOTION CONSORTIUM</b>
(31) Priority Document No	:NA	Address of Applicant :307 JYOTI SHIKHAR BUILDING
(32) Priority Date	:NA	DISTRICT CENTRE, JANAKPURI, NEW DELHI-110058.
(33) Name of priority country	:NA	India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)TICKOO SANJAY 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 :

A novel composition comprising Calcium chloride, Sodium Stearate and Sodium Hydroxide dissolved in water (pH of 9-11). The composition is used for obtaining isolated protein from seeds and commercially available de-oiled cake oilseeds /crop plant seeds the steps of incubation with novel composition solvent, filtration, purification, neutralization and precipitation. The precipitate is further washed, neutralized and dried to obtain the protein isolates. The specially designed solvent has a pH of 9-11 and comprises of calcium chloride, Sodium Stearate and Sodium Hydroxide dissolved in water. The calcium chloride percentage varies from 0.5-5%, Sodium Stearate 0.05-2% and sodium hydroxide to maintain the pH 9-11.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.271/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :12/01/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : MORPHINAN DERIVATIVES AND PREPARATION METHODS THEREOF□

(51) International classification :A61K  
(31) Priority Document No :200810069852.0  
(32) Priority Date :20/06/2008  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2009/072350  
Filing Date :19/06/2009  
(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 :  
**1)CHONGQING PHARMACEUTICAL RESEARCH  
INSTITUTE CO. LTD.**  
Address of Applicant :No.565. Tushan Rd. Nanan District.  
Chongqing 400061 P.R. CHINA  
(72)Name of Inventor :  
**1)SUN Huafu  
2)LUO Jie  
3)YE Wenrun  
4)DENG Jie  
5)LIN Bo  
6)DAN Chunyan  
7)FAN Bin**

(57) Abstract :

The present invention related to morphinan derivatives and preparation methods thereof, especially to ketal hydroxyl protected compounds of morphinan derivatives and preparation method thereof, and to a method for preparing corresponding alkylated morphinan derivatives by using the ketal hydroxyl protected compounds as intermediates, and more especially to a ketal hydroxyl protected compound of methylnaltrexone as intermediated for preparing methylnaltrexone and a method for preparing methylnaltrexone through said intermediate.

No. of Pages : 23 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3167/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :30/12/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : CATALYST AND METHOD OF MANUFACTURE

(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)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK 12345 UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)YIN MING**

**2)LEWIS LARRY NEIL**

**3)SICLOVAN OLTEA PUICA**

**4)HANCU DAN**

**5)WINKLER BENJAMIN HALE**

**6)NORTON DANIEL GEORGE**

**7)MHADESHWAR ASHISH BALKRISHNA**

(57) Abstract :

A catalyst system comprising a first catalytic composition comprising homogeneous solid mixture containing at least one catalytic metal and at least one metal inorganic support. The pores of the solid mixture have an average diameter in a range of about 1 nanometer to about 15 nanometers. The catalytic metal comprises nanocrystals.

No. of Pages : 78 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.390/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :15/02/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : DI ARYL ETHER LINKED PYRROLO [2,1-C] [1,4] BENZODIAZINE HYBRIDS AND PROCESS FOR THE PREPARATION THEREOF

(51) International classification

:C07D

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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

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

(72)Name of Inventor :

**1)AHMED KAMAL**

**2)ARUTLA VISWANATH**

**3)JAYANTI NAGA SRIRAMA CHANDRA MURTY**

**4)EARLA VIJAYA BHARATHI**

**5)GADUPUDI RAMAKRISHNA**

**6)FARHEEN SULTHANA**

(57) Abstract :

The present invention provides a compound of general formula A, useful as potential anticancer agents against eleven human cancer cell lines. The present invention further provides a process for the preparation of diaryl ether linked pyrrolo[2,1-c][1,4]benzodi azepine conjugates attached through different alkane spacers of general formula A.

No. of Pages : 52 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4023/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :04/06/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : CURVED DISC FOR MODIFYING A POWER OF AN OPTICAL COMPONENT

(51) International classification	:g02b	(71)Name of Applicant :
(31) Priority Document No	:07 59664	<b>1)ESSILOR INTERNATIONAL (COMPAGNIE</b>
(32) Priority Date	:07/12/2007	<b>GENERALE D<sup>TM</sup>OPTIQUE)</b>
(33) Name of priority country	:France	Address of Applicant :147 rue de Paris F-94220 Charenton Le
(86) International Application No	:PCT/FR2008/052205	Pont France
Filing Date	:04/12/2008	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)FERMIGIER Bruno</b>
(61) Patent of Addition to Application	:NA	<b>2)KOSCHER Matthieu</b>
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disc designed to be attached to a concave curved surface of an optical component to modify an optical power of said component, the disc comprising a Fresnel lens made up of a series of Fresnel regions of spherical general shape, in which the changes of height between successive Fresnel regions are located on a concave face of the disc, and in which said Fresnel regions are made out in the special distribution. A disc of this kind maintains the dioptric quality without introducing distortions.

No. of Pages : 21 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.463/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :20/01/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : A METHOD OF PLAYING BACK A STORAGE MEDIUM□

(51) International classification :H04N  
(31) Priority Document No :10-2003-0079244  
(32) Priority Date :10/11/2003  
(33) Name of priority country :Republic of Korea  
(86) International Application No :PCT/KR2004/002893  
Filing Date :09/11/2004  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :1717/DELNP/2006  
Filed on :29/03/2006

(71)**Name of Applicant :**  
**1)SAMSUNG ELECTRONICS CO. LTD.**  
Address of Applicant :416 Maetan-dong Yeongtong-gu  
Suwon-si Gyeonggi-do 442-742 Republic of Korea  
(72)**Name of Inventor :**  
**1)KANG Man-Seok**  
**2)JUNG Kil-Soo**

(57) Abstract :

A storage medium includes text-based subtitle data including style information for use with an apparatus and a method of playing back the storage medium. The storage medium includes moving image data, and subtitle data for providing a subtitle for the moving image data. The subtitle data is recorded based on a text to be separated from the moving image data and includes information used to select or change an output style of the subtitle. Accordingly, the subtitle can be output using style information selected by a user, and a style in which a subtitle is output can be changed.

No. of Pages : 33 No. of Claims : 2



(12) PATENT APPLICATION PUBLICATION

(21) Application No.491/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :20/01/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : POWER CURTAILMENT OF WIND TURBINES□

(51) International classification	:F03D
(31) Priority Document No	:PA 2008 00901
(32) Priority Date	:30/06/2008
(33) Name of priority country	:Denmark
(86) International Application No	:PCT/EP2009/057801
Filing Date	:23/06/2009
(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 :

**1)VESTAS WIND SYSTEMS A/S**

Address of Applicant :Alsvej 21 DK-8940 Randers SV

Denmark

(72)Name of Inventor :

**1)NYBORG Anders**

**2)DALSGAARD Søren**

(57) Abstract :

The present invention relates to a method for curtailing electrical power supplied from a wind turbine or a group of wind turbines to an associated power supply grid, the method comprising the steps of determining an available electrical power level from the wind turbine facility and setting a wind speed independent curtailment level. The curtailment level may be a percentage of an actual available electrical power level or a fixed power level. The method further comprises the step of operating the wind turbine facility in such a way that the generated electrical power supplied from the wind turbine facility equals the difference between an actual available electrical power level and the curtailment level. The present invention further relates to a wind turbine facility and a curtailing controller for carrying out the invention.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.138/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :20/01/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : PUNCTURE SAFE SYSTEM OF TYRE

(51) International classification	:B60C	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)HARISH VARMA</b>
(32) Priority Date	:NA	Address of Applicant :B1A/54A, JANAK PURI, NEW
(33) Name of priority country	:NA	DELHI-58 India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)HARISH VARMA</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 system is designd to safe guard the vehicle(tyre) from puncture.the system has two parts.one is called warning.the other is called safeguard.how it is to be performed:part one:warning-warning is generated of potential puncture,when tyre is pierced by nail.part two:safe guard.it is proposed to have two parts/steps inside the tyre.the part touching the tyre is filled with rubber balls and then a tube keeps the rubber balls in place.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.49/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :08/01/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : PROCESS OF IMPROVING QUALITY AND CHANGING COLOUR OF LIGHT COLOURED TIMBER AND ITS PRODUCTS

(51) International classification	:b62l	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ASHOK KHAITAN
(32) Priority Date	:NA	Address of Applicant :H.NO. 1952, SECTOR-17 HUDA,
(33) Name of priority country	:NA	JAGADHRI-135003, Haryana India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ASHOK KHAITAN
(87) 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 Process of improving quality and changing colour of light coloured timber and its products wherein water is mixed with 1% of sodium carbonate and the chopped bark is poured in the vessel in the ratio of 1:10, i.e. 1 kg chopped bark is poured in a solution of 10 kg water mixed with 100 gm of sodium carbonate; it is then gently boiled for about 20 to 30 minutes after it start boiling at about 100 - 110 degree Celsius then it is cooled upto 40 -50 degree Celsius; the same is then filtered to separate the bark from the solution; a dark coloured solution is thus prepared for colouring.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2751/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :18/11/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : Novel Microbicides

(51) International classification

:A01N

(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)Syngenta Participations AG**

Address of Applicant :Schwarzwaldallee 215 4058 Basel  
Switzerland.

(72)Name of Inventor :

**1)POULIOT Martin**

**2)QUARANTA Laura**

**3)LAMBERTH Clemens**

**4)TRAH Stephan**

**5)KANJILAL Pranjab**

(57) Abstract :

Novel Microbicides The present invention relates to novel microbiocidally active, in particular fungicidally active, 2-(pyridin-2-yl)-quinazolines. it further relates to compositions which comprise these 5 compounds and to their use in agriculture or horticulture for controlling or preventing infestation of plants by phytopathogenic microorganisms, preferably fungi.

No. of Pages : 130 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2752/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :18/11/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : ARM AND WAIST EXERCISING APPARATUS

(51) International classification	:A63b	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)WEI-TEH HO</b>
(32) Priority Date	:NA	Address of Applicant :5 Fl. 755 Min Tzu E. Road Taipei
(33) Name of priority country	:NA	Taiwan Republic of CHINA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)WEI-TEH HO</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 arm and waist exercising apparatus includes a positioning member for positioning on the floor, a swinging frame bar having a longitudinal sliding slot located on the top, rollers pivotally mounted in the bottom side for supporting on the floor, a longitudinal sliding track located on the inside, a handlebar supported on and movable along the longitudinal sliding slot, a slide fixedly connected to the handlebar and movable along the longitudinal sliding track, an elastic band connected between the slide and one end of the longitudinal sliding track and a ring-shaped bracket pivotally connected to the rear side thereof and fixedly mounted on the positioning member, an AV (audio and video) indicator for giving audio and video indication signals during exercise, and a knee rest mounted on the ring-shaped bracket.

No. of Pages : 12 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.655/DELNP/2010 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : ENZYMATIC PROCESS FOR OBTAINING 17 ALPHA-MONOESTERS OF CORTEXOLONE AND/OR ITS 9,11-DEHYDRODERIVATIVES

(51) International classification	:c07c
(31) Priority Document No	:MI2007A001616
(32) Priority Date	:03/08/2007
(33) Name of priority country	:Italy
(86) International Application No	:PCT/EP2008/059702
Filing Date	:24/07/2008
(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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(MI) Italy  
(72) **Name of Inventor :**  
**1)AJANI Mauro**  
**2)MORO Luigi**

(57) Abstract :

The present invention refers to a new enzymatic process for obtaining 17 $\hat{I}$  $\pm$ - monoesters of cortexolone and/or its 9,11-dehydroderivatives starting from the corresponding 17 $\hat{I}$  $\pm$ ,21-diesters which comprises an enzymatic alcoholysis reaction. Furthermore, the present invention refers to new crystalline forms of cortexolone 17 $\hat{I}$  $\pm$ -propionate and 9,11-dehydro-cortexolone 17 $\hat{I}$  $\pm$ -butanoate.

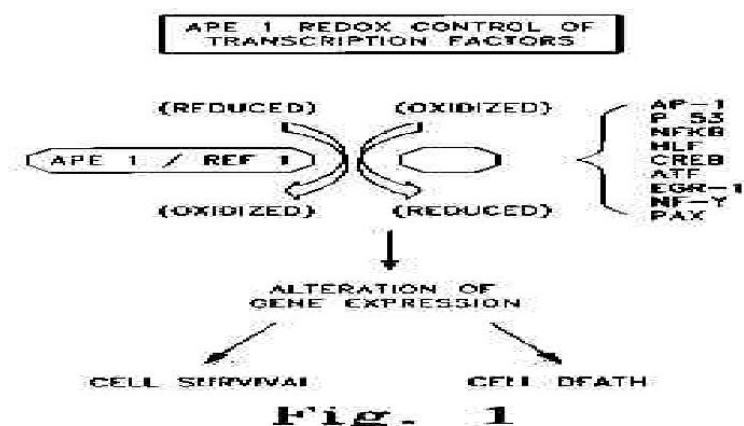
No. of Pages : 46 No. of Claims : 28

(54) Title of the invention : BENZOQUINONE DERIVATIVE E3330 IN COMBINATION WITH CHEMOTHERAPEUTIC AGENTS FOR THE TREATMENT OF CANCER AND ANGIOGENESIS

(51) International classification	:c12n	(71)Name of Applicant :
(31) Priority Document No	:60/975,396	<b>1)INDIANA UNIVERSITY RESEARCH AND TECHNOLOGY CORPORATION</b>
(32) Priority Date	:26/09/2007	Address of Applicant :351 West 10th Street Indianapolis IN 46202 United States of America
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/US2008/077210	<b>1)KELLEY Mark R.</b>
Filing Date	:22/09/2008	
(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 :

Disclosed are novel methods for the therapeutic treatment of cancer and angiogenesis The enzyme Apel/Ref-1, via its redox function, enhances the DNA binding activity of transcription factors that are associated with the progression of cancer The present invention describes the use of agents to selectively inhibit the redox function of Apel/Ref-1 and thereby reduce tumor cell growth, survival, migration and metastasis In addition, Apel/Ref-1 inhibitory activity is shown to augment the therapeutic effects of other therapeutics and protect normal cells against toxicity Further, Apel/Ref-1 inhibition is shown to decrease angiogenesis, for use in the treatment of cancer as well other pathologic conditions of which altered angiogenesis is a component



No. of Pages : 57 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.141/DELNP/2011 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : METHOD FOR MANUFACTURING NON-BAKED LOESS BRICKS AND BRICK MANUFACTURED BY THE SAME

(51) International classification	:E04C
(31) Priority Document No	:10-2008-0057574
(32) Priority Date	:19/06/2008
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2009/003263
Filing Date	:18/06/2009
(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 :120 Gangneung Daehangno  
Gangneung City Gangwon Province Korea  
(72)**Name of Inventor :**  
**1)Kim Han-Soo**

(57) Abstract :

The present invention relates to non-baked loess bricks and a manufacturing method thereof, and more particularly, to non-baked loess bricks and a manufacturing method thereof including the steps of preparing loess with a moisture content lower than 10 wt %, adding sand, cement, ash, a polymer additive, an inorganic additive, and water to the loess and mixing the resultant substance to obtain a loess mixture, and molding the loess mixture into a form and drying the form. The loess bricks manufactured without a baking process according to the present invention are provided with textures, colors, and resistances the same as those of conventional baked loess bricks. Moreover, the loess bricks of the present invention are advantageous in that energy saving is achieved because a baking process is not used, and temperature and humidity control functions not found in conventional baked bricks is available.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.350/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :17/01/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : SUBSTITUTED PYRIDAZINE CARBOXAMIDE COMPOUNDS AS KINASE INHIBITOR COMPOUNDS□

(51) International classification	:C07C
(31) Priority Document No	:61/132,505
(32) Priority Date	:19/06/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/003654
Filing Date	:18/06/2009
(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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(72)**Name of Inventor :**  
**1)LIANG Congxin**  
**2)LI Zhigang**

(57) Abstract :

Pyridazine derivatives have unexpected drug properties as inhibitors of protein kinases and are useful in treating disorders related to abnormal protein kinase activities such as cancer.

No. of Pages : 62 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.451/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :19/01/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : PROCESS FOR PREPARING COMPOSITIONS BASED ON A STARCHY COMPONENT AND ON A SYNTHETIC POLYMER □

(51) International classification	:C08B
(31) Priority Document No	:0855097
(32) Priority Date	:24/07/2008
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2009/051435
Filing Date	:17/07/2009
(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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**1)FERON Thierry**  
**2)SAINT LOUP Ren**  
**3)GIMENEZ Jr'me**  
**4)LAGNEAUX Didier**  
**5)SAUTEL Henri**

(57) Abstract :

One subject of the present invention is a process for preparing a composition based on a synthetic polymer comprising: the introduction, into a reactor containing a softened or molten synthetic polymer (component 1), of a non-plasticized starchy component (component 2) and of a plasticizer of the latter (component 3); and the kneading of the mixture obtained under conditions sufficient to obtain the plasticization of the starchy component (component 2) by the plasticizer (component 3) and a homogeneous mixture of the synthetic polymer and of the plasticized starchy component. The reactor may especially be a co-rotating or counter-rotating single-screw or twin-screw extruder, for example a co-rotating twin-screw extruder.....

No. of Pages : 64 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.656/DELNP/2010 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : INHALER

(51) International classification :A61m  
(31) Priority Document No :07113624.6  
(32) Priority Date :01/08/2007  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2008/060078  
Filing Date :31/07/2008  
(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

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(72)Name of Inventor :  
**1)WACHTEL Herbert**  
**2)SARKAR Matthew Neil**  
**3)MILIVOJEVIC Ivan**  
**4)EASON Stephen William**

(57) Abstract :

In an inhaler for administering a powdery medicament in the form of an inhalable substance, substance formulation or mixture, a blister cavity to be opened by piercing elements (11) is mounted in the lower part (1) of a housing (2), which is composed of an upper part (6), designed as mouthpiece and with an inhalation channel (16), and of the lower part (1), which comprises an air inlet opening (9). The inhalation channel (16) of the upper part (6) of the housing has a unit (15) for dispersing the powdery medicament,

No. of Pages : 32 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3592/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :20/05/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : NEW TETRACYCLIC COMPOUNDS

(51) International classification	:c07c
(31) Priority Document No	:60/982,678
(32) Priority Date	:25/10/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2008/081390
Filing Date	:27/10/2008
(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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**1)HUNG David T.**

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**3)JAIN Rajendra Parasmal**

**4)DUGAR Sundeep**

**5)CHAKRAVARTY Sarvajit**

**6)BACHURIN Sergey Olegovich**

**7)USTINOV Anatoly Konstantinovich**

**8)BEZNOSKO Bogdan Konstantinovich (Deceased)**

**9)SHEVTSOVA Elena Feofanovna**

**10)GRIGORIEV Vladimir Viktorovich**

(57) Abstract :

This disclosure relates to new tetracyclic compounds that may be used to modulate a histamine receptor in an individual. The compounds in one embodiment are tetracyclic [4,3-b]indoles. Pharmaceutical compositions comprising the compounds are also provided, as are methods of using the compounds in a variety of therapeutic applications, including the treatment of a cognitive disorder, psychotic disorder, neurotransmitter-mediated disorder and/or a neuronal disorder.

No. of Pages : 376 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.347/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :17/01/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : TREATMENT METHOD AND TREATMENT APPARATUS OF WASTEWATER□

(51) International classification :C07C  
(31) Priority Document No :2008-186235  
(32) Priority Date :17/07/2008  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2009/062913  
Filing Date :16/07/2009  
(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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(72)Name of Inventor :  
**1)Yoshiyuki SUMI**  
**2)Katsuhiko FUKUI**  
**3)Satoshi MIYAMOTO**  
**4)Kouki MINEMOTO**

(57) Abstract :

To provide a method for treating a wastewater, which can efficiently collect a heavy metal compound from a wastewater containing the heavy metal compound derived from an aromatic carboxylic acid production process. A method for treating a wastewater comprising bringing a wastewater derived from an aromatic carboxylic acid production process into contact with a specific chelate resin to collect a heavy metal compound contained in the wastewater on the specific chelate resin.

No. of Pages : 79 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.731/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :27/03/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : DIESEL FUEL BASED ON ETHANOL□

(51) International classification

:C07C

(31) Priority Document No

:10 2009

(32) Priority Date

015 347.0

(33) Name of priority country

:27/03/2009

(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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Address of Applicant :Dachauer Strae 667 80995 Munchen

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(72)Name of Inventor :

**1)EBERHARD JACOB**

(57) Abstract :

A diesel fuel based on ethanol is described, which comprises about 60 to about 90% (v/v) ethanol, up to about 20% (v/v) of a linear dialkyl ether with a chain length of about 10 to about 40 as well as mixtures thereof, and 0 to about 30% (v/v) combustion accelerator.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.169/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :07/01/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : ON-DEMAND POWER BRAKE SYSTEM AND METHOD□

(51) International classification	:B60T
(31) Priority Document No	:12/215,438
(32) Priority Date	:26/06/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/048315
Filing Date	:23/06/2009
(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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(72)**Name of Inventor :**  
**1)GRAY Charles L. Jr.**  
**2)STUHLBREHER Mark**

(57) Abstract :

A hydraulic brake system includes a piston that separates a first pressure chamber from a second pressure chamber of a cylinder bore. A valve within a piston bore is movable between three positions. In the first position, the first and second pressure chambers are in fluid communication with a low-pressure fluid supply; in the second position, the second pressure chamber is isolated from the first pressure chamber and the low-pressure fluid supply; in the third position, a high-pressure fluid supply is in fluid communication with the second pressure chamber, allowing high-pressure fluid to flow into the second pressure chamber. High pressure in the second pressure chamber moves the boost piston, applying boosted braking pressure to a vehicle brake. Pressure in the second chamber against a surface of the valve biases the valve toward the first position.....

No. of Pages : 41 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4029/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :05/06/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : ANTIBODIES, ANALOGS AND USES THEREOF

(51) International classification :c12n  
(31) Priority Document No :61/192,732  
(32) Priority Date :22/09/2008  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2009/057681  
Filing Date :21/09/2009  
(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

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92130 UNITED STATES OF AMERICA  
**2)Rishi S. Bhatt**  
(72)Name of Inventor :  
**1)Ram S. Bhatt**  
**2)Rishi S. Bhatt**

(57) Abstract :

Camelid and shark heavy chain only antibodies and their analogs are disclosed. Methods of making such antibodies and their analogs are also provided. Also provided are kits, and methods of using such antibodies and their analogs in diagnostics, prognostics, therapy, and simultaneous diagnosis and therapy.

No. of Pages : 118 No. of Claims : 61



(12) PATENT APPLICATION PUBLICATION

(21) Application No.134/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :19/01/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : OXYGEN INJECTION IN SPONGE IRON PRODUCTION

(51) International classification	:C21B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)PRAXAIR INDIA PRIVATE LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :PRAXAIR HOUSE, NO. 8, ULSOOR
(33) Name of priority country	:NA	ROAD, BENGALURA-560 042, Karnataka India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)ARUP NANDI</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 :

Iron ore, carbonaceous reducing agent and dolomite are fed into the feed end of an elongated rotary furnace, finely divided coal into the discharge end of the furnace and gaseous oxidant having an oxygen content higher than that of air are into the reducing zone of the furnace via the end burner at its discharge end, and/or into the shell air fans mounted on the furnace, and combusted. The gaseous oxidant may also be fed via a lance place in the reducing zone of the furnace. The iron ore is heated by complete and incomplete combustion of said carbonaceous reducing agent and of said finely divided coal, and the heated iron ore passes to said reducing zone, wherein it is reduced to metallic iron by reaction with said carbonaceous reducing agent, with products of said incomplete combustion, and with said finely divided coal.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.140/DELNP/2011 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : AIR-BLOWING DEVICE FOR AUTOMOBILE BACK WINDSCREEN

(51) International classification :B60s

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/CN2008/071867

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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Xiamen Fujian Province China

(72)Name of Inventor :

**1)WANG Jianzhong**

(57) Abstract :

An air-blowing device for automobile back windscreen (10) comprises a control circuit (1), an air compressor (2), an air duct (3) and an air nozzle (4). The control circuit (1) controls the air compressor (2) to work or not to work, and an air vent of the air compressor (2) is connected with the air nozzle (4) through the air duct (3), said air nozzle (4) being installed on the automobile and facing towards the back windscreen (10). The device can be used in various automobiles to clear mist and water-droplets from the back windscreen (10) and make driver sight lines clearer.

No. of Pages : 9 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.788/DELNP/2010 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : METHOD FOR PROCESSING A DIGITAL OBJECT AND RELATED SYSTEM

(51) International classification :H04M  
(31) Priority Document No :0705754  
(32) Priority Date :07/08/2007  
(33) Name of priority country :France  
(86) International Application No :PCT/FR2008/051471  
Filing Date :07/08/2008  
(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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**4)MOREL Jean-Michel**  
**5)BUADES Antoni**  
**6)COLL Bartomeu**

(57) Abstract :

The invention relates to the processing of a digital object that comprises: canceling the noise of an original object (I) of a first type containing noise in order to obtain a noise-free object (J) of the first type; obtaining an object with a quasi-white noise of the first type from a difference (B) between the original object and the noise-free object; applying to the noise-free object (J) a first processing (t1) that comprises a neighbouring processing for obtaining a transformed object (K) of a second type, the first processing being such that it would structure the noise contained in the original object if it was applied to said original object; applying to the noise object a second white processing (t2) for obtaining a quasi-white transformed noise object (C) of the second type; and inserting into the transformed object (K) the transformed noise object.

No. of Pages : 28 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.648/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :28/01/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : MODULATION OF NKG2D

(51) International classification	:A61K
(31) Priority Document No	:60/559,919
(32) Priority Date	:05/04/2004
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2005/011487
Filing Date	:05/04/2005
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:5867/DelNP/2006
Filed on	:09/10/2006

(71)Name of Applicant :

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(72)Name of Inventor :

**1)LANIER Lewis L**

**2)OGASAWARA Koetsu**

**3)BLUESTONE Jeffrey A.**

(57) Abstract :

The present invention relates to methods and compositions for treating and/or preventing autoimmune and /or inflammatory disease. In particular, the present invention provides therapeutics for impairing the expansion and function of autoreactive T cells and/or NK cells, by modulating NKG2D.

No. of Pages : 76 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.135/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :19/01/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : SYSTEM AND METHOD FOR IDENTITY CREATION, RETENTION AND VERIFICATION

(51) International classification	:G06Q	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)SALVAN CELLVLAR SOFTWARE SERVICES PVT.</b>
(32) Priority Date	:NA	<b>LTD.</b>
(33) Name of priority country	:NA	Address of Applicant :I-37, SECTOR 41, NOIDA 201301
(86) International Application No	:NA	Uttar Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	<b>1)SHIVANI BATRA</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Techniques like UPC and SKU provide unique identity to the entity in the form of numeric or alphanumeric code. However, these techniques were not designed to provide a unique identity to each instance of an entity and hence they carry a drawback of being copied being static. The invention provide a system and method for identity creation; retention and verification by which each instance of an entity is assigned with a unique random identification code which is updated regularly at a non-linear time interval to prevent identity copy. The system maintains the list of current identity codes that are assigned to each instance of an entity at any given time that can be used to verify the identity of any given entity.

No. of Pages : 23 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3107/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :03/05/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : SERVICE MANAGEMENT SYSTEM FOR PROVIDING SERVICE RELATED MESSAGE PRIORITIZATION IN A MOBILE CLIENT

(51) International classification	:h04m
(31) Priority Document No	:60/985,354
(32) Priority Date	:05/11/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2008/082450
Filing Date	:05/11/2008
(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)COLLINS Tim**

(57) Abstract :

A method for managing service messages on a mobile device, the method including receiving at least one service message, assigning a priority to the at least one service message, arranging a plurality of messages and the at least one service message in an electronic mail inbox based on a priority of the plurality of message and the priority of the at least one service message, the at least one service message having a higher priority than the plurality of messages, and displaying the plurality of messages and the at least one service message in the electronic mail inbox in order of their priority.

No. of Pages : 87 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.893/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :13/04/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : SECURE AND SHAREABLE PAYMENT SYSTEM USING TRUSTED PERSONAL DEVICE

(51) International classification	:H01J	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)DAS, PRANAMESH</b>
(32) Priority Date	:NA	Address of Applicant :509, VSNL APARTMENT PLOT-
(33) Name of priority country	:NA	C58/17, SECTOR-62 NOIDA-201303, UP INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)DAS, PRANAMESH</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 invention relates to a system and method of making a financial transaction using a Trusted Personal Device. More particularly, the invention relates to a highly secure and less cumbersome payment platform for making a financial transaction using a trusted personal device, that too without any requirement of any formal means of communication between the customer and the merchant. The system and method is devised to obviate the problems of frauds relating to electronic cards like credit card, debit card, recharge cards, loyalty cards, other chip based cards, travellers cheques etc.

No. of Pages : 16 No. of Claims : 0

(12) PATENT APPLICATION PUBLICATION

(21) Application No.892/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :13/04/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : NANOCRYSTALLINE TITANIUM CARBIDE AND PROCESS OF PREPARATION

(51) International classification	:C22D	(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
(33) Name of priority country	:NA	TECHNOLOGY KANPUR-208 016, Uttar Pradesh India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)SANGAL, SANDEEP</b>
(87) International Publication No	:NA	<b>2)MISHRA, B.K</b>
(61) Patent of Addition to Application Number	:NA	<b>3)CHAIRA, DEBASIS</b>
Filing Date	:NA	<b>4)PRAKASH, PREM</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a process for the preparation of nanocrystalline titanium carbide by reaction milling a mixture of titanium powder and carbon powder in a dual drive planetary mill to obtain nanocrystalline titanium carbide. The titanium carbide particles produced by the process are ultra fine and nanostructured as characterized by XRD, laser particle size analyzer, Raman Spectra Analysis, scanning electron microscopy (SEM) and transmission electron microscopy (TEM). These nanocrystalline titanium carbide particles are useful in various engineering applications.

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



(54) Title of the invention : A METHOD AND APPARATUS FOR VERSION MANAGEMENT OF A DATA ENTITY

(51) International classification :g06c  
 (31) Priority Document No :11/904,062  
 (32) Priority Date :25/09/2007  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/EP2008/055854  
 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 Les  
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 France

(72)Name of Inventor :

**1)GOLE Remy****2)RUSCICA Brigitte****3)CHABOD Alexandre****4)HUARD Lna<sup>c</sup>****5)DANIELLO Rudy**

(57) Abstract :

A system for identifying a parameter in a version of a data entity created at a specific time, wherein at a first time the version is an active version and at a second time the version is a previous version, the system comprising a database for storing the plurality of versions of the data entity as they are created, a cache for storing the first active version of the data entity, wherein when a new version of the data entity is created by updating at least one parameter of the data entity, a new active version replaces the first active version stored in a cache and the first active version becomes a previous version stored in the cache, and wherein the new active version includes a list of the or each previous version of the data entity with an associated time at which the version was an active version, such that by identifying the version of the data entity which was active at the specific time the parameter is determined

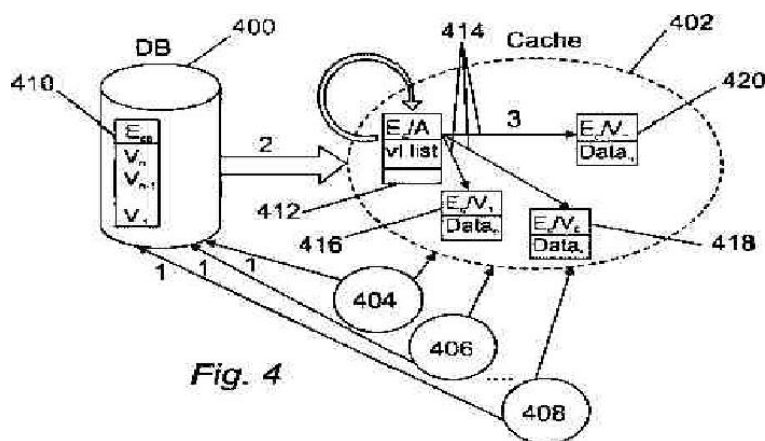


Fig. 4

No. of Pages : 20 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3794/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :29/05/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : CABLE WITH MEMORY

(51) International classification	:h04n
(31) Priority Document No	:PA 2007 01547
(32) Priority Date	:30/10/2007
(33) Name of priority country	:Denmark
(86) International Application No	:PCT/EP2008/064655
Filing Date	:29/10/2008
(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)Anil Goel**

Address of Applicant :48 Warham Road London N4 1AT  
United Kingdom .

(72)Name of Inventor :

**1)Anil Goel**

(57) Abstract :

A cable for providing electric power from a power source to a mobile device, the cable having a first connector at a first end of the cable for connecting the cable to a mobile device and with a second connector at a second end for connecting the cable to the power source, wherein the cable comprises a memory module for backup and bidirectional transfer of data to and from the mobile device.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.894/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :13/04/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : POLYURETHANE BASED PAINTS FOR PROTECTION AGAINST 1064 NM NDYAG LASER RADIATION□

(51) International classification

:c09D

(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)DEFENCE RESEARCH & DEVELOPMENT  
ORGANISATION**

Address of Applicant :Ministry of Defence Govt of India

Room No. 348 B-Wing DRDO Bhawan Rajaji Marg New Delhi  
110 011 India

(72)Name of Inventor :

**1)Trilok Chand Shami**

**2)Abhinandan Jain**

**3)Kondepudi Udaya Bhasker Rao**

(57) Abstract :

The present invention relates to a laser absorbing paint composition. More particularly, the composition is polyurethane based paint for protection against the laser radiation. The said laser absorbing paint is used for general purpose as well for defense purpose, which shows more than 99% laser absorption and has excellent mechanical properties.

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

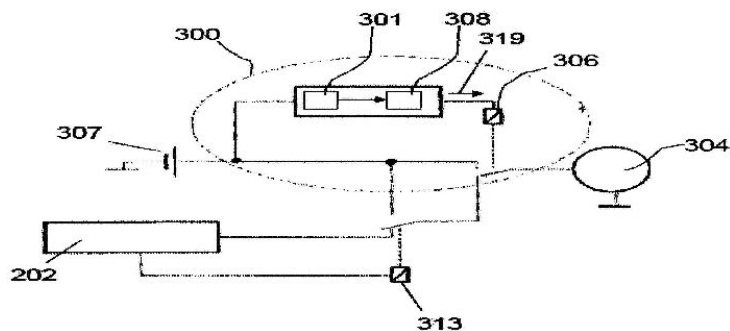
## (54) Title of the invention : OVERSPEED PROTECTION SYSTEM AND METHOD

(51) International classification	:B61G	(71)Name of Applicant :
(31) Priority Document No	:12/821,814	<b>1)GENERAL ELECTRIC COMPANY</b>
(32) Priority Date	:23/06/2010	Address of Applicant :1 RIVER ROAD, SCHENECTADY,
(33) Name of priority country	:U.S.A.	NEW YORK 12345 UNITED STATES OF AMERICA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)MENKE DETLEF</b>
(87) International Publication No	:NA	<b>2)LOH FRIEDRICH</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

An overspeed protection system for a wind turbine having a hub and at least one rotor blade mounted to the hub includes a rotation sensor adapted for measuring a rotor speed of said wind turbine; a comparator connected to the rotation sensor and adapted for comparing the measured rotor speed with a predetermined threshold value of the rotor speed wherein the comparator outputs a signal indicative of the comparison; and an auxiliary pitch drive controller connected to the comparator and adapted to receive the signal indicative of the comparison, the auxiliary pitch drive controller being further adapted for controlling a pitch drive unit of the wind turbine independently of a main turbine controller and, if the threshold value is exceeded, to adjust a pitch angle of the rotor blade of the wind turbine so that aerodynamic braking of the wind turbine is effected. (Figure 5)

FIG. 5



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.270/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :12/01/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : RASAGILINE FOR PARKINSON'S DISEASE MODIFICATION□

(51) International classification :A61K  
(31) Priority Document No :61/131,936  
(32) Priority Date :13/06/2008  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2009/003528  
Filing Date :12/06/2009  
(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 :**  
**1)TEVA PHARMACEUTICAL INDUSTRIES LTD.**  
Address of Applicant :5 Basel Street P.O. Box 3190 49131  
Petach-Tikva Israel  
(72)**Name of Inventor :**  
**1)LEVY Ruth**  
**2)EYAL Eli**  
**3)GOREN Tamar**  
**4)OREN Sheila**  
**5)SAYAG Naim**  
**6)WEISS Yonatan**  
**7)BEN-AMI Miri**

(57) Abstract :

A method for modifying Parkinsons disease by periodically administering a pharmaceutical composition comprising a therapeutically effective amount of rasagiline or a pharmaceutically acceptable salt of rasagiline to the patient, thereby modifying the disease. The method includes reducing the rate of progression; delaying the need for symptomatic anti-Parkinsonian therapy; reducing the risk of a Parkinsons disease patient requiring symptomatic anti-Parkinsonian therapy; and reducing the functional decline.

No. of Pages : 120 No. of Claims : 93

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2780/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :23/11/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : METHODS AND APPARATUS FOR APPLYING A CONNECTION AGENT TO ATLEAST A CONNECTOR FOR CONNECTION ATLEAST A SOLAR CELL

(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)SOMONT GmbH**

Address of Applicant :Im Brunnenfeld 8 Umkirch Germany

(72)Name of Inventor :

**1)UFHEIL Joachim**

(57) Abstract :

Methods and apparatus for applying a connection agent to atleast a connector for connecting atleast a solar cell. The method comprises the steps of: dispensing the connection agent in an atmosphere and depositing the connection agent to the connector. The method further comprising the step of moving the connector thru the atmosphere for deposition of the connection agent on the connector.

No. of Pages : 17 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2954/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :10/12/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : AUDIO PLAYBACK DEVICE AND METHOD

(51) International classification	:H04S	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)NXP B.V.</b>
(32) Priority Date	:NA	Address of Applicant :HIGH TECH CAMPUS 60, NL-5656
(33) Name of priority country	:NA	AG EINDHOVEN (NL) Netherlands
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)PALLAPOTHU, SHYAM</b>
(87) International Publication No	:NA	<b>2)YADAV, SANDEEP S.</b>
(61) Patent of Addition to Application Number	:NA	<b>3)REDDY, SANIGAPALLY HARINATH</b>
Filing Date	:NA	<b>4)BN, DATTAGURU</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method and apparatus is for outputting audio files to a user to enable selection of one of the audio files by the user. At least two independent audio files are played simultaneously, distributed differently over a set of speakers, thereby to appear to the user to originate from different directions. This enables a faster selection process by the user.

No. of Pages : 17 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.654/DELNP/2010 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : PROCESS FOR PRODUCING TOLUIDINE COMPOUND

(51) International classification :c07c  
(31) Priority Document No :2007-202210  
(32) Priority Date :02/08/2007  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2008/063933  
Filing Date :29/07/2008  
(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)ISHIHARA SANGYO KAISHA LTD.**

Address of Applicant :3-15 Edobori 1-chome Nishi-ku  
Osaka-shi Osaka 550-0002 JAPAN

(72)Name of Inventor :

**1)MURAI Shigeo**

**2)YOSHIZAWA Hiroshi**

**3)OHSHIMA Takeshi**

**4)MURAKAMI Katsuyoshi**

**5)ANDO Takayoshi**

**6)NAKAMURA Tadashi**

**7)ADACHI Norio**

**8)ISOGAI Akihiko**

(57) Abstract :

Because fluazinam is excellent as an active ingredient of pesticides and highly useful, it is desired to produce it efficiently in a proper form with simple operations at low cost in an environmentally friendly manner.

No. of Pages : 30 No. of Claims : 26



(12) PATENT APPLICATION PUBLICATION

(21) Application No.698/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :24/03/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : TARGET ZONES FOR MENU ITEMS ON A TOUCH-SENSITIVE DISPLAY

(51) International classification	:h04n
(31) Priority Document No	:09159752.6
(32) Priority Date	:08/05/2009
(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)Thanh Vuong**  
**2)Jason Griffin**

(57) Abstract :

The present disclosure relates to a portable electronic devices including but not limited to electronic portable device having touch screen display and their controls.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.101/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :17/01/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : TRIMETHYLOLHEXANE BASED ESTERS AS POTENTIAL BIOLUBRICANT BASE OILS

(51) International classification

:C10M

(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)VIJAYALAKSHMI PENUMARTHY**

**2)SANJIT KANJILAL**

**3)SARAVANAN KRISHNASAMY**

**4)RAO KASTURI VENKATA SESA ADINARAYANA**

**5)RACHAPUDI BADARI NARAYANA PRASAD**

**6)CHEGURU SNEHA LATHA**

(57) Abstract :

Preparation of trimethylolhexane was carried out in the presence of base by Aldol condensation of heptaldehyde with formaldehyde followed by cross cannizaro reaction of the intermediate with formaldehyde. The crude product obtained after work up was purified by crystallization technique. Characterization of major product and minor product viz. Trimethylolhexane and Ditrimeylolhexane was carried out by physical methods. Various esters were prepared by reaction with acids like pentanoic, heptanoic, nonanoic and a mixture of octanoic and decanoic acids and the physico- chemical properties like acid value, viscosity, viscosity index and pour point were evaluated. The esters were found to be potential lubricant base oils with good low temperature properties.

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

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :29/04/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : NOVEL THERAPEUTIC TARGETS IN BOWEL DISEASE□

(51) International classification	:a61k
(31) Priority Document No	:60/999,234
(32) Priority Date	:17/10/2007
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2008/080115
Filing Date	:16/10/2008
(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)SALIX PHARMACEUTICALS LTD.**  
Address of Applicant :1700 Perimeter Park Drive Morrisville  
North Carolina 27560 United States of America.  
**2)GOVT. OF THE U.S.A. AS REPRESENTED BY THE  
SECRETARY DEPARTMENT OF HEALTH AND HUMAN  
SERVICES**  
(72)**Name of Inventor :**  
**1)FRANK J. GONZALEZ**  
**2)LORIN JOHNSON**  
**3)XIAOCHAO MA**

(57) Abstract :

The present invention relates to novel sequences for use in detection, diagnosis and treatment of bowel disease (BD) The invention provides BD-associated polynucleotide sequences whose expression is associated with BD Provided herein are diagnostic compositions and methods for the detection of BD The present invention provides monoclonal and polyclonal antibodies specific for the BD polypeptides The present invention also provides diagnostic tools and therapeutic compositions and methods for screening, prevention and treatment of BD.

No. of Pages : 89 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3219/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :07/05/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : SELF ENERGIZING ANNULAR SEAL

(51) International classification	:E21B33/03,E21B33/02	(71)Name of Applicant :
(31) Priority Document No	:60/985502	<b>1)CAMERON INTERNATIONAL CORPORATION</b>
(32) Priority Date	:05/11/2007	Address of Applicant :1333 West Loop South Suite 1700
(33) Name of priority country	:U.S.A.	Houston Texas 77027 9919 U.S.A.
(86) International Application No	:PCT/US2008/082410	(72)Name of Inventor :
Filing Date	:05/11/2008	<b>1)THEISS David H.</b>
(87) International Publication No	:WO 2009/061768	<b>2)KOCUREK Christopher G.</b>
(61) Patent of Addition to Application	:NA	<b>3)BURTON James A.</b>
Number	:NA	<b>4)SHINN Terry L.</b>
Filing Date	:NA	<b>5)GARBETT Keith</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An annular seal assembly for forming a seal between two annular surfaces. The seal assembly includes an annular base including a sealing surface. The seal assembly also includes a pair of spaced apart rims extending from the annular base opposite the base sealing surface and in opposite directions the rims also including sealing surfaces. The base is elastically deformable and the rims are elastically deformable relative to the base to effect a self energized seal between the two annular surfaces.

No. of Pages : 18 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.742/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :31/01/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : ASSEMBLY IMPROVING, LOW MASS, FASTENER HEAD□

(51) International classification	:F16B
(31) Priority Document No	:61/085,219
(32) Priority Date	:31/07/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/052371
Filing Date	:31/07/2009
(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)MATHREAD INC.**  
Address of Applicant :28061 Grand Oaks Court Wixom MI  
48393 United States of America  
(72)**Name of Inventor :**  
**1)GARVER Michael**

(57) Abstract :

An assembly improving, lower mass fastener head that is easier to handle and reduces the amount of material that is required in manufacturing the fastener comprises three lugs at multiples of 60 degrees around an axis of a threaded body. Those portions of a hex head that are not necessary for application and transmission of torque, nor necessary to resist axial loading, nor necessary to axially stabilize the fastener head within current driving tooling may be removed. Compatibility with existing hex head tools is maintained while improving handling of the fastener by an assembler and reducing material used in the fastener head.

No. of Pages : 38 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.241/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :12/01/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : 2-PYRIDYL SUBSTITUTED IMIDAZOLES AS ALK4 AND/OR ALK4 INHIBITORS□

(51) International classification :c07c  
(31) Priority Document No :12/155,984  
(32) Priority Date :12/06/2008  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/IB2009/006398  
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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(72)Name of Inventor :

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**2)KIM Jae-Sun**

**3)OH Jung-Hoon**

**4)JUNG Hoe-chul**

**5)LEE Hyun Jung**

**6)KANG Sang-hwan**

**7)KIM Yong-Hyuk**

**8)PARK Sung-hoon**

**9)RYU Keun-Ho**

**10)Yi Jung Bum**

**11)KIM Hun-Taek**

**12)UM Key-An**

**13)LEE Bong-yong**

**14)RYU Je Ho**

**15)KIM Nam Ho**

**16)KIN Seon-Mi**

**17)KIM Shinae**

**18)LEE Minhee**

**19)KIM Eun-Jeong**

**20)PARK Yeo-Jin**

**21)JANG Woo Je**

(57) Abstract :

2-pyridyl-substituted imidazoles which are used advantageously in the treatment of diseases mediated by ALK 5 or ALK 4 inhibitors or both.

No. of Pages : 91 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.372/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :17/01/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : CELL ADHESION PROMOTING AGENT AND METHOD OF PROMOTING CELL ADHESION□

(51) International classification	:C07C
(31) Priority Document No	:2008-159369
(32) Priority Date	:18/06/2008
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2009/060950
Filing Date	:16/06/2009
(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 :**  
**1)KYOTO UNIVERSITY**  
Address of Applicant :36-1 Yoshida-honmachi Sakyo-ku  
Kyoto-shi Kyoto 6068501 JAPAN  
(72)**Name of Inventor :**  
**1)Motonari UESUGI**  
**2)Sayumi YAMAZOE**

(57) Abstract :

The subject invention disclose an agent for promoting cell adhesion to a support, comprising a dispirotripiperazine derivative represented by formula I below or a salt thereof; a method for promoting cell adhesion to a support comprising adding the

No. of Pages : 80 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.5703/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :26/07/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : A METHOD OF FABRICATING A THERMAL BARRIER COVERING A SUPERALLOY METAL SUBSTRATE, AND A THERMOMECHANICAL PART RESULTING FROM THIS FABRICATION METHOD

(51) International classification	:C23C 4/02
(31) Priority Document No	:0900570
(32) Priority Date	:10/02/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/050189
Filing Date	:05/02/2009
(87) International Publication No	:WO 2010/092280
(61) Patent of Addition 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)YANNICK CADORET**

**2)SAMUEL HERVIER**

**3)CLAUDE MONS**

**4)ANNIE PASQUET**

(57) Abstract :

The invention relates to a fabrication method of fabricating a thermal barrier covering a superalloy metal substrate, said thermal barrier comprising at least an underlayer and a ceramic layer, the method being characterized in that the following step is performed: the surface state of the underlayer is smoothed by at least one physicochemical and/or mechanical process prior to depositing the ceramic layer in such a manner that the number of defects presenting a peak-to-peak difference greater than or equal to 2 urn is at most five over any distance of 50 urn, and then depositing the ceramic layer. The invention is applicable to turbine blades.

No. of Pages : 33 No. of Claims : 12



(12) PATENT APPLICATION PUBLICATION

(21) Application No.5992/DELNP/2010 A

(19) INDIA

(22) Date of filing of Application :24/08/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : LOW WEIGHT AND HIGH DURABILITY SOFT BODY ARMOR COMPOSITE USING TOPICAL WAX COATINGS

(51) International classification	:D06B 3/02
(31) Priority Document No	:12/037,370
(32) Priority Date	:26/02/2008
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2009/033726
Filing Date	:11/02/2009
(87) International Publication No	:WO 2009/108498
(61) Patent of Addition 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, UNITED  
STATES OF AMERICA

(72)Name of Inventor :

**1)HENRY G. ARDIFF**

**2)BRIAN D. ARVIDSON**

(57) Abstract :

Ballistic resistant articles having abrasion resistance. Particularly, abrasion resistant, ballistic resistant articles and composites having a wax-based topical treatment.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/08/2010

(21) Application No.2390/MUM/2010 A

(43) Publication Date : 06/09/2013

(54) Title of the invention : IGNITER

(51) International classification	:H01R13/52; H01R13/527	(71) <b>Name of Applicant :</b> <b>1)TATA CONSULTANCY SERVICES LIMITED</b> Address of Applicant :NIRMAL BUILDING, 9TH FLOOR, NARIMAN POINT, MUMBAI - 400 021, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	<b>2)INDIAN INSTITUTE OF SCIENCE</b>
(32) Priority Date	:NA	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:NA	<b>1)ANJAN KUMAR N.</b>
(86) International Application No	:NA	<b>2)GURUPRASAD D.</b>
Filing Date	:NA	<b>3)T.N.C.ANAND</b>
(87) International Publication No	: NA	<b>4)R.V. RAVIKRISHNA</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:	
Filed on	:01/01/1900	

(57) Abstract :

An igniter for an igniter system for an airbag inflation system is disclosed. The igniter includes a hermetically sealable chamber, an opening, a dome shaped frangible wall, a port and a mounting flange. The hermetically sealable chamber is adapted to hold a propellant gas under pressure. The opening is for securing an igniter trigger. The dome shaped frangible wall of pre-determined thickness is adapted to break at a gas pressure of at least 90 bar. The port is adapted for filling propellant gas under pressure inside said chamber. The mounting flange is adapted for mounting the igniter within an airbag inflating unit.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2391/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :27/08/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : NON-TOXIC GAS PROPELLANT FOR IGNITER OF AIRBAG INFLATOR SYSTEM

(51) International classification	:C06D 5/00; C06D 5/02
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:1973/MUM/2009
Filed on	:28/08/2009

(71)**Name of Applicant :**  
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Address of Applicant :NIRMAL BUILDING, 9TH FLOOR,  
NARIMAN POINT, MUMBAI - 400021, MAHARASHTRA,  
INDIA.  
**2)INDIAN INSTITUTE OF SCIENCE**  
(72)**Name of Inventor :**  
**1)ANJAN KUMAR N.**  
**2)GURUPRASAD D.**  
**3)DR. T.N.C. ANAND**  
**4)DR. R.V. RAVIKRISHNA**

(57) Abstract :

A non-toxic gas propellant for an igniter of an airbag inflator system is disclosed. The non-toxic gas propellant includes hydrogen gas in the range of 25 to 40% of the total volume of the gases mixture, oxygen in the range of 12 to 25% of the total volume of the gases mixture, and inert gas in the range of 35 to 62% of the total volume of the gases mixture. The mixture is compressed at a pressure of 10 to 25 bar.

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

(54) Title of the invention : TUNABLE DISTRIBUTED HARMONIC VOLTAGE CONTROLLED OSCILLATOR FOR GENERATING SECOND AND THIRD HARMONIC MICROWAVE SIGNALS

(51) International classification	:H04L27/26; H04B1/10	(71)Name of Applicant : <b>1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY</b>
(31) Priority Document No	:NA	Address of Applicant :POWAI , MUMBAI 400076
(32) Priority Date	:NA	MAHARASHTRA, INDIA.
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)BHATTACHARYYA KALYAN</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 :

Tunable distributed harmonic voltage controlled oscillator for generating second and third harmonic microwave signals. The oscillator (1) comprises a plurality of gain cells (2, 3, 4, 5) in a parallel configuration. Each gain cell comprises a bottom n-MOSFET (6) and a top n-MOSFET (7), each of gate length 0.18  $\mu\text{m}$ . The drain (8) of each bottom n-MOSFET is connected to the gate (9) of the respective top n-MOSFET. The drain (10) of each top n-MOSFET is connected to a drain transmission line (11) and the gate (12) of each bottom n-MOSFET is connected to a gate transmission line (13). The drain transmission line comprises a CPW (14) at each end thereof and a CPW (15) between every two drains. The gate transmission line comprises a CPW (16) at each end thereof and a CPW (17) between every two gates. The output end (18) of the drain transmission line is connected to the input end (19) of the gate transmission line through a feed back path (20). The body (21, 22) of each bottom n-MOSFET and top n-MOSFET is connected to a body bias voltage (23) and the source (24, 25) of each bottom n-MOSFET and top n-MOSFET is earthed. The input end (26) of the drain transmission line is connected to an input voltage (27). The output end (28) of the gate transmission line is connected to a frequency collector (29). A peeking inductor (30) is connected across the gate and drain of each bottom n-MOSFET. The length of each of the end CPWs in the drain transmission line and gate transmission line is half the length of the CPW between every two drains and gates, respectively. When the inductance of each peeking inductor is 2 to 2.25nH, the oscillator generates a high frequency second harmonic microwave signal with a high power output. When the inductance of each peeking inductor is 1 to 1.1 nH the oscillator generates a high frequency third harmonic microwave signal with a high power output. When the inductance of each peeking inductor is 1,25 nH the oscillator generates high frequency second and third harmonic microwave signals with a high power output

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.117/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :13/01/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : PNEUMATICALLY OPERATED SUGARCANE BUD CHIPPING MACHINE

(51) International classification	:A23N7/01	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)INDIAN COUNCIL OF AGRICULTURAL RESEARCH</b>
(32) Priority Date	:NA	<b>(ICAR), CENTRAL INSTITUTE OF AGRICULTURAL</b>
(33) Name of priority country	:NA	<b>ENGINEERING</b>
(86) International Application No	:NA	Address of Applicant :NABI BAGH, BERASIA ROAD
Filing Date	:NA	BHOPAL-462 038 (MADHYA PRADESH), INDIA
(87) International Publication No	:N/A	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)DR. S. JACOB KALAISELVAN ANNAMALAI</b>
Filing Date	:NA	<b>2)DR. RAVINDRA NAIK</b>
(62) Divisional to Application Number	:NA	<b>3)DR. N. VIJAYAN NAIR</b>
Filing Date	:NA	<b>4)DR. N. RAJENDRA PRASAD</b>

(57) Abstract :

The invention described in this application relates to a pneumatically operated device used for removing the bud chips from sugarcane that are used as a planting material. The device comprises of six major components, (a) sugarcane holder (b) pneumatic cylinder arrangement with regulator, air filter, pressure gauge and accessories for operating the sugarcane bud chipping cutting blade attached to stainless steel cylindrical shaft (c) an air compressor to provide the compressed air of 3.5 to 5 kg/cm<sup>2</sup> to operate the pneumatic cylinder (d) Adjustable guide mechanism to guide the sugarcane on the wooden platform of the cutting zone so that the sugarcane chips of required size is obtained (e) A guard screen for operator's safety and to avoid the contact of the chipped cut sugarcane with the operator and to guide the sugarcane bud chips in to the plastic collecting tray (f) Plastic collecting tray to collect the cut sugarcane bud chips The sugarcane after harvesting at an optimum age is fed into the pneumatically operated sugarcane bud chipping machine. After placing the sugarcane in the appropriate position guided by the adjustable guide mechanism, the chipping blade moves up and down by force exerted by the pneumatic cylinder by converting the potential energy of compressed air obtained from the air compressor into kinetic energy. A joy stick is provided at an appropriate position to operate the sugarcane bud chipping blade by regulating the up and down motion of the cutting blade attached to the cylindrical shaft. A safety guard screen is provided. Since two subsequent sugarcane bud chips are placed at an angle of 180°, the operator has to rotate the sugarcane manually by an angle of 180° before the next chipping operation is initiated for extracting the subsequent bud. The sugarcane bud chips extracted are collected in a plastic tray. With this device, an operator can safely remove 1000 number sugarcane buds per hour. The cost of the unit is Rs. 12000 only (excluding the cost of the air compressor). The saving in labour and cost over conventional method is up to 85-88 per cent and 60-62 per cent, respectively.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2639/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :11/09/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : IMAGE GUIDED SURGERY APPARATUS AND SYSTEM

(51) International classification	:A61B19/00	(71)Name of Applicant :
(31) Priority Document No	:101107199	<b>1)CHINA MEDICAL UNIVERSITY</b>
(32) Priority Date	:03/03/2012	Address of Applicant :NO.91, XUESHI RD., NORTH DIST.,
(33) Name of priority country	:Taiwan	TAICHUNG CITY 404, R.O.C. Taiwan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)SHINN-ZONG LIN</b>
(87) International Publication No	: NA	<b>2)JIN-CHERN CHIOU</b>
(61) Patent of Addition to Application Number	:NA	<b>3)HORNG-JYH HARN</b>
Filing Date	:NA	<b>4)JENG-REN DUANN</b>
(62) Divisional to Application Number	:NA	<b>5)YUNG-JIUN LIN</b>
Filing Date	:NA	

(57) Abstract :

An image guided surgery apparatus and system are provided. The image guided surgery system includes an image capturing system, an image scanner, a navigator, a surgical catheter and a surgical probe. The image capturing system has an elongated and flexible working tube for capturing a surface image, a structure image or a dynamic structure image of a tissue during the surgical catheter moving forward to the surgical part, thus determining the type and the structure of the tissue in the front-end of the surgical catheter. Therefore, whether a moving path of the surgical catheter is at the correct position can be confirmed for reaching a correct surgical site. The surgical catheter assists the surgical probe directly reaching the optimal surgical site for performing a precise positioning surgery.

No. of Pages : 21 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2801/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :30/09/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : DUAL SIDE OPENING DOOR HINGE

(51) International classification

:F16F  
7/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:N/A

(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)MAHINDRA & MAHINDRA LIMITED**

Address of Applicant :R & D CENTER,AUTOMOTIVE  
SECTOR,89,M.I.D.C.,SATPUR,NASHIK-422  
007,MAHARASHTRA, INDIA.

(72)Name of Inventor :

**1)VEERA SELVAN K**

(57) Abstract :

The invention relates to a dual side opening door hinge for automobile vehicles. A dual side opening door hinge comprises of a door mounted and a body mounted hinge. The said body mounted hinge which is fitted to the body has a locking part 1, with pair of engaging teeth 12 at distant on the external surface, able to revolve about the axis, mounted over a shaft 10 held between a pair of mounting brackets 2, to be locked to the door mounted hinge. The said door mounted hinge consists a semicircular shape member having pivot 17 at both ends rigidly held a by bracket 6, a pair locking arms 3, having curvature that of semicircular member with rounded free end provided with notch 13 near to the said free end, pivoted to the said pivot 17 of the body mounted hinge at both ends with a spring bias between the locking arm and the door mounted hinge so as to keep locking arms fully aligned to the said door mounted hinge so as the said teeth 12 engaging to the said notch 13 to prevent locking part release normally. A pair cable 4 engaged to the said locking arms connected to the door opening handles provided at inside and outside of vehicle, enabled to actuate for moving locking arm away from alignment, against spring 9 bias, for disengaging of locking tooth 12 from the notch so as to release the said locking part.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2802/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :30/09/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : AN EFFORTLESS CHECK ARM FOR THE VEHICLE DOOR

(51) International classification	:F16C	(71)Name of Applicant :
(31) Priority Document No	11/04	<b>1)MAHINDRA &amp; MAHINDRA LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :R & D CENTER,AUTOMOTIVE
(33) Name of priority country	:NA	SECTOR,89,M.I.D.C.,SATPUR, NASHIK-422 007,
(86) International Application No	:NA	MAHARASHTRA, INDIA.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:N/A	<b>1)VEERA SELVAN K</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 check arm 1, fitted to the body of vehicle, provided with a first pair of magnets 3 held by pivoted at pivot 10 a pair cross arms with a spring 7 sand witched therein. The said first magnets 3 at distant separated by a spring in between and clamped by magnet holding arms. A check house 2 fitted to the door provided with a second magnet 5 having a side slot for passing of said magnet holding arms with a reduced width of the slot 8 in location adjacent to the said magnet of check house so as to press spring 7 biased arm to make the said first magnets 3 closer together. The arrangement is made such that While opening the door the said magnet 5 in the check house passes first through the check arm magnet 5 followed by the slots 8 in the check house and while door closing the slot in the check house passes first through the check arm magnet 3 followed by the check house magnet 5.

No. of Pages : 14 No. of Claims : 7



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2803/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :30/09/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : A JERK-FREE CHECK ARM FOR THE DOOR OF A MOTOR VEHICLE

(51) International classification	:FI16	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)MAHINDRA &amp; MAHINDRA LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :R & D CENTRE,AUTOMOTIVE
(33) Name of priority country	:NA	SECTOR,89,M.I.D.C.,SATPUR, NASHIK-422 007,
(86) International Application No	:NA	MAHARASHTRA, INDIA.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:N/A	<b>1)VEERA SELVAN K</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 a jerk-free check arm 1 for the door of a motor vehicle which comprises of a pair of spherical magnet 2 at distance freely rotating in a holder one in top and other at bottom placed in a the check house 3 fitted to the vehicle door; a check arm 1 made of plastic, fixed to the body of vehicle, provided with a iron sheet form 4 at top and bottom by clamping over the check arm 1 at a distance location, to the extent door of vehicle to be opened, from the body of vehicle ; the arrangement is such that when the door opens, the spherical magnet 2 in the check house 3 slides over the check arm and due to the magnetic attractive force of the iron to the spherical magnet, the spherical magnet 2 stops over the iron sheet form 4 on the check arm 1 and the door stops in that position without having any oscillatory motion.

No. of Pages : 11 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2380/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :25/08/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : SILICONES FOR TEXTILE INDUSTRY

(51) International classification	:C07F 7/18; C07F 7/02	(71) <b>Name of Applicant :</b> <b>1)VAJAYA SHANBAG</b> Address of Applicant :3C- BHASKAR SOCIETY, NAIKWADI, AAREY ROAD, GOREGAON (EAST), MUMBAI - 400 063, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)VIJAYA SHANBAG</b>
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A Silicone composition prepared for textile substrates treatment of cellulosic Cotton, polyethylene terephthalate called Polyester, and their subsequent blends, etc selected considering practical aspects of the fabric variety which gave bounciness, bulk, lustre along with peach finish effect. The substrate selected gave final fabric softness coated with the silicone composition emulsion by curing at temperatures for specified period of time. The product composition prepared, applied gave good aesthetic look to the fabric or garment giving new fashion outlook and the comfort of wearing.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2384/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :26/08/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : AN INTERFACE CIRCUIT BETWEEN A SENSOR AND A SIGNAL CONDITIONING CIRCUIT

(51) International classification	:G05D1/00; G05D16/20	(71) <b>Name of Applicant :</b> <b>1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY</b> Address of Applicant :POWAI, MUMBAI 400 076, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)MARYAM SHOJAEI BAGHINI</b>
Filing Date	:NA	<b>2)ANVESHA AMARAVATI</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 interface circuit to provide for a pair of differential output signals is provided by receiving differential input signals, the input signals representable as Vin1 and Vin2 having a common mode signal component Vcm and a differential mode component Vid- The interface circuit comprises of a first filter circuit receiving the input signal Vin1 and presenting a first output at a first node; and a second filter circuit receiving the input signal Vin2 and presenting a second output at a second node; and an impedance circuit comprising of both active and passive elements to selectively provide a high impedance to the common mode signal component between the first node and a common ground terminal, and between the second node and the common ground terminal and to generate the differential output signals.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2385/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :26/08/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : GENERATION OF ENERGY CONSUMPTION PROFILES

(51) International classification	:G06F1/32; G06F11/34	(71) <b>Name of Applicant :</b> <b>1)TATA CONSULTANCY SERVICES LIMITED</b> Address of Applicant :NIRMAL BUILDING, 9TH FLOOR, NARIMAN POINT, MUMBAI, 400 021, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)ARUNCHANDAR VASAN</b>
(33) Name of priority country	:NA	<b>2)ANAND SIVASUBRAMANIAM</b>
(86) International Application No	:NA	<b>3)RAJESH JAYAPRAKASH</b>
Filing Date	:NA	<b>4)PERUMAL RAJARAM</b>
(87) International Publication No	: NA	<b>5)RAJESH SUBBIAH</b>
(61) Patent of Addition to Application Number	:NA	<b>6)PRAVEEN ORVAKANTI</b>
Filing Date	:NA	<b>7)SIVABALAN THIRUNAVUKKARASU</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The subject matter described herein relates to a system (100) and a method for generation of energy consumption profiles corresponding to a plurality of computing systems (110). For each of the plurality of the computing systems (110), a plurality of consumption parameters from at least one measurement device (115) is received. The consumption parameters include a processor utilization parameter and an energy consumption parameter. Further, a normalization factor corresponding to each of the plurality of the computing systems (110) is identified. Based on the normalization factor, the processor utilization parameter is normalized. Based on the normalized processor utilization parameter and the energy consumption parameter, the energy consumption profile is generated. The energy consumption profile is indicative of energy efficiency of the plurality of the computing systems (110).

No. of Pages : 26 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.721/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :18/03/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : A CLOSURE ARRANGEMENT FOR A PACKAGING CARTON

(51) International classification	:B65D 47/28; B65D5/00	(71)Name of Applicant : <b>1)PARKSONS PACKAGING LTD.</b> Address of Applicant :GATE NO. 357/77,79,81, CHAKAN- TELEGAON ROAD, KHARABWADI, TAL: KHED, CHAKAN, PUNE - 410501 Maharashtra India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)KULKARNI KIRAN C.</b>
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A closure arrangement for re-closing an operative top opening of a packaging carton is disclosed. The operative top opening is defined by an operative front edge, an operative rear edge and a pair of opposite side edges. The closure arrangement includes a liner, a set of panels and a flap member. The liner is extending at-least along operative walls of the packaging carton and is adapted to hold contents thereof. The set of panels include a pair of collar flaps and a back panel. The collar flaps are hinged from the side edges of the top opening. Each collar flap is provided with a combination of a cut and a crease to facilitate folding of the collar flaps. The flap member includes a pinching member and an elongate slit. The elongate slit disposed on the flap member is adapted to receive a tongue member disposed on the back panel.

No. of Pages : 39 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :31/05/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : TOPICAL FORMULATION OF HALOMETASONE MONOHYDRATE IN COMBINATION WITH ANTIFUNGAL DRUG

(51) International classification	:A61K 31/573; A61K 9/00	(71)Name of Applicant : <b>1)LYKA LABS LIMITED</b> Address of Applicant :101 SHIVSHAKTI INDUSTRIAL ESTATE, ANDHERI-KURLA ROAD, ANDHERI (EAST) MUMBAI 400 059, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)GANDHI, NARENDRA ISHWARLAL</b>
(33) Name of priority country	:NA	<b>2)SAMANT, RAJAN SHANTARAM</b>
(86) International Application No	:NA	
Filing Date	:NA	
(87) 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 :

Disclosed herein is the topical pharmaceutical composition comprising combination of Halometasone monohydrate and antifungal drug such as Miconazole nitrate or Clotrimazole along with pharmaceutically acceptable excipients, for treatment of infective eczema and eradicating fungal infections and further it discloses the process for preparation thereof.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2800/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :30/09/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : HOOD HOLDING MECHANISM FOR AUTOMOTIVE VEHICLES

(51) International classification	:B62D25/10	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)MAHINDRA &amp; MAHINDRA LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :R & D CENTRE,AUTOMOTIVE
(33) Name of priority country	:NA	SECTOR,89,M.I.D.C.,SATPUR,NASHIK-422
(86) International Application No	:NA	007,MAHARASHTRA, INDIA.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:N/A	<b>1)JIRLI, SIDDALINGAPPA</b>
(61) Patent of Addition to Application Number	:NA	<b>2)VEERA SELVAN K</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Invention relates to a hood holding mechanism for automotive vehicles. The hood mechanism comprises a guide way member 10 , mounted over a bracket 2 , having longitudinal groove , for wheel guide way, rigidly fixed to the in side the hood at one end near to the hinge of the said hood and other end facing free end of said hood. A pair of arms 8 at one end pivoted to fender 11 on the vehicle body and other end a wheel 6 pivoted on a shaft 7 , mounted in the said groove 10A . A pair of spring biased locking members pivoted at the other end of the said guide way member to engage the said shaft 7 of the wheel 6. A cable means 9 provided to the said locking member 5 for releasing the shaft 7 by means operation of lever mechanism 15 placed at remote.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.568/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : HVAC WITH CONDENSER IN ENGINE AIR INTAKE PATH AS A PRIMARY AIR FILTER

(51) International classification	:B60H	(71)Name of Applicant :
(31) Priority Document No	1/00	1)TATA MOTORS LIMITED.
(32) Priority Date	:NA	Address of Applicant :Bombay House 24 Homi Mody Street
(33) Name of priority country	:NA	Hutatma Chowk Mumbai 400 001 MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ABHIJIT PRAKASH DUBE
(87) International Publication No	: NA	2)SAMBHAJI KESHAW JAYBHAY
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure provides a Heating Ventilation and Air Conditioning system of a vehicle. The system comprises a compressor for compressing a refrigerant, a condenser in fluid communication with the compressor for condensing the refrigerant. A receiver-drier in fluid communication with the condenser acts as accumulator and dehumidifier for condensed refrigerant. An expansion valve in fluid communication with receiver-drier to reduce pressure from condenser pressure to evaporator pressure and regulate the refrigerant flow from the high-pressure liquid line into the evaporator at a rate equal to evaporation rate in the evaporator. The evaporator in fluid communication with an expansion valve to evaporate the refrigerant. According to embodiment of the present disclosure, the condenser is mounted proximal to mouth of engine air intake duct or inside the mouth of engine air intake duct and air sucked by the engine air intake duct will circulate around the condenser to condense the refrigerant.

No. of Pages : 17 No. of Claims : 5



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2330/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :19/08/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : A PROCESS FOR SYNTHESIS OF NANOSIZED HYDROPHOBIC POLYSACCHARIDE DERIVATIVES

(51) International classification	:A61K31/737; A61K 47/00	(71)Name of Applicant : <b>1)DR. SONAL I. THAKORE</b> Address of Applicant :DEPARTMENT OF CHEMISTRY, FACULTY OF SCIENCE, THE M. S. UNIVERSITY OF BARODA - 390 002. Gujarat India
(31) Priority Document No	:NA	<b>2)MR. MAYUR VALODKAR</b>
(32) Priority Date	:NA	(72)Name of Inventor :
(33) Name of priority country	:NA	<b>1)DR. SONAL I. THAKORE</b>
(86) International Application No	:NA	<b>2)MR. MAYUR VALODKAR</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 :

The present invention relates to a process for large scale synthesis of hydrophobic nanoparticles of polysaccharides soluble in organic solvent for use as potential ecofriendly fillers in polymers. The polysaccharide is organically modified to obtain hydrophobic derivatives and then converted to nanoparticles of less than 100 nm by chemical method.

No. of Pages : 10 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.571/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : AN INSULATIVE LEAD-OUT STRUCTURE OF A TRANSFORMER

(51) International classification	:H01F 30/00	(71)Name of Applicant : <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)Name of Inventor :
(86) International Application No	:NA	<b>1)SANIDHYA VATS</b>
Filing Date	:NA	<b>2)DENNY CHELLADURAI</b>
(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 :

An insulated lead-out structure of a transformer comprising an electrically conducting rod (1) adapted to be electrically connected to a lead-out transformer winding at one end (4) thereof and to a bushing end at the other end (5) thereof, the conducting rod (1) comprising a coating of an insulating material on an outer surface thereof, an insulating paper sheet (2) wrapped on said coating and a modular insulating sheet (3) held around the insulating paper sheet (2) in a spaced apart relationship therewith by means of spacers, the modular insulating sheet (3) bulging at the other end (5) of the rod (1) and extending therebeyond for receiving the bushing end therein and insulating the electrical connection between the conducting rod (1) and the bushing end.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.573/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : PREPARATION OF INTERMEDIATE 1-C-ALKYL HEXOPYRANOSE

(51) International classification	:C07H 15/00	(71)Name of Applicant : <b>1)INDOCO REMEDIES LIMITED</b>
(31) Priority Document No	:NA	Address of Applicant :INDOCO HOUSE, 166 C.S.T. ROAD,
(32) Priority Date	:NA	SANTACRUZ(EAST), MUMBAI-400 098, MAHARASHTRA,
(33) Name of priority country	:NA	INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)RAJADHYAKSHA, MANGESH NARAYAN</b>
(87) International Publication No	:N/A	<b>2)NAIR, RANJEET</b>
(61) Patent of Addition to Application Number	:NA	<b>3)P V RAMESAN</b>
Filing Date	:NA	<b>4)PANANDIKAR, ADITI MILIND</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses one pot process for the preparation of intermediate 1-C-alkyl hexopyranose compound of Formula I useful in the preparation of Valienamine, Valiolamine and their N-substituted derivative. Formula I wherein R is halo group selected from chlorine, bromine & iodine; and R1 is hydroxyl protecting group.

No. of Pages : 13 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/03/2012

(21) Application No.575/MUM/2012 A

(43) Publication Date : 06/09/2013

(54) Title of the invention : ONYX ECO-SMART

(51) International classification	:H05B 3/10	(71)Name of Applicant : <b>1)SHASHI R. VISPUTE</b>
(31) Priority Document No	:NA	Address of Applicant :28, PARSHWANATH NAGAR CO-
(32) Priority Date	:NA	OP.SOC. B/H. AKOTA ATITHI GRUH, AKOTA, BARODA
(33) Name of priority country	:NA	390 020. Gujarat India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)OPAL INDUSTRIES</b>
(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 :

The Onyx Eco smart basically works on operational system as follows: Onyx Water Heater extracts heat from the surrounding air and releases it to the water, resulting in heating water. A small amount of energy is involved in the process. It is transferring of renewable energy and not converting electrical to heat energy. This is unique technological development of the inventor. The main technical specification and features of the subject inventions referred herein are very precisely qualifying the subject invention to the best of its utilization which must be very much-useful and helpful to future consumers and further more it is the only one of its novel technique which produces cool air that also can be utilized at the option of the user only.

No. of Pages : 10 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2379/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :25/08/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : SPIRULINA BIOMASS WITH MODIFIED COLOUR CHARACTERISTIC AND PROCESS FOR PREPARING THE SAME

(51) International classification	:C09B	(71)Name of Applicant :
(31) Priority Document No	61/00	<b>1)INNOVATIVE CREATIONS BUSINESS MODULES</b>
(32) Priority Date	:NA	<b>PVT LTD.</b>
(33) Name of priority country	:NA	Address of Applicant :8, PRABHAT SOCIETY, NEAR
(86) International Application No	:NA	RAVINDRA NATYA MANDIR, PRABHADEVI, MUMBAI-
Filing Date	:NA	400 025, MAHARASHTRA, INDIA.
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)RANDHIR SINGH GAJRAJ</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a spirulina biomass with modified colour characteristic that is spirulina biomass brown in colour with reduced green and blue green pigments without major changes in overall nutritional components. The present invention also provides process for preparing such spirulina biomass with modified colour characteristic.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2343/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :20/08/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : A MOBILE PHONE OPERABLE ELECTRO-MECHANICAL LOCK AND A METHOD THEREOF

(51) International classification	:H04M 1/737; H04M 1/70	(71) <b>Name of Applicant :</b> <b>1)PULIADI, EKNATH RAMKRISHNAMURTI</b> Address of Applicant :UNIT NO. 22, PARADISE, OPP TELEPHONE EXCHANGE, BANER ROAD, PUNE-411 045, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	<b>2)RATNAPARKHI, PRAKASH KRISHNA</b>
(32) Priority Date	:NA	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:NA	<b>1)PULIADI, EKNATH RAMKRISHNAMURTI</b>
(86) International Application No	:NA	<b>2)RATNAPARKHI, PRAKASH KRISHNA</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 mobile phone operable electro-mechanical locking system and method are disclosed. The system includes a mobile phone further including a shared key and an application code and an electro-mechanical lock further comprising an initial paring key including a Bluetooth pairing code and lock identification of said mobile phone and the user and said electro-mechanical lock co-operate for initial registration, opening, and closing of said electro-mechanical lock.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.858/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :26/03/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : AN IMPROVED MOUNTING STRUCTURE FOR SUSPENSION BUSHES IN A RIGID AXLE SUSPENSION SYSTEM

(51) International classification	:B62D 55/15; B62D 21/11	(71)Name of Applicant : <b>1)TATA MOTORS LIMITED</b> Address of Applicant :BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400 001, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)MANDAR HAJARE</b>
(33) Name of priority country	:NA	<b>2)YUVRAJ PATIL</b>
(86) International Application No	:NA	<b>3)SOHEB AHMED</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 :

The mounting structure for suspension bushes in a rigid axle suspension system is provided to bare the multi direction twisting forces exerted at the suspension during vehicle driving. The mounting structure comprises a bottom plate for supporting a rigid axle of said suspension system. A support plate is connected below said bottom plate for mounting with said suspension bushes on a trailing link assembly. An axle mounting plate is provided for connecting with one end of said rigid axle. A spring seat is connected above said bottom plate towards one end and other end connected to the rigid axle to form a box like structure. A pandhard rod bracket is connected to the rigid axle for mounting with an external link and a damper sleeve is provided at both ends of the rigid axle for mounting with a shock absorber.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.118/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :13/01/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : POWER OPERATED JUTE RIBBONING MACHINE

(51) International classification	:D01B1/10	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)INDIAN COUNCIL OF AGRICULTURAL RESEARCH-</b>
(32) Priority Date	:NA	<b>CENTRAL INSTITUTE OF AGRICULTURAL</b>
(33) Name of priority country	:NA	<b>ENGINEERING</b>
(86) International Application No	:NA	Address of Applicant :NABI BAGH, BERASIA ROAD
Filing Date	:NA	BHOPAL - 462038, Madhya Pradesh India
(87) International Publication No	:N/A	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)UDAY R. BADEGAONKAR</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates with the development of a power operated ribboning machine for Jute. The object of invention is removal of ribbon (jute fibre) from green jute stick i.e. freshly harvested jute crop, without retting of jute sticks. The power operated jute ribboner consists of twin-roller assembly, stalk removal roller assembly, jute stick guides with provision for operation of the machine by multiple persons. With the help of this invention, ribbon can be removed from jute plant without retting i.e. without soaking it in water for long time. The jute plant is fed into the machine manually between two fluted rollers to crush its bottom end, twisted simultaneously and the twisted end is further fed between the stick removal rollers assembly. The twin-roller assembly removes the jute ribbon from the jute stick. The stick removal roller assembly discharges the jute stick is at the other end automatically.

No. of Pages : 7 No. of Claims : 5



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/08/2010

(21) Application No.2348/MUM/2010 A

(43) Publication Date : 06/09/2013

(54) Title of the invention : HAEMOSTATIC BIOSPONGE

(51) International classification	:A61L15/28; A61L 31/00	(71) <b>Name of Applicant :</b> <b>1)THORAT; BHASKAR NARAYAN</b> Address of Applicant :CHEMICAL ENGINEERING DEPARTMENT, INSTITUTE OF CHEMICAL TECHNOLOGY (DEEMED UNIVERSITY) NATHALAL PARIKH MARG MATUNGA (EAST) MUMBAI - 400 019 Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	:N/A	<b>1)THORAT; BHASKAR NARAYAN</b>
(61) Patent of Addition to Application Number	:NA	<b>2)CHOKASHI; KALPESH PARIMAL</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to the production of soft, flexible, opaque and highly absorbent haemostatic sponge made from organic materials such as interacting polysaccharides, which are derived from natural resources and polypeptides, from biological organism are described. Disclosed invention uses the synergistic effect of chitosan and gelatin; by making composite BioSponge wound dressing, without use of any toxic cross-linking agent and provides effective means in medical purposes as haemostatic products. BioSponge preparation additionally comprises a foaming agent and a plasticizer. The BioSponge also comprise in combination thereof the traditional wound healing agent Curcumin which release in controlled manner at the site of application. Synergistic property of BioSponge has excellent property to control bleeding (hemorrhage) in critical step in first aid, in field of trauma care and in combat.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.577/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :05/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : AN INTEGRATED PROCESS FOR THE RECOVERY OF METAL CATALYSTS DURING THE MANUFACTURE OF PURIFIED TEREPHTHALIC ACID

(51) International classification :C07B 61/00

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :NA

Filing Date :NA

(87) International Publication No :N/A

(61) Patent of Addition to Application Number :1585/MUM/2011

Filed on :27/05/2011

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)RELIANCE INDUSTRIES LIMITED**

Address of Applicant :RELIANCE INDUSTRIES LTD., 3RD FLOOR, MAKER CHAMBER - IV, 222, NARIMAN POINT, MUMBAI 400 021, MAHARASHTRA, INDIA.

(72)Name of Inventor :

**1)UPPARU PARASU VEERA**

**2)ADURI PAVANKUMAR**

**3)MATHEW THOMAS**

**4)RATNAPARKHI UDAY**

**5)SHARMA ANANTH**

**6)UKIL TAMAGNA**

**7)GHADGE RAJARAM S.**

(57) Abstract :

The present disclosure provides a process for recovering PTA (purified terephthalic acid) oxidation catalysts during the manufacture of PTA, using an acid catalyst containing reaction stream resulting from the hydrolysis of an organic ester.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.580/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :05/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : AN IMPROVED COMMUNICATION SYSTEM IN RTU

(51) International classification

:H04Q  
9/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:N/A

(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)CROMPTON GREAVES LIMITED**

Address of Applicant :CG HOUSE, 6TH FLOOR, DR.ANNIE  
BESANT ROAD, WORLI, MUMBAI-400 030,  
MAHARASHTRA, INDIA.

(72)Name of Inventor :

**1)MALVIYA ASHISH**

(57) Abstract :

An improved communication system adapted to provide communication architecture and protocol between at least an input/output card to at least a master station through at least a slave station, said system comprises: slave data handling means adapted to handle input data from a at least an input / output card, said slave data handling means further comprising at least an Ethernet port and at least a serial port for communication to said at least a master station, said slave data handling means adapted to segregate input data and route it to respective said at least an Ethernet port or respective said at least a serial port in relation to predefined parameters; and at least a first master station adapted to receive data from said slave data handling means through communication determined with said at least an Ethernet port and at least a second master station adapted to receive data from said slave data handling means through communication determined with said at least a serial port.

No. of Pages : 24 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/08/2010

(21) Application No.2370/MUM/2010 A

(43) Publication Date : 06/09/2013

(54) Title of the invention : ANTIDIABETIC LECTINS FROM VIGNA RADIATA AND ITS COMPLEX WITH ZINC

(51) International classification	:A61K38/16; A61K 36/48	(71)Name of Applicant : <b>1)LALIT PRAKASH SALI</b> Address of Applicant :4TH FLOOR, ALMEIDA APARTMENT, UTHALSAR NAKA, J. M. ROAD, THANE (W) - 400 601. Maharashtra India
(31) Priority Document No	:NA	<b>2)MAHESH VASUDEO ABHYANKAR</b>
(32) Priority Date	:NA	<b>3)DR. CHHAYA H. GADGOLI</b>
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)LALIT PRAKASH SALI</b>
Filing Date	:NA	<b>2)MAHESH VASUDEO ABHYANKAR</b>
(87) International Publication No	: NA	<b>3)DR.CHHAYA H. GADGOLI</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 isolation of the lectins from powdered seeds of Vigna radiata by buffer followed by precipitation of the lectins and drying by freeze drying, spray drying and the novel drying method. The lectins were characterized for various biochemical parameters. The lectins were complexed with zinc and its characterization was performed. The lectins alone as well as the lectins complexed with zinc were evaluated for Antidiabetic activity by alloxan induced Wistar rat model.

No. of Pages : 40 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.587/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : AUTONOMOUS COLLABORATION OF VEHICLES

(51) International classification	:G06F 7/00	(71)Name of Applicant : <b>1)TATA CONSULTANCY SERVICES LIMITED</b> Address of Applicant :NIRMAL BUILDING, 9TH FLOOR, NARIMAN POINT, MUMBAI 400021, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)LOBO, SYLVAN</b>
(33) Name of priority country	:NA	<b>2)DOKE, PANKAJ</b>
(86) International Application No	:NA	<b>3)CHITTUR, RAVICHANDER KARTHIK</b>
Filing Date	:NA	<b>4)GORE, KUSHAL</b>
(87) International Publication No	:N/A	<b>5)WARUDKAR, DIPTEE</b>
(61) Patent of Addition to Application Number	:NA	<b>6)IYER, VINAYAK</b>
Filing Date	:NA	<b>7)GOKARN, PRABHATH</b>
(62) Divisional to Application Number	:NA	<b>8)NIGAM, APURV</b>
Filing Date	:NA	<b>9)SUNKA, PRAVEEN</b>
		<b>10)KABRA, PRIYANKA</b>
		<b>11)KIMBAHUNE, SANJAY</b>

(57) Abstract :

The present invention envisages a system and method enabling autonomous detection, interaction and collaboration of vehicles based on certain configurable parameters by establishing links with plurality of vehicles on a social network. Once the network is established, it can assist the vehicle in case of any distressing situation; say mishap, establishing new social relationships, dynamic vehicle pooling or fleet management.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2364/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :24/08/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : KNOWLEDGE SYSTEM

(51) International classification	:G06F3/01; G06F15/16	(71) <b>Name of Applicant :</b> <b>1)TATA CONSULTANCY SERVICES LIMITED</b> Address of Applicant :NIRMAL BUILDING,9TH FLOOR, NARIMAN POINT, MUMBAI-400 021, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)ARUN VENKATARAMAN</b>
(33) Name of priority country	:NA	<b>2)ASHWINI SURYANARAYANA</b>
(86) International Application No	:NA	<b>3)SRINIVASAN ADINARAYANAN</b>
Filing Date	:NA	<b>4)DILEEP RAMAKRISHNA</b>
(87) International Publication No	: NA	<b>5)CYNTHIA NIMIJA</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A computer implemented method for disseminating knowledge comprises generating at least one medium based on information associated with at least one participating user. The participating users can be categorized based on their interaction with the mediums. The participating users can further provide a feedback based on which recommendations for modification of content of the mediums are generated. Based at least on the recommending, the knowledge framework is modified.

No. of Pages : 26 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2365/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :24/08/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : SYSTEM AND METHOD FOR CALIBRATION OF PHASED ARRAY ANTENNA HAVING INTEGRAL CALIBRATION NETWORK IN PRESENCE OF AN INTERFERING BODY

(51) International classification	:H01Q3/26; H01Q3/40	(71) <b>Name of Applicant :</b> <b>1)ELTA SYSTEMS LTD.</b> Address of Applicant :100 YITZCHAK HANASSI BLVD.,P.O.B. 330, ASHDOD 77102, ISRAEL
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)ELAD GOSHEN</b>
Filing Date	:NA	<b>2)YACOV VAGMAN</b>
(87) International Publication No	: NA	<b>3)HAIM REICHMAN</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 for calibrating an antenna comprising a phased array of antenna elements connected to a plurality of transceivers, the method comprising providing an RF source located close to the antenna and synchronized with the transceivers. determining, per antenna element, a calibration ratio adapted to accommodate for presence of at least one interfering structure electromagnetically interfering with a signal transmitted from the RF source and received by the antenna, wherein the determining includes generating simulated far field and near field signals so as to simulate a signal transmitted by an RF source located at infinity and located near the RF source respectively, internally injecting an internal signal into the antenna via an internal injection network, using the RF source to externally inject an external signal into the antenna; and. for each individual antenna element, computing said calibration ratio by combining information characterizing the internal and external signals as received by the individual antenna element with a correction factor characterizing the simulated far field and near field signals; and calibrating the antenna using the per-antenna element calibration ratios adapted to accommodate for presence of at least one interfering structure.

No. of Pages : 51 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.584/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :05/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : LIGHT EMITTING UTILITY DEVICES

(51) International classification	:F21S 8/00	(71) <b>Name of Applicant :</b> <b>1)Ashish R. Sadiya</b>
(31) Priority Document No	:NA	Address of Applicant :Vill - Odadar Near Gorakhnath
(32) Priority Date	:NA	Temple Tehsil and Dist: Porbandar Gujarat 360576
(33) Name of priority country	:NA	MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)Ashish R. Sadiya</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 light emitting utility device (100) such as a key that enables the users to use them efficiently and comfortably in low light or absence of light comprising a key hold being the upper part of the key (11) enclosing light emitting circuitry and a key insert being the lower part of the key (10) that enters the keyhole.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2048/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :16/07/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : PROCESS FOR PREPARATION OF DRONEDARONE

(51) International classification	:C07D307/00; C07D307/80	(71) <b>Name of Applicant :</b> <b>1)GLENMARK GENERICS LIMITED,</b> Address of Applicant :GLENMARK HOUSE,HDO CORPORATE BLDG, WING-A,B.D.SAWANT MARG, CHAKALA,ANDHERI (E), MUMBAI-400 099, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)SACHIN SRIVASTAVA</b>
(61) Patent of Addition to Application Number	:NA	<b>2)ANTHONY MELVIN CRASTO</b>
Filing Date	:NA	<b>3)MILIND GHARPURE</b>
(62) Divisional to Application Number	:NA	<b>4)DINESH BANSILAL DEORE</b>
Filing Date	:NA	<b>5)SURESH BABU NARAYANAN</b>

(57) Abstract :

The present invention provides a process for the preparation of dronedarone and pharmaceutically acceptable salts thereof. The present invention further provides a novel amorphous form of dronedarone hydrochloride, and a process for its preparation.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.594/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : A PRESSURE EXERTING JACK

(51) International classification	:B66F 3/00	(71)Name of Applicant : <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)Name of Inventor :
(86) International Application No	:NA	<b>1)CHANDRASHEKHAR KATE</b>
Filing Date	:NA	<b>2)SIDDARTH RAKHRA</b>
(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 pressure exerting jack comprising a press plate (1), a jack plate (2) held over the press plate (1) in a spaced apart relationship therewith by means of spacer studs, a top surface of the jack plate (2) comprising a plurality of spaced apart concentric endless stiffeners (3) and a plurality of spaced apart radial stiffeners (4) each extending from a center of the jack plate (2) to an outer edge of the jack plate (2) through the endless stiffeners (3), and a cover plate (5) smaller than the jack plate (2) held over the jack plate (2) and supported on the radial (4) and circular (3) stiffeners.

No. of Pages : 11 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.553/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :01/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : FLOW FIELD FOR FUEL CELLS

(51) International classification	:H01M	(71)Name of Applicant :
(31) Priority Document No	8/02	<b>1)Indian Institute of Technology Bombay</b>
(32) Priority Date	:NA	Address of Applicant :Powai Mumbai 400076
(33) Name of priority country	:NA	MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)Prakash Chandra Ghosh</b>
(87) International Publication No	: NA	<b>2)Tapobrata Dey</b>
(61) Patent of Addition to Application Number	:NA	<b>3)Debanand Singdeo</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A fuel cell having a membrane electrode assembly with an anode side and a cathode side an anode flow field with plurality of anode flow field channels and a cathode flow field having plurality of cathode flow field channels. The anode flow field is configured to provide equal flow of the fuel gases through each of said plurality of anode flow field channels to supply fuel gases to the anode side of a membrane electrode assembly. Further the cathode flow field is configured to provide equal flow of the oxidant gases through each of said plurality of cathode flow field channels to supply oxidant gases to the cathode side of the membrane electrode assembly.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.608/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : A COLLABORATIVE SYSTEM AND METHOD TO MINE INVENTIONS

(51) International classification	:G06F 17/30	(71)Name of Applicant : <b>1)Tata Consultancy Services Limited</b>
(31) Priority Document No	:NA	Address of Applicant :Nirmal Building 9th Floor Nariman
(32) Priority Date	:NA	Point Mumbai 400021 Maharashtra India.
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)Santosh Kumar Mohanty</b>
Filing Date	:NA	<b>2)Shampa Sarkar</b>
(87) International Publication No	: NA	<b>3)Jyothi Viswanathan</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 method and computer program product for Collaborative Invention Mining (CIM) is described herein comprising focused segmentation and articulation of an ideation object through a comprehensive 48-cell Idea Detailing Tree (IDT) module and systematically validating and maturing it iteratively towards patentable invention. The IDT is designed based on weighted Category Area and Characteristic dimensions to widening scope lengthening coverage and deepening sustenance capabilities of ideation object respectively. The Collaboration workflow is designed on contextual SFNC (Storm-Form-Norm-Compose) hierarchical maturity stages each of which further operates ETVX (Entry-Task-Validate-Exit) sequence to mature ideation object efficiently on a fast track mode to maximize stakeholders™ benefits with efficient use of resources. Scoring of the IDT matrix further evaluates and positions the ideation object by cell-pattern identification dominance determination and Invention Mining Performance measure. A computer implemented system supporting the CIM process integrates with invention management system for administration portfolio analysis and valuation.

No. of Pages : 52 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2397/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :27/08/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : PURIFICATION OF WATER

(51) International classification	:C02F1/00; C02F1/28	(71) <b>Name of Applicant :</b> <b>1)TATA CONSULTANCY SERVICES LIMITED</b> Address of Applicant :NIRMAL BUILDING, 9TH FLOOR, NARIMAN POINT, MUMBAI 400021, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)SHANKAR BALAJIRAO KAUSLEY</b>
(87) International Publication No	: NA	<b>2)RAJSHREE AMRUT PATIL</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The subject matter described herein relates to purification of water. In one implementation, a disinfectant treated porous media (118) is provided for purification of water. The disinfectant treated porous media (118) includes at least one porous media treated with a disinfectant. Further, the at least one porous media further includes rice husk ash (RHA) and clay.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/03/2012

(21) Application No.597/MUM/2012 A

(43) Publication Date : 06/09/2013

(54) Title of the invention : PELLETS OF HERBAL EXTRACTS AND PROCESS FOR PREPARING THE SAME

(51) International classification :A61K 9/28

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :NA

Filing Date :NA

(87) International Publication No :N/A

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :1514/MUM/2006

Filed on :21/09/2006

(71)Name of Applicant :

**1)UNIJULES LIFE SCIENCES LTD.**

Address of Applicant :1505/1, UNIVERSAL SQUARE,  
SHANTINAGAR, NAGPUR, PIN - 440 002, MAHARASHTRA,  
INDIA.

(72)Name of Inventor :

**1)DAUD ANWAR SIRAJ**

**2)SHAMSUDDIN JAMALUDDIN**

**3)VALI FAIZ ZAKIR**

**4)HUSSAIN SHAKERA**

**5)VALI MOHAMMED SALEH**

(57) Abstract :

Described is novel oral dosage form for administration of an extract of (i) Boswellia serrata Roxb. ex Colebr., preferably taken, as percentage of total final composition, in a range of about 5 to 50%, more preferably to about 26%, (ii) Vitex negundo Linn, preferably taken, as percentage of total final composition, in a range of about 0.5 to 25% about 3% %, (iii) Tinospora cordifolia (Willd.) Miers ex. Hook, f & Thorns, preferably taken, as percentage of total final composition, in a range of about 0.1 to 20%, more preferably to about 1.7%, and (iv) Curcuma longa Linn, preferably taken, as percentage of total final composition, in a range of 0.1% to 15%, more preferably to 2.6%; and a process for preparing the same.

No. of Pages : 44 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2373/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :25/08/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : PROCESSES FOR THE PREPARATION OF FESOTERODINE

(51) International classification	:C07C219/30; C07C227/34	(71) <b>Name of Applicant :</b> <b>1)CADILA HEALTHCARE LIMITED</b> Address of Applicant :ZYDUS TOWER, SATELLITE CROSS ROAD, AHMEDABAD-380 015, Gujarat India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)DWIVEDI, SHRIPRAKASH DHAR</b>
(33) Name of priority country	:NA	<b>2)PRASAD ASHOK</b>
(86) International Application No	:NA	<b>3)JAIN KULDEEP NATWARLAL</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 :

The invention relates to improved process for the preparation of fesoterodine and its pharmaceutically acceptable salt, specifically fesoterodine fumarate of formula (1). The invention relates to solid state forms of a novel salt of fesoterodine and process for the preparation thereof. The invention also relates to highly pure fesoterodine fumarate substantially free of impurity X at RRT 1.37. The invention also provide solid particles of pure fesoterodine fumarate wherein 90 volume-percent of the particles (D90) have a size of higher than 200 microns.

No. of Pages : 50 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2374/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :25/08/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : PITAVASTATIN CALCIUM AND PROCESS FOR ITS PREPARATION

(51) International classification	:C07D215/14
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
**1)CADILA HEALTHCARE LIMITED**  
Address of Applicant :ZYDUS TOWER, SATELLITE  
CROSS ROAD, AHMEDABAD-380 015, Gujarat India  
(72)**Name of Inventor :**  
**1)DWIVEDI, SHRIPRAKASH DHAR**  
**2)PATEL, DHIMANT JASUBHAI**  
**3)SHAH, ALPESH PRAVINCHANDRA**

(57) Abstract :

The invention provides the process for the preparation of pitavastatin and its pharmaceutically acceptable salts thereof. In particular, the invention provides a process for the preparation of stable pitavastatin calcium in crystalline form having water content less than 5% wt/wt. The present invention also provides stable crystalline form of pitavastatin calcium substantially free from crystal Form-A and use thereof for pharmaceutical compositions.

No. of Pages : 34 No. of Claims : 32



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2375/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :25/08/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : POLYMORPHIC FORM OF IV ABRADINE HYDROCHLORIDE AND PROCESS FOR PREPARATION THEREOF

(51) International classification	:C07D223/16
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
**1)CADILA HEALTHCARE LIMITED**  
Address of Applicant :ZYDUS TOWER, SATELLITE  
CROSS ROAD, AHMEDABAD-380 015, Gujarat India  
(72)**Name of Inventor :**  
**1)DWIVEDI, SHRIPRAKASH DHAR**  
**2)PRASAD, ASHOK**  
**3)PATEL,MAHESH SHANKARBHAI**  
**4)SHARMA, PIYUSH RAJENDRA**

(57) Abstract :

The present invention discloses Crystalline Form Zeta  $\zeta$  of ivabradine hydrochloride and process for its preparation..

No. of Pages : 21 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2377/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :25/08/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : A NOVEL PROCESS FOR PREPARING MACROCYCLIC AND MACROCYCLIC AROMATIC COMPOUNDS

(51) International classification	:C07C 33/00; C07D 319/22	(71)Name of Applicant : <b>1)M.M.V.RAMANA</b> Address of Applicant :DEPT. OF CHEMISTRY, UNIVERSITY OF MUMBAI, SANTACRUZ (E), MUMBAI - 98. Maharashtra India
(31) Priority Document No	:NA	<b>2)SHRIMANT V. RATHOD</b>
(32) Priority Date	:NA	<b>3)M.S. RAJE,</b>
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)M.M.V. RAMANA</b>
Filing Date	:NA	<b>2)SHRIMANT V. RATHOD</b>
(87) International Publication No	: NA	<b>3)M.S. RAJE,</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 a novel process for preparing 5,6,8,9,15,16,18,19-octahydrobenzo[1.4a:10.14a] cyclohexadeca-7,10,17,20-tetraone(I), 2,12,-dimethyl-5,6,8,9,15,16,18,19-octahydrodibenzo [1.4a:10.14a] cyclohexadeca-7,10,17,20-tetraone(II), 2,3,12,13-Tetramethyl-5,6,8,9,15,16,18,19-octahydrodibenzo [1.4a:10.14a] cyclohexadeca-7,10,17,20- tetraone(III), 4,14-dichloro-5,6,8,9,15,16,18,19- octahydrodibenzo [1.4a:10.14a] cyclohexadeca-7,10,17,20- tetraone (IV) and 3,13-diisopropyl-5,6,8,9,15,16,18,19-octahydrodibenzo [1.4a:10.14a] cyclohexadeca -7,10,17,20-tetraone formula V, VI, VII, VIII

No. of Pages : 19 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3538/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :24/12/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : CURCUMIN MONOSULPHATE, ITS SALTS, PROCESS FOR SYNTHESIS THEREOF AND TREATMENT OF CANCER

(51) International classification	:A61K31/12; A61K 36/23
(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)AVANCE PHYTOTHERAPIES PVT. LTD.**  
Address of Applicant :204 Circle-P Building Prahladnagar  
S.G.Highway Ahmedabad - 380054 Gujarat India  
(72)**Name of Inventor :**  
**1)Ratnam Shivprakash**  
**2)Verma Monika**  
**3)Shah Karishma**

(57) Abstract :

The present invention discloses curcumin monosulphate and its salts for treatment of cancer. The present invention also discloses the process for synthesis of curcumin monosulphate and its salts. Curcumin monosulphate and its salts have anticancer property which is effective against liver and colorectal cancer. The present invention deals with an anticancer formulation for curcumin monosulphate and its salts.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/03/2012

(21) Application No.602/MUM/2012 A

(43) Publication Date : 06/09/2013

(54) Title of the invention : PELLETS OF HERBAL EXTRACTS AND PROCESS FOR PREPARING THE SAME.

(51) International classification :A61K 9/28

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :NA

Filing Date :NA

(87) International Publication No :N/A

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :1514/MUM/2006

Filed on :21/09/2006

(71)Name of Applicant :

**1)UNIJULES LIFE SCIENCES LTD.**

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(72)Name of Inventor :

**1)DAUD ANWAR SIRAJ**

**2)SHAMSUDDIN JAMALUDDIN**

**3)VALI FAIZ ZAKIR**

**4)HUSSAIN SHAKERA**

**5)VALI MOHAMMED SALEH**

(57) Abstract :

Described is novel oral dosage form for administration of an extract of (i) *Asparagus racemosus* Willd. extract preferably taken as percentage of total final composition in the range of 0.5% to 15% more preferably to 3.4%, (ii) *Allium sativum* Linn, extract preferably taken as percentage of total final composition in the range of 0.1% to 5% more preferably to 0.53%, (iii) *Euphorbia hirta* Linn, extract preferably taken as percentage of total final composition in the range of 0.1% to 10% more preferably to 1.06%, (iv) *Pueraria tuberosa* DC. extract preferably taken as percentage of total final composition in the range of 0.2% to 20% more preferably to 2.8%. (v) *Trigonella foenum-graecum* Linn, extract preferably taken as percentage of total final composition in the range of 0.2% to 15% more preferably to 2.8%, (vi) *Withania somnifera* Dunal. extract preferably taken as percentage of total final composition in the range of 0.1% to 10% more preferably to 0.68%, and (vii) the extract of *Leptadenia raticulata* Wight and Am. is taken at about 3.4%; and a process for preparing the same.

No. of Pages : 44 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/03/2012

(21) Application No.603/MUM/2012 A

(43) Publication Date : 06/09/2013

(54) Title of the invention : PELLETS OF HERBAL EXTRACTS AND PROCESS FOR PREPARING THE SAME

(51) International classification :A61K 9/28

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :NA

Filing Date :NA

(87) International Publication No :N/A

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :1514/MUM/2006

Filed on :21/09/2006

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Address of Applicant :1505/1, UNIVERSAL SQUARE,  
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INDIA.

(72)Name of Inventor :

**1)DAUD ANWAR SIRAJ**

**2)SHAMSUDDIN JAMALUDDIN**

**3)VALI FAIZ ZAKIR**

**4)HUSSAIN SHAKERA**

**5)VALI MOHAMMED SALEH**

(57) Abstract :

Described is novel oral dosage form for administration of an extract of (i) Boerhavia diffusa Linn, extract preferably taken as percentage of total final composition in the range of 2% to 20% more preferably to 9.16%, and (v) Tribulus terrestris Linn, extract preferably taken as percentage of total final composition in the range of 1% to 15% more preferably to 4.6%; and a process for preparing the same.

No. of Pages : 43 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2103/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : PROCESS FOR SYNTHESIS OF TB DOPED ZNO NANOPARTICLES FOR TOTAL CONTROL OVER THE UV TO GREEN LUMINESCENCE (GL) INTENSITY RATIO AND THE TUNABILITY OF UV LUMINESCENCE (UVL)'

(51) International classification	:C01G9/02; C09K11/77	(71)Name of Applicant : <b>1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY</b> Address of Applicant :INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY,POWAI, MUMBAI 400 076, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)DHAR ; SUBHABRATA</b>
(87) International Publication No	: NA	<b>2)SINGH ; BHANU PRATAP</b>
(61) Patent of Addition to Application Number	:NA	<b>3)KUNDU ; TAPANENDU</b>
Filing Date	:NA	<b>4)CHOWDHURY ; ARINDAM</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Process for synthesis of Tb doped ZnO nanoparticles for total control over the UV to green luminescence intensity ratio and the tunability of UV luminescence A process for preparing Tb doped ZnO nanoparticles wherein the molar ratio of  $Zn(CH_3COO)_2 \cdot 2H_2O$  and  $Tb(CH_3COO)_3 \cdot xH_2O$  is adapted to control the UV to green luminescence intensity ratio and the tunability of UV luminescence energy of the finally obtained Tb doped ZnO nanoparticles.

No. of Pages : 28 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.554/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :01/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : A METHOD AND SYSTEM FOR EFFICIENT REAL TIME THERMAL MANAGEMENT OF A DATA CENTER

(51) International classification :G06F 1/32

(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 :N/A

(61) Patent of Addition to Application Number :465/MUM/2012

Filed on :01/01/1900

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)TATA CONSULTANCY SERVICES LIMITED**

Address of Applicant :NIRMAL BUILDING, 9TH FLOOR,  
NARIMAN POINT, MUMBAI 400021, MAHARASHTRA,  
INDIA.

(72)Name of Inventor :

**1)BHAGWAT, HARSHAD**

**2)SINGH, AMARENDRA K**

**3)D, SANKARA NARAYANAN**

**4)JAYAPRAKASH, RAJESH**

**5)SIVASUBRAMANIAM, ANAND**

(57) Abstract :

A method and system is provided for efficient real time thermal management of a data center using a fast thermal model and an optimizer. Particularly, the invention provides a method and system for real time monitoring of various operational parameters of the data center for finding potential thermal problem in the data center and mitigating the thermal problem and improving cooling efficiency of the data center by generating optimum and precise operational recommendations using the fast thermal model and the optimizer.

No. of Pages : 27 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.555/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :01/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : A TRANSFORMER WITH IMPROVED KEY SPACER ELEMENT ARRANGEMENT.

(51) International classification	:H01F 27/32	(71)Name of Applicant : <b>1)CROMPTON GREAVES LIMITED</b>
(31) Priority Document No	:NA	Address of Applicant :CG HOUSE, 6TH FLOOR, DR.ANNIE
(32) Priority Date	:NA	BESANT ROAD, WORLI, MUMBAI-400 030,
(33) Name of priority country	:NA	MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)PARAMANE SACHIN</b>
(87) International Publication No	:N/A	<b>2)JOSHI KISHOR</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A transformer with improved key spacer element arrangement, each key spacer element being disposed between two adjacent disc stacks, said arrangement comprising: first stack of key spacer elements adapted to be collinear with respect to each other in a stacked form; and second stack of key spacer elements adapted to be collinear with respect to each other in a stacked form, characterized in that, said first stack being linearly axially or angularly displaced with respect to said second stack, thereby providing corresponding axially displaced paths for cooling by oil.

No. of Pages : 17 No. of Claims : 3



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/03/2012

(21) Application No.556/MUM/2012 A

(43) Publication Date : 06/09/2013

(54) Title of the invention : A SYSTEM AND METHOD OF PRESS-OUT AND PRESS-IN OF WOUND PACK FROM OR IN A STATOR BODY IN CONTINUOUS SEQUENCE

(51) International classification	:H02K	(71)Name of Applicant :
	3/34	<b>1)CROMPTON GREAVES LIMITED</b>
(31) Priority Document No	:NA	Address of Applicant :CG HOUSE, 6TH FLOOR, DR.
(32) Priority Date	:NA	ANNIE BESANT ROAD, WORLI, MUMBAI-400 030,
(33) Name of priority country	:NA	MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)SHINDE SHRIDHAR BHIVAJI</b>
(87) International Publication No	:N/A	<b>2)THOKAL VITHHAL JAGANNATH</b>
(61) Patent of Addition to Application Number	:NA	<b>3)KOTHEKAR ANAND ASHOK</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method of press-out of a wound pack from a first stator case and of press-in into a second stator case, in a continuous sequence, said method comprises the steps of: first step of installing said first stator case on a hydraulic press base plate, said first stator case, said base plate involving a hydraulically operating cam shaft adapted to be co-axial with said installed first stator case; second step of installing said second stator case, having a wound pack that is to be pressed out, on said first stator case; third step of raising said cam shaft, from said base plate to a desired height such that it is enveloped, coaxially, by said first stator case and said second stator case; fourth step of using a cup to press said wound pack from said second stator case to said first stator case in an operative downward direction; fifth step of inserting said cup into said cam shaft; sixth step of locating at least a spacer element on said cam shaft, said spacer element being locked on to said cam shaft locking plate; seventh step of bringing out lead wires from the operative bottom of said first stator case and holding said lead wires, while the cam shaft arm is being lowered; eighth step of lowering said cam shaft.

No. of Pages : 19 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2395/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :27/08/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : PURE INTERMEDIATE

(51) International classification	:C07D249/08; C07D213/57
(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)MYLAN INDIA PRIVATE LIMITED**

Address of Applicant :PLOT 1A/2, M.I.D.C. INDUSTRIAL  
ESTATE, TALOJA,PANVEL, DISTRICT RAIGAD, 410208,  
MAHARASHTRA, INDIA.

(72)Name of Inventor :

**1)GORE, VINAYAK, G**

**2)SHUKLA, VINAYKUMAR**

**3)MEKDE, SANDEEP**

**4)HASBE, SURESH**

**5)BHANDARI, SHREYAS**

**6)SHINDE DHANANJAY**

**7)PATIL, MADHUKAR**

(57) Abstract :

An acid addition salt

No. of Pages : 34 No. of Claims : 52

(12) PATENT APPLICATION PUBLICATION

(21) Application No.275/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :03/02/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : METHOD AND SYSTEM FOR PERFORMING MULTI COLOR SCREEN-PRINTING ON METALLIC SPIN ON FILTER

(51) International classification	:B41F 15/00; B41F 15/04	(71) <b>Name of Applicant :</b> <b>1)FLEETGUARD FILTERS PVT.LTD</b> Address of Applicant : 'KIRLOSKAR HOUSE', 100 ANAND PARK, AUNDH,PUNE-411 007. Maharashtra India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)NITIN APTE</b>
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system and method for performing multi-color screen-printing on exterior surfaces of metallic spin on filter are disclosed. The system includes a pair of screen holding elements, a pair of positioning fixtures, a holding device, a powering device, and a shaft. The pair of positioning fixtures facilitates accurate positioning of the metallic spin on filter in an operative configuration therebetween. Also, the pair of positioning fixtures facilitates rotational movement of the metallic spin on filter. The metallic spin on filter includes a nut plate having a dimple provided thereon for providing rigid reference for registration. The holding device holds the metallic spin on filter in the operative configuration. The shaft is coupled to the powering device and includes a fixed pin. The fixed pin butts against the dimple of the nut plate for indicating that correct position of the metallic spin on filter with respect to the printing screen has been reached for facilitating starting of a printing cycle.

No. of Pages : 25 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.320/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :08/02/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : NOVEL ACID REGULATED MODIFIED RELEASE FORMULATION

(51) International classification	:A61K31/00; A61K9/00	(71)Name of Applicant : <b>1)GETZ PHARMA RESEARCH</b> Address of Applicant :B/520, NAND DHAM, SECTOR 11 CBD BELAPUR, NAVI MUMBAI 400 614 Maharashtra India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)PATIL, ATUL</b>
(33) Name of priority country	:NA	<b>2)KADAM, ANIL</b>
(86) International Application No	:NA	<b>3)KRISHNAN, ANANDI</b>
Filing Date	:NA	<b>4)MOHAN, V.</b>
(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 :

Provided is a controlled delivery of one or more pharmaceutically active agent with sustained or extended release profile regulated by the release of tartaric acid from a dosage form. The release of tartaric is regulated or modified by a coating layer containing hydrophilic or hydrophobic polymer.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.166/MUMNP/2011 A

(19) INDIA

(22) Date of filing of Application :28/01/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : USE OF PLANT-DERIVED RECOMBINANT GROWTH FACTORS IN SKIN CARE

(51) International classification :A61K8/64,A61Q19/08,A61Q19/00  
(31) Priority Document No :8741  
(32) Priority Date :30/06/2008  
(33) Name of priority country :Israel  
(86) International Application No :PCT/IS2009/000003  
Filing Date :30/06/2009  
(87) International Publication No :WO 2010/001417 A2  
(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)ORF LIFTAEKNI HF**  
Address of Applicant :VIKURHVARF 3 IS-203  
KOPAVAGUR, ISRAEL  
(72)Name of Inventor :  
**1)ORVAR, BJORN LARUS**  
**2)MANTYLA, EINAR**

(57) Abstract :

Cosmetic and therapeutic compositions for skin care, containing a transgenic plant extract containing a growth factor, or a growth factor purified from transgenic plants, or a mixture of growth factors derived from transgenic plants as extracts or in purified form, for use in topical therapeutic and/or cosmetic applications. Importantly, this invention makes safer growth factors available for use for cosmetic and topical treatment. These growth factors do not carry the risk of unwanted contaminants and transmissible agents that can result from animals or animal cell based expression systems, and the recombinant growth factors that plant expression systems provide are post-translationally modified proteins.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7/MUMNP/2011 A

(19) INDIA

(22) Date of filing of Application :03/01/2011

(43) Publication Date : 06/09/2013

(54) Title of the invention : IONIC LIQUID ELECTROLYTES COMPRISING AN ANIONIC SURFACTANT AND ELECTROCHEMICAL DEVICES SUCH AS ACCUMULATORS COMPRISING THEM

(51) International classification	:H01M10/0567
(31) Priority Document No	:0854743
(32) Priority Date	:11/07/2008
(33) Name of priority country	:France
(86) International Application No	:PCT/EP2009/058775
Filing Date	:09/07/2009
(87) International Publication No	:WO2010/004012A1
(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)COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES**  
Address of Applicant :25, RUE LEBLANC, BATIMENT LE PONANT D F-75015 PARIS, FRANCE  
**2)CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE**  
(72)Name of Inventor :  
**1)GIROUD, NELLY**  
**2)CHAINET, ERIC**  
**3)ROUAULT, HELENE**

(57) Abstract :

The invention relates to a ionic liquid electrolyte comprising at least one ionic liquid of formula C+A- wherein C· represents a cation and A-represents an anion, and at least one conducting salt, characterized in that it further comprises at least one anionic surfactant. An electrotechnical system and electrochemical accumulator, battery, in particular a lithium accumulator such as a button battery cell, comprising this electrolyte.

No. of Pages : 45 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.600/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : PELLETS OF HERBAL EXTRACTS AND PROCESS FOR PREPARING THE SAME.

(51) International classification :A61K 9/28

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :NA

Filing Date :NA

(87) International Publication No :N/A

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :1514/MUM/2006

Filed on :21/09/2006

(71)Name of Applicant :

**1)UNIJULES LIFE SCIENCES LTD.**

Address of Applicant :1505/1, UNIVERSAL SQUARE,  
SHANTINAGAR, NAGPUR, PIN - 440 002, MAHARASHTRA,  
INDIA.

(72)Name of Inventor :

**1)DAUD ANWAR SIRAJ**

**2)SHAMSUDDIN JAMALUDDIN**

**3)VALI FAIZ ZAKIR**

**4)HUSSAIN SHAKERA**

**5)VALI MOHAMMED SALEH**

(57) Abstract :

Described is novel oral dosage form for administration of an extract of (i) Holarrhena antidysenterica (Roth) A. DC. extract preferably taken as percentage of total final composition in the range of 2% to 20% more preferably to 9.6%, and (ii) Euphorbia hirta Linn, extract preferably taken as percentage of total final composition in the range of 0.2% to 10% more preferably to 2.64%; and a process for preparing the same.

No. of Pages : 43 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2388/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :26/08/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : IMPROVEMENTS IN THE METHOD FOR THE TREATMENT OR PROPHYLAXIS OF THROMBOSIS OR EMBOLISM

(51) International classification :A61K31/616;  
A61K31/519; A61K31/4709  
(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)IPCA LABORATORIES LIMITED**

Address of Applicant :48, KANDIVLI INDUSTRIAL  
ESTATE, CHARKOP, KANDIVALI (WEST), MUMBAI - 400  
067, MAHARASHTRA, INDIA.

(72)Name of Inventor :

**1)KUMAR, ASHOK**

**2)NELLITHANATH , THANKACHEN BYJU**

(57) Abstract :

The present invention relates to a method of ameliorating the drawbacks of anti-platelet drug named Clopidogrel. The method of the present invention comprises administration of an oxo-metabolite of clopidogrel or its derivative of the formula II in its free or pharmaceutically acceptable salt form for alleviating the symptoms of thrombosis or embolism by inhibiting blood platelet aggregation

No. of Pages : 27 No. of Claims : 30



(12) PATENT APPLICATION PUBLICATION

(21) Application No.604/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : PELLETS OF HERBAL EXTRACTS AND PROCESS FOR PREPARING THE SAME.

(51) International classification :A61K 9/28

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :NA

Filing Date :NA

(87) International Publication No :N/A

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :1514/MUM/2006

Filed on :21/09/2006

(71)Name of Applicant :

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Address of Applicant :1505/1, UNIVERSAL SQUARE,  
SHANTINAGAR, NAGPUR, PIN - 440 002, MAHARASHTRA,  
INDIA.

(72)Name of Inventor :

**1)DAUD ANWAR SIRAJ**

**2)SHAMSUDDIN JAMALUDDIN**

**3)VALI FAIZ ZAKIR**

**4)HUSSAIN SHAKERA**

**5)VALI MOHAMMED SALEH**

(57) Abstract :

Described is novel oral dosage form for administration of an extract of (i) Tribulus terrestris Linn, extract preferably taken as percentage of total final composition in the range of 0.1% to 10% more preferably to 1.6%, and (ii) Mucuna prureins Baker, extract preferably taken as percentage of total final composition in the range of 0.2% to 20% more preferably to 2.64%; and a process for preparing the same.

No. of Pages : 43 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.605/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : PELLETS OF HERBAL EXTRACTS AND PROCESS FOR PREPARING THE SAME.

(51) International classification :A61K 9/28

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :NA

Filing Date :NA

(87) International Publication No :N/A

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :1514/MUM/2006

Filed on :21/09/2006

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Address of Applicant :1505/1, UNIVERSAL SQUARE,  
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INDIA.

(72)Name of Inventor :

**1)DAUD ANWAR SIRAJ**

**2)SHAMSUDDIN JAMALUDDIN**

**3)VALI FAIZ ZAKIR**

**4)HUSSAIN SHAKERA**

**5)VALI MOHAMMED SALEH**

(57) Abstract :

Described is novel oral dosage form for administration of one or more of an extract of (i) An extract of Tribulus terrestris Linn, extract preferably taken as percentage of total final composition in the range of 5% to 30% more preferably to 21.25%, and (ii) Terminalia arjuna W. and A. extract preferably taken as percentage of total final composition in the range of 15% to 70% more preferably to 42.5%; and a process for preparing the same.

No. of Pages : 43 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.558/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :01/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : SYSTEM AND METHOD FOR LOOKING AN UNRESERVED TRAVEL TICKET THROUGH A MOBILE DEVICE

(51) International classification	:G06F 17/60	(71) <b>Name of Applicant :</b> <b>1)SESHAIL V. KAMANNA</b>
(31) Priority Document No	:NA	Address of Applicant :FLAT - 102, PLOT - 138/139,
(32) Priority Date	:NA	MARVEL, SECTOR -50(E), SEAWOODS, NERUL, NAVI
(33) Name of priority country	:NA	MUMBAI - 400706 Maharashtra India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)SESHAIL V. KAMANNA</b>
(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 :

Provided herein is process for allowing mobile users to obtain an unreserved travel ticket during their travel (hereafter referred as Traveller or 'Travellers'). In an embodiment, Traveller request for requests issue of an unreserved ticket to Travel Service Provider 101. Once this request is received by the Travel Service Provider 101, he would forward the billing request to the necessary Mobile Carrier 102. Mobile Carrier would identify the circle 103 of the mobile user and confirm back to the Travel Service Provider 101. Travel Service Provider 101 would issue a ticket. The journey end point could be identified based on the time delay encountered in a particular circle 103 or based on a request received from the Traveller. At the end of the journey, the Traveller is informed about the travel fare charges. The travel fare charge is debited from the mobile users account. At the same time, the Mobile Carrier 102 would credit the amount to the Travel Service Provider 101 after debiting the applicable service charge.

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4538/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/05/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : DEVICE FOR DOSING GROUND COFFEE AND MACHINE COMPRISING SUCH DEVICE

(51) International classification	:A47J31/42
(31) Priority Document No	:FI2009A000256
(32) Priority Date	:11/12/2009
(33) Name of priority country	:Italy
(86) International Application No	:PCT/IB2010/055619
Filing Date	:07/12/2010
(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)KONINKLIJKE PHILIPS ELECTRONICS N.V.**  
Address of Applicant :GROENEWOUDSEWEG 1  
EINDHOVEN 5621 BA NETHERLANDS  
(72)**Name of Inventor :**  
**1)RIGHETTI Marco**

(57) Abstract :

The dosing device comprises: a coffee grinder (5) for making coffee powder from coffee beans; a motor (9) for actuating the coffee grinder (5); a dosing chamber (21) wherein the coffee powder produced by said coffee grinder (5) is discharged, said dosing chamber being at least partly delimited by a first wall (33), which may be opened on command for discharging the coffee powder from the dosing chamber, and by a second wall (31), mobile by the effect of a volume variation of the coffee powder in said dosing chamber (21); an actuator (37) for controlling an opening movement of said first wall (33); an electronic control device (59) that based on the position of the second wall, causes the stop of the actuating motor (9) of the coffee grinder and the actuation of said actuator (37) for controlling the opening movement of said first wall and the discharge of the coffee powder from the dosing chamber. The second wall (31) is associated to a detection system (45) of a plurality of dosing positions of the second wall. The opening of the first wall (33) is set through the electronic control device (50), in connection with the detection system (45) and with the actuator (37), when the second wall (31) has reached one of the above dosing positions.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4539/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/05/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : GENERATING A 3D VIDEO SIGNAL

(51) International classification	:H04N13/00
(31) Priority Document No	:09179019.6
(32) Priority Date	:14/12/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/IB2010/055730
Filing Date	:10/12/2010
(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)KONINKLIJKE PHILIPS ELECTRONICS N.V.**  
Address of Applicant :GROENEWOUDSEWEG 1  
EINDHOVEN 5621 BA NETHERLANDS  
(72)**Name of Inventor :**  
**1)NEWTON Philip Steven**  
**2)DE HAAN Wiebe**  
**3)BOLIO Dennis Daniel Robert Jozef**

(57) Abstract :

The invention relates to a method for generating a three-dimensional (3D) video signal to enable simultaneous display of a 3D primary video signal and a secondary video signal on a 3D display the 3D primary video signal comprising a base video signal and a subsidiary signal enabling 3D display and the method comprising the steps of providing as the secondary video signal a two-dimension (2D) secondary video signal and formatting the base video signal the subsidiary signal and the 2D secondary video signal to generate the 3D video signal.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4540/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/05/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : A DEVICE FOR TRIMMING HAIR

(51) International classification	:B26B19/06
(31) Priority Document No	:09178999.0
(32) Priority Date	:14/12/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/IB2010/055666
Filing Date	:08/12/2010
(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)KONINKLIJKE PHILIPS ELECTRONICS N.V.**  
Address of Applicant :GROENEWOUDSEWEG 1  
EINDHOVEN 5621 BA NETHERLANDS  
(72)**Name of Inventor :**  
**1)WEVERS. Dirk Hendrik**  
**2)VAN DER WORP Hendrik Jan Mark**  
**3)TIJSSEN Reinier Alexander**

(57) Abstract :

A device for trimming hair comprising a housing (3) and a head portion (9) with a cutting blade assembly (10) wherein the head portion (9) is rotatably mounted to the housing (3) and a comb attachment (20) is releasably attachable to the device to extend over the cutting blade assembly (10) the device further comprising a locking means (30 50) configured to fixedly engage the head portion (9) with the housing (3) when a comb attachment (20) is detached from the device such that the head portion (9) is prevented from rotating relative to the housing (3) and configured to disengage the head portion (9) from the housing (3) when a comb attachment (20) is attached to the device such that the head portion (9) is rotatable relative to the housing (3).

No. of Pages : 32 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.759/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :29/02/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR GENERATING AND AUTHENTICATING ONE TIME DYNAMIC PASSWORD BASED ON CONTEXT INFORMATION

(51) International classification	:H04L	(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	ELECTRONICS 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)PUNEET GUPTA</b>
(61) Patent of Addition to Application Number	:NA	<b>2)VENKAT KUMAR SIVARAMAMURTHY</b>
Filing Date	:NA	<b>3)HARIGOPAL KANAKA BAPIRAJA PONNAPALLI</b>
(62) Divisional to Application Number	:NA	<b>4)AKSHAY DARBARI</b>
Filing Date	:NA	

(57) Abstract :

The invention relates to a system and method for generating and authenticating one time dynamic password based on the context information related to a user. It involves retrieving user context information and generating a dynamic value based on that. The first one time dynamic password is generated at the user device using the first dynamic value and the user PIN. The first dynamic value along with the user identifier is sent to the authentication server. The authentication server sends the user identifier to the context management server. The context management server has access the context information used to generate the first dynamic value and based on that they generate a second dynamic value. The authentication server receives this value and generates the second one time dynamic password and if it matches with the first one time dynamic password then the authentication server authenticates the first one time dynamic password.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.834/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :05/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : SYSTEM FOR CONTROLLING VOLTAGEAND CURRENT IN SELF-CONTAINED INTEGRATED WELDER/GENERATOR

(51) International classification

:H01M

(31) Priority Document No

:10 2012

(32) Priority Date

0021169

(33) Name of priority country

:29/02/2012

(86) International Application No

:Republic

Filing Date

of Korea

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

:NA

:NA

(71)Name of Applicant :

**1)Dongshin University**

Address of Applicant :185 Gunjaero Naju Jeollanam-do-520-

714 Republic of Korea

**2)Samho Welding Machine Co. Ltd**

(72)Name of Inventor :

**1)JEONG Yang Kwon**

**2)KIM Jin Su**

(57) Abstract :

A system for controlling voltage and current in a self- contained integrated welder/generator. An installation and fixing frame defines a predetermined space and has a vibration absorption structure. A storage battery is at least partially mounted on the frame is charged with electric power and supplies electric power to a welder. A motor is at least partially mounted on the frame. A generator is at least partially mounted on the frame and generates electric power by operating the motor when the electric power stored in the storage battery is consumed by the application of a load. A voltage-current controller controls electric power that is supplied. The voltagecurrent controller checks the voltage of the storage battery and when the checked voltage is below a reference voltage . drives the generator by operating the motor and charges the storage battery with as much power as was consumed.

No. of Pages : 32 No. of Claims : 5



(54) Title of the invention : BENZOXEPIN PI3K INHIBITOR COMPOUNDS AND METHODS OF USE

(51) International classification :C07D495/04  
 (31) Priority Document No :61/246,386  
 (32) Priority Date :28/09/2009  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/EP2010/064222  
 Filing Date :27/09/2010  
 (87) International Publication No :WO 2011/036284  
 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)BLAQUIERE, NICOLE****2)DO, STEVEN****3)DUDLEY, DANETTE****4)FOLKES, ADRIAN J.****5)GOLDSMITH, RICHARD A.****6)HEALD, ROBERT****7)HEFFRON, TIM****8)KOLESNIKOV, ALEKSANDR****9)NDUBAKU, CHUDI****10)OLIVERO, ALAN G.****11)PRICE, STEPHEN****12)STABEN, STEVEN****13)WEI, BINQING**

## (57) Abstract :

Benzoxepin compounds of Formula I, and including stereoisomers, geometric isomers, tautomers, solvates, metabolites and pharmaceutically acceptable salts thereof, wherein: Z1 is CR1 or N; Z2 is CR2 or N; Z3 is CR3 or N; Z4 is CR4 or N; and where (i) X1 is N and X2 is S, (ii) X1 is S and X2 is N, (Hi) X1 is CR7 and X2 is S, (iv) X1 is S and X2 is CR7; (v) X1 is NR8 and X2 is N, (vi) X1 is N and X2 is NR8, (vii) X1 is CR7 and X2 is O, (viii) X1 is O and X2 is CR7, (ix) X1 is CR7 and X2 is C(R7)2, (x) X1 is C(R7)2 and X2 is CR7; (xi) X1 is N and X2 is O, or (xii) X1 is O and X2 is N, are useful for inhibiting lipid kinases including pi 10 alpha and other isoforms of PI3K, and for treating disorders such as cancer mediated by lipid kinases. Methods of using compounds of Formula I for in vitro, in situ, and in vivo diagnosis, prevention or treatment of such disorders in mammalian cells, or associated pathological conditions, are disclosed.

No. of Pages : 410 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.799/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : REDUCING FUEL CONSUMPTION IN ALL INTERNAL COMBUSTION ENGINES

(51) International classification	:F02G	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)K.N. SUNDARA RAMA REDDY</b>
(32) Priority Date	:NA	Address of Applicant :NO. 462, IV MAIN, RMV STAGE-2,
(33) Name of priority country	:NA	DOLLARS COLONY, BANGALORE - 560 094 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)K.N. SUNDARA RAMA REDDY</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 :

Cooling water in IC Engines consumes around 60% of heat energy supplied by fuel. Millions of people are driving millions of automobiles through the world pumping colossal amount of heat to atmosphere resulting in global warming and at the same time depleting valuable fuel reserves. This invention proposes to reduce this wastage of fuel by i. Water injection to cylinders of all IC Engines after combustion resulting in steam generated by heat of engine which exerts additional pressure on pistons contributing to additional power resulting coverage of additional distance for same fuel consumption and which also cools internals of cylinders more effectively, ii. By compression ignition of gasoline engines which enable higher compression ratio reducing fuel consumption.

No. of Pages : 26 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.833/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :05/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : SYSTEM FOR DISPENSING AN ACTUATING GAS INTENDED TO FEED A PNEUMATIC ACTUATOR EJECTION ASSEMBLY AND ASSOCIATED DISPENSING METHOD

(51) International classification	:B67D	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)DASSAULT AVIATION</b>
(32) Priority Date	:NA	Address of Applicant :9 Rond Point des Champs Elyes Marcel
(33) Name of priority country	:NA	Dassault 75008 Paris France
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)LOISON Renaud</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 system comprises a pyrotechnical generator (24) of actuating gas and a dispenser (26) comprising a body (30) defining an upstream chamber (32) receiving actuating gas and connected to the pyrotechnical generator (24) and a downstream outlet chamber (34) hydraulically connected to the pneumatic actuator (16). The dispenser comprises a mobile shutoff member (36) which can be moved inside the body (30) between a position confining the actuating gas in the upstream chamber (32) and a position dispensing the actuating gas from the upstream chamber (32) towards the downstream chamber (34). The dispenser (26) comprises means (38) for controlling the movement of the mobile shutoff member (36) capable of moving the mobile shutoff member (36) independently of the actuating gas being applied onto the mobile shutoff member (36).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.804/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : IMPROVED PROCESS FOR THE PREPARATION OF ROSUVASTATIN INTERMEDIATES

(51) International classification

:C07D

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)MSN LABORATORIES LIMITED**

Address of Applicant :FACTORY: SY.NO.317 & 323,  
RUDRARAM (VIL), PATANCHERU (MDL), MEDAK (DIST) -  
502 329 Andhra Pradesh India

(72)Name of Inventor :

**1)SRINIVASAN THIRUMALAI RAJAN**

**2)MARAMREDDY SAHADEVA REDDY**

(57) Abstract :

The present invention relates to improved processes for the preparation of compounds of formula-I and II, which are key intermediates for the preparation of Rosuvastatin and its pharmaceutically acceptable salts.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.805/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : TRACK START DEVICE

(51) International classification

:B61L

(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)ANTON KAJLICH**

Address of Applicant :65 12TH AVE, BRISBANE 4067

Australia

(72)Name of Inventor :

**1)ANTON KAJLICH**

(57) Abstract :

A non-rocking, non-springing safe starting platform suitable for use in swimming pools, comprising of a base, a moulded anti-slip top made of glass reinforced plastic (GRP), the safe start platform attached to the pool deck floor by means of a quick anchoring system at the centre and C-anchors or adjustable legs for fixing the safe start platform to the pool deck or floor for further stability; the said C anchors or adjustable legs being fixed at the four corners of the base of the platform surrounding the quick anchoring system; a fixed, removable adjustable track start; two ergonomically designed safe start handles on either side of the anti-slip top, a backstroke handle under the anti-slip top and parallel to the base of the platform;,, LED display/monitor system, a GRP step, a GRP elevator, a mesh cover, a no diving stand, and an LED start system.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.774/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :29/02/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : ELASTOMERIC SANDWICH SPRING STEERING STABILIZER

(51) International classification	:B60G	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)ASHOK LEYLAND LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :NO. 1, SARDAR PATEL ROAD,
(33) Name of priority country	:NA	GUINDY, CHENNAI 600 032 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)A. SAHAYA GRINSPAN</b>
(87) International Publication No	: NA	<b>2)SATHYA PRASAD MANGALARAMANAN</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The elastomeric sandwich spring steering stabilizer has a pair of sandwich springs secured in between the axle arm structure and track rod lever at the both sides of the self steer lift axle. A pair of coil spring actuators is secured at the both sides of the self steer lift axle for controlling the self center-ability of the self steer lift axle. A pair of steering levers is attached to the both sides of the self steer lift axle. The coil spring actuator consists of a helical coil spring with or without a sandwich rubber spring, a push rod, a lock nut and a pair of spring seats. The coil spring is placed in between two spring seats. One spring seat is secured to the bottom air bellow mounting bracket of the self steer lift axle and other spring seat of the coil spring actuator is connected to the push rod. A pair of steering levers is attached to the right and left side of the wheel assembly. The coil springs actuators give a required force to the steering rods to create a twist moment in the tires with respective of the kingpin of the axle. The elastomeric spring steering stabilizer is used to control the steer-ability of the self steer-able axle suspension system by suppress the wheel shimmy and oscillations occurred in the wheel assembly when the vehicle is operated and to hold the wheel assembly in the neutral position.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.777/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :01/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : A SYSTEM AND METHOD OF BUYING AND SELLING GOODS ONLINE THROUGH OFFLINE AFFILIATE AND COMMUNICATION NETWORK

(51) International classification

:G06Q

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)SRIDHAR GUNDAIAH**

Address of Applicant :24/2 24/3 21st main Banashankari 2nd stage Bangalore -560070 Karnataka India

(72)Name of Inventor :

**1)SRIDHAR GUNDAIAH**

(57) Abstract :

In view of foregoing an embodiment herein provides a computer implemented system for facilitating trading of virtual products of vendors especially rural vendors to cater the requirements of the global consumers via a communication network and also providing a convenient payment option. The computer implemented system includes an application program interface module an enterprise resource planning (ERP) tool wherein the enterprise resource planning (ERP) tool includes a system database and product upload module a content management system module a display module an integrated module; and a consumer relationship management (CRM) module. A method for buying and selling virtual products of a vendor or a micro-vendor through affiliates and communication network is disclosed. Further a method for selling virtual products of a micro-vendor through affiliates and communication network to a consumer is also disclosed. A method for virtually buying goods through online portal and making offline payment is also disclosed.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.810/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :04/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : ELECTRICAL MEASUREMENT DEVICE

(51) International classification	:G01R	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)Gaurav Gandhi</b>
(32) Priority Date	:NA	Address of Applicant :A1/283 Janakpuri New Delhi India
(33) Name of priority country	:NA	110058 India
(86) International Application No	:NA	<b>2)Varun Aggarwal</b>
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)Gaurav Gandhi</b>
(61) Patent of Addition to Application Number	:NA	<b>2)Varun Aggarwal</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An electrical measurement device for capturing and measuring electrical signals such as an improved oscilloscope and a user interface for displaying the two or more electrical signal representations simultaneously is provided. The electrical measurement device includes an input module coupled to a device under test (DUT) where the input module is configured to receive one or more electrical signals from the DUT. The electrical measurement device also includes a processor module for processing the one or more electrical signals and to calculate a plurality of characteristics for the one or more electrical signals. Further the electrical measurement device includes an output module configured to generate two or more electrical signal representations based on the plurality of characteristics.

No. of Pages : 16 No. of Claims : 30



(12) PATENT APPLICATION PUBLICATION

(21) Application No.844/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : CHAIN GLIDING SECURE FENCING

(51) International classification	:F16G	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)NATESAN KANNUSAMY RAMALINGAM</b>
(32) Priority Date	:NA	Address of Applicant :NO. 37, ANNA STREET,
(33) Name of priority country	:NA	KANAGAM, TARAMANI, CHENNAI -600 113 Tamil Nadu
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)NATESAN KANNUSAMY RAMALINGAM</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The posters for fencing are grounded surrounding the chosen geographical area. For instance, be it a rectangular area and here at one corner is a Main Post with Motor(I) grounded through a bearing so that the said Main Post(I) can be rotated with this Motor Power. Here this posts acts as a Shaft for number of Chain Sprockets for instance 3 Sprockets for a post as per the diagram specified. The Main Post is erected with Bearing and its Sprockets also rotates as the Post rotates. Whereas all other posts are not erected with bearing but their Sprockets' are built with bearing so these Posts don't but their Sprockets do. As the Motor rotates the Motor-Poster( 1) rotates and hence the Main Posts Sprockets rotate and glide the chains across, and the remaining posts' Sprockets rotate to glide the Chains across. Hence the entire chain loop are being rotated/glided as per the adjustable gliding speed at the motor end itself. Hence all the posts are rotating and the Sprockets also do, hence the Chains are being driven/glided over the entire loop, hence as all the Chains' Pins are extended and connected to the Pin Connector, the Sisals/Thorns are also gliding over the Loop and Prevents trespassers and animals from even nearing the Fencing.

No. of Pages : 11 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.822/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :05/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : A FOOT REST APPARATUS FOR TEXTILE MACHINES

(51) International classification	:D01H	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)LAKSHMI MACHINE WORKS LTD.</b>
(32) Priority Date	:NA	Address of Applicant :PERIANAICKENPALAYAM,
(33) Name of priority country	:NA	COIMBATORE 641 020 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)NARAYANASWAMY KRISHNAKUMAR</b>
(87) International Publication No	: NA	<b>2)GOVINDHARAJULU MANI</b>
(61) Patent of Addition to Application Number	:NA	<b>3)VENKATESHAN NARENDRA</b>
Filing Date	:NA	<b>4)NARAYANAN MARISEKAR</b>
(62) Divisional to Application Number	:NA	<b>5)THEVVAN GANTHI KOTTISWARRA</b>
Filing Date	:NA	<b>RAGAVENTARR</b>

(57) Abstract :

According to the present invention, the foot rest apparatus for textile spinning preparatory machines is provided with a foldable and/or movable feature in order to accommodate sufficient space for man, material movement without any interference. The foot rest apparatus mounted in the machine frame comprises at least one foot plate wherein the plurality of pivotal joints are provided between said foot plate and machine frame. Therefore the foot step can be folded or adjusted/moved according to the requirement.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.811/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :05/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : TENOFOVIR PHOSPHATE, PROCESSES FOR THE PREPARATION AND PHARMACEUTICAL COMPOSITION THEREOF

(51) International classification

:A61K

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)LAURUS LABS PVT LTD**

Address of Applicant :LAURUS LABS PVT LTD, 2ND FLOOR, SERENE CHAMBERS ROAD, #7, BANJARA HILLS, HYDERABAD - 500 034 Andhra Pradesh India

(72)Name of Inventor :

**1)RAVINDRA BABU BOLLU**

**2)VENKATA KRISHNA KISHORE JAMMULA**

**3)SATISHKUMAR PANNALAL JAIN**

**4)SANDEEP JOHARILAL KACHHWAHA**

**5)VENKATA SUNIL KUMAR INDUKURI**

**6)SEETA RAMANJANEYULU GORANTLA**

**7)SATYANARAYANA CHAVA**

(57) Abstract :

The present invention provides tenofovir disoproxil phosphate and a process for its preparation. The present invention also provides a pharmaceutical composition using the tenofovir disoproxil phosphate of the invention.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.845/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : BI-WAY PEDALING INFLUENCED MECHANISM FOR POWER GENERATION

(51) International classification	:B62M	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)NATESAN KANNUSAMY RAMALINGAM</b>
(32) Priority Date	:NA	Address of Applicant :NO. 37, ANNA STREET,
(33) Name of priority country	:NA	KANAGAM, TARAMANI, CHENNAI -600 113 Tamil Nadu
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)NATESAN KANNUSAMY RAMALINGAM</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Unlike the existing systems, the system we claim is capable of producing excessive electricity and including all other Patent Applications of mine, this also has the primary objective i.e.. Resource Conservation. This technology is a Bi-Way Pedaling mechanism, using both hands and legs simultaneously, provided both the inputs(rotations) gets transmitted to same junction which means to the Electricity Generator! 12). The Free Wheel(2), Sprocket (5) and Free Wheel(4). all these three are orderly mounted over same shaft, which means the mentioned two Free Wheels (2) and (4), are mounted on either side of the Sprocket(5) on same shaft. The Leg Pedals and Crank(I) drives the Free Wheel(2), where the Hand Pedals and Crank(3) drives the Free Wheel(4). As these two Free Wheels are being driven, the Sprocket! 5) also is driven. In other words either side Free Wheels receive Rotations from their respective Cranks[(!) or (3)] and transmit the same to the Sprocket(5). And the Sprocket{5j drives the Smaller Sprocket(6), which transmits the rotational energy to Gear Box(8} and then the Gear Box(8) drives another Sprocket(9) which in turn drives the Free Wheel(10). The Free Wheel(10) transmits the rotations to Electricity Generator! 12). Hence the resultant RPM towards the Electricity Generator(8) is very much higher and hence that results in excessive Electricity.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1795/CHE/2008 A

(19) INDIA

(22) Date of filing of Application :25/07/2008

(43) Publication Date : 06/09/2013

(54) Title of the invention : METHOD AND APPARATUS FOR OPERATING INTERNAL COMBUSTION ENGINE

(51) International classification	:F02D41/00
(31) Priority Document No	:102007035314.8
(32) Priority Date	:27/07/2007
(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)ROBERT BOSCH GMBH**  
Address of Applicant :POSTFACH 30 02 20, 70442  
STUTTGART. Germany  
(72)**Name of Inventor :**  
**1)ERNST WILD**

(57) Abstract :

A method and an apparatus are proposed for operating an internal combustion engine 1 with an actuator 5 in an air supply channel 10 of the internal combustion engine 1 for influencing the air supply to the internal combustion engine 1 The method and apparatus enables the usage of a throttle valve based charge signal even in the low idle operating range or in a close to low idle operating range of the internal combustion engine 1 In addition, the intake manifold pressure can be modelled in a simple and reliable manner.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.778/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :01/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : DEVELOPMENT OF REAL TIME PCR BASED ANTIGEN DETECTION KIT FOR DIAGNOSIS OF BOVINE HERPES VIRUS - 1

(51) International classification	:C12Q	(71)Name of Applicant : <b>1)BASAVEGOWDANADODDI MARINAIK CHANDRANAIAK</b>
(31) Priority Document No	:NA	Address of Applicant :PHD SCHOLAR,
(32) Priority Date	:NA	DEPT.VETERINARY MICROBIOLOGY, VETERINARY
(33) Name of priority country	:NA	COLLEGE, HEBBAL, BANGALORE - 560 024 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)BASAVEGOWDANADODDI MARINAIK CHANDRANAIAK</b>
(87) International Publication No	: NA	<b>2)DODDAMANE RATHNAMMA</b>
(61) Patent of Addition to Application Number	:NA	<b>3)SHARANAGOUDA SIDDANAGOUDA PATIL</b>
Filing Date	:NA	<b>4)SHRIKRISHNA ISLOOR</b>
(62) Divisional to Application Number	:NA	<b>5)KEREKOPPA PUTTAIAH BHATTA RAMESHA</b>
Filing Date	:NA	<b>6)BELAMARANHALLY M. VEEREGOWDA</b>
		<b>7)CHENNAVEERAPPA RENUKAPRASAD</b>

(57) Abstract :

The present invention is directed towards the development of a Real Time PCR based Antigen Detection Kit which is highly specific, rapid and sensitive as well as capable of detecting ultra low amount of the viral load, for diagnosis of Bovine Herpes Virus-1 in clinical samples including bovine semen samples. The invention of Development of kit with newly designed set of specific primers, probe and the reaction mixture with protocols is suitable for specific and rapid detection of ultra low amount of the viral load in clinical samples including semen. The details of one or more embodiments of the inventions are set forth in the description below. Other features, objectives and advantages of the inventions are apparent from the description. The set of primers, probe, the reaction mixture and the protocols used in this invention is unique and never been explained before anywhere in the world for the diagnosis of BoHV-1 infections.

No. of Pages : 22 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.812/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :05/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : PHARMACEUTICAL COMPOSITION OF RALOXIFENE HYDROCHLORIDE

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)GLOCHEM INDUSTRIES LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :G.V. CHAMBERS 7-2-C8 & C8/2 IE,
(33) Name of priority country	:NA	SANATHNAGAR, HYDERABAD - 500 018 Andhra Pradesh
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)MOHAMMED BALA PASHA</b>
(61) Patent of Addition to Application Number	:NA	<b>2)MANOJ JALAGAM</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses novel pharmaceutical composition comprising a crystalline non-solvated raloxifene hydrochloride, having improved dissolution even with higher particle size of raloxifene hydrochloride having a mean particle size of at least about 35 microns & 90 percent of particles having about 60 to about 120 microns and process for preparation thereof.

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

## (54) Title of the invention : A PERPETUAL ROTATION WHEEL

(51) International classification	:G09D	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)NAMAKKAL SADASIVA IYER KODANDA RAMAN</b>
(32) Priority Date	:NA	Address of Applicant :NO.246, N-HIG, D-7 BLOCK, SIVA
(33) Name of priority country	:NA	MANDIR ROAD (NEAR MASJID), YELAHANKA NEW
(86) International Application No	:NA	TOWN, 5TH PHASE, BANGALORE - 560 106 Karnataka India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)NAMAKKAL SADASIVA IYER KODANDA RAMAN</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

A device, namely, A Perpetual Rotation Wheel wherein uniquely the device is operated under submerged condition in under-water, and by making use of forces of gravity, buoyancy, eccentricity, principles of levers, thereby creating imbalance of the wheel continuously by making a top-heavy condition and thus make it turn and rotate and also utilizing the difference potential of water pressure between different levels of depth of water are adopted to achieve the device, namely A Perpetual Rotation Wheel, wherein, a wheel mounted on to a shaft and the wheel having 2 cylinders (one above and another cylinder below the wheel centre (c) and the cylinders open-ends are near the Top Rim and Bottom Rim and their closed ends are near the wheel centre (c) (See fig.1) and two Heavy weights (steel blocks) placed inside the cylinder i.e. one at the top open end of Cylinder-4a and another at the closed end of Cylinder-4b (near the wheel centre and the said 2 heavy weights are movable up/down in inside the cylinders and are linked by a Connecting Rod and 2 control-plates, one at the Top Open end of Cylinder-4a and another at the bottom open end of Cylinder 4b and 2 control pins, one each at the base of the Steel Heavy Weights and 2 outlet pipes (for air) are provided, one each at the closed ends of Cylinder 4a and 4b and a force pump and a water tank at the end of the shaft are provided, and, to start with, when the steel weight is at the top Rim end of Cylinder-4a, then Cylinder-4b is at the wheel centre and so the steel Heavy Weight at the Top Rim side imbalances the wheel making a Top-Heavy condition for the wheel and since no equal counter weight is at the bottom side of the wheel and so the heavy weight-6a along with the wheel tends to turn to down side and so turns and rotates (clockwise) due to gravity and reaches the bottom side of the wheel consequently, Steel Heavy Weight-6b also rotates upwards and reaches the upper portion of the wheel (just above the wheel centre (c)) and when the Heavy weight-6a of Cylinder-4a reaches the bottom side, the control-pin-8c and plate-8a retracts (operated electro-magnetically) releasing and giving free movement (up/down) to Heavy Weight-6a (which was all the while blocked) and also when the control pin and control plate retracts the mouth of open end of Cylinder-4a (now at the bottom, after rotation) is opened and thereby the water at that level (which is more forceful due to the depth) enters the Cylinder-4a, pushes up the Heavy Weight-6a upto the closed Top end in Cylinder-4a (near the wheel centre(c) and during heavy weight's upward travel inside cylinder, the air/water between Heavy Weight-6a and closed top of cylinder-4a, is squeezed and the air/water is forced out and exits through the outlet pipe and through the shaft (pipe) and the air escapes into the outside atmosphere and also the water from the cylinders are drawn in by a force pump and exited through the outlet pipe and collected at a water tank and the water is again pumped up by a force pump to a higher level and lets it fall into the surrounding water body or siphoned off to the water body, and, when the Steel Block-6a at the Cylinder-4a (now at the bottom side of wheel after rotation) is pushed up by water pressure, the Steel Block-6b (since connected by a connecting rod-7) which is now at the upper portion of the wheel, is also pushed up in Cylinder-4b towards the upper Rim side of the wheel and so a vacant space is created underneath the Heavy Weight-6b and to fill the empty space, water is let in through the inlet pipe into the Cylinder-4b through 14b, thereby again making the Top-Heavy condition of the wheel, so the wheel turns towards the bottom side and again on reaching the bottom, the control plate and control-pin retract and the water rushes in forcefully inside the Cylinder-4b with the buoyancy force at that depth and again the Heavy Weight-6a rises up in the Cylinder-4a and so Heavy Weight-6b which is now on the upper side of wheel centre is pushed upto Top Rim side since linked by Connecting Rod and this again causes imbalance of the wheel and so the wheel turns and rotates to reach the bottom side, this cyclical process goes on continuously on and on and on resulting in the continuous rotation of the wheel, namely the perpetual Rotation of the Wheel, and the Torque force thus created by the wheel is transmitted to a generator to generate electrical power and myriads of other purposes wherever the rotation of wheel is needed.

No. of Pages : 22 No. of Claims : 7



(12) PATENT APPLICATION PUBLICATION

(21) Application No.781/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :01/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : LUNDELL ALTERNATOR ROTOR CLAW

(51) International classification	:H02K	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)LUCAS-TVS LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :PADI, CHENNAI 600 050 Tamil Nadu
(33) Name of priority country	:NA	India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)KRISHNAVILASAM RAGHAVEN</b>
(87) International Publication No	: NA	<b>ANANDAKUMARAN NAIR</b>
(61) Patent of Addition to Application Number	:NA	<b>2)VAILLOOR SANJEEVI SAMBANDAM</b>
Filing Date	:NA	<b>3)THANGAMANI KARTHIK</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Lundell type alternator rotor claw comprising a first unit of a warm forged ring fitted with a second unit of a cold forged and sized core, by means including shrink fitting or press fitting, the said units together to form an integral, rigid assembly, the ring consisting of a rack, rolled, welded and machined to form the said first unit, while the said core consists of a cold forged and machined second unit of predetermined size, the assembly being finally cold sized.

No. of Pages : 12 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.813/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :05/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : WATER ACTIVATABLE POLYURETHANE SYSTEM CONTAINING MICRO-ENCAPSULATED CATALYST FOR ORTHOPEDIC CASTING TAPE

(51) International classification	:C08G	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)M/S. SREE CHITRA TIRUNAL INSTITUTE FOR</b>
(32) Priority Date	:NA	<b>MEDICAL</b>
(33) Name of priority country	:NA	Address of Applicant :SCIENCES AND TECHNOLOGY,
(86) International Application No	:NA	BIOMEDICAL TECHNOLOGY WING, POOJAPPURA,
Filing Date	:NA	THIRUVANANTHAPURAM - 695 012 Tamil Nadu India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)MUTHU JAYABALAN</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a water activatable polyurethane curing system containing dibutyl tin dilaurate and 4,4'(Oxydi-2,1-ethanediyl)bismorpholine microencapsulated in molecular sieves (3A-13X sieves) and hydrophobic fumed silica (primary particle size 16 nm and specific surface area (BET)  $110 \pm 20$  m<sup>2</sup>/g) and coated with polyethylene glycol.

No. of Pages : 15 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.814/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :05/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : AN IMPROVED PROCESS FOR THE PREPARATION OF CARBAPENEM ANTIBIOTIC

(51) International classification	:C07D	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)ORCHID CHEMICALS &amp; PHARMACEUTICALS LTD</b>
(32) Priority Date	:NA	Address of Applicant :ORCHID TOWERS, 313,
(33) Name of priority country	:NA	VALLUVAR KOTTAM HIGH ROAD, NUNGAMBAKKAM,
(86) International Application No	:NA	CHENNAI - 600 034 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)RAMAR PADMANABHAN</b>
(61) Patent of Addition to Application Number	:NA	<b>2)GEDI SREEDHAR</b>
Filing Date	:NA	<b>3)RAMASAMY SIDDHUMANICKAM</b>
(62) Divisional to Application Number	:NA	<b>4)UDAYAMPALAYAM PALANISAMY</b>
Filing Date	:NA	<b>SENTHILKUMAR</b>

(57) Abstract :

The present invention relates to an improved process for the preparation of Biapenem of formula (I) having reconstitution time less than 25 seconds.

No. of Pages : 12 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.848/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : SLOW RELEASE PHARMACEUTICAL COMPOSITION OF CEFDINIR

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)AIZANT DRUG RESEARCH SOLUTIONS PRIVATE LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :SY NO. 172 & 173, APPAREL PARK
(33) Name of priority country	:NA	ROAD, DULAPALLY VILLAGE, QUTHBULLAPUR
(86) International Application No	:NA	MANDAL, HYDERABAD - 500 014 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)DR. TATHAGATA DUTTA</b>
(61) Patent of Addition to Application Number	:NA	<b>2)GOKUL A. KHAIRNAR</b>
Filing Date	:NA	<b>3)DR VARMA S. RUDRARAJU</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to slow release pharmaceutical composition comprising cefdinir, a surface-active agent and a rate controlling agent. It also relates to a slow release pharmaceutical composition with a specific dissolution rate by increasing the solubility of cefdinir and simultaneously slows the release rate of the active agent from the composition.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3813/CHE/2010 A

(19) INDIA

(22) Date of filing of Application :13/12/2010

(43) Publication Date : 06/09/2013

(54) Title of the invention : A SYSTEM AND METHOD FOR COLOR BLINDNESS QUANTIFICATION

(51) International classification	:G01N	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)PRICOL LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :P.B. No. 6331 (1087-A) NEW No.
(33) Name of priority country	:NA	702/7 Avanashi Road Coimbatore 641037 Tamil Nadu. India.
(86) International Application No	:NA	<b>2)PSG COLLEGE OF TECHNOLOGY</b>
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)BENEDICT BIJU</b>
(61) Patent of Addition to Application Number	:NA	<b>2)A. KANDASAWMY</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The embodiments herein provide a system and method for color blindness quantification. The system comprises of a display panel for displaying test pattern with a background color selected from a group of red, green and blue color. Initially, the color of the test pattern is same as the selected background color. The intensity of the test pattern is varied to a color other than the selected background color and a counter is incremented simultaneously. The value of the counter at which the user identifies the test pattern is recorded and the color blindness is quantified.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1138/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : INTEGRATED PROCESSING DEVICE FOR SWITCH TERMINAL

(51) International classification	:B21D
(31) Priority Document No	:201220079158.9
(32) Priority Date	:06/03/2012
(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)Tianjin Kelin Mold Technic Co. Ltd**  
Address of Applicant :Xiaodian Industrial Zone Beichen  
District Tianjin 300402. China  
(72)**Name of Inventor :**  
**1)Kecheng WANG**

(57) Abstract :

An integrated processing device for a switch terminal capable of finishing stamping shaping cutting and tapping in one step. The integrated processing device for a switch terminal includes a stamping mechanism a combined forming mechanism and an intermittent multi-station processing mechanism and further includes a discharging mechanism and a first tapping mechanism. The first tapping mechanism the stamping mechanism the combined forming mechanism the intermittent multi-station processing mechanism and the discharging mechanism are connected in sequence. Through the total integrated production the labor cost is reduced and the product quality is improved.

No. of Pages : 11 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.783/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :01/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : BRAKE CONTROL APPARATUS

(51) International classification

:F16D

(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)SAI PRAVEEN VELAGAPUDI**

**2)VENKATA MANGARAJU KARANAM**

**3)RENGARAJAN BABU**

(57) Abstract :

The present invention provides a brake control apparatus in combined brake system for motorcycle which comprises a front master cylinder , a rear master cylinder, a pressure control unit hydraulically and a variable brake bias limiter which is manually varied for different road surface conditions.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/02/2012

(21) Application No.764/CHE/2012 A

(43) Publication Date : 06/09/2013

(54) Title of the invention : A METHOD OF DIAGNOSING AN OXYGEN SENSOR

(51) International classification	:G01N	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)ROBERT BOSCH ENGINEERING AND BUSINESS</b>
(32) Priority Date	:NA	<b>SOLUTIONS LIMITED</b>
(33) Name of priority country	:NA	Address of Applicant :123, INDUSTRIAL LAYOUT,
(86) International Application No	:NA	HOSUR ROAD, KORMANGALA, BANGALORE - 560 095
Filing Date	:NA	Karnataka India
(87) International Publication No	: NA	<b>2)ROBERT BOSCH GMBH</b>
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)SUJITH JOHNY</b>
(62) Divisional to Application Number	:NA	<b>2)SREENIVASULU PALA</b>
Filing Date	:NA	<b>3)ADARSHA K S</b>

(57) Abstract :

A method of diagnosing an oxygen sensor (10), said method comprising the steps: switching ON a pump current (ip) through a pump cell (20) of said oxygen sensor (10) to maintain the voltage across a Nernst cell (30) of said oxygen sensor (10) at a first voltage level (VI); switching OFF the pump current (Ip) for a predetermined time T1 through said pump cell (20) to obtain a second voltage level across said Nernst cell (30) of said oxygen sensor (10) from said first voltage level; switching ON the pump current (Ip) after said predetermined time T1; measuring a time duration (Td) in which the voltage (Nv) across said Nernst cell (30) reaches the first voltage level (VI) from the second voltage level (V2) when the pump current (Ip) is switched ON; and determining a response behavior of the oxygen sensor (10) from said measured time duration (Td).

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.211/CHE/2008 A

(19) INDIA

(22) Date of filing of Application :25/01/2008

(43) Publication Date : 06/09/2013

(54) Title of the invention : HANDHELD ELECTRONIC DEVICE AND CAMERA PROVIDING FLASH COMPENSATION OF IMAGES, AND ASSOCIATED METHOD

(51) International classification	:G01W 01/00	(71)Name of Applicant : <b>1)RESEARCH IN MOTION LIMITED</b>
(31) Priority Document No	:07101201.7	Address of Applicant :295 PHILLIP STREET, WATERLOO,
(32) Priority Date	:25/01/2007	ONTARIO, CANADA, N2L 3W8, CANADA
(33) Name of priority country	:EPO	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)MARC DRADER</b>
Filing Date	:NA	<b>2)MICHAEL PURDY</b>
(87) International Publication No	: NA	<b>3)KEN WU</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An improved handheld electronic device and camera apparatus upon which can be executed an improved method enable a modular camera to be used in conjunction with a flash. In one implementation, compensation parameters that are intended for use in a non-flash situation are overwritten with compensation parameters that are configured to compensate for the combined effects of the camera and the flash and are used by an embedded compensation routine executed on the camera. In another implementation, an image signal is processed by the embedded compensation routine using the original compensation parameters, but if it is determined that the image signal is a flash image signal, the image signal is further processed by the embedded compensation routine employing an additional set of parameters which compensate the image signal for the effect of the flash.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2945/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : IMAGING DEVICE, CONTROL METHOD THEREOF, IMAGING SYSTEM, AND NON TRANSITORY COMPUTER READABLE MEDIUM STORING PROGRAM

(51) International classification	:H04N 5/225
(31) Priority Document No	:2009-229779
(32) Priority Date	:01/10/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/005452
Filing Date	:06/09/2010
(87) International Publication No	:WO 2011/039947
	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)NEC CORPORATION**  
Address of Applicant :7-1, SHIBA 5-CHOME, MINATO-KU  
TOKYO 108-8001 Japan  
(72)**Name of Inventor :**  
**1)INUTSUKA, YUSUKE**

(57) Abstract :

The present invention aims to provide an imaging device that enables viewing an image exceeding an image of a range framed at the time of shooting after the shot has been taken, a control method thereof, an imaging system, and a program. An imaging device 10 according to the present invention is the imaging device 10 that includes a digital zoom function, and includes an image acquisition processing unit 21 that acquires image data of a predetermined range (image range A of an entire image sensor), an image process controlling unit 23 that holds information of a live view range B, which is smaller than the predetermined range, and an image display processing unit 24 that digitally zooms and displays a part corresponding to the live view range B from the acquired image data, and a data save processing unit 22 that provides the information of the live view range B held by the image process controlling unit 23 to the image data acquired by the image acquisition processing unit 21 and saves the image data.

No. of Pages : 33 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.821/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :05/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : SLIVER-CAN HANDLING MECHANISM

(51) International classification	:D01H	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)LAKSHMI MACHINE WORKS LTD.</b>
(32) Priority Date	:NA	Address of Applicant :PERIANAICKENPALAYAM,
(33) Name of priority country	:NA	COIMBATORE 641 020 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)NARAYANASWAMY KRISHNAKUMAR</b>
(87) International Publication No	: NA	<b>2)GOVINDHARAJULU MANI</b>
(61) Patent of Addition to Application Number	:NA	<b>3)VENKATESHAN NARENDRA</b>
Filing Date	:NA	<b>4)NARAYANAN MARISEKAR</b>
(62) Divisional to Application Number	:NA	<b>5)THEVVAN GANTHI KOTTISWARRA</b>
Filing Date	:NA	<b>RAGAVENTARR</b>

(57) Abstract :

In Sliver-can changing mechanism for spinning preparatory machines such as draw frame, comber, card, different set of Can index plate assemblies are used for different sliver-can diameters. This invention overcomes the above disadvantage by providing single Can index plate for any different sliver-can diameters. Sliver-can handling mechanism for changing sliver-cans comprises sliver-can transport rail (6), Can index plate (7) sliding on said rail (6), Plurality of guide arms (9) pivoted to said Can index plate (7) at regular intervals by means of spring (12), an actuator (8) for sliding said Can index plate (7), wherein Can index plate (7) has provision to fix the actuator (8) at various positions. The Can index plate (7) has plurality of holes (10) to fix the actuator (8) at various positions.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.792/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :01/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : PHARMACEUTICAL COMPOSITIONS COMPRISING COMBINATION OF SILDENAFIL AND DAPOXETINE

(51) International classification

:A61K

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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India

(72)Name of Inventor :

**1)PARTHASARADHI REDDY, BANDI**

**2)KHADGAPATHI, PODILI**

**3)VENKATESWAR REDDY, POTHIREDDY**

(57) Abstract :

The present invention relates to pharmaceutical compositions comprising combination of sildenafil, dapoxetine and process for preparing the same, as well as methods of using such compositions to treat subjects suffering from sexual dysfunction.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.823/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :05/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : PNEUMATIC ACTUATOR FOR EJECTING A LOAD CARRIED BY AN AIRCRAFT AND ASSOCIATED EJECTION METHOD

(51) International classification	:B23P	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DASSAULT AVIATION
(32) Priority Date	:NA	Address of Applicant :9 ROND POINT DES CHAMPS
(33) Name of priority country	:NA	ELYEES, MARCEL DASSAULT, 75008, PARIS France
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)LOISON, RENAUD
(87) 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 actuator comprises a guiding jacket (24) and a first deployable member (26A) mounted sliding in the jacket (24) between a retracted position and a deployed position for ejecting the load. It comprises a pyrotechnical source (20) of actuating gas connected to the guiding jacket (24), the pyrotechnical source (20) able to be activated to direct through the inlet opening (37) a flow of actuating gas intended to push the first deployable member towards its deployed position. The actuator (18) comprises means (28) for deflecting at least part of the gas flow from the inlet opening (37) towards the slide surface (56) to pin the solids present in the gas flow against the slide surface (56), the deflecting means (28) extending at least partly longitudinally upstream of the upstream end (85A) of the first deployable member (26A) in the deployed position.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2588/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : COAGULATION FACTOR VII COMPOSITIONS AND METHODS OF MAKING AND USING SAME

(51) International classification	:C12P21/04
(31) Priority Document No	:61/236,493
(32) Priority Date	:24/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/002147
Filing Date	:02/08/2010
(87) International Publication No	:WO 2011/028228 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)AMUNIX OPERATING INC.**  
Address of Applicant :500 ELLIS STREET, MOUNTAIN VIEW, CALIFORNIA-94043 U.S.A.

(72)**Name of Inventor :**  
**1)SCHELLENBERGER, VOLKER**  
**2)SILVERMAN, JOSHUA**  
**3)STEMMER, WILLEM, PETER**  
**4)WANG, CHIA-WEI**  
**5)SPINK, BENJAMIN**  
**6)GEETHING, NATHAN, CARL**  
**7)TO, WAYNE**

(57) Abstract :

The present invention relates to compositions comprising factor VH coagulation factors linked to extended recombinant polypeptide (XTEN), isolated nucleic acids encoding the compositions and vectors and host cells containing the same, and methods of making and using such compositions in treatment of coagulation factor-related diseases, disorders, and conditions.

No. of Pages : 1264 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4541/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/05/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : APPARATUS COMPRISING ROTATABLE MEMBER

(51) International classification	:B26B19/06
(31) Priority Document No	:09179008.9
(32) Priority Date	:14/12/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/IB2010/055621
Filing Date	:07/12/2010
(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)KONINKLIJKE PHILIPS ELECTRONICS N.V.**  
Address of Applicant :GROENEWOUDSEWEG 1  
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(72)**Name of Inventor :**  
**1)WEVERS. Dirk Hendrik**  
**2)TIJSEN Reinier Alexander**  
**3)HALMUT Ishay**

(57) Abstract :

An apparatus for adjusting a distance between first and second elements comprising a first rotation member (200) rotatable between first and second stop positions and a second rotation member (300) wherein rotation of the first member between the first and second stop positions comprises a first rotation stage in which the first rotation member rotates through a first rotation angle and a second rotation stage in which the first rotation member is configured to engage with the second rotation member to rotate the second rotation member through a second rotation angle.

No. of Pages : 21 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/05/2012

(21) Application No.4542/CHENP/2012 A

(43) Publication Date : 06/09/2013

(54) Title of the invention : METHOD AND SYSTEM FOR THIN CHIP DIGESTER COOKING

(51) International classification :D21C3/02  
(31) Priority Document No :61/263,905  
(32) Priority Date :24/11/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/057417  
Filing Date :19/11/2010  
(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)ANDRITZ INC.**

Address of Applicant :One Namic Place Glens Falls New York-12801 U.S.A.

(72)Name of Inventor :

**1)ENGSTROM Johan**

**2)PIIRA Jussi**

**3)VEHMAA Janne**

**4)TERVOLA Veli-Pekka**

**5)LEAVITT Aaron**

(57) Abstract :

A method to cook thin chips in a continuous digester vessel including: introducing thin chips having a thickness of no more than 6mm into a chip bin; adding white (cooking) liquor to the chip bin or to a chip transport passage extending from the chip bin to an upper inlet of the continuous digester vessel; injecting medium pressure steam or another heated fluid to an upper region of the digester vessel to elevate a cooking temperature of the chips in the vessel to at least 130 degrees Celsius; cooking the chips in the vessel as the chips flow downward through the vessel without substantial extraction or introduction of liquor in the cooking section of the vessel. injecting wash liquid to a lower region of the vessel; extracting at least wash liquid through a wash liquid extraction screen in the lower region of the vessel and above the injection of the wash liquid, and discharging the cooked thin chips from the lower region of the vessel.

No. of Pages : 31 No. of Claims : 18



(12) PATENT APPLICATION PUBLICATION

(21) Application No.793/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :01/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : RITONAVIR COMPOSITIONS

(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 :

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(72)Name of Inventor :

**1)PARTHASARADHI REDDY, BANDI**

**2)KHADGAPATHI, PODILI**

**3)KAMALAKAR REDDY, GOLI**

(57) Abstract :

The present invention relates to pharmaceutical compositions comprising ritonavir premix, a water soluble polymer and a surfactant and process for preparing the same. More particularly, the present invention relates to hot-melt extrusion process for preparing solid oral compositions of ritonavir premix.

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.447/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :07/02/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : AIR DUCT FOR ROTATING - ELECTRIC - MACHINE AND ROTATING ELECTRIC MACHINE UNIT

(51) International classification

:F24F

(31) Priority Document No

:2011-  
058084

(32) Priority Date

:16/03/2011

(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)KABUSHIKI KAISHA YASKAWA DENKI**

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SHIROISHI,YAHATANISHI-KU, KITAKYUSHI-SHI,  
FUKUOKA 806-0004 Japan

(72)Name of Inventor :

**1)TAKEKI INOUE**

**2)HIROFUMI SHIMONO**

(57) Abstract :

To provide an air duct for a rotating electric machine capable of cooling a rotating electric machine efficiently. The air duct for a rotating electric machine (air duct 2) includes a motor-attaching portion 41 that is attached to a motor portion 1 having a plurality of cooling paths 17 and having a substantially rectangular shape when seen in an axial direction, the motor-attaching portion 41 including a recess 42 connected to the cooling paths 17 of the motor portion 1; connecting portions 51a and 51b that include respective flow paths 52a and 52b extending in the axial direction; and a cooling-fan-attaching portion 61 that is connected to the flow paths 52a and 52b of the connecting portions 51a and 51b and to which a cooling fan 3 is attached. When seen in the axial direction of the motor portion 1, the flow paths 52a and 52b of the connecting portions 51a and 51b extend along respective sides of the motor portion 1 having a substantially rectangular shape from near one end to near another end in such a manner as to correspond to the plurality of cooling paths 17.

No. of Pages : 53 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/03/2012

(21) Application No.795/CHE/2012 A

(43) Publication Date : 06/09/2013

(54) Title of the invention : PHARMACEUTICAL FORMULATIONS COMPRISING PANTOPRAZOLE AND DOMPERIDONE

(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)Dr. Reddy™s Laboratories Limited**

Address of Applicant :Dr. Reddy™s Laboratories Limited 7-1-27 Ameerpet Hyderabad Andhra Pradesh India.

**2)Dr.Reddy™s Laboratories Inc.**

(72)Name of Inventor :

**1)Irfan Bilal Babla**

**2)Shiva Kumar Mantri**

**3)Vijayaraghavan Thiruvur Panchanathan**

**4)Thummala Veera Raghava Raju**

**5)Tharlapu Satya Sankarsana Jagan Mohan**

**6)Noru Anil Kumar**

**7)Raja Kumar Seshadri**

(57) Abstract :

The present invention relate to pharmaceutical formulations comprising combination of delayed release form of pantoprazole or a pharmaceutically acceptable salt thereof and sustained release form of domperidone together with one or more pharmaceutically acceptable excipients. Further the present invention relate to processes for preparing such pharmaceutical formulations and usefulness thereof in treating gastro-esophageal reflux disease reflux esophagitis peptic ulcer gastric ulcer and other gastric acid related disorders.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.766/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :29/02/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : GRAVITY BUOYANCY OBJECT TURBINE

(51) International classification	:F03B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MANOJ. V
(32) Priority Date	:NA	Address of Applicant :BNRA-192, NCC ROAD,
(33) Name of priority country	:NA	AMBALAMUKKU, TRIVANDRUM - 695 005 Kerala India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MANOJ. V
(87) 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 Gravity-Buoyancy Object Turbine (GBOT) is provided to generate kinetic energy using gravitational force and buoyancy force exist in the nature. The turbine of the invention has a gravity (air) chamber and a buoyancy (liquid) chamber, arranged side-by-side in such a way that both gravity and buoyancy exerts force directly and continuously on the shaft/drum/belt to cause the rotation of the turbine. The turbine blades (objects) forms the shape of a wheel, which enables leak-proof and resistance-free transfer between air and liquid chambers. The objects could be cylindrical and rotating by its own. The material, size and shape of key components and related control mechanisms of GBOT are optimized to deliver maximum performance. Electro-mechanical control system also could be employed to manage the leak-proof and resistance-free transfer of objects between air and liquid chambers.

No. of Pages : 36 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.798/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : A NOVEL FORMULATION OF STOMATIC GARGLE FOR THE PROPHYLAXIS AND HEALING OF SORE THROAT

(51) International classification	:A61K 31/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)RAMACHANDRAN RADHAKRISHNAN
(32) Priority Date	:NA	Address of Applicant :B1/1202, SOUTH CITY, AREKERE
(33) Name of priority country	:NA	MICO LAYOUT, BANERGHATTA ROAD, BANGALORE -
(86) International Application No	:NA	560 076 Karnataka India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)RAMACHANDRAN RADHAKRISHNAN
(61) Patent of Addition to Application Number	:NA	2)SHAJI PAULDSE
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention is about an oral, alcohol free, antiseptic, analgesic and anti inflammatory solution developed to relieve pharyngitis, laryngitis and other forms of sore throat either by mouth washing, gargling or mouth irrigation. The composition effectively acts on sore throats or throat pain caused by swelling (inflammation) of the upper respiratory tract. The composition consists of a unique blend of Non Steroidal anti-inflammatory drugs (NSAIDs), Cineole, Thymol, Menthol and Methyl Salicylate dissolved in a pure form of N, N, Dimethyl Hexanamide hereinafter referred to as Avignasol,, and other co-solvents. The composition also contains required flavor, colours and stabilizers.

No. of Pages : 76 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION

(21) Application No.831/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :05/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : NASAL FILTER

(51) International classification	:A61M	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)DHAWALE SUDHIR PAUL</b>
(32) Priority Date	:NA	Address of Applicant :PLOT NO. 19 & 20, BRINDAVAN
(33) Name of priority country	:NA	LAYOUT, JAYANAGAR, VIDYANAGAR, HUBLI 580 021
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)DHAWALE SUDHIR PAUL</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 a flexible and insertable nasal filter for humans to be inserted into nasal cavity. In particular, the invention relates to a nose filter device which can be easily worn and covers the nostril area of the nose to filter the impurities of air. More particularly, the present invention relates to a disposable nose filter device which can prevent human fi-om being inhaled various harmful substances such as germs, bacteria, second hand smoke or other deleterious particles.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.786/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :01/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : BIOPROCESS TECHNOLOGY FOR THE MASS PRODUCTION OF AN AQUACULTURE PROBIOTIC MICROCOCCUS MCCB 104

(51) International classification	:C12N	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)M/S COCHIN UNIVERSITY OF SCIENCE &amp; TECHNOLOGY</b>
(32) Priority Date	:NA	Address of Applicant :LAKESIDE CAMPUS, FINE ARTS AVENUE, COCHIN - 682 016 Kerala India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)PREETHA R.</b>
Filing Date	:NA	<b>2)JAYAPRAKASH N.S.</b>
(87) International Publication No	: NA	<b>3)ROSAMMA PHILIP</b>
(61) Patent of Addition to Application Number	:NA	<b>4)I.S. BRIGHT SINGH</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a bioprocess technology for the mass production of an aquaculture probiotic Micrococcus MCCB 104 comprising the steps i) one dimensional screening and after statistical analysis fixing the optimum range for each parameter, i.e 0-25 g/ L for sodium chloride concentration, 6-7 for pH and 25 to 35°C for temperature ii) doing second step optimization using a full factorial central composite design of response surface methodology iii)using a combination of factors such as sodium chloride concentration 2.21% (w/v), pH 6.75 and temperature 26.34°C in case of biomass of Micrococcus sodium chloride, pH 6.42 and temperature 28.06° C in case of the antagonistic compound.

No. of Pages : 11 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.787/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :01/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : BIOPROCESS TECHNOLOGY FOR THE MASS PRODUCTION OF AN AQUACULTURE PROBIOTIC PSEUDOMONAS MCCB 103

(51) International classification

:C12N

(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 COCHIN UNIVERSITY OF SCIENCE & TECHNOLOGY**

Address of Applicant :LAKESIDE CAMPUS, FINE ARTS AVENUE, COCHIN - 682 016 Kerala India

(72)Name of Inventor :

**1)PREETHA R.**

**2)JAYAPRAKASH N.S.**

**3)ROSAMMA PHILIP**

**4)I.S. BRIGHT SINGH**

(57) Abstract :

This invention relates to a bioprocess technology for the mass production of an aquaculture probiotic pseudomonas MCCB 103 comprising the steps: - one dimensional screening after statistical analysis followed by fixing optimum range for each parameter for further optimization i.e 0-20 g/L for sodium chloride concentration, 6-7 for pH and 25 to 35°C for temperature ii) doing second step optimization using full factorial central composite design of response surface methodology iii)using combination of factor such as sodium chloride concentration 0.5% (W/V), pH7 and temperature 25°C for biomass of Pseudomonas MCCB 103 and sodium chloride 0.5% (W/V), pH7 and temperature 25.32°C for antagonistic compound pyocyanin iv)optimization of medium ingredients i.e mannitol 0.2-2%, glycerol 0.2-2% sodium chloride 0.5-1.5%, urea 0.1-0.4% and mineral salt solution 0.5-2% (v/v) fusing central composite design of response surface methodology at final stage.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.760/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :29/02/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR OPTIMIZING THE PERFORMANCE OF AN APPLICATION COMMUNICATING OVER A NETWORK

(51) International classification	:H05B	(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)KARTHIKEYAN BALAJI DHANAPAL</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Systems and methods for optimizing the performance of an application, as described, may include determining an arrival time of a packet at a network emulator node by the network emulator node, wherein the packet is transmitted from a node to the network emulator node over the network, establishing a packet ordering queue at the network emulator node, applying a maximum delay time by the network emulator node, applying a minimum delay time by the network emulator node, and computing a packet departure time for the packet from the network emulator node. A preferred embodiment may additionally include the determination of a bandwidth delay time, where the applicable network bandwidth is imposed by the network emulator node.

No. of Pages : 27 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.789/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :01/03/2012

(43) Publication Date : 06/09/2013

(54) Title of the invention : NOVEL PROCESS FOR THE PREPARATION OF PROSTAGLANDIN DERIVATIVES

(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)MUPPA KISHORE KUMAR</b>
Filing Date	:NA	<b>3)GHOJALA VENKAT REDDY</b>
(62) Divisional to Application Number	:NA	<b>4)MUDDASANI RAMAKRISHNA</b>
Filing Date	:NA	

(57) Abstract :

The present invention relates to a novel process for the preparation of Isopropyl (Z)-7-[(1R,2R,3R,5S)-3,5-dihydroxy-2-[(3R)-3-hydroxy-5-phenylpentyl]-cyclopentyl]-5-heptenoate represented by structural formula-1. The present invention also relates to novel intermediates for the preparation of Isopropyl (Z)-7-[(1R,2R,3R,5S)-3,5-dihydroxy-2-[(3R)-3-hydroxy-5-phenylpentyl]-cyclopentyl]-5-heptenoate.

No. of Pages : 23 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1004/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/04/2013

(43) Publication Date : 06/09/2013

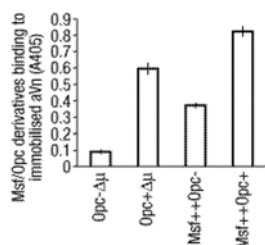
(54) Title of the invention : VACCINE AGAINST N. MENINGITIDIS

(51) International classification :A61K39/095  
(31) Priority Document No :1015132.2  
(32) Priority Date :10/09/2010  
(33) Name of priority country :U.K.  
(86) International Application No :PCT/EP2011/065675  
Filing Date :09/09/2011  
(87) International Publication No :WO 2012/032169  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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BELGIUM  
(72)**Name of Inventor :**  
**1)VIRJI, Mumtaz**

(57) Abstract :

The present invention relates to immunogenic compositions and vaccines for the treatment and prevention of Neisserial disease. Immunogenic compositions of the invention comprise the Hsf (also called Msf) and Opc neisserial antigens. These antigens have been found to be the two mechanisms by which Neisseria meningitidis binds host vitronectin (in order to promote adhesion and/or to evade host complement mediated killing). Vaccines comprising both antigens can thus advantageously result in an immune response which is better able to kill neisserial strains and otherwise prevent vitronectin-related neisserial complement mediated killing resistance and/or neisserial adhesion events required for pathogenesis.



No. of Pages : 77 No. of Claims : 84

(54) Title of the invention : TAMPER INDICATING SECURITY BAG

(51) International classification :B65D33/34,B31B37/00  
 (31) Priority Document No :1017734.3  
 (32) Priority Date :20/10/2010  
 (33) Name of priority country :U.K.  
 (86) International Application No :PCT/GB2011/001507  
     Filing Date :20/10/2011  
 (87) International Publication No :WO 2012/052720  
 (61) Patent of Addition to Application Number :NA  
     Filing Date :NA  
 (62) Divisional to Application Number :NA  
     Filing Date :NA

(71)Name of Applicant :

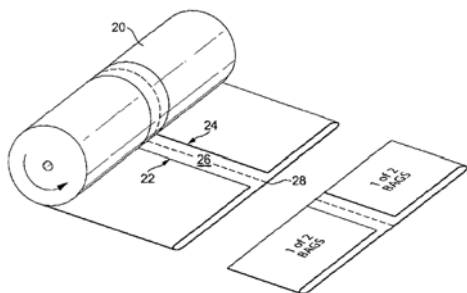
**1)BRITTON DECOFLEX LTD.**Address of Applicant :C/O Britton Taco Ltd, Road One  
Industrial Estate, Winsford, Cheshire CW7 3RD, U.K.

(72)Name of Inventor :

**1)LUFFMAN, David**

(57) Abstract :

A method of manufacturing tamper indicating security bags (e.g for the transportation of cash) from plastic film. The method comprises (a) forming an elongate rectangular strip of plastics film material; and (b) folding the opposed long edges of the strip towards the centre to form a pair of flaps with a gap between their inside edges, which leaves the central area of the strip exposed; or the method comprises (a) forming an elongate flattened tube of plastics film material; (b) cutting the tube longitudinally to form a pair of flaps in the overlying material of the flattened tube; and (c) exposing a central area of the underlying material in a gap between the pair of flaps. In either case the method also includes (i) selectively applying layers of adhesive and ink, adapted to form a tamper-evident sealing means, to the central area; (ii) slitting the strip down the middle of the central area to form a pair of elongate folded strips; and (iii) cutting the folded strips transversely at equal intervals, to form individual folded sections of material which can be turned into bags for example by heat sealing the cut edges.



No. of Pages : 24 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1006/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : SINGLE-POINT-OF-ACCESS CYBER SYSTEM

(51) International classification	:G06Q50/00,G06F21/00	(71)Name of Applicant :
(31) Priority Document No	:12/908,162	<b>1)ARONSON, Jeffry</b>
(32) Priority Date	:20/10/2010	Address of Applicant :13451 Wetmore Road, San Antonio, TX
(33) Name of priority country	:U.S.A.	78247, U.S.A.
(86) International Application No	:PCT/US2011/056931	(72)Name of Inventor :
Filing Date	:19/10/2011	<b>1)ARONSON, Jeffry</b>
(87) International Publication No	:WO 2012/054637	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The system and system components of the present invention provide individuals with both a safe and a secure cyber environment. Within this safe and secure cyber environment each individual and each cyber device is properly identified for all cyber interactions with others and for all cyber interactions with the cyber devices of others. The system also provides individuals with privacy for the individual's cyber activities and cyber assets. Further, the system provides for environment wide interoperable use of any cyber device, cyber programming, and cyber content.

No. of Pages : 120 No. of Claims : 55

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1007/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : CONTENT ROUTER FORWARDING PLANE ARCHITECTURE

(51) International classification	:H04L12/56
(31) Priority Document No	:61/389,548
(32) Priority Date	:04/10/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CN2011/073770
Filing Date	:06/05/2011
(87) International Publication No	:WO 2012/045240
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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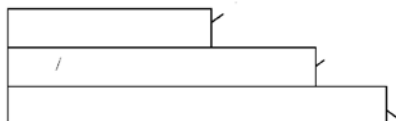
(72)Name of Inventor :

**1)WU, Jianming**

**2)SHI, Guangyu**

(57) Abstract :

A router forwarding plane comprising a bloom filter stored on a first tier storage medium, and a forwarding information log associated with the bloom filter and stored on a second tier storage medium. Also disclosed is a network component comprising a receiver configured to receive a content comprising a general name prefix, a first tier storage medium configured to store a plurality of bloom filters associated with a plurality of general name prefixes and a plurality of corresponding ports, a logic circuitry configured to compute a plurality of signatures based on the general name prefix of the received content, and a transmitter configured to forward the received content on at least one of the ports that are associated with at least one of the bloom filters if the general name prefix is a member of the at least one of the bloom filters.

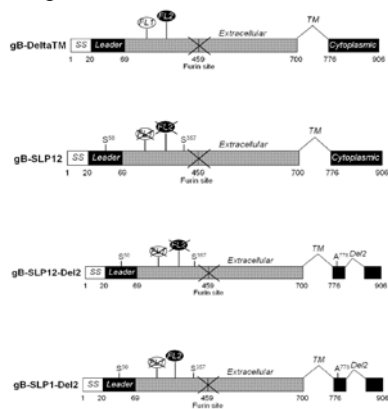


No. of Pages : 40 No. of Claims : 24

(54) Title of the invention : CYTOMEGALOVIRUS GB ANTIGEN

<div>(51) International classification :A61K39/245,C07K14/045</div> <div>(31) Priority Document No :61/393,413</div> <div>(32) Priority Date :15/10/2010</div> <div>(33) Name of priority country :U.S.A.</div> <div>(86) International Application No :PCT/EP2011/068040</div> <div>    Filing Date :14/10/2011</div> <div>(87) International Publication No :WO 2012/049317</div> <div>(61) Patent of Addition to Application :NA</div> <div>Number :NA</div> <div>    Filing Date :NA</div> <div>(62) Divisional to Application Number :NA</div> <div>    Filing Date :NA</div>	<div>(71)Name of Applicant :     <b>1)GLAXOSMITHKLINE BIOLOGICALS S.A.</b>     Address of Applicant :rue de L'Institut 89, B-1330 Rixensart     BELGIUM</div> <div>(72)Name of Inventor :     <b>1)BAUDOUX, Guy, Jean, Marie, Fernand, Pierre</b>     <b>2)BLAIS, Normand</b>     <b>3)MARCHAND, Martine</b></div>
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(57) Abstract :  
The invention relates to a cytomegalovirus (CMV) gB polypeptide comprising at least a portion of a gB protein extracellular domain comprising a fusion loop 1 (FL1) domain and a fusion loop 2 (FL2) domain, wherein at least one of the FL1 and FL2 domains comprises at least one amino acid deletion or substitution.



No. of Pages : 99 No. of Claims : 49

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1001/KOLNP/2013 A

(43) Publication Date : 06/09/2013

(54) Title of the invention : MULTILAYERED CELLULAR METALLIC GLASS STRUCTURES

(51) International classification :B32B15/04,C22C45/00,C22C1/00

(31) Priority Document No :61/384,641

(32) Priority Date :20/09/2010

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/052378

Filing Date :20/09/2011

(87) International Publication No :WO 2012/040217

(61) Patent of Addition 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)DEMETRIOU, Marios, D.**

**2)JOHNSON, William, L.**

(57) Abstract :

Multi-layered cellular metallic glass structures and methods of preparing the same are provided. In one embodiment, the cellular metallic glass structure includes at least one patterned metallic glass sheet and at least one additional sheet. The at least one patterned metallic glass sheet may include multiple sheets connected together to form a group of sheets, and the structure may include a group of sheets sandwiched between two outer sheets. The patterned metallic glass sheets may be patterned by thermoplastically forming two- and/or three- dimensional patterns in the metallic glass sheets. The metallic glass cellular structures are useful in a wide variety of applications, including but not limited to blast protection applications, energy absorption applications, structural support applications, biomedical implant applications, heat exchanger applications, thermal management applications, electrical shielding applications, magnetic shielding applications, and debris and radiati.

No. of Pages : 35 No. of Claims : 27



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1002/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

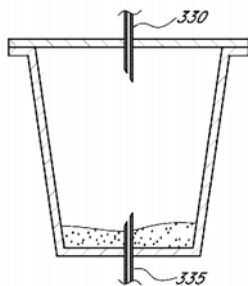
(54) Title of the invention : INSTANT BEVERAGE CARTRIDGES AND METHODS

(51) International classification :B65D85/804  
(31) Priority Document No :61/383,564  
(32) Priority Date :16/09/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2011/051842  
Filing Date :15/09/2011  
(87) International Publication No :WO 2012/037409  
(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)STARBUCKS CORPORATION D/B/A STARBUCKS COFFEE COMPANY**  
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(72)Name of Inventor :  
**1)CAMERA, Paul**  
**2)JONES, Thomas, M.**  
**3)WAGNER, Mary**

(57) Abstract :

Present embodiments generally relate to a single- serve beverage cartridge (300) for use with a single- serve coffee brewer. In some embodiments, the cartridge (300) includes a cup (305), a lid (310), and a single serving of instant coffee or another instant beverage component (328). The cartridge (300) is configured to be pierced by piercing members (330, 335), which provide an opening for liquid to flow into and/or out of the cartridge (300). In certain instances, the cartridge (800) includes an insert (850) configured to facilitate mixing of the instant beverage component (828) with the liquid. In some embodiments, the instant beverage component (1028) is compressed. The cartridge (300) does not include a filter or a barrier configured to retain non- liquid matter within the cartridge (300).



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1003/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : HEAT TRACE SYSTEM INCLUDING HYBRID COMPOSITE INSULATION

(51) International classification :E04C1/00  
(31) Priority Document No :61/383,258  
(32) Priority Date :15/09/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2011/051799  
Filing Date :15/09/2011  
(87) International Publication No :WO 2012/037374  
(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)PENTAIR THERMAL MANAGEMENT LLC**  
Address of Applicant :307 Constuition Drive Menlo Park, CA  
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(72)**Name of Inventor :**  
**1)CHAKKALAKAL, Franco**

(57) Abstract :

A fluid pipeline has a first end and a second end. An elongated heat trace element comprised of first and second heat tubes is aligned and coupled to at least a portion of an outer surface of the fluid pipeline. The outer surface of fluid pipeline carries a first insulation material covering a first portion of the outer surface. The outer surface of the fluid pipeline further carries a second insulation material covering a second portion of the outer surface and wherein the second portion of the outer surface is different than the first portion of the outer surface. The first and second insulation materials are configured to cover the outer surface of the fluid pipeline. The fluid pipeline further comprises a third insulation material carried over a second outer surface defined by the cooperation of the first and second insulation materials.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1069/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : SCROLL COMPRESSOR

(51) International classification	:F04C18/02
(31) Priority Document No	:2010-249925
(32) Priority Date	:08/11/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/006233
Filing Date	:08/11/2011
(87) International Publication No	:WO 2012/063471
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
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JAPAN  
(72)**Name of Inventor :**  
**1)Masateru YAMAMOTO**  
**2)Youhei NISHIDE**  
**3)Yoshitomo TSUKA**

(57) Abstract :

A scroll compressor (10) of the present invention comprises a fluid path (4) which provides communication between: a high-pressure cavity (54) capable of communicating with a discharge port (32); and a back-pressure cavity (56) capable of communicating with an intermediate port (33). The fluid path (4) is provided with a sealing ring (1) which closes the fluid path (4) when the pressure of the back-pressure cavity (56) is less than the pressure of the high-pressure cavity (54), and opens the fluid path (4) when the pressure of the back pressure cavity (56) is greater than the pressure of the high-pressure cavity (54).

No. of Pages : 54 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1062/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : BASE STATION AND RESOURCE ALLOTMENT METHOD, IN MOBILE COMMUNICATION SYSTEM

(51) International classification	:H04W72/12
(31) Priority Document No	:2010-271750
(32) Priority Date	:06/12/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/077405
Filing Date	:28/11/2011
(87) International Publication No	:WO 2012/077525
(61) Patent of Addition 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)SAGAE, Yuta**  
**2)ISHII, Hiroyuki**  
**3)OOKUBO, Naoto**  
**4)UMESH, Anil**

(57) Abstract :

A base station comprises a scheduler control unit for controlling the operation of scheduling an up link and a down link. The scheduler control unit controls the operation of the scheduling of the up link and the down link according to: a first standard that makes a sub-frame of a user's apparatus that includes UL data started before a sub-frame of the base station that does not include DL data ends; a second standard that makes a sub-frame of the user's apparatus that does not include UL data started before a sub-frame of the base station that includes DL data ends; or a third standard that makes a sub-frame of the user's apparatus that includes a signal other than ACK/NACK signals started before the sub-frame of the base station that includes DL data ends.

No. of Pages : 42 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1063/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : MEMBRANE VACUUM PUMP

(51) International classification :A61M1/06,F04B35/04  
(31) Priority Document No :1502/10  
(32) Priority Date :17/09/2010  
(33) Name of priority country :Switzerland  
(86) International Application No :PCT/CH2011/000171  
Filing Date :21/07/2011  
(87) International Publication No :WO 2012/034238  
(61) Patent of Addition 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 :Lttichstrasse 4b, CH-6340 Baar

SWITZERLAND

(72)Name of Inventor :

**1)FELBER, Armin**

**2)WEBER, Beda**

**3)KOCH, Roland**

**4)FURRER, Etienne**

(57) Abstract :

The invention relates to a membrane vacuum pump comprising an electrically operated drive unit and a vacuum membrane (94), which separates a pump chamber (96) into a drive-side part and a non-drive-side part and which can be deflected by means of a movable part (92) of the drive unit. The drive unit is an electromagnetic drive unit, and the vacuum membrane (94) is deflected in the direction of a linear motion produced electromagnetically in the drive unit. A venting valve (903) is preferably also actuated by means of said movable part (92). Said vacuum pump is relatively small and compact and operates with little noise. Said vacuum pump is suited in particular for hands-free applications of breast pumps.

No. of Pages : 40 No. of Claims : 18

(54) Title of the invention : SPECTROMETER WITH ADJUSTABLE DEFLECTOR FOR CONTROLLING ALIGNMENT OF DISPERSED LIGHT ON DETECTOR, FOR OPTICAL COHERENCE TOMOGRAPHY

(51) International classification :G01J3/02,G02B26/08,G01B9/02  
 (31) Priority Document No :12/904,681  
 (32) Priority Date :14/10/2010  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/US2011/056051  
 Filing Date :13/10/2011  
 (87) International Publication No :WO 2012/051363  
 (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)ALCON LENSX, INC.**

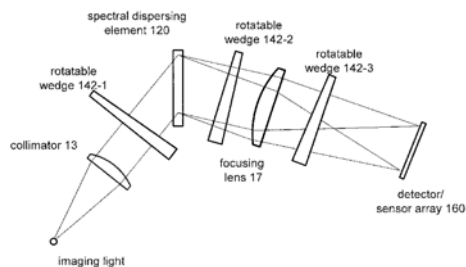
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(72)Name of Inventor :

**1)RAKSI, Ferenc**

(57) Abstract :

A spectrometer is presented that includes a spectrally dispersive optical element (120) to spectrally disperse a received light, a leveraged-optics adjustable deflector (142-1, 142-2, 142-3) to adjustably deflect the spectrally dispersed light, and a detector array (160) to receive the spectrally dispersed and adjustably deflected light. The received light can include an interference beam combined from a returned image beam and a reference beam in a Spectral Domain Optical Coherence Tomograph. The detector array can include a linear sensor array. The leveraged-optics adjustable deflector can include an optical element with an adjustable transmissive property or an adjustable reflective property, wherein the adjustable deflector is adjustable by a mechanical adjustment being optically leveraged into a smaller optical adjustment.



No. of Pages : 30 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :16/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : SYSTEM AND METHOD FOR UTILIZING MOBILE TELEPHONES TO COMBAT CRIME

(51) International classification	:G06Q40/04
(31) Priority Document No	:61/385857
(32) Priority Date	:23/09/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/052488
Filing Date	:21/09/2011
(87) International Publication No	:WO 2012/040287
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

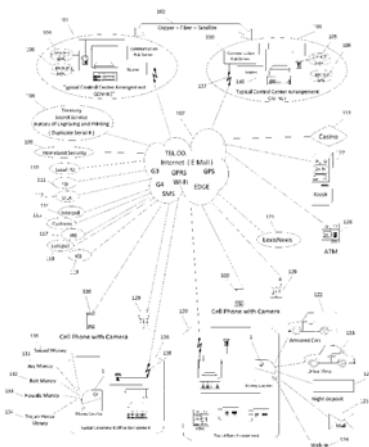
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**1) PARASKEVAKOS, Theodore, G.**  
 Address of Applicant : 2331 York Road, Suite 100, Timonium,  
 MD 21093 U.S.A.

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**2) GEORGE, Christopher, G.**  
**3) CRAMER, Steven, J.**  
**4) PERUMAL, Sabarikanth**  
**5) LIAKOPOULOS, Petros**  
**6) AMBARSOOM, Hamlet**

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(57) Abstract :

The system and method described herein may validate and trace currency serial numbers, which may be extracted from the currency with a mobile telephone camera. The mobile telephone may use a messaging service to transmit the extracted serial numbers to a data processing facility, which may then compare the serial numbers transmitted from the mobile telephone to a list that includes information identifying currencies that are invalid, counterfeit, or known to be associated with criminal activities. In response to the extracted serial numbers matching any of the identifying information in the list, the currency may be deemed invalid. Furthermore, biometric information or information read from identification documents associated with an individual using the invalid or wanted currency may be obtained to help later identify the individual, and triangulation techniques may be used to track the mobile telephone and apprehend the individual.



No. of Pages : 49 No. of Claims : 53

(54) Title of the invention : IMPROVED PROCESS FOR POLYMERISING PROPYLENE

(51) International classification :C08F10/06,C08F2/00,C08F4/646  
 (31) Priority Document No :10190992.7  
 (32) Priority Date :12/11/2010  
 (33) Name of priority country :EPO  
 (86) International Application No :PCT/EP2011/069614  
 Filing Date :08/11/2011  
 (87) International Publication No :WO 2012/062735  
 (61) Patent of Addition 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)PAAVILAINEN, Juha****2)LESKINEN, Pauli****3)HAKOLA, Sameli****4)SANDHOLZER, Daniel****5)GREIN, Christelle**

(57) Abstract :

Process for producing a propylene homopolymer, a propylene random copolymer or a heterophasic propylene polymer, which process comprises the steps of (a) prepolymerisation, (b) slurry phase polymerisation (c) gas phase polymerisation and optionally (d) one or two further gas phase polymerisation(s), whereby the process is performed in the presence of a catalyst system comprising (x) a Ziegler-Natta procatalyst and (y) an organometallic cocatalyst and (z) an external donor represented by formula (II) and/or (III)  $\text{Si}(\text{OCH}_2\text{CH}_3)_3(\text{NR}_1\text{R}_2)$  (II) or  $\text{R}_3\text{nR}_4\text{mSi}(\text{OR}_5)_z$  (III) wherein R1 and R2 can be the same or different and represent a hydrocarbon group having 1 to 12 carbon atoms and R3 and R4 can be the same or different and represent a hydrocarbon group having 1 to 12 carbon atoms, R5 is methyl or ethyl, z is 2 or 3, preferably 2, m is 0 or 1, n is 0 or 1, with the proviso that  $n + m + z = 4$ , the external donor being added in an amount of 3 to 30 wt%, based on the total amount of external donor added, to the prepolymerisation step and in an amount of 70 to 97 wt%, based on the total amount of external donor added, to the slurry polymerisation step.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1020/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : WEIGHING MODULE FOR MEASURING WHEEL CONTACT FORCES

(51) International classification :G01G19/04  
(31) Priority Document No :10 2010 047 234.4  
(32) Priority Date :04/10/2010  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2011/004907  
Filing Date :30/09/2011  
(87) International Publication No :WO 2012/045422  
(61) Patent of Addition 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)RETTIG, Manfred**  
**2)MATICH, Walter**

(57) Abstract :

The present invention relates to a weighing module for measuring wheel contact forces of rail-bound vehicles, comprising a measuring rail (1) and a number of strain gauges (2), wherein the strain gauges (2) are applied directly on the measuring rail (1). The measuring rail (1) comprises a load introduction region, made of at least one load introduction part (3), and at least two deformation bodies (4), which are connected fixedly in each case to a load output plate (5) and, via a hinge (6), to the load introduction region. The strain gauges (2) are arranged on the deformation bodies (4) and capture the shear strain acting between the hinges (6) and load output plates (5).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1021/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : HYBRID HYDRAULIC SYSTEMS FOR INDUSTRIAL PROCESSES

(51) International classification :F04B49/00,F04B49/10  
(31) Priority Document No :61/393,556  
(32) Priority Date :15/10/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2011/056406  
Filing Date :14/10/2011  
(87) International Publication No :WO 2012/051560  
(61) Patent of Addition 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)YUAN, Qinghui**  
**2)GANGULI, Ankur**

(57) Abstract :

A hydraulic drive system for driving a load includes a drive shaft; first and second hydraulic pumps driven by the drive shaft, and a control system that operates the hydraulic drive system in a plurality of modes including: a) a first mode where the second hydraulic pump pumps hydraulic fluid from a supply line to an accumulator; b) a second mode where the second hydraulic pump pumps hydraulic fluid from the accumulator to the supply line; c) a third mode where the second hydraulic pump pumps hydraulic fluid from the supply line to a reservoir; and d) a fourth mode where the second hydraulic pump pumps hydraulic fluid from the reservoir to the supply line. At least the second hydraulic pump is a variable displacement bidirectional pump.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1091/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : SYRINGE TYPE PUMP

(51) International classification :A61M5/158,A61M5/142  
(31) Priority Document No :10187141.6  
(32) Priority Date :11/10/2010  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2011/067535  
Filing Date :07/10/2011  
(87) International Publication No :WO 2012/049080  
(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)PharmaSens AG**

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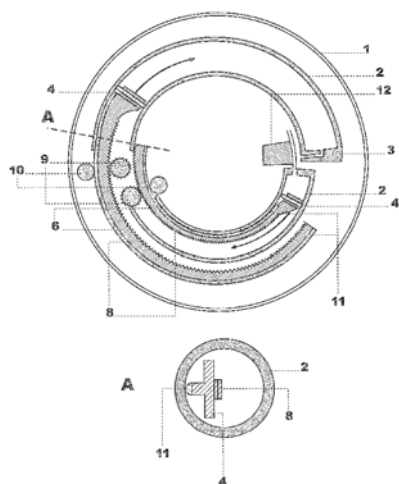
(72)Name of Inventor :

**1)HADVÁRY, Paul**

**2)TSCHIRKY, Hansjörg**

(57) Abstract :

In a syringe type pump with a barrel (2) and a piston (4) movable in the interior of the barrel the barrel has the shape of a segment of a toroidal tube (2) and the piston is moved by means of a driving rod (6) which is guided and supported by the inner surface of the barrel wall. By the toroidal shape the overall size of the pump is significantly reduced and by guiding and supporting the driving rod of the piston by the inner surface of the barrel wall intrinsic problems of tightness, stick- slip phenomena and blockage are solved. A device for injecting fluid into a patient's body or removing body fluid therefrom is using a syringe type pump with a toroidal barrel and a driving rod of the piston guided and supported by the inner surface of the barrel wall.



No. of Pages : 29 No. of Claims : 25

(54) Title of the invention : WIND TURBINE ALTERNATOR MODULE

(51) International classification :F03D9/00,F03D11/00,F03D1/00  
 (31) Priority Document No :12/886,518  
 (32) Priority Date :20/09/2010  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/US2011/052079  
 Filing Date :19/09/2011  
 (87) International Publication No:WO 2012/040071  
 (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)WIND POWER CUBE, INC.**

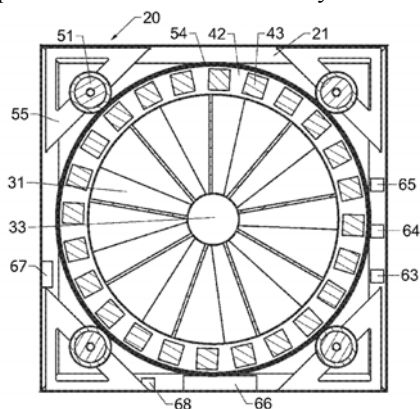
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(72)Name of Inventor :

**1)MORRISON, Daniel**

(57) Abstract :

A wind turbine alternator module having an enclosure, turbine and rotor assembly with peripheral magnets and multi-phase stator for the production of energy from air movement. A bi-directional symmetrical vane turbine and rotor assembly is suspended in the enclosure by guide bearings around the periphery to permit operation in all wind conditions. One or more wind turbine alternator modules are combined in a polygonal housing with bottom inlets and attached to a roof vent structure to generate power from wind and/or rising heated air. A low temperature heating circuit is used for protection in cold conditions. One or more wind turbine alternator modules are combined in a manually portable polygonal housing with storage batteries, charging circuit, inverter circuit, power connectors and ancillary convenience apparatuses such as lighting, radio, tv, and emergency locator.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1026/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : HIGH DENSITY JACK

(51) International classification :H01R13/74

(31) Priority Document No :12/889,996

(32) Priority Date :24/09/2010

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/050822

Filing Date :08/09/2011

(87) International Publication No :WO 2012/039949

(61) Patent of Addition to Application :NA

Number :NA

Filing Date

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)ORTRONICS, INC.**

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(72)Name of Inventor :

**1)DIETZ, William, H.**

**2)CUPPLES, Kenneth, A.**

**3)SCHLUETER, Richard, W.**

(57) Abstract :

The present disclosure provides for electrical connectors or jack assemblies/housings for use in voice/data communication systems. More particularly, the present disclosure provides for modular jack assemblies that include a movable locking member. The present disclosure provides for improved systems/designs for jack assemblies/housings that are easily secured and/or unsecured to or from a jack panel or jack faceplate. In exemplary embodiments, the present disclosure provides for convenient, low-cost and effective systems and methods for easily securing and/or unsecuring jack assemblies/housings to or from a jack panel/faceplate (e.g., in the field) by utilizing advantageous modular jack assemblies that include a movable locking member, and related assemblies.

No. of Pages : 32 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1027/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : LOW DENSITY AND HIGH STRENGTH FIBER GLASS FOR REINFORCEMENT APPLICATIONS

(51) International classification :C03C3/118,C03C13/00  
(31) Priority Document No :61/382,738  
(32) Priority Date :14/09/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2011/051555  
Filing Date :14/09/2011  
(87) International Publication No :WO 2012/037219  
(61) Patent of Addition 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)PETERS, JAMES, CARL**  
**2)SERRANO, Juan, Camilo**  
**3)LI, Hong**  
**4)PARKS, Steven, Joel**  
**5)RICHARDS, Cheryl, A.**

(57) Abstract :

The present invention relates to fiber glass strands, yarns, fabrics, composites, prepregs, laminates, fiber-metal laminates, and other products incorporating glass fibers formed from glass compositions. The glass fibers, in some embodiments, are incorporated into composites that can be used in reinforcement applications. Glass fibers formed from some embodiments of the glass compositions can have certain desirable properties that can include, for example, desirable electrical properties (e.g. low Dk) or desirable mechanical properties (e.g., specific strength).

No. of Pages : 77 No. of Claims : 37

(54) Title of the invention : HYBRID PHOTOVOLTAIC DEVICES AND APPLICATIONS THEREOF

(51) International classification :H01L31/052,H01L31/058,H01L31/0224  
 (31) Priority Document No :61/394,306  
 (32) Priority Date :18/10/2010  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/US2011/056727  
 Filing Date :18/10/2011  
 (87) International Publication No :WO 2012/054495  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

(71)Name of Applicant :

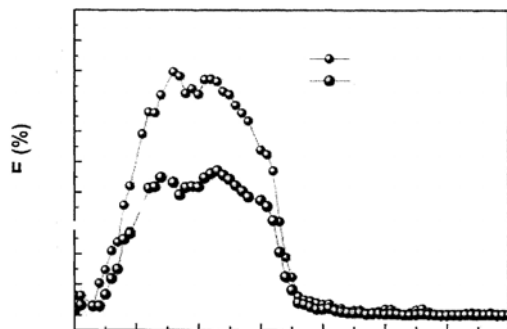
**1)WAKE FOREST UNIVERSITY**Address of Applicant :391 Technology Way, Suite 199,  
Winston-Salem, NC 27101 U.S.A.

(72)Name of Inventor :

**1)CARROLL, David L.**

(57) Abstract :

In one aspect, photovoltaic apparatus comprising electrical and thermal production capabilities are described herein. In some embodiments, an apparatus described herein comprises a conduit core comprising at least one radiation transmissive surface, a fluid disposed in the conduit core and a photoactive assembly at least partially surrounding the conduit core, the photoactive assembly comprising a radiation transmissive first electrode, at least one photosensitive layer electrically connected to the first electrode, and a second electrode electrically connected to the photosensitive layer.



No. of Pages : 49 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1094/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

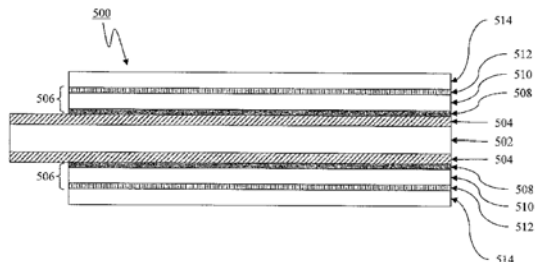
(54) Title of the invention : OPTOELECTRONIC DEVICES AND APPLICATIONS THEREOF

(51) International classification :H01L31/0352,H01L31/0376,H01L31/042  
(31) Priority Document No :61/394,319  
(32) Priority Date :18/10/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2011/056707  
Filing Date :18/10/2011  
(87) International Publication No :WO 2012/054477  
(61) Patent of Addition 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)CARROLL, David, L.**

(57) Abstract :

In one aspect, optoelectronic devices are described herein. In some embodiments, an optoelectronic device comprises a fiber core, a radiation transmissive first electrode surrounding the fiber core, at least one photosensitive inorganic layer surrounding the first electrode and electrically connected to the first electrode, and a second electrode surrounding the inorganic layer and electrically connected to the inorganic layer. In some embodiments, the device comprises a photovoltaic cell.



No. of Pages : 57 No. of Claims : 18



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1028/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : METHOD OF CUTTING AND INSTALLING CARPET TILES ON A FLOOR OF A MASS TRANSIT VEHICLE

(51) International classification :B60N3/04,B64C1/18,B64D11/00  
(31) Priority Document No :61/405,408  
(32) Priority Date :21/10/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2011/057029  
Filing Date :20/10/2011  
(87) International Publication No :WO 2012/054692  
(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)INTERFACE, INC.**  
Address of Applicant :2859 Paces Ferry Road, Suite 2000,  
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(72)**Name of Inventor :**  
**1)JONES, William N.**  
**2)JONES, Stuart**  
**3)BRADFORD, John P.**  
**4)HOBBS, James**  
**5)SHEPPARD, Joel**  
**6)WOODS, James Jr.**

(57) Abstract :

Method of cutting and installing carpet tiles on a floor of a mass transit vehicle, particularly including aircraft. The tile lengths in an installation are the same and the tile widths are customized to a particular section of the aircraft or other vehicle in which they are installed.

No. of Pages : 45 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1029/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : SHOT TREATMENT DEVICE

(51) International classification	:B24C3/24,B24C9/00	(71)Name of Applicant :
(31) Priority Document No	:2010-222731	1)SINTOKOGIO, LTD.
(32) Priority Date	:30/09/2010	Address of Applicant :28-12, Meieki 3-chome, Nakamura-ku,
(33) Name of priority country	:Japan	Nagoya-shi, Aichi 4500002 JAPAN
(86) International Application No	:PCT/JP2011/064578	(72)Name of Inventor :
Filing Date	:24/06/2011	1)YAMASHITA, Kyouji
(87) International Publication No	:WO 2012/042991	2)JUNG Young Gyo
(61) Patent of Addition to Application	:NA	3)SUZUKI, Tsunetoshi
Number	:NA	4)YAMAMOTO, Takuji
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This shot treatment device (10) is provided with: a holding jig (14) that is capable of rotating and sliding, and that holds a workpiece (12) on the axis of rotation; and a pair of centrifugal projectors (22, 24). The pair of centrifugal projectors: (22, 24) each have a rotatable impeller (60), the axis of rotation (A) of each impeller (60) being parallel to each other; are positioned offset to each other in the direction of the axes of rotation of the impellers (60); and are capable of projecting a projection material in parallel towards the workpiece (12) according to the rotation of the impellers (60). Since the offsetting of the projection material from one centrifugal projector (22) and the project material from the other centrifugal projector (24) is minimized by this configuration, the projection efficiency can be improved even when the projection material is projected from the pair of centrifugal projectors (22, 24).

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

## (54) Title of the invention : IMIDAZOTRIAZINONE COMPOUNDS

(51) International classification :C07D487/04,A61P25/00,A61K31/53

(31) Priority Document No :61/384,694

(32) Priority Date :20/09/2010

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/052399  
Filing Date :20/09/2011

(87) International Publication No :WO 2012/040230

(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)ENVIVO PHARMACEUTICALS, INC.**

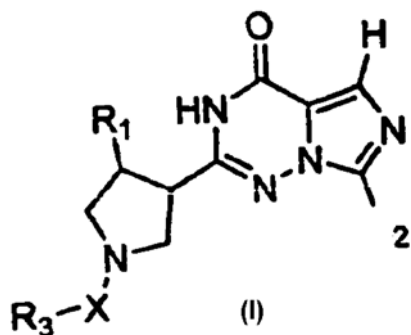
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## (72)Name of Inventor :

**1)RIPKA, Amy****2)SHAPIRO, Gideon****3)MCRINER, Andrew**

## (57) Abstract :

The present invention provides imidazotriazinone compounds which are inhibitors of phosphodiesterase 9. The present invention further provides processes, pharmaceutical compositions, pharmaceutical preparations and pharmaceutical use of the compounds in the treatment of PDE9 associated diseases or disorders in mammals, including CNS or neurodegeneration disorder.



No. of Pages : 201 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1097/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : A SYSTEM AND METHOD FOR STORING ENERGY AND PURIFYING FLUID

(51) International classification :F01K25/08,F01K3/00,F28D17/00

(31) Priority Document No :61/403,770

(32) Priority Date :20/09/2010

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/052171

Filing Date :19/09/2011

(87) International Publication No :WO 2012/040110

(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)STATE OF OREGON ACTING BY AND THROUGH THE STATE BOARD OF HIGHER EDUCATION ON BEHALF OF OREGON STATE UNIVERSITY**

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(72)Name of Inventor :

**1)PETERSON, Richard, B.**

**2)INGRAM-GOBLE, Robbie**

**3)HARADA, Kevin, J.**

(57) Abstract :

Embodiments of a system for storing and providing electrical energy are disclosed. Also disclosed are embodiments of a system for purifying fluid, as well as embodiments of a system in which energy storage and fluid purification are combined. One disclosed embodiment of the system comprises a latent heat storage device, a sensible heat storage device, a vapor expander/compressor device mechanically coupled to a motor/generator device, a heat-exchanger, and a liquid pressurization and depressurization device. The devices are fluidly coupled in a closed-loop system, and a two-phase working fluid circulates therein. Embodiments of a method for operating the system to store and generate energy also are disclosed. Embodiments of a method for operating the system to purify fluid, as well as embodiments of a method for operating a combined energy storage and fluid purification system are disclosed.

No. of Pages : 119 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1098/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

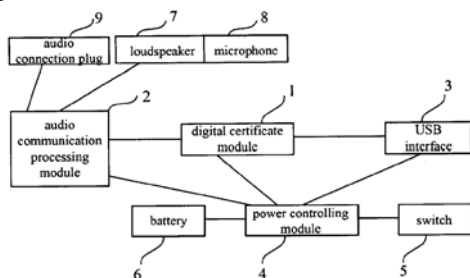
(54) Title of the invention : ELECTRONIC DEVICE FOR COMMUNICATING WITH EXTERNAL DEVICES BY AUDIO

(51) International classification :H04L9/32  
(31) Priority Document No :201020541295.0  
(32) Priority Date :25/09/2010  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2011/080123  
Filing Date :23/09/2011  
(87) International Publication No :WO 2012/037900  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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Haidian District, Beijing 100083, CHINA  
(72)Name of Inventor :  
**1)LI, Dongsheng**

(57) Abstract :

Disclosed is an electronic device that uses voice mode to communicate with external devices. The electronic device relates to the field of electronic technology applications. The electronic device comprises a security function module, a voice communication processing module and a voice signal connection component. The voice communication processing module connects both to the voice signal connection component and to the security function module. The voice communication processing module is used convert an analog signal to a digital signal by means of establishing a voice communication connection between the voice signal connection component and an external device such as a mobile phone, thereby enabling data exchange between the security function module and the mobile phone to which it has a communication connection.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1034/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : METHOD AND SYSTEM FACILITATING CONTROL STRATEGY FOR POWER ELECTRONICS INTERFACE OF DISTRIBUTED GENERATION RESOURCES

(51) International classification	:H02J3/38
(31) Priority Document No	:61/455,556
(32) Priority Date	:22/10/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/057297
Filing Date	:21/10/2011
(87) International Publication No	:WO 2012/058114
(61) Patent of Addition 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)ALATRASH, Hussam**  
**2)KUTKUT, Nasser**

(57) Abstract :

The invention discloses a method and a system for implementing a control strategy for Distributed Generation (DG) units. The control strategy is implemented in such a fashion so that a DG unit behaves similar to a synchronous generator. The method also describes grouping of multiple DG units to form a micro grid by using a supervisory control agent. The micro grids may further be arranged in a hierarchy.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1036/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : PROCESS FOR PREPARING PROPYLENE POLYMERS WITH AN ULTRA HIGH MELT FLOW RATE

(51) International classification :C08F210/06,C08F4/646,C08L23/10  
(31) Priority Document No :10191004.0  
(32) Priority Date :12/11/2010  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2011/069616  
Filing Date :08/11/2011  
(87) International Publication No :WO 2012/062737  
(61) Patent of Addition 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)PAAVILAINEN, Juha**

**2)LESKINEN, Pauli**

(57) Abstract :

Process for the production of propylene homo- or copolymers with an MFR2 (230°C, 2.16kg, ISO 1133) in the range of 800 to 3000 g/10min, said process comprises the steps of a) polymerising propylene and optionally an ethylene and/or C4- C12 alpha-olefin comonomer in a slurry reactor in the presence of a polymerisation catalyst system, obtaining as slurry reactor product a first propylene homo- or copolymer component with an MFR2 (230°C, 2.16kg, ISO 1133) in the range of 1000 to 4000 g/10min, b) transferring the slurry reactor product into a gas phase reactor c) further polymerising propylene and optionally an ethylene and/or C4-C12 alpha-olefin comonomer in the presence of said slurry reactor product and the polymerisation catalyst system d) optionally recovering the so produced propylene homo- or copolymer for further processing, said polymerisation catalyst system comprises (i) a Ziegler-Natta procatalyst (ii) an organometallic cocatalyst and (iii) an external donor represented by formula (I) Si(OCH2CH3)3(NR1 R2) (I) wherein R1 and R2 can be the same or different and represent a hydrocarbon group having 1 to 12 carbon atoms; and the use of such prepared polymers for blow moulding applications.

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

(21) Application No.1100/KOLNP/2013 A

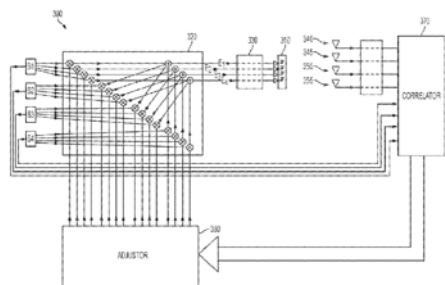
(43) Publication Date : 06/09/2013

(51) International classification	:H01Q3/26,H01Q1/52
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/IB2010/054322
Filing Date	:24/09/2010
(87) International Publication No	:WO 2012/038783
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
**1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)**  
 Address of Applicant :S-164 83 Stockholm, SWEDEN

(72)**Name of Inventor :**  
**1)MCGOWAN, Neil**  
**2)DEANE, Peter**

Methods and devices for removing cross coupling effects between elements of an antenna array (110) are provided. Cross coupling coefficients between all pairs of antenna elements of the antenna array are predetermined to minimize a total power in theoretical null points calculated without considering the cross element effects. A transceiver (100) includes a multiplexing block (105) configured to receive data signals to be transmitted via the antenna elements and to output to at least one of the antenna elements, a sum signal including (i) a data signal, which data signal is designated for the at least one antenna element, and (ii) a linear combination of data signals designated for other antenna elements of the antenna array, each of the data signals in the linear combination being weighted by a respective cross coupling coefficient between the at least one antenna element and an antenna element emitting the each of the data signals.



No. of Pages : 41 No. of Claims : 24



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1101/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : ASSISTANCE SYSTEM FOR STEERING A MACHINE TOOL

(51) International classification :B23Q17/22  
(31) Priority Document No :2010904998  
(32) Priority Date :10/11/2010  
(33) Name of priority country :Australia  
(86) International Application No :PCT/AU2011/001451  
Filing Date :10/11/2011  
(87) International Publication No :WO 2012/061890  
(61) Patent of Addition 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)CARLI, Louis**

(57) Abstract :

The invention relates to systems for steering machine tools and in particular to systems that display information to an operator of the machine tool. Such a system comprises a manually controlled cutting tool. The system receives data that defines a model of a desired cut to be made on a workpiece by the cutting tool. The system receives further data related to the current position of the cutting tool in, at least, two dimensions. A processor generates from the received data a display. The display shows the desired cut to be made and a cutting tool icon at the current position of the cutting tool relative to the desired cut. The display also shows an indication of the current error between either the current position, or direction of travel, of the cutting tool and the desired cut. An operator does not need to look at the workpiece, a drawing and the Digital Read Out simultaneously as with existing systems.

No. of Pages : 29 No. of Claims : 24

(54) Title of the invention : PREPARATION OF AN AMINE-BASED SOLVENT CONTAMINATED BY INTRODUCTION OF SULFUR OXIDES

(51) International classification :B01D9/00,B01D53/14  
 (31) Priority Document No :10 2010 043 689.5  
 (32) Priority Date :10/11/2010  
 (33) Name of priority country :Germany  
 (86) International Application No :PCT/EP2011/069593  
 Filing Date :08/11/2011  
 (87) International Publication No :WO 2012/062724  
 (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)Stefan HAUKE**

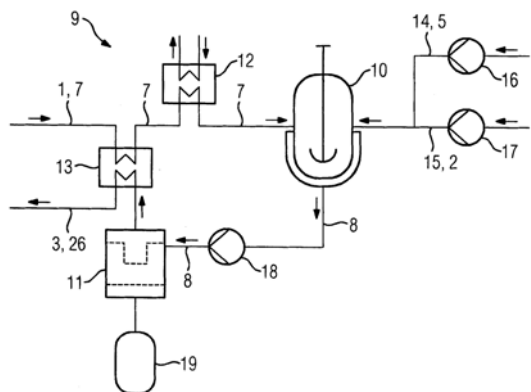
**3)Ralph JOH**

**4)Frank OLSCHESKI**

**5)Rüdiger SCHNEIDER**

(57) Abstract :

The invention relates to a method and device for preparing an amine based solvent (1) contaminated by the introduction of sulfur oxides. By cooling the contaminated solvent (1) and adding a potassium compound, potassium sulfate is precipitated, in that the concentration of potassium sulfate is brought to a value above the potassium sulfate solubility limit. The potassium sulfate is filtered out, wherein a prepared solvent (3) is formed.



No. of Pages : 14 No. of Claims : 16

(54) Title of the invention : INTERLOCKING BUILDING BLOCK, PAVING UNIT, TILE OR TOY ELEMENT AND THE CONSTRUCTION METHOD THEREOF

(51) International classification :E04C1/00,E01C5/00,A63H33/08  
 (31) Priority Document No :P1000501  
 (32) Priority Date :15/09/2010  
 (33) Name of priority country :Hungary  
 (86) International Application No :PCT/HU2011/000092  
 Filing Date :12/09/2011  
 (87) International Publication No :WO 2012/035365  
 (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)BÁLINT Adám**

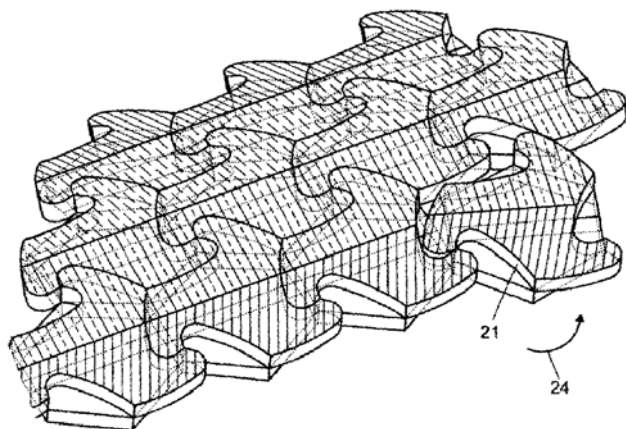
Address of Applicant :Keleti Károly utca 31/B., H-1024 Budapest, HUNGARY

(72)Name of Inventor :

**1)BÁLINT Adám**

(57) Abstract :

Interlocking building block, paving unit, tile or toy element, one part of which is a piece offering at least one planar locking mechanism, and the other part of which is an element offering at least one spatial locking mechanism. The element is characterized by the piece providing the planar locking mechanism being a three- clawed piece (21 ) built around an equilateral triangle (1 ) with protruding arms (22) and grooves (23) corresponding to their circumference arranged in a circular segment (23). The protruding claws (22) are rotated on a plane around a center of rotation (30). These align with the grooves (23) of another three- clawed piece (21 ) to offer a bayonet type locking mechanism, where the center point of the circular segment (12) is identical to the center of planar rotation (30). The element providing spatial locking is either comprised of at least one hexagonal prism (20) placed next to the three-clawed piece (21 ) and connected to the corners of the equilateral triangle (1 ), into which the three clawed piece (21 ) is placed so that the protruding claws (22) extend beyond the hexagonal prism (20) to the same extent that the grooves (23) extend into the base area of the hexagonal prism (20), or the element providing for spatial locking built at the circumference of the three-clawed piece (21 ) consists of protrusions (28) (tapers) ensuring a groove/taper connection and connecting grooves (29), so that each piece contains protrusions (28) (tapers) as well as grooves (29). The invention also includes the procedure of constructing the elements. Characteristic figures: Figures 3,13 and 16.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1073/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : BIOCHAR MACHINE FOR TREATING RICE STRAW BALES

(51) International classification	:C10B47/18,C10B53/02	(71)Name of Applicant :
(31) Priority Document No	:2010111853	<b>1)MANSOUR Rawya Lofty</b>
(32) Priority Date	:02/11/2010	Address of Applicant :Le Victoria, 13 Bd Princesse Charlotte
(33) Name of priority country	:Egypt	98000 Monaco
(86) International Application No	:PCT/EG2011/000003	<b>2)EL HAGGAR Salah Mahmoud</b>
Filing Date	:22/03/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2012/059113	<b>1)MANSOUR Rawya Lofty</b>
(61) Patent of Addition to Application	:NA	<b>2)EL HAGGAR Salah Mahmoud</b>
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Biochar machine consist of sealed container for rice straw bales with two gates. The top gate for rice straw feeding and the bottom gate for Biochar. The Biochar unit equipped with stirrer operated with electric motor and speed reduction unit. The Biochar unit operated indirectly through combustion chamber with fuel burner to heat the sealed container from all sides indirectly. The gases produced as a result of heating the rice straw are collected and returned back to the combustion chamber through a blower.

No. of Pages : 6 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2/KOL/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : CONVEYOR SAFETY MANAGEMENT SYSTEM AND METHOD THEREOF

(51) International classification :A62C35/00  
(31) Priority Document No :EP12158287  
(32) Priority Date :06/03/2012  
(33) Name of priority country :EPO  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**2)ANTONY LOUIS PIRIYAKUMAR DOUGLAS**  
**3)ANANT KUMAR MISHRA**  
**4)THIRUMALAI KUMAR MURUGAIAH**  
**5)SORNAM VISHWANATHAN VENKATESWARAN**

(57) Abstract :

The present invention provides a system (100) and a method (400) for safety management in a conveyor system. According to the present invention, a predefined safety zone surrounding the conveyor system is sensed to detect an intrusion therein. A sensing signal (S1, S2... SN) is generated indicating an intrusion. Subsequently, a status signal (S) is generated and communicated over a communication network based on value of the sensing signal (S1, S2... SN). Finally, a shut-down signal is generated and provided to the conveyor system to stop an operation thereof based on the status signal (S).

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

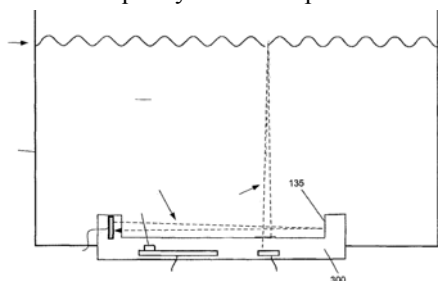
(54) Title of the invention : SYSTEMS AND METHODS OF DETERMINING A QUALITY AND/OR DEPTH OF DIESEL EXHAUST FLUID

(51) International classification :G01F23/296,F01N3/20,G01N29/02  
 (31) Priority Document No :61/412,667  
 (32) Priority Date :11/11/2010  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/US2011/060442  
 Filing Date :11/11/2011  
 (87) International Publication No :WO 2012/065109  
 (61) Patent of Addition 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)REIMER Lawrence,B.**  
**2)MURPHY Gregory P.**

(57) Abstract :

A system for determining a quality and/or depth of a fluid in a tank. The system includes a controller, one or more transducers, and a temperature sensor. A fixed distance transducer transmits a sound wave toward a fixed surface. A depth transducer transmits a sound wave which reflects off a surface of the fluid. The temperature sensor senses a temperature of the fluid in the tank and provides an indication of the temperature to the controller. The controller measures the elapsed time for the sound waves to travel between the fixed distance transducer and a fixed surface and the elapsed time for the sound waves to travel between the depth transducer and the surface of the fluid, held within the container. Using the elapsed times and the temperature of the fluid the controller is able to determine a quality and the depth of the fluid.



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

(54) Title of the invention : CONTAINER HOLDER ASSEMBLY

(51) International classification :A61M5/24,A61M5/31  
 (31) Priority Document No :1051160-8  
 (32) Priority Date :08/11/2010  
 (33) Name of priority country :Sweden  
 (86) International Application No :PCT/SE2011/051321  
     Filing Date :07/11/2011  
 (87) International Publication No :WO 2012/064259  
 (61) Patent of Addition to Application Number :NA  
     Filing Date :NA  
 (62) Divisional to Application Number :NA  
     Filing Date :NA

(71)Name of Applicant :

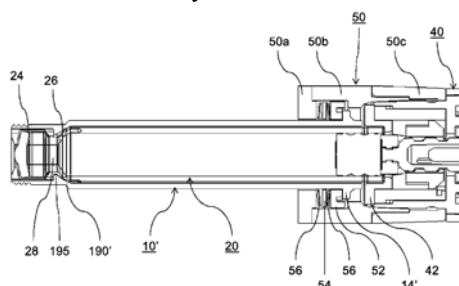
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**1)KLINTENSTEDT, Per****2)WIESELBLAD, Anders****3)ELMÉN, Gunnar**

(57) Abstract :

Container holder assembly for use in a medicament delivery device, comprising a tubular body elongated in an axial direction, said tubular body having a proximal end and an opposite distal end, and a retaining member releasably arranged to said tubular body for securing an elongated container placed inside the tubular body, wherein said retaining member comprises a resilient structure capable of exerting an axial force on said container in said tubular body for holding the container in a fixed position inside the tubular body and thereby avoiding displacement or breakage of the container and wherein a distal end of said container protrudes from a distal end of said tubular body.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1049/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR PERCUTANEOUS OCCLUSION CROSSING

(51) International classification :A61M25/00

(31) Priority Document No :61/394,286

(32) Priority Date :18/10/2010

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/056434

Filing Date :14/10/2011

(87) International Publication No :WO 2012/054349

(61) Patent of Addition 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)CULLY, Edward, H.**

**2)DUNCAN Jeffrey B.**

**3)BOLAND II, Brian, R.**

**4)GOODMAN, Paul, D.**

(57) Abstract :

The present invention provides methods and apparatuses for crossing or bypassing total or near total occlusions of vessels through the use of elongate members and specialized catheters that include a piercing catheter, a reentry catheter, a multilumen, reentry catheter, and combinations thereof. A piercing catheter comprises a distal tip used to pierce an occlusion in a crossing procedure and can be configured to microdissect the occlusion or provide support for an elongate member. A reentry catheter comprises a distal side port and ramp to facilitate the reentry or perforation of a vessel wall. A multi-lumen, reentry catheter comprises a tearable lumen divider and a distal side port and ramp.

No. of Pages : 50 No. of Claims : 57



(12) PATENT APPLICATION PUBLICATION

(21) Application No.29/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :09/01/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : TRENCH WALL CUTTER AND METHOD FOR PRODUCING A TRENCH IN THE GROUND

(51) International classification	:E02D29/02
(31) Priority Document No	:EP/12001469.1
(32) Priority Date	:05/03/2012
(33) Name of priority country	:EPO
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**  
**1)SCHROEPPEL, CHRISTOPH**  
**2)SCHINDLER, STEFAN**

(57) Abstract :

The invention relates to a trench wall cutter for producing a trench in the ground having a cutter frame and at least one cutting wheel which is supported in a rotatable manner about an axis of rotation on the cutter frame and has at its outer circumference a plurality of ground working tools for removing ground material. The ground working tools are arranged along an annular path around the axis of rotation. Provision is made for the annular path to run asymmetrically to the axis of rotation of the cutting wheel, wherein the annular path has at least one first circumferential section with a larger distance from the axis of rotation and at least one second circumferential section with a smaller distance from the axis of rotation. The invention furthermore relates to a method for producing a trench in the ground.

No. of Pages : 20 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1008/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : ABSORBENT ARTICLE

(51) International classification :A61F13/15,A61F13/472,A61F13/49  
(31) Priority Document No :2010-253203  
(32) Priority Date :11/11/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2011/075524  
Filing Date :28/10/2011  
(87) International Publication No :WO 2012/063750  
(61) Patent of Addition 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)HASHINO, Akira**  
**2)NODA, Yuuki**  
**3)KOMATSU, Shinpei**

(57) Abstract :

An object of the present disclosure is to provide an absorbent article that reduces heat and humidity during wear and has a smooth and dry skin contact surface of the top sheet even after absorption of excreta. The absorbent article of the present disclosure is as follows. An absorbent article comprising a liquid- permeable top sheet, a liquid-impermeable back sheet and an absorbent core between the liquid- permeable top sheet and liquid-impermeable back sheet, wherein the absorbent article has a heat retention of no greater than 45% and a rewetting rate of no greater than 10 mass%.

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

(54) Title of the invention : NANOPOROUS MATERIALS, MANUFACTURE OF NANOPOROUS MATERIALS AND APPLICATIONS OF NANOPOROUS MATERIALS

(51) International classification :C08J9/26,C08J9/40,H01G9/058  
 (31) Priority Document No :1015673.5  
 (32) Priority Date :17/09/2010  
 (33) Name of priority country :U.K.  
 (86) International Application No :PCT/GB2011/001324  
     Filing Date :09/09/2011  
 (87) International Publication No :WO 2012/035292  
 (61) Patent of Addition to  
     Application Number :NA  
     Filing Date :NA  
 (62) Divisional to Application  
     Number :NA  
     Filing Date :NA

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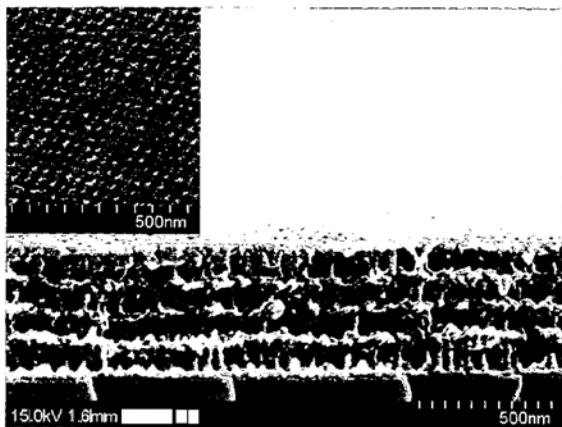
**1)SIVANIAH, Easan**

**2)ZAVALA RIVERA, Paul**

**3)N'GUYEN, Vincent**

(57) Abstract :

A nanoporous material is disclosed having a plurality of lamellae. Through each lamella is an array of penetrating pores. Adjacent lamellae are spaced apart by an intervening spacing layer. The spacing layer comprises an array of spacing elements integrally formed with and extending between the adjacent lamellae. The spacing layer has interconnected porosity extending within the spacing layer. Such a nanoporous material can be manufactured using block copolymer materials. First, a morphology is formed comprising a three dimensional array of isolated islands in a continuous matrix. The islands are formed of at least one island component of the block copolymer and the matrix is formed of at least one matrix component of the block copolymer. Next, channels are formed in the matrix between at least some of the islands. The island component is then selectively removed to leave the matrix with an array of interconnected pores.



No. of Pages : 77 No. of Claims : 39

(54) Title of the invention : CONTROL VALVE FOR AUTOMATIC COMPRESSED-AIR BRAKES

(51) International classification :B60T7/12,B60T8/17,B60T8/18  
 (31) Priority Document No :201001380  
 (32) Priority Date :20/09/2010  
 (33) Name of priority country :EAPO  
 (86) International Application No :PCT/EP2011/065717  
 Filing Date :12/09/2011  
 (87) International Publication No :WO 2012/038280  
 (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)KNORR BREMSE SYSTEME FÜR  
 SCHIENENFAHRZEUGE GMBH**

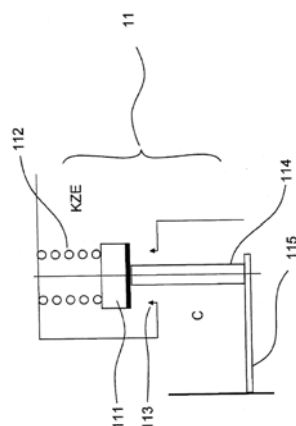
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 GERMANY

(72)Name of Inventor :

**1)CZYPIONKA, Simon****2)HELLER, Martin****3)KRUSCHE, Michael****4)KRYLOV, Vladimir****5)ROMANOV, Sergey,****6)SIMON, Timm**

(57) Abstract :

The invention relates to a control valve for automatic compressed-air brakes for generating a brake cylinder pressure in at least one connected brake cylinder (4) in accordance with a pressure difference between a pressure in a connected main brake pipe (L) of a train and a stored reference pressure (A), comprising a main part (1), a pipe part (2) and a support (3) having a pipe for the additional venting of air (KZE) leading from the pipe part via the support to the main part, the main part (1) comprising the following parts: a control piston (7) having a piston rod (16), said control piston being subjected, on the one hand, to the reference pressure (A) and, on the other hand, to a control pressure (S) and at least one pressure spring (13), and a compensating piston (8) that is subjected to the pressure (C) of the brake cylinder (4) against the force of at least one pressure spring (20); and a double seat valve (10), in which an inlet valve (103) opens via a piston rod (16) when the control piston (7) approaches and an outlet valve (101) opens when the piston rod moves away, wherein the inlet valve (103) is located in an air path from an air storage reservoir (5) in the direction of the brake cylinder (4), whereas the outlet valve (101) is located in an air path from the brake cylinder (4) to the surroundings (0), wherein the main part (1) comprises a valve (11) that consists of a valve body (111), a pressure spring (112) and a valve seat (113), wherein pressure chambers are located opposite each other at the valve body (111) and valve seat (113), which are connected to the pipe for the additional venting of air (KZE) or to the brake cylinder (C), the valve body (111) being connected via a mechanical connection (114, 115) to the control piston (7) by the piston rod (16).



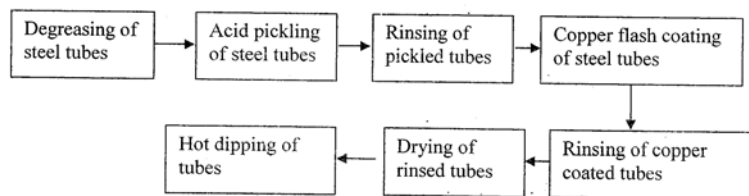
No. of Pages : 22 No. of Claims : 4

(54) Title of the invention : AN IMPROVED PROCESS FOR HOT-DIP GALVANIZING OF STEEL TUBES BY PRIOR METALLIC DEPOSITION

(51) International classification	:C23C 2/06	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)TATA STEEL LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :RESEARCH AND DEVELOPMENT
(33) Name of priority country	:NA	AND SCIENTIFIC SERVICES DIVISION, JAMSHEDPUR
(86) International Application No	:NA	831001,Jharkhand India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)MS. ANINDITA CHAKRABORTY</b>
(61) Patent of Addition to Application Number	:NA	<b>2)MR. MONOJIT DUTTA</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

The invention relates to an improved process for hot-dip galvanizing of steel tubes comprising the steps of alkali cleaning and acid pickling of the steel tubes; preparing a plating bath having a composition of sulfuric acid; conducting copper coating of the cleaned tubes, washing and drying of the copper flash coated tubes; and hot-dip galvanizing of the copper coated tubes. The process of galvanising ensures less environmental hazards and less wastage of zinc as by-product.



No. of Pages : 19 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.949/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : CONTROL VALVE FOR AUTOMATIC COMPRESSED AIR BRAKES

(51) International classification :B60T7/12,B60T8/17,B60T8/18  
(31) Priority Document No :201001382  
(32) Priority Date :20/09/2010  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2011/065716  
Filing Date :12/09/2011  
(87) International Publication No :WO 2012/038279  
(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)KRUSCHE, Michael**

**3)KRYLOV, Vladimir**

**4)SIMON, Timm**

**5)HELLER, Martin**

**6)ROMANOV, Sergey,**

(57) Abstract :

The invention relates to a control valve for automatic compressed air brakes for generating a brake cylinder pressure (C) in at least one connected brake cylinder (4) in accordance with a pressure difference between a pressure (L) in a connected main brake pipe (2) of a train and a stored reference pressure (A), comprising a main part (1), a pipe part (2) and a support (3), wherein the main part (1) comprises the following parts: a control piston (7), which, on the one hand, is subjected to the reference pressure (A) and, on the other hand, to a control pressure (S) and at least one pressure spring (13), a compensating piston (8) which is subjected to the pressure (C) of the brake cylinder (4) against at least one pressure spring (20), and a double-seat valve (10) in which an inlet valve (103) opens when the control piston (7) approaches via a piston rod (16), and an outlet valve (101) closes when said control piston moves away, wherein the inlet valve (103) is located in an air path from an air storage reservoir (5) in the direction of the brake cylinder (4), and the outlet valve (101) is located in an air path from the brake cylinder (4) to the surroundings (0), the cross section of the air path from the air storage reservoir (5) via the opened inlet valve (103) being at least equal to the cross section required for achieving the shortest normative braking time at the greatest possible pressure and volume in the at least one brake cylinder.

No. of Pages : 25 No. of Claims : 7

(54) Title of the invention : CONTROL VALVE COMPRISING SWITCHING MEANS FOR SWITCHING BETWEEN CHARACTERISTIC CURVES OF BRAKE PRESSURE

(51) International classification	:B60T7/12,B60T8/17,B60T8/18
(31) Priority Document No	:201001381
(32) Priority Date	:20/09/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/065733
Filing Date	:12/09/2011
(87) International Publication No	:WO 2012/038286
(61) Patent of Addition to	:NA
Application Number	:NA
Filing Date	
(62) Divisional to Application	:NA
Number	:NA
Filing Date	

**(71)Name of Applicant :**

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GERMANY

**(72)Name of Inventor :**

**1) CZYPIONKA, Simon**

2)HELLER, Martin

**3)KRUSCHE, Michael**

**4) KRYLOV, Vladimir**

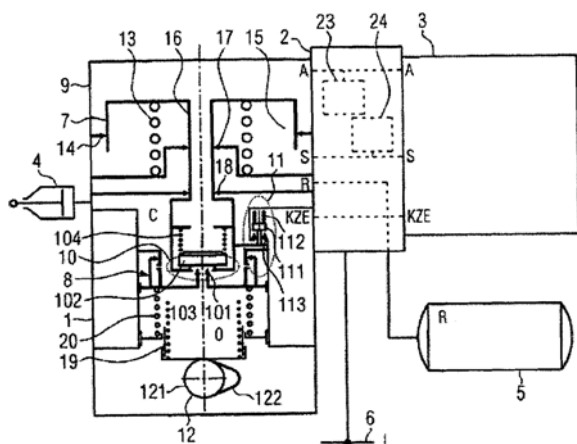
**5)ROMANOV, Sergey**

**6)SIMON, Timm**

---

(57) Abstract :

The invention relates to a control valve for automatic compressed-air brakes for generating a brake cylinder pressure in at least one connected brake cylinder (4) in accordance with a pressure difference between a pressure (L) in a connected main brake pipe (6) of a train and a stored reference pressure (A), at least comprising a main part (1) and a pipe part (2), wherein the main part (1) comprises a control piston (7) which, on the one hand, is subjected to the reference pressure (A) and, on the other hand, to a control pressure (S) and at least one pressure spring (13), and a compensating piston (8) which is subjected to the pressure (C) of the brake cylinder (4) against at least one pressure spring (19, 20), and wherein for switching between different characteristic curves of brake pressure the pressure spring (19) acting upon the compensating piston (9) can be pretensioned via mechanical switching means (12). According to the invention, the switching means (12) comprise a switching shaft (121) which is accommodated and rotatably mounted in the housing (9) of the main part (2), said switching shaft changing the pretension of the pressure spring (19) via at least one control cam (122).



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1031/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/04/2013

(43) Publication Date : 06/09/2013

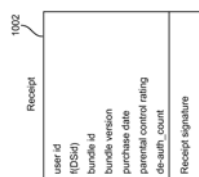
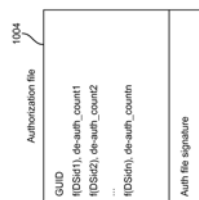
(54) Title of the invention : APPLICATION USAGE POLICY ENFORCEMENT

(51) International classification :G06F21/00  
(31) Priority Document No :12/907,915  
(32) Priority Date :19/10/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2011/055653  
Filing Date :10/10/2011  
(87) International Publication No :WO 2012/054252  
(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)APPLE INC.**  
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(72)Name of Inventor :  
**1)CIUDAD, Jean-Pierre**  
**2)FARRUGIA, Augustin, J.**  
**3)M'RAIHI, David**  
**4)TOUBLET, Bertrand, Mollinier**  
**5)FASOLI, Gianpaolo**  
**6)SULLIVAN, Nicholas, T.**

(57) Abstract :

Disclosed herein are systems, methods, and non-transitory computer-readable media for enforcing application usage policies. As part of an application purchase transaction, the application distributor creates a unique proof of purchase receipt. This receipt can be bundled with the application and delivered to the purchaser. Each machine can maintain an authorization file that lists the users authorized to use applications on that machine. A system configured to practice the method verifies that a user is authorized to use an application on a machine based on an application proof of purchase receipt and the authorization file. If the application proof of purchase receipt and the authorization file are both valid, the system checks if the user account identifier in the receipt is contained in the authorization file. If so, the user can be considered authorized to use the application on the machine.



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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1032/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : PROCESS FOR THE PREPARATION OF TETRACYCLIC DERIVATIVES AND INTERMEDIATE PRODUCTS USED IN THE PROCESS

(51) International classification :C07D207/08,C07C39/373,C07D487/04  
(31) Priority Document No :61/386,815  
(32) Priority Date :27/09/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/CA2011/050597  
Filing Date :26/09/2011  
(87) International Publication No :WO 2012/040845  
(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)ALPHORA RESEARCH INC.**  
Address of Applicant :Suite 2001, 2395 Speakman Drive,  
Mississauga, Ontario L5K 1B3, CANADA  
(72)Name of Inventor :  
**1)GORIN, Boris**  
**2)DIXON, Craig Edward**  
**3)QU, Yang**

(57) Abstract :

A process for preparation of a compound of formula I or a pharmaceutically acceptable salt thereof, is disclosed. The process involves subjecting a compound of formula II to Ullmann- type conditions to effect an intra-molecular ring closure reaction to form the compound of formula I. The different substituents are as described in the specification. Further, the process can provide an alternate route for the synthesis of asenapine from starting materials that can be readily available.

No. of Pages : 38 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1033/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : SAMPLE RETENTION DEVICE

(51) International classification	:B01L3/00,B65D33/16
(31) Priority Document No	:1017185.8
(32) Priority Date	:12/10/2010
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2011/051830
Filing Date	:28/09/2011
(87) International Publication No	:WO 2012/049472
(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)NAMMONIC HOLDING LIMITED**

Address of Applicant :Holly House, 39 Rosefield Street,  
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(72)Name of Inventor :

**1)CARTER, Juliet**

**2)VAN SCHIE, Robert**

(57) Abstract :

A flexible container (10) for capturing and or storing saliva, blood or any other body fluid, or biological sample of contained DNA and or other nucleic acid for immediate or later analysis. This bag holds one or more strips (22) assembled from purpose prepared absorbent matrix. A desiccant - containing pouch may be bonded to the interior of the storage device. When the flexible container is manipulated to the open position, the matrix, which is bonded to the interior, becomes exposed. A specimen can then be applied to this matrix. When opened, the bag stands up on its own, allowing the matrix to dry. Upon closure, the air dried specimen - containing matrix withdraws inside the bag. This flexible container provides in one package, without the need for direct handling of the matrix, a specimen holding means, and protective storage within a substantially airtight, light-proof, and moisture-proof environment for a considerable period of time.

No. of Pages : 14 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.956/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : PISTON ASSEMBLY

(51) International classification :F02F3/22,F02F3/00  
(31) Priority Document No :12/898,251  
(32) Priority Date :05/10/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/EP2011/004956  
Filing Date :05/10/2011  
(87) International Publication No :WO 2012/045445  
(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)MAHLE INTERNATIONAL GMBH**

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(72)Name of Inventor :

**1)MENEZES, Leandro**

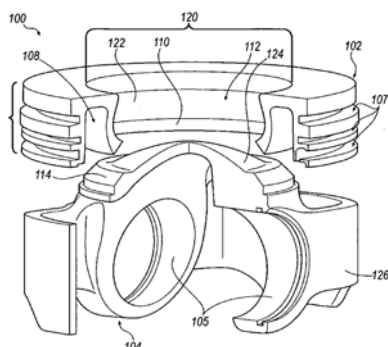
**2)GABRIEL, Dieter**

**3)LAPP, Michael, T.**

**4)REIN, Wolfgang**

(57) Abstract :

Exemplary piston assemblies and methods of making the same are disclosed. An exemplary piston assembly may include a piston crown and a piston skirt that is received in a central opening of the crown. The piston crown may include a ring belt portion defining at least in part a cooling gallery. The crown and skirt may each further include corresponding mating surfaces that extend about a periphery of the crown and skirt. The skirt mating surface and crown mating surface may generally be secured to each other that the crown and the skirt cooperate to form a continuous upper combustion bowl surface. The skirt and crown may cooperate to define a radially outer gap about a periphery of the piston crown.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1102/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : POWER AND COMMUNICATIONS FOR REMOTE ELECTRONIC DEVICES

(51) International classification:H04B3/54,H04L12/10,H04L25/02

(31) Priority Document No :1017837.4

(32) Priority Date :22/10/2010

(33) Name of priority country :U.K.

(86) International Application  
No :PCT/GB2011/052025

Filing Date :19/10/2011

(87) International Publication  
No :WO 2012/052761

(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)CAMCON OIL LIMITED**

Address of Applicant :St John's Innovation Centre, Cowley  
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(72)Name of Inventor :

**1)HOCKLEY, Philip**

(57) Abstract :

An electronic device (4) for deployment in a remote location such as a well-bore comprises two main device terminals (26) for connection to a remote power supply and communication assembly (2) via two electrical couplings (6); a power storage arrangement (C1) having two power input terminals (20); a device communication arrangement (22) having two device communication terminals (24); a device switching arrangement (S2) for selectively connecting each of the two power input terminals (20) or each of the two device communication terminals (24) to a respective one of the main device terminals (26); and a device controller (28) for controlling the operation of the switching arrangement. A power supply and communication assembly (2) is also provided and arranged to be coupled to one or more of the devices (4).

No. of Pages : 17 No. of Claims : 20

(54) Title of the invention : EMITTER AND METHOD FOR OPENING WATER OUTLET OPENINGS.

(51) International classification :A01G25/02,B05B1/20  
 (31) Priority Document No :20100100517  
 (32) Priority Date :20/09/2010  
 (33) Name of priority country :Greece  
 (86) International Application No :PCT/GR2011/000039  
 Filing Date :20/09/2011  
 (87) International Publication No :WO 2012/038766  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

(71)Name of Applicant :

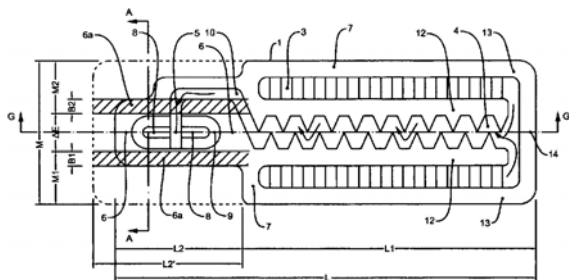
**1)DERMITZAKIS, Emmanuil**Address of Applicant :34 Ethnikis Aminis Str., GR-156 69  
Papagos, Attikis GREECE**2)DERMITZAKIS, Aristeidis**

(72)Name of Inventor :

**1)DERMITZAKIS, Emmanuil****2)DERMITZAKIS, Aristeidis**

(57) Abstract :

The irrigation emitter (1) of the present invention is inserted and welded in the interior of a drip irrigation pipe (2) during production thereof. It has a number of protrusions (8) arranged in a row emerging from a solid flat part/base (6) of the outer convex surface (7) of the emitter (1). The pipe (2) is locally swollen, covers and is welded both on the protrusions (8) and on their base (6), so that a unified welded assembly is formed between protrusions (8) and the pipe. The water outlets (10) are typically and preferably formed between the prismatic protrusions (8) by cutting off the tips of the protrusions (8) during passage of the drip irrigation pipe in a continuously rotating concave fraise (35) located at the end of the production line. Cutting takes place after the pipe has passed through a system of successive pairs of concave and convex rollers which squeeze it, stretch it and make it rigid, maintaining it in an flattened convex and bent form.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.235/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :28/02/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : RELAY

(51) International classification :H01F  
(31) Priority Document No :201210051723.5  
(32) Priority Date :01/03/2012  
(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 :  
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**1)LI YUE**  
**2)LIU BAO TING**  
**3)GAN JIN YUN**  
**4)ZHOU CHUI YOU**  
**5)WANG YONG**  
**6)ZHU XIAO NING**

(57) Abstract :

A relay has a driving device that includes a magnet portion, two electromagnets, a yoke portion fixed to the above elements, and a rocking armature. The magnet portion includes a ferrite permanent magnet polarized in a direction perpendicular to the yoke portion and a bearing surface facing way from the yoke portion. Each electromagnet includes an iron core fixed to the yoke portion and a coil wound thereon. The two iron cores are arranged at opposite sides of the magnet portion. The rocking armature includes two arms connected to each other with an included angle formed therebetween and a convex joint of the two arms. The convex joint abuts against the bearing surface and the rocking armature pivots about the convex joint between a first position and a second position in which the rocking armature contacts a respective one of the iron cores.

No. of Pages : 15 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.961/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : CONVEYING DEVICE FOR CONVEYING CONTAINERS

(51) International classification :B65G15/10,B65G37/00,B65G47/66

(31) Priority Document No :10 2010 050 129.8

(32) Priority Date :03/11/2010

(33) Name of priority country:Germany

(86) International Application No :PCT/EP2011/005097

Filing Date :12/10/2011

(87) International Publication No :WO 2012/059167

(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)KHS GMBH**

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(72)Name of Inventor :

**1)PAROTH, Berthold**

**2)BACKHAUS, Martin**

**3)SCHMITZ, Christian**

(57) Abstract :

The invention relates to a conveying device for conveying containers (2) in a conveying direction (TR),comprising a plurality of conveyor belts (3.1 3.2),which are each guided over a direction change element (4) at the front,with respect to the conveying direction, and over a direction change element at the rear, with respect to the conveying direction,in order to form a closed loop,and which form a conveying surface (5) by means of upper loop lengths wherein in said conveying surface the upper loop lengths are provided adjacent to each other in a plurality of rows (R1-R4) offset from each other in an axial direction (Y axis) perpendicular to the conveying direction and on which conveying surface the containers stand with a standing bottom diameter (5D) of the standing-bottom or container bottom (2.1,2.1.1) thereof.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1022/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : LOW DENSITY AND HIGH STRENGTH FIBER GLASS FOR BALLISTIC APPLICATIONS

(51) International classification :C03C3/118,C03C13/00,B32B17/00  
(31) Priority Document No :61/382,794  
(32) Priority Date :14/09/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2011/051532  
Filing Date :14/09/2011  
(87) International Publication No :WO 2012/037205  
(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)PETERS, James, Carl**  
**2)SERRANO, Juan, Camilo**  
**3)LI, Hong**  
**4)RICHARDS, Cheryl, A.**

(57) Abstract :

The present invention relates to fabrics, composites, prepregs, laminates, and other products incorporating glass fibers formed from glass compositions. The glass fibers, in some embodiments, are incorporated into composites that can be adapted for use in high energy impact applications such as ballistic or blast resistance applications. Glass fibers formed from some embodiments of the glass compositions can have certain desirable properties that can include, for example, desirable electrical properties (e.g. low Dk) or desirable mechanical properties (e.g., specific strength).

No. of Pages : 61 No. of Claims : 20



(54) Title of the invention : SELECTIVE LEACH RECOVERY OF ZINC FROM A COMPOSITE SULPHIDE ORE DEPOSIT, TAILINGS, CRUSHED ORE OR MINE SLUDGE

(51) International classification :C22B19/20,C22B3/04,C22B3/12  
 (31) Priority Document No :61/404,244  
 (32) Priority Date :30/09/2010  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/CA2011/001094  
 Filing Date :30/09/2011  
 (87) International Publication No :WO 2012/040829  
 (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)YAVA TECHNOLOGIES INC.**

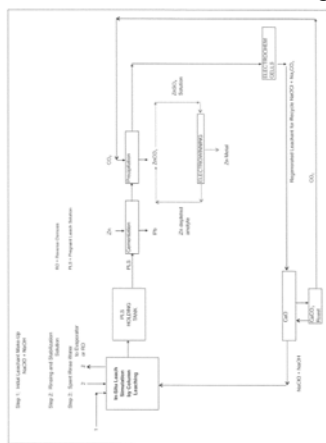
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(72)Name of Inventor :

**1)DAHAL, Madhav**

(57) Abstract :

Zinc and lead are usually concomitantly present in Zn-Pb ores and tailings. A novel non-polluting hydrometallurgical process for selectively leaching and recovering zinc (Zn) from a composite lead (Pb) and zinc sulphide containing mineral, crashed untreated rock or unconsolidate mineral particles, mill tailings and/or agglomerated or unagglomerated sulphidic zinc containing waste material without necessitating smelting and refining operation has been developed. This technology can be employed either in-situ or ex-situ based on the amenability of a particular type of mineral deposit or feed ore. A process and leachant composition are provided for selective leaching of zinc from mixtures and ores containing zinc sulphide comprising contacting the mixture or ore with an aqueous leachant comprising: 1) an oxidant selected to oxidize the sulphur present only to elemental sulphur, and 2) alkali metal hydroxide in amounts sufficient to form soluble alkali metal zincate; extending the contact time between leachant and solids to give the desired zinc recovery and selectivity in the leachate while maintaining operative reagent concentrations; separating the desired leachate from the residual solids; and recovering zinc from the leachate.



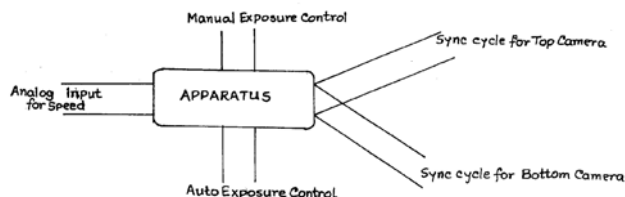
No. of Pages : 17 No. of Claims : 10

(54) Title of the invention : A METHOD IN A DEVICE FOR IMPROVED WEB INSPECTION OF ROLLING COILS IN ROLLING MILLS

(51) International classification	:G01N27/90	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)TATA STEEL LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :RESEARCH AND DEVELOPMENT
(33) Name of priority country	:NA	AND SCIENTIFIC SERVICES DIVISION, JAMSHEDPUR-
(86) International Application No	:NA	831001, Jharkhand India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)MR. CHITRESH KUNDU</b>
(61) Patent of Addition to Application Number	:NA	<b>2)MR. PRABAL PATRA</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method in an apparatus for improved web inspection of rolling coils in rolling mills. The method comprising the steps of determining the rolling Speed from the Analog voltage signal representing a speed signal; inputting the analog signal into a microcontroller for converting and outputting corresponding digital signal; establishing a relation between current rolling speed and line rate; calculating a current line rate based on the established relation; updating at least one of two cameras corresponding to the current line rate when it differs from the provisions line rate beyond a threshold value; providing a display device to exhibit the current line rate including the cameras exposure time; automatically controlling including adjusting the camera exposure time based on the average gray value of the image, if the previous line rate deviates from a threshold tolerance valve; generating a sync cycle in different modes in the timing cycles through two each channels of at least solid two cameras.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.964/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : REMAINING SERVICE LIFE INDICATION FOR GAS MASK CARTRIDGES AND CANISTERS

(51) International classification :A61M16/00

(31) Priority Document No :61/380604

(32) Priority Date :07/09/2010

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/050720

Filing Date :07/09/2011

(87) International Publication No :WO 2012/033852

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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FL 33634 U.S.A.

(72)Name of Inventor :

**1)TRUEX, Bryan, I.**

**2)GUEORGUI, Mihaylov**

(57) Abstract :

Gas masks and canisters for gas masks have a chemical sorbent that protects the respiratory system of the wearer from gaseous compounds. The remaining service indication systems for respiratory protection systems provide a warning to the wearer that the capacity of the chemical sorbent to adsorb or absorb further compounds is nearly depleted. A remaining service life indication system has a computer memory device for storing information concerning the canister for determining an end of the service life of a gas mask, a canister and/or a cartridge and such devices from the input of various sensors.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1040/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : WEAR DISTANCE SENSOR FOR A BRAKE PAD OF A FRICTION BRAKE

(51) International classification :F16D66/02  
(31) Priority Document No :10 2010 045 565.2  
(32) Priority Date :16/09/2010  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2011/065972  
Filing Date :15/09/2011  
(87) International Publication No :WO 2012/035084  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
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**GMBH**  
Address of Applicant :Moosacher Str. 80, 80809 München,  
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(72)**Name of Inventor :**  
**1)EICHLER Thomas**

(57) Abstract :

The invention relates to a wear distance sensor (1) for detecting a wear distance of a brake pad, in particular of a friction brake, comprising a housing (19) having a friction side (21) and a connecting side (22) and a probe (2) having two electrical conductor elements (9,13) in combination with at least one electrical resistance element (4), wherein two dimensions of the resistance element (4) are not constant depending on the wear distance. A third dimension of the resistance element (4) which has a three-dimensional design is not constant depending on the wear distance.

No. of Pages : 40 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1041/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : VOC OR COMPRESSED GAS CONTAINMENT DEVICE MADE FROM A POLYOXYMETHYLENE POLYMER

(51) International classification :C08L59/00,B29C47/00,B32B1/00

(31) Priority Document No :12/904,575

(32) Priority Date :14/10/2010

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/056252

Filing Date :14/10/2011

(87) International Publication No :WO 2012/051477

(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)TICONA LLC**

Address of Applicant :8040 Dixie Highway Florence, Kentucky 41042, U.S.A.

(72)Name of Inventor :

**1)LARSON, Lowell;**

**2)ZIEGLER, Ursula**

**3)MCGRADY, Christopher**

(57) Abstract :

VOC or compressed gas containment devices, such as polymer fuel tanks, are made from a polyoxymethylene polymer composition. The polymer composition contains a polyoxymethylene polymer that is directly or indirectly chemically attached to an impact modifier. In one embodiment, for instance, a coupling agent bonds the impact modifier to the polyoxymethylene polymer. In order to preserve the permeability of the polymer material when combined with the impact modifier, a polyoxymethylene polymer is used that contains a low level of low molecular weight constituents.

No. of Pages : 44 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1042/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : VIDEO CODING USING TEMPORALLY COHERENT DYNAMIC RANGE MAPPING

(51) International classification	:H04N7/26
(31) Priority Document No	:61/394,405
(32) Priority Date	:19/10/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2011/067840
Filing Date	:12/10/2011
(87) International Publication No	:WO 2012/052338
(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)FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG  
DER ANGEWANDTEN FORSCHUNG E.V.,**  
Address of Applicant :Hansastrasse 27c, 80686 Munich,  
GERMANY  
(72)**Name of Inventor :**  
**1)GARBAS, Jens-Uwe**  
**2)THOMA, Herbert**

(57) Abstract :

A more efficient co-use of dynamic range mapping on the one hand and temporal prediction on the other hand such as for example, in order to code HDR frame sequences, is achieved by exploiting the concept of weighted prediction in order to transition from the mapping parameter from the reference frame to the currently temporally predicted frame. By this measure, the temporal prediction does not fail and despite the frame-wise variation in the dynamic range mapping, encoding efficiency is, thus, maintained. As a favorable side aspect, weighted temporal prediction is already within the capabilities of existing video coding stages such as, for example, the H.264/AVC.

No. of Pages : 45 No. of Claims : 20

(54) Title of the invention : HYBRID ENERGY CONVERSION DEVICE

(51) International classification :H01L31/058,H01L41/113,H02N2/18  
 (31) Priority Document No :1016193.3  
 (32) Priority Date :27/09/2010  
 (33) Name of priority country :U.K.  
 (86) International Application No :PCT/GB2011/051829  
 Filing Date :27/09/2011  
 (87) International Publication No :WO 2012/042259  
 (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 BOLTON**

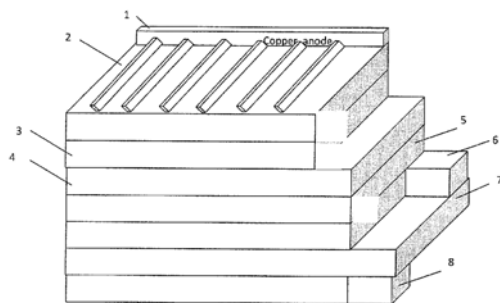
Address of Applicant :Deane Road Bolton, Lancashire BL3 5AB, U.K.

(72)Name of Inventor :

**1)HADIMANI, Magundappa L. (Ravi)****2)SIORES, Elias****3)PREKAS, Kleanthis****4)VATANSEVER, Derman**

(57) Abstract :

A piezoelectric-photovoltaic hybrid structure is described, having a plurality of superposed layers including a photovoltaic layer and a piezoelectric substrate. A method of forming such a structure is also described, including the steps of providing a piezoelectric substrate and superposing a photovoltaic layer over the substrate. A power conversion system is described, comprising such a hybrid structure with a first circuit connected to the piezoelectric substrate and a second circuit connected to the photovoltaic layer. Also discussed is a method of generating, storing, distributing, or consuming electrical energy, involving the use of such a system in connection with a distribution circuit or network, electrical load, or energy storage device. A further power conversion system is described where the piezoelectric and photovoltaic circuits are connected to a single, or a respective, DC-DC converter. A set of such power conversion systems may be connected in series at their output terminals.



No. of Pages : 41 No. of Claims : 67

(12) PATENT APPLICATION PUBLICATION

(21) Application No.971/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/04/2013

(43) Publication Date : 06/09/2013

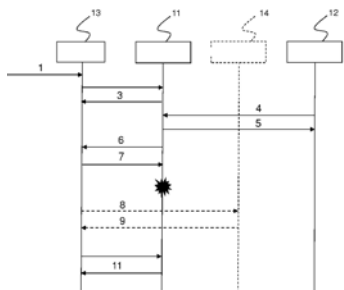
(54) Title of the invention : PCC CONTROL AT PCRF FAILURE

(51) International classification :H04L29/14  
(31) Priority Document No :61/383,916  
(32) Priority Date :17/09/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/EP2011/060473  
Filing Date :22/06/2011  
(87) International Publication No :WO 2012/034725  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)TELEFONAKTIEBOLAGET LM ERICSSON (publ)**  
Address of Applicant :S-164 83 Stockholm, SWEDEN  
(72)Name of Inventor :  
**1)YANG, Yong**  
**2)FERNANDEZ ALONSO,Susana**

(57) Abstract :

The present invention relates to a method for policy control in an infrastructure network comprising a Gateway, GW, (13) an Access Function (12), AF, and at least one Policy and Charging Rules Function (11,14), PCRF, the network for each current PDN connection performs the steps of: -the GW (13) establishing (23) a Gx or Gxx session in order to set the current PDN connection under PCC control, -the GW (13) further providing (24) information about the current PDN connection to a first PCRF (11), -the first PCRF (11) performing (25) authorization and policy decision based on the PDN connection information and sends it together with restoration instructions to the GW (13), -the GW (13) when detecting that the first PCRF (11) is not available, applying (26) the restoration instructions, said instructions requiring the GW to try to regain PCC control and/or requiring the GW to gracefully delete the services associated with the PCC control. The present invention also relates a PCRF and a GW adapted for the same purpose.



No. of Pages : 24 No. of Claims : 11



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1056/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : CARRIER WITH PANEL LOCKING MECHANISM

(51) International classification	:B65D71/18,B65D71/36	(71)Name of Applicant :
(31) Priority Document No	:61/384,127	<b>1)MEADWESTVACO PACKAGING SYSTEMS, LLC.</b>
(32) Priority Date	:17/09/2010	Address of Applicant :501 South 5th Street, Richmond,
(33) Name of priority country	:U.S.A.	Virginia 23219-0501, U.S.A.
(86) International Application No	:PCT/US2011/052069	(72)Name of Inventor :
Filing Date	:19/09/2011	<b>1)AUCLAIR, Jean-Michel</b>
(87) International Publication No	:WO 2012/037542	<b>2)BLIN, Patrick</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A wrap-around style carrier (10) includes an interlocking arrangement (120, 122, 124, 126, 128, 130) for securing the panels (108, 112) of the carrier around an article group, while restricting the lateral movement of the elements of the interlocking arrangement and thus, of the panels. Each interlocking arrangement includes a locking tab (140) that is received in a locking slit (160), and lateral motion between the locking tab and the locking slit is restrained using an alignment tab (142) and an alignment receptacle (164) that interlock to fix their relative positions securely. The locking arrangement is achieved without folding the elements in different directions during the interlocking process.

No. of Pages : 28 No. of Claims : 11

(54) Title of the invention : UMBRELLA WHICH HAS A SIMPLE COUPLING STRUCTURE, WHICH DOES NOT RUST, AND WHICH CAN BE USED FOR A LONG TIME

(51) International classification :A45B25/02,A45B25/00  
 (31) Priority Document No :10-2010-0088680  
 (32) Priority Date :10/09/2010  
 (33) Name of priority country :Republic of Korea  
 (86) International Application No :PCT/KR2011/003638  
 Filing Date :17/05/2011  
 (87) International Publication No :WO 2012/033276  
 (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)DAEYOUNG ENGINEERING CO., LTD**

Address of Applicant :1st floor, 1682 Unam-dong, Buk-gu, Kwangju 500-170, Republic of Korea

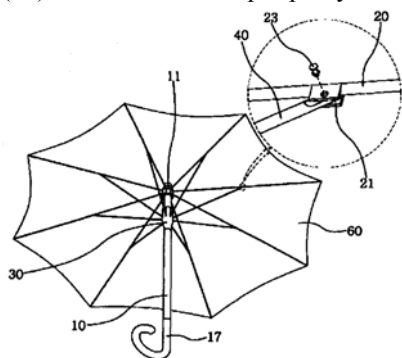
(72)Name of Inventor :

**1)KIM, Young Ki**

**2)KIM Bong Sub**

(57) Abstract :

The present invention relates to an umbrella which has a simple coupling structure, which does not rust, and which can be used for a long time, and more particularly, to an umbrella which does not rust, which can be used for a long time, and which has a simple coupling structure that enables anyone to easily repair and couple the umbrella as the processes for disassembling and coupling same are extremely easy. The umbrella has connectors for the intermediate umbrella ribs, which automatically lock into fixing slots in the umbrella shaft when the umbrella is opened, without the need for a separate locking catch device. The umbrella of the present invention consists of an umbrella shaft of a predetermined length provided with a handle at the bottom thereof, umbrella ribs radially connected to a retainer installed at the top of the umbrella shaft, a hollow rib coupling device coupled so as to be movable back and forth along the umbrella shaft, and intermediate umbrella ribs, one end of each of which is connected to the rib coupling device, and the other end of each of which is coupled to the umbrella ribs. The umbrella shaft (10), umbrella ribs (20), rib coupling device (30), and intermediate umbrella ribs (40) are made of a plastic material. The intermediate umbrella rib (40) includes a rib rod (41) of a certain length, and a connecting sphere (43) having a spherical shape and being integrally formed with one end of the rib rod (41). A plurality of movement slots (31) are formed lengthwise in the outer periphery of the rib coupling device (30) so as to detachably connect the intermediate umbrella ribs (40). A semicircular slot (33) is formed in the bottom of the movement slot (31) such that the connecting sphere (43) of the umbrella rib (40) can be inserted therein. The connecting sphere (43) inserted in the semicircular slot (33) contacts the outer periphery of the umbrella shaft (10).



No. of Pages : 14 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.974/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : SUBSTITUTED HETEROAROMATIC CARBOXAMIDE AND UREA DERIVATIVES AS VANILLOID RECEPTOR LIGANDS

(51) International classification :C07D401/14,C07D403/14,C07D405/14  
(31) Priority Document No :10 014 449.2  
(32) Priority Date :10/11/2010  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2011/005628  
Filing Date :09/11/2011  
(87) International Publication No :WO 2012/062462  
(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)GRÜNENTHAL GMBH**  
Address of Applicant :Zieglerstrae 6, 52078 Aachen, GERMANY  
(72)Name of Inventor :  
**1)FRANK, Robert,**  
**2)CHRISTOPH, Thomas,**  
**3)LESCH, Bernhard,**  
**4)LEE, Jeewoo,**

(57) Abstract :

The invention relates to substituted heteroaromatic carboxamide and urea derivatives of formula (I), to processes for the preparation thereof, to pharmaceutical compositions containing these compounds and also to the use of these compounds for preparing pharmaceutical compositions.

No. of Pages : 125 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.975/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : SUBSTITUTED BICYCLIC CARBOXAMIDE AND UREA DERIVATIVES AS VANILLOID RECEPTOR LIGANDS

(51) International classification :C07D231/12,C07D401/12,C07D403/12  
(31) Priority Document No :10 014 450.0  
(32) Priority Date :10/11/2010  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2011/005630  
Filing Date :09/11/2011  
(87) International Publication No :WO 2012/062463  
(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)GRÜNENTHAL GMBH**  
Address of Applicant :Zieglerstrae 6, 52078 Aachen, GERMANY  
(72)Name of Inventor :  
**1)FRANK, Robert**  
**2)CHRISTOPH, Thomas**  
**3)FRORMANN, Sven**

(57) Abstract :

The invention relates to substituted bicyclic carboxamide and urea derivatives, to processes for the preparation thereof, to pharmaceutical compositions containing these compounds and also to the use of these compounds for preparing pharmaceutical compositions.

No. of Pages : 127 No. of Claims : 15

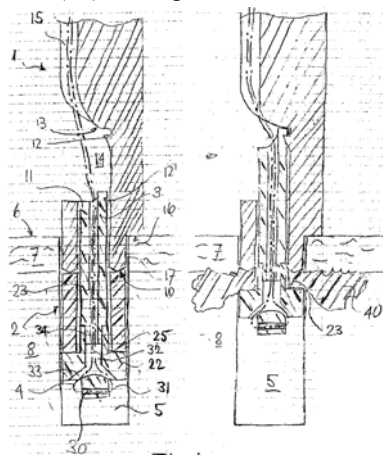
(54) Title of the invention : DEVICE AND METHOD FOR FIXATING A SUTURE ANCHOR IN HARD TISSUE

(51) International classification :A61B17/04,A61B17/00,A61B19/00  
 (31) Priority Document No :61/386,160  
 (32) Priority Date :24/09/2010  
 (33) Name of priority country:U.S.A.  
 (86) International Application No :PCT/CH2011/000223  
 Filing Date :21/09/2011  
 (87) International Publication No :WO 2012/037700  
 (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)SPORTWELDING GMBH**  
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 (72)Name of Inventor :  
**1)MAYER, Jrg**  
**2)LEHMANN, Mario**  
**3)GOEBEL-MEHL, Stephanie**  
**4)WENGER, Andreas**

## (57) Abstract :

The tool (1) for fixating a suture anchor (2) in a hard tissue opening with the aid of a material having thermoplastic properties and energy transmitted to the suture anchor for in situ liquefaction of at least part of the material having thermoplastic properties, comprises a distal face (10), an axial channel (11) and a substantially tube- shaped interface piece (3) fitting into the axial channel (11) of the tool (1), wherein the axial channel (11) and a proximal end of the interface piece (3) are equipped with catch elements (12 and 12) cooperating for catching the interface piece (3) in the axial channel (11) when the interface piece (3) is moved in a proximal direction in the axial channel (11). The suture anchor (2) is coupled to the distal end of the interface piece (3) and comprises an anchor foot (22), through which the suture (4) is threaded in form of a loop, and a thermoplastic sleeve (23).



No. of Pages : 59 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1051/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : ARTICLE WITH ELASTIC DISTRIBUTION AND SYSTEM AND METHOD FOR MAKING SAME

(51) International classification :A61F13/496,B32B37/20  
(31) Priority Document No :61/403,488  
(32) Priority Date :16/09/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2011/001607  
Filing Date :16/09/2011  
(87) International Publication No :WO 2012/036750  
(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)DSG TECHNOLOGY HOLDINGS LTD.**  
Address of Applicant :Craigmuir Chambers, P.O. Box 71,  
Road Town, Tortola (BRITISH) VIRGIN ISLANDS  
(72)**Name of Inventor :**  
**1)TSANG, Patrick King Yu**  
**2)WRIGHT, Andrew, C.**  
**3)SMID, Anne**  
**4)VARONA, Eugenio**

(57) Abstract :

A method is described for making an elasticized absorbent article having a waist opening and a pair of leg openings. First, multiple distributions of elastics are applied on a moving material sheet to form a moving web of an elastic composite. Then, each of a core section and a second material sheet is periodically applied onto the moving web to define a finished web of discrete elastic composite bodies. In subsequent steps, discrete absorbent pants articles are shaped from the finished web.

No. of Pages : 51 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1052/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : DEPOSITION PROCESSES AND DEVICES FOR PHOTOVOLTAICS

(51) International classification :H01L31/042,H01L31/18  
(31) Priority Document No :61/383,292  
(32) Priority Date :15/09/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2011/051807  
Filing Date :15/09/2011  
(87) International Publication No :WO 2012/037382  
(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)PRECURSOR ENERGETICS, INC.**

Address of Applicant :Precursor Energetics, Inc., 3221 Scott Blvd, Santa Clara, California 95054 U.S.A.

(72)Name of Inventor :

**1)FUJDALA, Kyle L.**

**2)ZHU, Zhongliang**

**3)PADOWITZ, David**

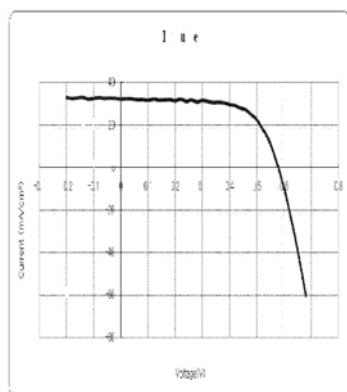
**4)MARKOFF JOHNSON, Paul R.**

**5)CHOMITZ, Wayne A.**

**6)KUCHTA, Matthew C.**

(57) Abstract :

Processes for making a solar cell by depositing various layers of components on a substrate and converting the components into a thin film photovoltaic absorber material. Processes of this disclosure can be used to control the stoichiometry of metal atoms in making a solar cell for targeting a particular concentration and providing a gradient of metal atom concentration. A selenium layer can be used in annealing a thin film photovoltaic absorber material.



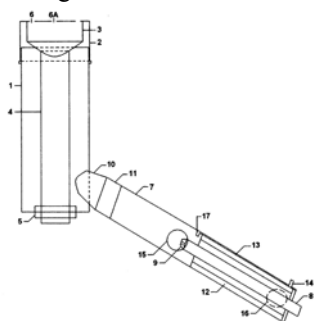
No. of Pages : 141 No. of Claims : 60

(54) Title of the invention : AN INDIGENOUS DESIGN OF LPG BURNER FOR COMMERCIAL COOKING

(51) International classification	:F23D	(71)Name of Applicant :
	14/20	<b>1)SANKHA SUBHRA DATTA</b>
(31) Priority Document No	:NA	Address of Applicant :MOHANTA PARA, (LANE OPP. TO
(32) Priority Date	:NA	SENIOR CTIZENS PARK) PO & DIST-JALPAIGURI, WEST
(33) Name of priority country	:NA	BENGAL.PIN-735 101 India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)SANKHA SUBHRA DATTA</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 :

Disclosed is an Indigenous LPG gas burner with improved combustion and higher thermal efficiency and reduced emissions. Further the burner is designed to have a co-axially placed second venturi tube inside of main venturi tube which is pulled up during slow cooking and thus less cross sectional area of inner venturi tube creates comparatively higher rate of pressure drop inside of tube for which sufficient air is available for blue flame combustion. The burner design enhances high velocity pre-flame mixture from mixing tube into the burner barrel tangentially at about 30 degree inclination with the barrel horizontal axis so that, perfect homogeneous mixing can be achieved due to swirling motion of pre-flame mixture inside of barrel.





(12) PATENT APPLICATION PUBLICATION

(21) Application No.976/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : NEW BENZAZOLE DERIVATIVES AS HISTAMINE H4 RECEPTOR LIGANDS

(51) International classification :C07D401/12,C07D405/14,C07D417/12  
(31) Priority Document No :10306038.0  
(32) Priority Date :27/09/2010  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2011/066782  
Filing Date :27/09/2011  
(87) International Publication No :WO 2012/041860  
(61) Patent of Addition 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)BERREBI-BERTRAND, Isabelle**

**2)BILLOT Xavier**

**3)CALMELS Thierry**

**4)CAPET Marc**

**5)DANVY Denis**

**6)KRIEF Stephane**

**7)LABEEUW Olivier**

**8)LECOMTE Jeanne-Marie**

**9)LEVOIN Nicolas**

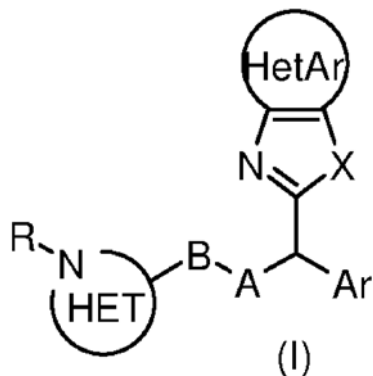
**10)LIGNEAU Xavier**

**11)ROBERT Philippe**

**12)SCHWARTZ Jean-Charles**

(57) Abstract :

The present patent application concerns new ligands of the H4-receptor of formula (I), their process of preparation and their therapeutic use.



No. of Pages : 199 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.977/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : ANTHRA[2,3-B:7,6B' ]DITHIOPHENE DERIVATIVES AND THEIR USE AS ORGANIC SEMICONDUCTORS

(51) International classification :C07F7/08,H01B1/12,H01L29/786

(31) Priority Document No :10 009 454.9

(32) Priority Date :10/09/2010

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2011/004076

Filing Date :12/08/2011

(87) International Publication No :WO 2012/031659

(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)MERCK PATENT GMBH**

Address of Applicant :Frankfurter Strasse 250, 64293 Darmstadt, GERMANY

(72)Name of Inventor :

**1)WANG, Changsheng**

**2)TIERNEY, Steven**

**3)D' LAVARI, Mansoor**

**4)MITCHELL, William**

**5)BLOUIN, Nicolas**

(57) Abstract :

The invention relates to novel anthra[2,3-b:7,6- b]dithiophene derivatives, methods of their preparation, their use as semiconductors in organic electronic (OE) devices, and to OE devices comprising these derivatives.

No. of Pages : 74 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.236/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :28/02/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : GAS CYLINDER ACTUATOR WITH OVERTRAVEL SAFETY DEVICE.

(51) International classification :F42B10/64  
(31) Priority Document No :PD2012A000057  
(32) Priority Date :01/03/2012  
(33) Name of priority country :Italy  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
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(72)Name of Inventor :  
**1)AUGUSTO CAPPELLER**  
**2)ALESSANDRO CAPPELLER**  
**3)DANTE CAPPELLER**

(57) Abstract :

A gas cylinder actuator (10) with overtravel safety device, comprising a tubular jacket (11) for gas containment, which is closed hermetically at one end by a bottom (12) provided with a gas filling valve (13) and at the opposite end by a head portion (14), which is provided with a hole for the passage of a stem (15) with a piston (16), the jacket, the bottom and the piston forming the gas expansion and compression chamber (17). The head portion (14) comprises an annular body (18), which is fixed internally to the jacket (11), and is provided with a central hole (19) for the passage of the stem (15) with the interposition of dynamic sealing means (21), static sealing means being interposed between the annular body (18) and the jacket (11) and an element (20) for controlling the descending motion of a slider (S) of a press with which the actuator (10) is associated being provided and protruding from the annular body or from the jacket, the control element (20) being preset to selectively move or break or deform in order to break or deform or render ineffective in general the static and dynamic sealing means.

No. of Pages : 32 No. of Claims : 13

(54) Title of the invention : INTELLIGENT VISUALISATION IN THE MONITORING OF PROCESS AND/OR SYSTEM VARIABLES

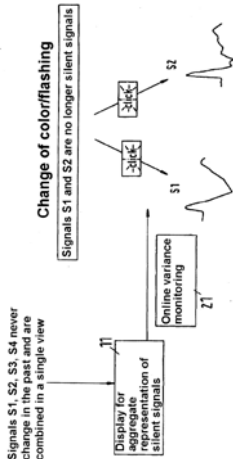
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(51) International classification	:G05B23/02	(71)Name of Applicant :
(31) Priority Document No	:10014593.7	1)ABB TECHNOLOGY AG
(32) Priority Date	:13/11/2010	Address of Applicant :Affolternstr. 44, CH-8050 Zürich,
(33) Name of priority country	:EPO	SWITZERLAND
(86) International Application No	:PCT/EP2011/004175	(72)Name of Inventor :
Filing Date	:19/08/2011	1)CHIOUA, Moncef
(87) International Publication No	:WO 2012/062387	2)HOLLENDER, Martin
(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 method and system for intelligent visualisation in the monitoring of process and/or system data used in technical processes and in the operation of technical systems. The behaviour of signals in the past is analysed and used for a future optimised visualisation. Continuously running online algorithms support the system operator by detecting and correspondingly highlighting deviations from the historically observed signal patterns.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.982/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : POWER SUPPLY DEVICE FOR A NONLINEAR, TIME- VARYING LOAD

(51) International classification	:H02J3/18
(31) Priority Document No	:10187992.2
(32) Priority Date	:19/10/2010
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2011/068166
Filing Date	:18/10/2011
(87) International Publication No	:WO 2012/052424
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SIEMENS AKTIENGESELLSCHAFT**

Address of Applicant :Wittelsbacherplatz 2, 80333 München, GERMANY

(72)Name of Inventor :

**1)WONG, Kwok Tung**

(57) Abstract :

The invention relates to an electrical power supply device for a nonlinear, temporally varying load (1), comprising an electrical power system (2) having a plurality of phases (3). The nonlinear, temporally varying load (1) and a var compensator (5) are connected to the phases (3) of the electrical power system (2). The var compensator (5) is designed as a multilevel converter having a plurality of strands (6). The strands (6) of the multilevel converter (5) are each connected to one of the phases (3) of the electrical power system (2) at one end and are connected to each other at a common star point (7) at the other end. The common star point (7) of the multilevel converter (5) is connected to a star point (12,15) of an additional device (8,14) connected to the phases (3) of the electrical power system (2) so that the common star point (7) of the multilevel converter (5) is connected to the phases (3) of the electrical power system (2) both by means of the strands (6) of the multilevel converter (5) and by means of the additional device (8,14). The connection by means of the additional device (8,14) is designed in such a way that there is a low- resistance connection of the common star point (7) of the multilevel converter (5) to the phases (3) of the electrical power system (2) with respect to the electrical power zero sequence system of the electrical power system (2) and a high resistance connection of the common star point (7) of the multilevel converter (5) to the phases (3) of the electrical power system (2) with respect to the electrical power positive sequence system of the electrical power system (2) and the electrical power negative sequence system of the electrical power system (2).

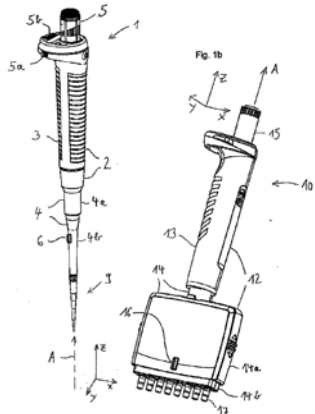
No. of Pages : 21 No. of Claims : 11

## (54) Title of the invention : PIPETTING DEVICE AND MULTI -CHANNEL PIPETTING DEVICE

(51) International classification	:B01L3/02	(71)Name of Applicant :
(31) Priority Document No	:12 001	<b>1)EPPENDORF AG</b>
(32) Priority Date	394.1	Address of Applicant :BARKHAUSENWEG 1, D-22339
(33) Name of priority country	:01/03/2012	HAMBURG, GERMANY
(86) International Application No	:EPO	(72)Name of Inventor :
Filing Date	:NA	<b>1)LINK, HOLGER</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 invention relates to a pipetting device for pipetting at least one fluid laboratory sample into at least one pipetting vessel, said device having a main body extending along an axis direction, at least one connecting section, to which at least one pipetting vessel can be connected by an at least partially axial connecting movement along the positive axis direction, wherein the at least one connecting section is connected to the main body so as to be movable at least in the axis direction, a spring mechanism, by which the at least one connecting section is supported with spring loading on the main body at least in a first operating state of the pipetting device, such that the at least one connecting section, during the connecting movement, can perform a spring-assisted deflection movement along the positive axis direction, wherein an auxiliary mechanism is provided on the pipetting device and is designed to act on the deflection movement of the at least one connecting section in at least a second operating state of the pipetting device, wherein the pipetting device is designed such that the user can alternately put it into the first operating state or the second operating state. The invention further relates to a multi-channel pipetting device.



No. of Pages : 33 No. of Claims : 16

(54) Title of the invention : STEEL SHEET PILE AND STEEL SHEET PILE WALL FORMED OF SUCH STEEL SHEET PILES

(51) International classification :E02D5/04  
 (31) Priority Document No :2010-241618  
 (32) Priority Date :28/10/2010  
 (33) Name of priority country :Japan  
 (86) International Application No :PCT/JP2011/075234  
 Filing Date :26/10/2011  
 (87) International Publication No :WO 2012/057359  
 (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)JFE STEEL CORPORATION**

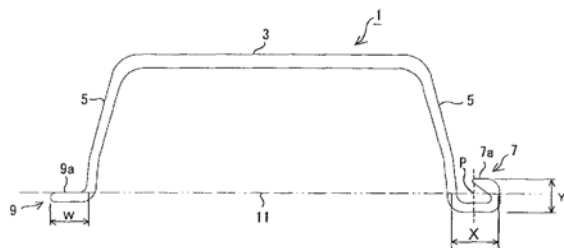
Address of Applicant :2-3,Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011, JAPAN

(72)Name of Inventor :

**1)ONDA, Kunihiko**

(57) Abstract :

In order to obtain a steel sheet pile which is suitable for manufacturing by roll forming and can facilitate connection work for connecting two steel sheet piles a steel sheet pile (1) of the present invention is a U shaped steel sheet pile comprising a web part (3) and flange parts (5) at both ends of the web part (3) and is characterized by being provided with a fitting joint part (7) formed at the front end of one flange part and a connection part (9) formed at the front end of the other flange part (5) to connect adjacent U shaped steel sheet piles the connection part (9) having a flat plate shape which is formed by bending the front end of the flange part (5) in the direction parallel to the web part (3) and extends in the direction parallel to the web part (3) and the position in the direction orthogonal to the web part (3) of the connection part (9) being set within the range of the height of the fitting joint part (7).



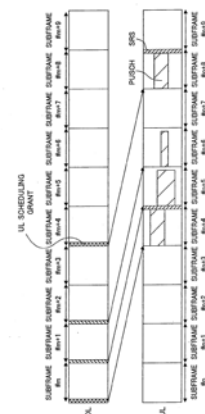
No. of Pages : 22 No. of Claims : 5

(54) Title of the invention : RADIO BASE STATION APPARATUS, MOBILE TERMINAL APPARATUS AND WIRELESS COMMUNICATION METHOD

(51) International classification :H04W72/14,H04W72/08,H04W72/12  
(31) Priority Document No :2010-225227  
(32) Priority Date :04/10/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2011/072745  
Filing Date :03/10/2011  
(87) International Publication No :WO 2012/046682  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
1)NTT DOCOMO, INC.  
Address of Applicant :11-1, Nagatacho 2-chome,Chiyoda-ku, Tokyo 100-6150 JAPAN  
(72)Name of Inventor :  
1)NISHIKAWA, Daisuke  
2)TAKEDA, Kazuaki  
3)ABE, Tetsushi  
4)KISHIYAMA, Yoshihisa

(57) Abstract :  
An objective of the invention is to appropriately report, in a case of application of asynchronous SRS, an SRS transmission timing and an SRS parameter to a mobile terminal apparatus, thereby efficiently using radio resources to be used for the SRS transmission. A radio base station apparatus, which reports, to a mobile terminal apparatus, SRS transmission control information to control the SRS transmission of the mobile terminal apparatus, comprises: an SRS setting unit that selects, from a table having both bit information indicating not to trigger the SRS and bit information instructing a transmission using a default SRS parameter, bit information to be reported to the mobile terminal apparatus; and a reporting unit that uses a downlink control channel to report the bit information to be reported to the mobile terminal apparatus.



No. of Pages : 86 No. of Claims : 16



(54) Title of the invention : MOBILE COMMUNICATION SYSTEM, BASE STATION, AND TRANSMISSION POWER CONTROL METHOD

(51) International classification :H04W52/08,H04W52/24  
 (31) Priority Document No :2010-244079  
 (32) Priority Date :29/10/2010  
 (33) Name of priority country :Japan  
 (86) International Application No :PCT/JP2011/073058  
 Filing Date :06/10/2011  
 (87) International Publication No :WO 2012/056859  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

(71)Name of Applicant :

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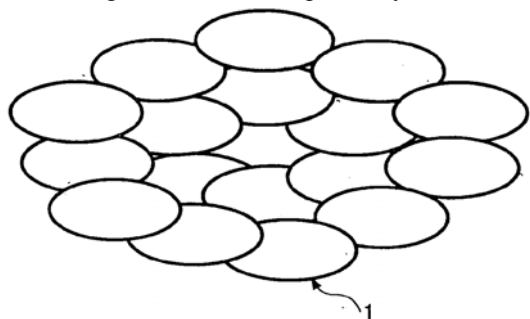
(72)Name of Inventor :

**1)GOTO, Yoshikazu**

**2)OOKUBO ,Naoto**

(57) Abstract :

When the cell of a first system which controls the uplink transmission power following a transmission loss is close to the cell of a second system which controls the uplink transmission power following the phasing of the channel, the quality of the uplink signal in the cell of the first system can be ensured. A base station comprises: an uplink signal/interference power measurement unit which measures desired signal power and interference signal power from a reception signal; an SIR calculation unit which calculates reception quality for controlling the transmission power on the basis of the desired signal power and the interference signal power; a TPC command generation unit which generates transmission power control information in accordance with the result of comparison between the reception quality for controlling the transmission power and a predetermined aimed reception quality; and a signal transmission unit which transmits to a user device, control signals including resource information indicating a wireless resource for uplink signals and transmission power control information: wherein the SIR calculation unit calculates the reception quality for controlling the transmission power by a calculation method corresponding to the communication status in the cell of the base station.



No. of Pages : 28 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1088/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

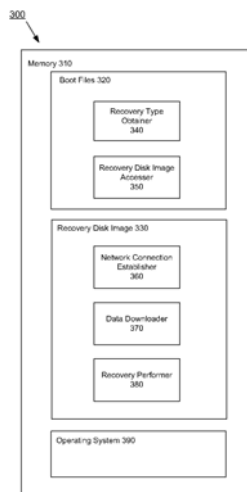
(54) Title of the invention : NETWORKED RECOVERY SYSTEM

(51) International classification :G06F11/14,G06F9/445  
(31) Priority Document No :12/948,691  
(32) Priority Date :17/11/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2011/060760  
Filing Date :15/11/2011  
(87) International Publication No :WO 2012/068087  
(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)APPLE INC.**  
Address of Applicant :1 Infinite Loop, Cupertino, CA 95014  
U.S.A.  
(72)**Name of Inventor :**  
**1)MATTHEW, Jack, R.**

(57) Abstract :

A method and apparatus for networked recovery system is described herein. In one embodiment, a process is provided to obtain a type of recovery selected by a user. A non- volatile partition of a storage volume containing a recovery disk image is accessed. The recovery disk image does not include an installation package. If the obtained type of recovery is a predetermined type of recovery, a network connection is established using the recovery disk image and data is downloaded over the network connection for the obtained type of recovery. The obtained type of recovery of the system is performed.



No. of Pages : 31 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1089/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : MEDICAMENT DELIVERY DEVICE

(51) International classification	:A61M5/315
(31) Priority Document No	:1051064-2
(32) Priority Date	:11/10/2010
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2011/051202
Filing Date	:07/10/2011
(87) International Publication No	:WO 2012/050511
(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)SHL GROUP AB**

Address of Applicant :IP Department, Box 1240,  
Augustendalsvägen 19, SE-13128 Nacka Strand SWEDEN

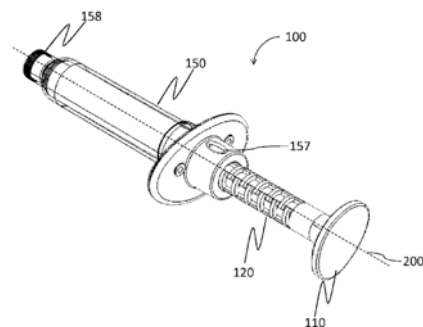
(72)Name of Inventor :

**1)GUSTAFSSON, Magnus**

**2)LÖÖF, Stefan**

(57) Abstract :

Provided is a medicament delivery device comprising an axially elongated housing, a coaxially extending plunger rod mounted with in the housing for expelling successive doses of medicament and rotatable about the axis. The plunger rod can be axially displaced from a ready-to-use position for expelling a dose of medicament to a non-ready-to-use position axially spaced from said ready-to-use position along the axis, and from said non-ready-to use position to a subsequent ready-to-use position angularly spaced from said non-ready-to use position about the axis. The device further comprises an indicator member displaceably mounted onto the housing between a first angular position indicative of the ready-to-use positions and a second angular position indicative of the non-ready-to use positions.



No. of Pages : 26 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.987/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : FEEDBACK METHOD AND MOBILE TERMINAL DEVICE

(51) International classification :H04J99/00,H04B7/04,H04J11/00  
(31) Priority Document No :2010-224821  
(32) Priority Date :04/10/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2011/072757  
Filing Date :03/10/2011  
(87) International Publication No :WO 2012/046689  
(61) Patent of Addition 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 :11-1, Nagatacho 2-chome, Chiyoda-ku,  
Tokyo 1006150 JAPAN  
(72)Name of Inventor :  
**1)NAGATA, Satoshi**  
**2)KAKISHIMA, Yuichi**  
**3)TAOKA, Hidekazu**  
**4)KUSUME, Katsutoshi**

(57) Abstract :

Downlink MIMO communication in which multiple antennas are used, wherein a PMI, which is necessary for precoding weight generation, can be fed back while ensuring an improvement in throughput characteristics. A mode for providing feedback to a wireless base station, including a precoding type indicator (PTI) in a PUCCH, for downlink MIMO communication in which multiple transmitting antennas are used, is characterized in that a transmission cycle for feedback information corresponding to report 2 and report 3 when the PTI value is 0 is made to differ from a transmission cycle for feedback information corresponding to report 2 and report 3 when PTI = 1, and duplexing is then performed, and the duplexed signal is transmitted to a wireless base station by PUCCH.

No. of Pages : 71 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.988/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/04/2013

(43) Publication Date : 06/09/2013

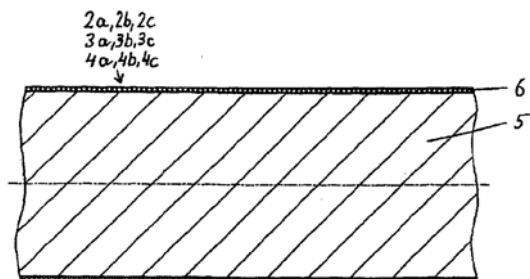
(54) Title of the invention : INTERMODULATION RESISTANT FLEXIBLE SHAFT HAVING ELECTRICALLY INSULATING COATED WIRES

(51) International classification :F16C1/02,H01Q3/32  
(31) Priority Document No :10 2010 046 446.5  
(32) Priority Date :24/09/2010  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2011/004754  
Filing Date :22/09/2011  
(87) International Publication No :WO 2012/038086  
(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)KATHREIN-WERKE KG**  
Address of Applicant :Anton-Kathrein-Str. 1-3, 83022  
Rosenheim GERMANY  
(72)Name of Inventor :  
**1)STANISZEWSKI, Walter**  
**2)BERGER, Stefan**  
**3)HÄNTSCH, Ralf**  
**4)POLSTER, Hubert**

(57) Abstract :

The invention relates to a flexible shaft (1) intended for torque transfer, comprising a plurality of metal wires (5) that are helically wound in a plurality of layers with an opposite winding direction that alternates from layer to layer, wherein each of the metal wires (5) is surrounded by an electrically insulating insulation layer (6), which prevents a metal-on-metal contact between adjacent metal wires (5) and thereby prevents unwanted intermodulation products.



No. of Pages : 9 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.989/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : COMMUNICATION TERMINAL AND WARNING INFORMATION ACQUISITION METHOD

(51) International classification :H04N7/16,H04B1/16  
(31) Priority Document No :2011-153293  
(32) Priority Date :11/07/2011  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2012/066420  
Filing Date :27/06/2012  
(87) International Publication No :WO 2013/008628  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)NTT DOCOMO, INC.**  
Address of Applicant :11-1, Nagatacho 2-chome, Chiyoda-ku,  
Tokyo 1006150 JAPAN  
(72)Name of Inventor :  
**1)SASAKI, Makoto**  
**2)HIGUCHI, Takeshi**  
**3)SHIKAMA, Hiroki**

(57) Abstract :

This communication terminal is provided with: a receiving unit which receives a 1segment signal from any of multiple broadcasting stations performing digital terrestrial broadcasting; an output unit which outputs to a user the 1segment signal received by the receiving unit; a channel search unit which, from 1segment signals broadcast by multiple broadcast stations, searches for a specific broadcast station broadcasting a 1segment signal containing an auxiliary information signal that may include warning information; and a determination unit which, after a user has finished viewing a selected broadcast station, determines whether or not the auxiliary information signal in the 1segment signal received by the receiving unit from the specific broadcast station contains warning information. If said auxiliary information signal does contain warning information, the output unit outputs the warning information to the user.

No. of Pages : 38 No. of Claims : 7

## (54) Title of the invention : COMMUNICATION CONTROL SYSTEM AND MOBILE STATION CONTROL METHOD

(51) International classification :H04W48/18,H04W36/14,H04W84/10

(31) Priority Document No :2010-227611

(32) Priority Date :07/10/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/073177

Filing Date :07/10/2011

(87) International Publication No :WO 2012/046830

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)NTT DOCOMO, INC.**

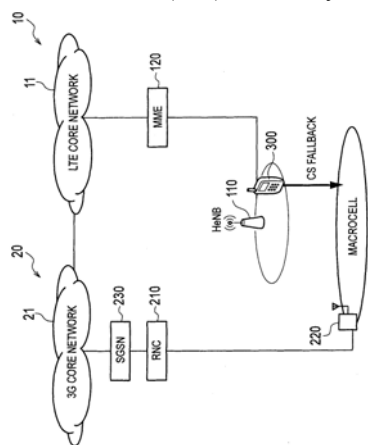
Address of Applicant :11-1, Nagatacho 2-chome, Chiyoda-ku, Tokyo 1006150 JAPAN

(72)Name of Inventor :

**1)AOYAGI, Kenichiro****2)TAKAGI, Yukiko****3)NAKAMURA, Yuichiro****4)OKAMOTO, Takeshi**

## (57) Abstract :

Provided are a communication control system and a mobile station control method for allowing a mobile station to quickly return, upon the termination of a communication performed via a fallback wireless communication system used by the mobile station, to the connection with a base station of a wireless communication system used before the occurrence of the fallback state. An RNC (210) comprises: an information element acquiring unit that acquires, from an LTE system (10), an information element that is used to allow a return to the connection with a base station used before a fallback state; and a mobile station control unit that uses the information element, which is acquired by the information element acquiring unit, to execute a control to allow a mobile station (300) to return to the connection with an HeNB (110). The mobile station control unit executes that control on the basis of a communication state of the mobile station (300) in a 3G system (20).



No. of Pages : 22 No. of Claims : 7

## (54) Title of the invention : FALLING FILM EVAPORATOR

(51) International classification :B01D1/06  
 (31) Priority Document No :10397515.7  
 (32) Priority Date :28/09/2010  
 (33) Name of priority country :EPO  
 (86) International Application No :PCT/FI2011/050838  
 Filing Date :28/09/2011  
 (87) International Publication No :WO 2012/042113  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

## (71)Name of Applicant :

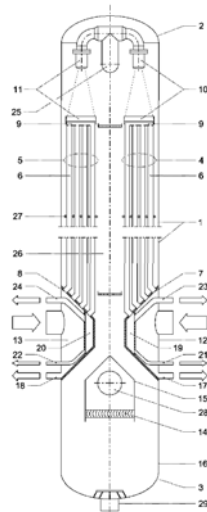
**1)RINHEAT OY**Address of Applicant :Miestentie 3 B, FI-02150 Espoo  
FINLAND

## (72)Name of Inventor :

**1)ARTAMO, Arvi****2)JUHOLA, Pentti**

## (57) Abstract :

The invention relates to a falling film evaporator, comprising an outer shell formed by a cylindrical shell (1) and convex ends (2,3), at least one tube bundle (4,5) formed of vertical tubes (6) arranged inside the outer shell, whereby a heat-releasing, condensable vapour can be fed into the vertical tubes (6) from below up-wards, and a heat-receiving, vaporizable liquid can be fed to the upper end of said tube bundle (4,5) to flow downwards along the outer surface of the vertical tubes (6) as a thin liquid layer, whereby means for discharging non-condensable gases contained in the heat-releasing vapour has been arranged in the tube bundle (4, 5). The invention is characterized in that the evaporator comprises two or more tube bundles (4, 5) each being provided with a tube plate (7, 8) of its own, whereby the vertical tubes (6) of each tube bundle (4, 5) are at their lower ends attached to the tube plate (7, 8) of the corresponding tube bundle (4, 5) and at their upper ends to collecting manifolds (9) of the corresponding tube bundle (4, 5).



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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.990/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/04/2013

(43) Publication Date : 06/09/2013

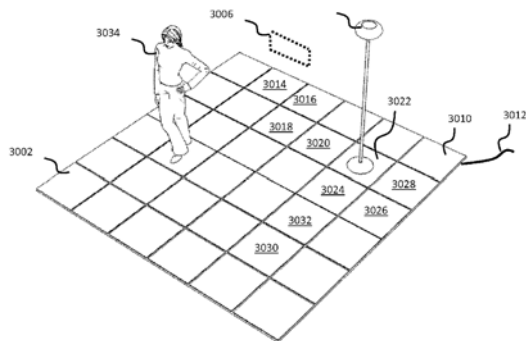
(54) Title of the invention : WIRELESS ENERGY DISTRIBUTION SYSTEM

(51) International classification :H02J17/00  
(31) Priority Document No :61/382,806  
(32) Priority Date :14/09/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2011/051634  
Filing Date :14/09/2011  
(87) International Publication No :WO 2012/037279  
(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)WITRICITY CORPORATION**  
Address of Applicant :149 Grove Street, Watertown, MA  
02472 U.S.A.  
(72)Name of Inventor :  
**1)GANEM, Steven, J.**  
**2)SCHATZ, David, A.**  
**3)KESLER, Morris, P.**  
**4)GILER, Eric, R.**  
**5)HALL, Katherine, L.**

(57) Abstract :

Described herein are systems for wireless energy transfer distribution over a defined area. Energy may be distributed over the area via a plurality of repeater, source, and device resonators. The resonators within the area may be tunable and the distribution of energy or magnetic fields within the area may be configured depending on device position and power needs.



No. of Pages : 105 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.991/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : VOLATILE MATERIAL DISPENSER AND DISPENSING SCREEN THEREFOR

(51) International classification	:A61L9/12
(31) Priority Document No	:1015168.6
(32) Priority Date	:10/09/2010
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2011/001337
Filing Date	:12/09/2011
(87) International Publication No	:WO 2012/032310
(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)I&I DEVELOPMENTS LTD**

Address of Applicant :Washington House, PO Box 112,  
Reigate, Surrey RH2 9FT U.K.

(72)Name of Inventor :

**1)SLADE, Brian Parry**

(57) Abstract :

A dispensing screen for dispensing, by evaporation, volatile materials applied thereto, is provided. The screen comprises a sheet of material and diverting means formed in the plane of the sheet. The diverting means form a minimum path length along the length of the sheet, between at least a portion of a first edge and an opposing second edge of the sheet, which minimum path length is longer than the distance between the first and second edges along the surface of the sheet. A dispensing apparatus is also provided, which in embodiments includes the dispensing screen of the invention, and in embodiments includes a sink for capturing un- evaporated volatile material.

No. of Pages : 48 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/04/2013

(21) Application No.1070/KOLNP/2013 A

(43) Publication Date : 06/09/2013

(54) Title of the invention : VAPOR-PERMEABLE SHOE WITH WATERPROOF AND VAPOR-PERMEABLE SOLE

(51) International classification :A43B7/08,A43B7/12,A43B13/12  
(31) Priority Document No :PD2010A000286  
(32) Priority Date :28/09/2010  
(33) Name of priority country :Italy  
(86) International Application No :PCT/EP2011/065170  
Filing Date :02/09/2011  
(87) International Publication No :WO 2012/041637  
(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)GEOX S.P.A.**

Address of Applicant :Via Feltrina Centro, 16, 31044  
MONTEBELLUNA, Località Biadene-(Treviso), ITALY

(72)Name of Inventor :

**1)Mario POLEGATO MORETTI**

(57) Abstract :

A vapor-permeable shoe (10) with waterproof and vapor-permeable sole, which comprises an upper assembly (11), a sole (12), which is joined to the upper assembly (11) and comprises a body (13) made of waterproof material which has a tread (14) and has at least one region (15) that is permeable to water vapor, at least one waterproof and vapor-permeable membrane (16), which covers the region (15), toward the inside of the shoe (10), at least one protective element (17), which covers at least partially the lower face (16a) of the membrane (16), at least one protective shield (18) which is waterproof and vapor-permeable, covers the region (15) and is substantially interposed between the region and the protective element (17), the protective shield (18) being sealed in a waterproof manner to the body (13) at at least one zone (13a) of the body (13) that is peripheral to the region (15).

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

(54) Title of the invention : BASE STATION DEVICE, MOBILE TERMINAL DEVICE, AND COMMUNICATION CONTROL METHOD

(51) International classification :H04W72/04,H04J1/00,H04J11/00

(31) Priority Document No :2010-225178

(32) Priority Date :04/10/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/072750  
Filing Date :03/10/2011

(87) International Publication No :WO 2012/046684

(61) Patent of Addition to Application Number :NA  
Filing Date :NA

(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

**1)NTT DOCOMO, INC.**

Address of Applicant :11-1, Nagatacho 2-chome, Chiyoda-ku, Tokyo 1006150 JAPAN

(72)Name of Inventor :

**1)MIKI, Nobuhiko**

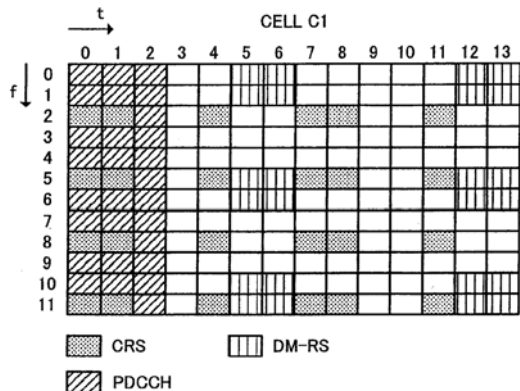
**2)ABE, Tetsushi**

**3)OHWATARI, Yusuke**

**4)NAGATA, Satoshi**

(57) Abstract :

To provide a base station device, a mobile terminal device, and a communication control method, wherein it is possible to improve the accuracy of estimating the quality of a channel. A communication control method characterized by involving: a step for disposing a Channel State Information-Reference Signal (CSI-RS) which is a reference signal for estimating a downlink channel in a resource for the CSI-RS transmission sub-frame; a step for setting the resource disposed in an area adjacent to the CSI-RS transmission sub-frame as a muting resource; and a step for transmitting, to a mobile terminal device, transmission interval information pertaining to the transmission interval of sub frames having the same timing within the transmission cycle of CSI-RS transmission sub-frames in the area in which the mobile terminal device is located and the transmission cycle of CSI-RS transmission sub-frames in an adjacent area.



No. of Pages : 72 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.226/KOL/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : DIFFERENTIAL DRIVE SYSTEM HAVING INDIVIDUAL CLUTCH CONTROL AND MUTUAL FLEXIBILITY TRANSMISSION

(51) International classification	:F16H63/30	(71)Name of Applicant :
(31) Priority Document No	:13/410,385	<b>1)TAI-HER-YANG</b>
(32) Priority Date	:02/03/2012	Address of Applicant :NO. 59, CHUNG HSING 8 ST., SI-HU
(33) Name of priority country	:U.S.A.	TOWN, DZAN-HWA, R.O.C. Taiwan
(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 to drive the first transmission device (T101), and is individually installed with the output end transmission devices to the output end of the first transmission device (T101), so as to drive the loading wheel sets installed at the two sides of the common load body (L100), as well as installed with individually controlled output end clutch devices for controlling the driven wheel sets and the wheel shafts to perform engaging transmission or terminating transmission, and between the wheel shafts of the loading wheel sets at two lateral sides of the common load body (L100), a flexibility transmission device is installed, thereby through the flexibility transmission device performing the flexibility transmission with differential rotational speed from the engaging transmission side to the terminating transmission side.

No. of Pages : 71 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.995/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : PROCESS FOR MANUFACTURING PAPER AND BOARD

(51) International classification	:D21H17/67,D21H17/68	(71)Name of Applicant :
(31) Priority Document No	:20106168	<b>1)NORDKALK OY AB</b>
(32) Priority Date	:05/11/2010	Address of Applicant :Skräbbölevägen 18, 21600 Pargas,
(33) Name of priority country	:Finland	FINLAND
(86) International Application No	:PCT/FI2011/050975	(72)Name of Inventor :
Filing Date	:04/11/2011	<b>1)VIRTANEN, Pentti</b>
(87) International Publication No	:WO 2012/059650	<b>2)SAASTAMOINEN, Sakari</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 a fibre product that contains pulp fibre or wood fibre, wherein filler particles are attached between the fibres and to the fibrils, part of the particles consisting of chemically structured kaolin agglomerates or granules, and a part consisting of carbonate that is formed from a corresponding oxide or hydroxide by means of carbon dioxide. The invention also relates to a manufacturing method of such a fibre product.

No. of Pages : 23 No. of Claims : 18

(54) Title of the invention : METHOD, ELECTRONIC MAP, AND MOBILE TERMINAL FOR GENERATING MAP PHONE BOOK

(51) International classification :G06F17/30  
 (31) Priority Document No :201010510078.X  
 (32) Priority Date :18/10/2010  
 (33) Name of priority country :China  
 (86) International Application No :PCT/CN2011/080702  
     Filing Date :12/10/2011  
 (87) International Publication No :WO 2012/051910  
 (61) Patent of Addition to Application Number :NA  
     Filing Date :NA  
 (62) Divisional to Application Number :NA  
     Filing Date :NA

(71)Name of Applicant :

**1)HUAWEI DEVICE CO., LTD.**

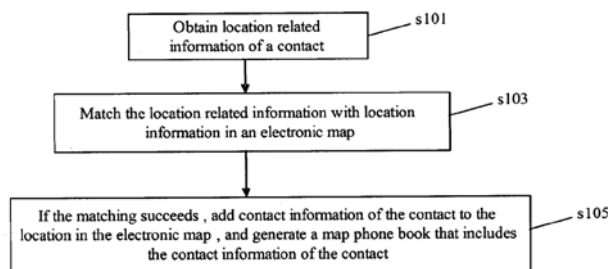
Address of Applicant :Building B2, Huawei Industrial Base, Bantian, Longgang District, Shenzhen, P.R. CHINA 518129 China

(72)Name of Inventor :

**1)WEI, Qiuyang**

(57) Abstract :

A method for generating a map phone book as well as an electronic map and a mobile terminal are disclosed. The method includes: acquiring position related information of a contact; matching the position related information with position information in an electronic map; if the matching succeeds adding contact information of the contact to the position in the electronic map; generating a map phone book having contact information of contacts. By acquiring position related information of a contact matching said information with position information in the electronic map and then generating a map phone book the present invention enables contact information to be visually represented by means of a map thereby making it convenient for users to look up the contact information by means of a map.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.997/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : ANASTOMOTIC DEVICES AND METHODS

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:A61M1/36,A61F2/06 :61/381,655 :10/09/2010 :U.S.A. :PCT/US2011/051133 :10/09/2011 :WO 2012/034108 :NA :NA :NA :NA	(71)Name of Applicant : <b>1)W. L. GORE &amp; ASSOCIATES, INC.</b> Address of Applicant :555 Paper Mill Road, Newark, DE 19711 U.S.A. (72)Name of Inventor : <b>1)CULLY, Edward, H.</b> <b>2)DUNCAN, Jeffrey, B.</b>
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(57) Abstract :

Exemplary embodiments comprise AV fistulas and other anastomotic devices for creating new or reinforcing existing side-branch vessels, and/or bridging neighboring vessels together. An exemplary embodiment may comprise a sidewall port, such as a flanged sidewall port, and/or flow frame design, such as a partially bare, flexible stent or a whisk, for purposes of creating a transmural flow. Another exemplary embodiment may comprise a compliant vessel support to aid in the transition from device to vessel and/or vessel to device, and to promote vessel dilation.

No. of Pages : 41 No. of Claims : 58



(12) PATENT APPLICATION PUBLICATION

(21) Application No.962/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : MOLECULAR DETERMINANT BASED TYPING OF KIR ALLELES AND KIR-LIGANDS

(51) International classification	:C07H21/00,G01N33/48	(71)Name of Applicant :
(31) Priority Document No	:61/390,473	<b>1)ST. JUDE CHILDRENS RESEARCH HOSPITAL</b>
(32) Priority Date	:06/10/2010	Address of Applicant :262 Danny Thomas Place, Mail Stop
(33) Name of priority country	:U.S.A.	742, Memphis, TN 38105, U.S.A.
(86) International Application No	:PCT/US2011/054906	(72)Name of Inventor :
Filing Date	:05/10/2011	<b>1)LEUNG, Wing</b>
(87) International Publication No	:WO 2012/047985	<b>2)BARI, Rafijul</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 an assay to perform a molecular determinant-based functional killer immunoglobulin-like receptors (KIR) allele typing and ligand typing. In particular the present invention provides methods, compositions, and kits for a single nucleotide polymorphism (SNP) assay to type various allele groups of KIR2DL1 and KIR ligand with distinct functional properties based on polymorphism at position 245 in KIR2DL1, position 77 in HLA-C, and position 83 in HLA-B and HLA-A. The assays are suitable for use in predicting NK cell activity in health, disease, and transplantation.

No. of Pages : 44 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.963/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : AUTOMATIC INSONIFICATION ANGLE ADJUSTMENT FOR ULTRASONIC TEST HEADS WHICH IS DEPENDENT ON THE POSITION OF THE TEST HEADS

(51) International classification :G01N29/22,G01N29/265,G01N29/24  
(31) Priority Document No :10189177.8  
(32) Priority Date :28/10/2010  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2011/067805  
Filing Date :12/10/2011  
(87) International Publication No :WO 2012/055701  
(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 M<sup>u</sup>nchen, GERMANY  
(72)Name of Inventor :  
**1)CLOSSEN-VON LANKEN SCHULZ, Michael**  
**2)OBERMAYR, Stefan**

(57) Abstract :

The invention describes an apparatus for subjecting a component (1) to ultrasound testing (5),which apparatus comprises at least one ultrasound test head (11) and a guide unit (8). The guide unit (8) is configured in such a manner that the test head (11) can be continuously moved in at least one translation direction (12),wherein the incidence angle of the test head (11) with respect to the surface (6) of the component (1) is continuously changed at the same time.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1037/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/04/2013

(43) Publication Date : 06/09/2013

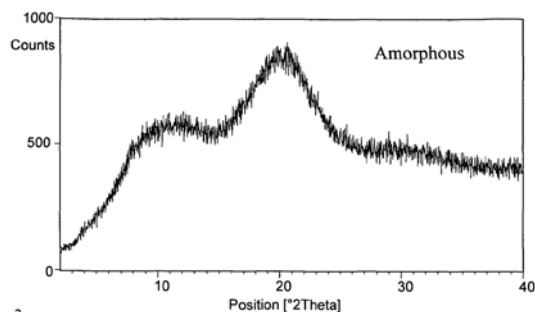
(54) Title of the invention : CRYSTALLINE FORM OF 13-[(N-TERT-BUTOXYCARBONYL)-2'-O- HEXANOYL-3-PHENYLISOSERINYL]-10-DEACETYLBACCATIN III

(51) International classification :C07D493/04,A61K31/357,A61P35/00  
(31) Priority Document No :10189373.3  
(32) Priority Date :29/10/2010  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2011/068835  
Filing Date :27/10/2011  
(87) International Publication No :WO 2012/055952  
(61) Patent of Addition 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 :Viale Ortles 12, I-20139 Milan, ITALY  
(72)Name of Inventor :  
**1)CICERI, Daniele**  
**2)GAMBINI, Andrea**  
**3)RICOTTI, Maurizio**  
**4)SARDONE, Nicola**

(57) Abstract :

The present invention relates to 13-[(N-tert-butoxycarbonyl)-2-O-hexanoyl-3-phenylisoserinyl]-10 deacetylbaccatin III a crystalline form.



No. of Pages : 22 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1038/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : PLASTICIZED POLYOXYMETHYLENE

(51) International classification :C08L59/02,C08L59/04,C08K5/101  
(31) Priority Document No :10187623.3  
(32) Priority Date :14/10/2010  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2011/067978  
Filing Date :14/10/2011  
(87) International Publication No :WO 2012/049287  
(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)TICONA GMBH,**  
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GERMANY  
(72)Name of Inventor :  
**1)JÜNGER, Oliver;**  
**2)MARKGRAF, Kirsten;**

(57) Abstract :

The present invention relates to a molding composition, molded parts obtainable therefrom as well as the use of the molding composition for the manufacturing of molded parts used in the automotive industry, as well as for cables, pipes, tubes, corrugated pipes, fuel pipes, air pipes, fuel hoses, break hoses, air hoses, hydraulic hoses, pneumatic hoses, pressure hoses, and connection assemblies.

No. of Pages : 33 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1039/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/04/2013

(43) Publication Date : 06/09/2013

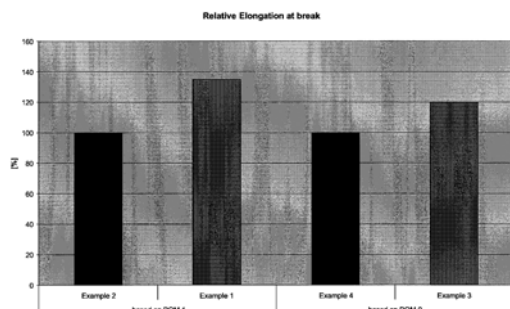
(54) Title of the invention : COUPLED GLASS-FIBER REINFORCED POLYOXYMETHYLENE

(51) International classification :C08G18/56,C08G18/76,C08K7/14  
(31) Priority Document No :10187614.2  
(32) Priority Date :14/10/2010  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2011/067992  
Filing Date :14/10/2011  
(87) International Publication No :WO 2012/049293  
(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)TICONA GMBH,**  
Address of Applicant :Am Unisys-Park 1, 65843 Sulzbach, GERMANY  
(72)Name of Inventor :  
**1)MARKGRAF, Kirsten;**  
**2)LARSON, Lowell;**

(57) Abstract :

The present invention relates to a molding composition, a process for the manufacturing of said molding composition, molded parts obtainable therefrom as well as the use of the molding composition for the manufacturing of molded parts used in the automotive industry, for housings, latches, window winding systems, wiper systems, pulleys, sun roof systems, seat adjustments, levers, gears, claws, pivot housing, brackets, wiper arms or seat rails.



No. of Pages : 55 No. of Claims : 27

(54) Title of the invention : PRODUCT DISPENSING SYSTEM

(51) International classification :B65D5/72,B65D71/36,A47F1/08

(31) Priority Document No :12/891,391

(32) Priority Date :27/09/2010

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/051550

Filing Date :14/09/2011

(87) International Publication No :WO 2012/044461

(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)MEADWESTVACO CORPORATION**

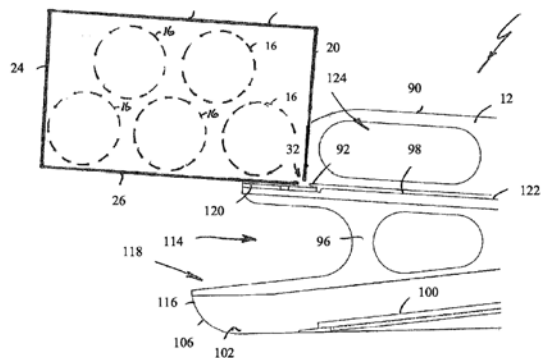
Address of Applicant :501 South 5th Street, Richmond, VIRGINIA 23219-0501, U.S.A.

(72)Name of Inventor :

**1)WALLING, Bradford, J.****2)GELARDI, John A.****3)BATES, Aaron L.**

(57) Abstract :

A product dispensing system (10) is disclosed that comprises a dispenser (12) and a container (14) having a plurality of walls (18, 20, 22, 24, 26, 28) that define an internal volume and an opening (32) into the internal volume. The dispenser (12) includes a frame (90) configured to support the container (14) and a catch element (92) connected to the frame (90) such that the catch element (92) engages the opening (32) when the container (12) is loaded onto the frame (92).



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.251/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :05/03/2013

(43) Publication Date : 06/09/2013

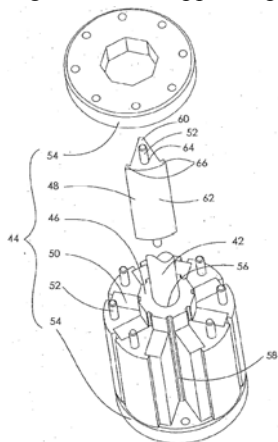
(54) Title of the invention : PERMANENT MAGNET MOTOR

(51) International classification :H02K11/00  
(31) Priority Document No :201210055497.8  
(32) Priority Date :05/03/2012  
(33) Name of priority country :Republic of Korea  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)JOHNSON ELECTRIC S.A.**  
Address of Applicant :BAHNHOFSTRASSE 18, CH-3280  
MURTEN SWITZERLAND  
(72)Name of Inventor :  
**1)ZHANG WEI**  
**2)ZHOU CHUI YOU**  
**3)JIANG MAO XIONG**  
**4)WU ZENG HUI**

(57) Abstract :

A permanent magnet motor has a stator and a rotor surrounded by the stator. The stator includes a stator core having twelve teeth and coils wound around the teeth. The rotor includes a shaft and a magnet core group secured to the shaft. The magnet core group includes eight rotor core segments and eight ferrite permanent magnets. Each magnet is sandwiched between adjacent rotor core segments and is polarized in the circumferential direction of the rotor. The magnets are alternately magnetized such that adjacent rotor core segments have opposite polarities.



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

(54) Title of the invention : DUAL INHIBITORS OF MET AND VEGF FOR THE TREATMENT OF CASTRATION- RESISTANT PROSTATE CANCER AND OSTEOBLASTIC BONE METASTASES

(51) International classification :A61K31/00,A61K31/47,A61P35/00  
 (31) Priority Document No :61/386,959  
 (32) Priority Date :27/09/2010  
 (33) Name of priority country:U.S.A.  
 (86) International Application No :PCT/US2011/053233  
 Filing Date :26/09/2011  
 (87) International Publication No :WO 2012/044572  
 (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)EXELIXIS, INC.**

Address of Applicant :210 East Grand Avenue, P.O. Box 511,  
 So. San Francisco, CA 94080-0511 U.S.A.

(72)Name of Inventor :

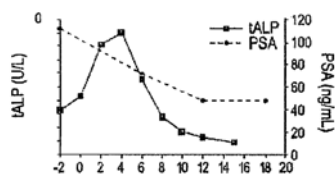
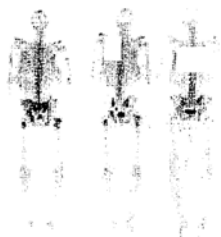
**1)SMITH, David**

**2)HUSSAIN, Maha**

(57) Abstract :

This invention is directed to the treatment of cancer, particularly castration-resistant prostate cancer and osteoblastic bone metastases, with a dual inhibitor of MET and VEGF.

A



No. of Pages : 42 No. of Claims : 18



(12) PATENT APPLICATION PUBLICATION

(21) Application No.999/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : ARYLOSULFONAMIDES FOR THE TREATMENT OF CNS DISEASES

(51) International classification :C07D209/40,C07D235/30,C07D275/04  
(31) Priority Document No :P.392436  
(32) Priority Date :17/09/2010  
(33) Name of priority country :Poland  
(86) International Application No :PCT/EP2011/066054  
Filing Date :16/09/2011  
(87) International Publication No :WO 2012/035123  
(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)ADAMED SP. Z O.O.**  
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**3)JAŚKOWSKA, Jolanta**  
**4)MARCINKOWSKA, Monika**  
**5)MITKA, Katarzyna**  
**6)BUCKI, Adam**  
**7)WESOŁOWSKA, Anna**  
**8)PAWŁOWSKI, Maciej**

(57) Abstract :

Arylsulphonamide derivatives of formula (I) and pharmaceutically acceptable salts thereof. The compounds may be useful for the treatment and/or prevention of disorders of the central nervous system.

No. of Pages : 187 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.979/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : METHOD AND SYSTEM FOR FAST SWITCHING BACKUP POWER SUPPLY IN MULTIPLE POWER SOURCE

(51) International classification :H02J9/04,H02J9/06  
(31) Priority Document No :201010568286.5  
(32) Priority Date :30/11/2010  
(33) Name of priority country :China  
(86) International Application No :PCT/EP2011/071096  
Filing Date :28/11/2011  
(87) International Publication No :WO 2012/072526  
(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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(72)Name of Inventor :  
**1)WANG Long Tian**  
**2)ZHAO Shu Yao**

(57) Abstract :

The present invention discloses a method and system for fast switching between multiple backup power supplies. The method comprises: building, on the basis of the changing characteristics of the amplitude difference and phase angle difference of a bus voltage, an acceleration model for the changing speed thereof; selecting an optimum backup power supply from the multiple backup power supplies by way of forecasting the changed value thereof; and switching the load on the bus to the optimum backup power supply. The system comprises: a detecting module, a calculating module, a comparison module, a backup power supply determining module, and a switching module. The method and system of the present invention is able to ensure the reliable and optimized fast switching of the load on a bus.

No. of Pages : 33 No. of Claims : 14

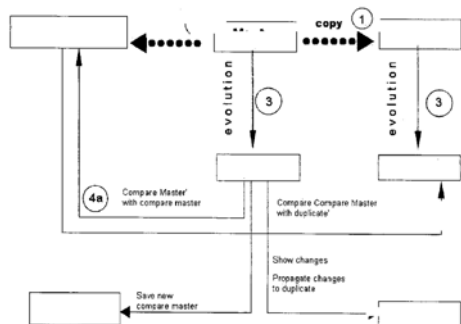
(54) Title of the invention : METHOD AND SYSTEM FOR PROPAGATION OF AMENDMENT MADE TO A MASTER TO COPIES

(51) International classification :G05B19/042,G06F9/44  
 (31) Priority Document No :NA  
 (32) Priority Date :NA  
 (33) Name of priority country :NA  
 (86) International Application No :PCT/EP2010/006164  
 Filing Date :08/10/2010  
 (87) International Publication No :WO 2012/045326  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

(71)Name of Applicant :  
**1)ABB TECHNOLOGY AG**  
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 (72)Name of Inventor :  
**1)MESSINGER, Christian**  
**2)WILKE, Kay**  
**3)GRAMBERG, Oliver**  
**4)JESKE, Ralf**

(57) Abstract :

The invention refers to a method and a system for propagation of amendments in the configuration of technical equipment e.g., transformers, generators, mills, and other automated machines or devices, by means of transfer of an amended configuration of a master comprising a specific apparatus or device to a non-limited number of duplicates of said master, whereas any changes which have been done with the master are propagated from the master to the duplicate in a semi-automated or fully automated manner whereas possible conflicts are indicated automatically by means of graphic display.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1092/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

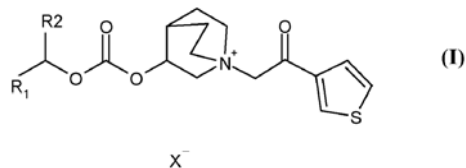
(54) Title of the invention : CARBONATE DERIVATIVES FOR THE TREATMENT OF COUGH

(51) International classification :C07D453/02,A61K31/439,A61P11/14  
(31) Priority Document No :10188152.2  
(32) Priority Date :20/10/2010  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2011/067431  
Filing Date :06/10/2011  
(87) International Publication No :WO 2012/052297  
(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)CHIESI FARMACEUTICI S.p.A.**  
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ITALY  
(72)Name of Inventor :  
**1)PATACCHINI, Riccardo**  
**2)GEPETTI, Pierangelo**

(57) Abstract :

The invention relates to use of certain quinuclidine carbonate derivatives as cough suppressants, particularly for treating patients with upper respiratory tract infections or asthma.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1053/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : CONTROL SYSTEM AND METHOD FOR THE TRANSMISSION OF A VEHICLE

(51) International classification	:F16D48/06
(31) Priority Document No	:PD2010A000273
(32) Priority Date	:13/09/2010
(33) Name of priority country	:Italy
(86) International Application No	:PCT/IB2011/053980
Filing Date	:12/09/2011
(87) International Publication No	:WO 2012/035485
(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)CARRARO DRIVE TECH S.R.L.**  
Address of Applicant :Via Olmo, 37, I-35011 Campodarsego  
(pd) ITALY  
(72)**Name of Inventor :**  
**1)CUOGO, Luca**

(57) Abstract :

A control system (1) for the transmission of an agricultural vehicle or an industrial off- highway vehicle including at least one clutch (10a,b,c), wherein the system comprises: a controller (40) of the clutch (10a,b,c), connected thereto to supply an operating signal (42), a plurality of sensors (11) suitable for measuring a plurality of characteristic quantities of the transmission and connected to the controller to supply a plurality of signals (14) proportional to the quantities, a torque processor (37) suitable for calculating a reference torque and connected to the controller to supply thereto a signal proportional to the reference torque (38), a thermal load managing device suitable for receiving at least some of the plurality of quantities (14) and for receiving the reference torque (38) in order to calculate at least one operative datum (39,46) on which the thermal power exchanged in the clutch (10a,b,c) is dependent, the control system (1) being suitable for processing the operative datum (39,46) in order to operate the transmission in such a manner as to limit the temperature in the clutch (10a,b,c).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1054/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/04/2013

(43) Publication Date : 06/09/2013

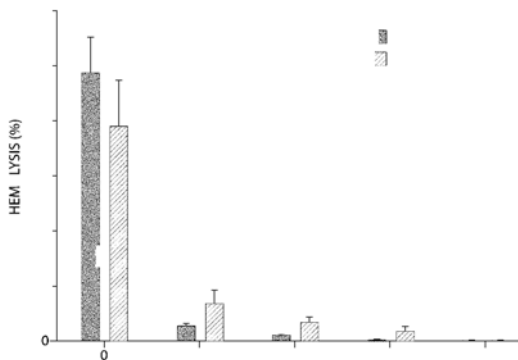
(54) Title of the invention : TREATMENT OF CHRONIC NEPHROPATHIES USING SOLUBLE COMPLEMENT RECEPTOR TYPE I (SCR1)

(51) International classification :A61K38/00,C07K14/435,A61P13/00  
(31) Priority Document No :61/383,004  
(32) Priority Date :15/09/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2011/051792  
Filing Date :15/09/2011  
(87) International Publication No :WO 2012/037370  
(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)CELLDEX THERAPEUTICS,INC.**  
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02494-2725 U.S.A.  
**2)UNIVERSITY OF IOWA RESEARCH FOUNDATION**  
(72)Name of Inventor :  
**1)SMITH, Richard, J.H.**  
**2)ZHANG, Yuzhou**  
**3)MARSH, Henry, C.**

(57) Abstract :

A method is disclosed for treating nephropathies involving undesired alternative pathway complement activation by administration of a complement inhibitory protein such as soluble complement receptor type I (sCR1).



No. of Pages : 44 No. of Claims : 59

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1055/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : WRAP-AROUND CARRIER WITH LOCKING HEEL RETAINING STRUCTURE

(51) International classification :B65D71/20

(31) Priority Document No :61/384,042

(32) Priority Date :17/09/2010

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/052068

Filing Date :19/09/2011

(87) International Publication No :WO 2012/037541

(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)MEADWESTVACO PACKAGING. SYSTEMS, LLC.**

Address of Applicant :501 South 5th Street, Richmond,  
Virginia 23219-0501, U.S.A.

(72)Name of Inventor :

**1)AUCLAIR, Jean Michel**

**2)BLIN, Patrick**

(57) Abstract :

A wraparound carrier includes lockable retaining structures (140, 142, 144, 150, 152, 154) for maintaining the security and position of containers (C) in a package (100) during the process of wrapping the carrier around an article group. Each of the retaining structures includes a pair of side flaps (200, 202) that fold inwardly to cradle the heel of a container that is received in an aperture (A) along which the side flaps are hingedly connected. A pair of locking tabs (212, 213, 214, 215) is formed in part from the side flaps and in part from an adjacent carrier panel. The locking tabs cooperate to hold the side flaps in operative positions before the carrier contacts the article group, thereby eliminating the need for special packaging equipment.

No. of Pages : 26 No. of Claims : 15

## (54) Title of the invention : SLEEVE SEAL FOR GATE VALVES

(51) International classification :F16K3/04,F16K3/10  
 (31) Priority Document No :61/383,428  
 (32) Priority Date :16/09/2010  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/US2011/051882  
 Filing Date :16/09/2011  
 (87) International Publication No :WO 2012/037435  
 (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)PENTAIR VALVES & CONTROLS US LP**

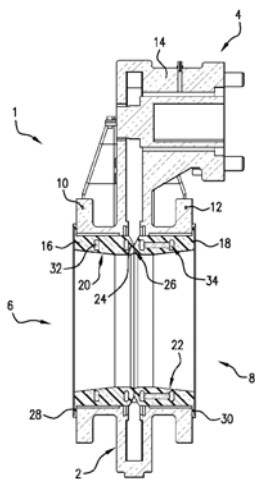
Address of Applicant :10707 Clay Road Houston, TX 77041 U.S.A.

## (72)Name of Inventor :

**1)NGUYEN, Viet**

## (57) Abstract :

A gate valve sleeve including a reinforced elastomeric valve sleeve member with an integrally molded reinforcing member disposed therein. In one embodiment, the reinforcing member comprises a pair of parallel spaced ring elements connected by a plurality of spacers. In another embodiment, the reinforcing member comprises first and second ring member abutted to form a T-shape. In a further embodiment, the reinforcing member comprises a ring and a plurality of axially oriented spacer members. In yet a further embodiment, the reinforcing member comprises a pair of ring elements connected by a plurality of pins. The pins are fixed to one of the ring elements and are slidably engageable with the other ring element. In an alternate embodiment, an auxiliary ring member is located within an interior opening of the reinforcing member.



No. of Pages : 38 No. of Claims : 15



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1045/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : METHOD, PROCESS AND FABRICATION TECHNOLOGY FOR HIGH-EFFICENCY LOW-COST CRYSTALLINE SILICON SOLAR CELLS

(51) International classification :C03C17/25,H01L21/02,H01L21/316  
(31) Priority Document No :61/383,435  
(32) Priority Date :16/09/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2011/028190  
Filing Date :11/03/2011  
(87) International Publication No :WO 2012/036760  
(61) Patent of Addition 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)FAUR, Horia, M.**  
**2)FAUR, Maria**  
**3)FAUR, Mircea**

(57) Abstract :

Disclosed is a method, process, solar cell design, and fabrication technology for high- efficiency, low-cost, crystalline silicon (Si) solar cells including but not restricted to solar grade single crystal Si (c-Si), multi- crystalline Si (mc-Si), poly-Si, and micro-Si solar cells and solar modules. The RTWCG solar cell fabrication technology creates a RTWCG SiOx thin film antireflection coating (ARC) with a graded index of refraction and a selective emitter (SE). The resulting top surface of the SiOx oxide can be textured (TO) concomitant with the growth process or through an additional mild wet chemical step.

No. of Pages : 144 No. of Claims : 72

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1046/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : IMMUNOGENIC COMPOSITION

(51) International classification :A61K39/112  
(31) Priority Document No :513069.5  
(32) Priority Date :27/06/2005  
(33) Name of priority country :U.K.  
(86) International Application No :PCT/EP2006/006220  
Filing Date :23/06/2006  
(87) International Publication No :WO/2007/000327  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :4945/KOLNP/2007  
Filed on :19/12/2007

(71)Name of Applicant :  
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(72)Name of Inventor :  
**1)BIEMANS RALPH LEON**  
**2)BOUTRIAU, DOMINIQUE**  
**3)DENOEL, PHILIPPE**  
**4)POOLMAN, JAN**  
**5)CAPIAU, CARINE**  
**6)DUVIVIER, PIERRE**

(57) Abstract :

The present application discloses an immunogenic composition comprising a Hib saccharide conjugate, at least one additional bacterial, for example N. meningitidis, saccharide conjugate(s), and a farther antigen selected from the group consisting of whole cell pertussis and hepatitis B surface antigen, wherein the saccharide dose of the Hib saccharide conjugate is less than 5µg.

No. of Pages : 46 No. of Claims : 69

(54) Title of the invention : CONTROL VALVE HAVING A VARIABLE NOZZLE CROSS SECTION FOR AUTOMATIC COMPRESSED AIR BRAKES

(51) International classification :B60T7/12,B60T8/17,B60T8/18  
 (31) Priority Document No :201001379  
 (32) Priority Date :20/09/2010  
 (33) Name of priority country :EAPO  
 (86) International Application No :PCT/EP2011/065723  
 Filing Date :12/09/2011  
 (87) International Publication No :WO 2012/038283  
 (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)KNORR-BREMSE SYSTEME FÜR  
 SCHIENENFAHRZEUGE GMBH**

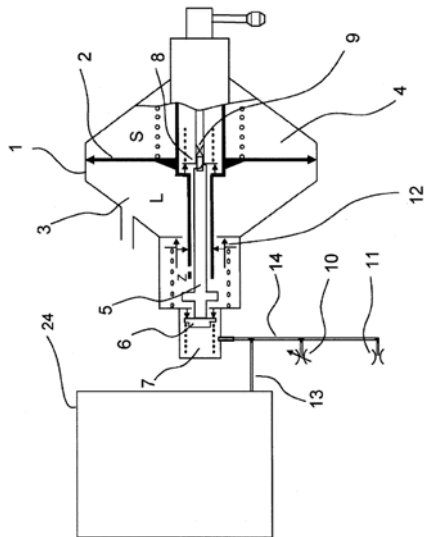
Address of Applicant :Moosacher Str. 80, 80809 München, GERMANY

(72)Name of Inventor :

**1)HELLER, Martin,  
 2)KRYLOV, Vladimir  
 3)PETTER, Thomas,  
 4)ROMANOV, Sergey,**

(57) Abstract :

The invention relates to a control valve for indirectly acting compressed air brakes of railway vehicles, containing a triple pressure element (24) and a twin pressure element (1), which comprises a control piston (2; 2), on which from one side the pressure of the air of a main air line (L) acts and from the opposite side the pressure of the air of a valve spool chamber (S) acts and which interacts with an acceleration valve (6) via a tappet (5), which, in the open state, connects the main air line (L) via a check valve (12), and connects the valve spool chamber (S) via a valve (8; 8 ) or via a bore (9), to a channel (7), and further to a channel (13) for the additional ventilation at the start of braking via the triple-pressure element (24) and to a ventilation path (14) in the twin pressure element (1) to the surroundings, wherein at least one throttle area (10) is arranged in the ventilation path (14), the effective cross section of said throttle area being variable via actuation means in the twin-pressure element (1) from a closed or inactive state or from a minimum cross-section to a maximum cross-section.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.953/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : CONTROL VALVE ASSEMBLY OF A COMPRESSED-AIR BRAKE FOR A RAIL VEHICLE

(51) International classification	:B60T17/04
(31) Priority Document No	:201001386
(32) Priority Date	:20/09/2010
(33) Name of priority country	:EAPO
(86) International Application No	:PCT/EP2011/065731
Filing Date	:12/09/2011
(87) International Publication No	:WO 2012/038284
(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 :Moosacher Str. 80, 80809 München,  
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(72)Name of Inventor :

**1)CZYPIONKA, Simon**

**2)KRYLOV, Vladimir**

(57) Abstract :

The invention relates to a control valve assembly for operating at least one associated brake cylinder (17) of a pneumatic brake of a rail vehicle, comprising a valve support (1) which is fixed on a vehicle frame (20) in proximity to the brake cylinder (17) such that it is accessible from the outside and comprises several pipe connections (11a 11b 11c) for distributing the compressed air. According to the invention, at least one pipe part and a main part are detachably fixed to said valve support via flange surfaces (6a; 6b) associated to each part, both flange surfaces (6a,6b) of the valve support (1) being disposed adjacent and at an angle to one another.

No. of Pages : 21 No. of Claims : 12

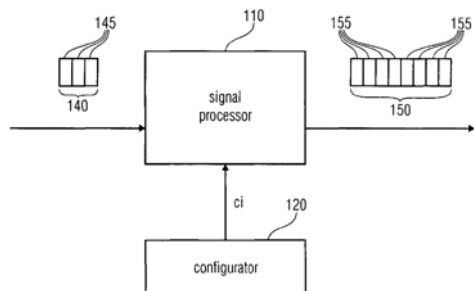
(54) Title of the invention : APPARATUS AND METHOD FOR PROCESSING AN AUDIO SIGNAL AND FOR PROVIDING A HIGHER TEMPORAL GRANULARITY FOR A COMBINED UNIFIED SPEECH AND AUDIO CODEC (USAC)

(51) International classification :G10L19/00,G10L19/02,G10L21/04  
 (31) Priority Document No :61/390,267  
 (32) Priority Date :06/10/2010  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/EP2011/067318  
 Filing Date :04/10/2011  
 (87) International Publication No :WO 2012/045744  
 (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)FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.**  
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**2)VOICEAGE CORPORATION**  
 (72)Name of Inventor :  
**1)MULTRUS, Markus**  
**2)GRILL, Bernhard**  
**3)NEUENDORF ,Max**  
**4)RETTELBACH, Nikolaus**  
**5)FUCHS, Guillaume**  
**6)GOURNAY, Philippe**  
**7)LEFEBVRE, Roch**  
**8)BESSETTE, Bruno**  
**9)WILDE, Stephan**

(57) Abstract :

An apparatus for processing an audio signal is provided. The apparatus comprises a signal processor (110; 205; 405) and a configurator (120; 208; 408). The signal processor (110; 205; 405) is adapted to receive a first audio signal frame having a first configurable number of samples of the audio signal, Moreover, the signal processor (110; 205; 405) is adapted to upsample the audio signal by a configurable upsampling factor to obtain a processed audio signal. Furthermore, the signal processor (110; 205; 405) is adapted to output a second audio signal frame having a second configurable number of samples of the processed audio signal. The configurator (120; 208; 408) is adapted to configure the signal processor (110; 205; 405) based on configuration information such that the configurable upsampling factor is equal to a first upsampling value when a first ratio of the second configurable number of samples to the first configurable number of samples has a first ratio value. Moreover, the configurator (120; 208; 408) is adapted to configure the signal processor (110; 205; 405) such that the configurable upsampling factor is equal to a different second upsampling value when a different second ratio of the second configurable number of samples to the first configurable number of samples has a different second ratio value. The first or the second ratio value is not an integer value.



No. of Pages : 40 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.955/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

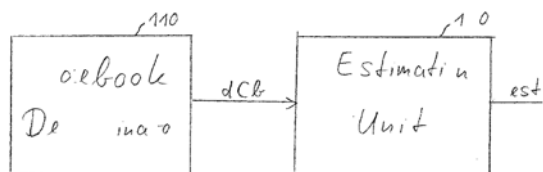
(54) Title of the invention : APPARATUS AND METHOD FOR LEVEL ESTIMATION OF CODED AUDIO FRAMES IN A BIT STREAM DOMAIN

(51) International classification :G10L19/00,H04N7/15  
(31) Priority Document No :61/390,739  
(32) Priority Date :07/10/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/EP2011/067466  
Filing Date :06/10/2011  
(87) International Publication No :WO 2012/045816  
(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)FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG  
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(72)Name of Inventor :  
**1)GEIGER, Ralf**  
**2)SCHNELL, Markus**  
**3)LUTZKY, Manfred**  
**4)DIATSCHUK, Marco**

(57) Abstract :

An apparatus for level estimation of an encoded audio signal is provided. The apparatus comprises a codebook determinator (110) for determining a codebook from a plurality of codebooks as an identified codebook. The audio signal has been encoded by employing the identified codebook. Moreover, the apparatus comprises an estimation unit (120) configured for deriving a level value associated with the identified codebook as a derived level value and, for estimating a level estimate of the audio signal using the derived level value.



No. of Pages : 41 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.957/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : WINDSCREEN INSTALLATION APPARATUS AND METHOD

(51) International classification :B60J1/00,B62D65/06,B25B11/00

(31) Priority Document No :1018558.5

(32) Priority Date :03/11/2010

(33) Name of priority country :U.K.

(86) International Application No :PCT/GB2011/052130

Filing Date :02/11/2011

(87) International Publication No :WO 2012/059755

(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)BELRON HUNGARY KFT-ZUG BRANCH**

Address of Applicant :Gotthardstrasse 20, CH-6304 Zug, SWITZERLAND

(72)Name of Inventor :

**1)FINCK, William**

**2)DAVIES, Christopher**

(57) Abstract :

Apparatus for use in handling windcreens for example for installation in a vehicle,includes a windscreen anchor assembly (2) comprising a windscreen anchor device and a support arm (16) extending away from the windscreen anchor device. A mount assembly (3) is provided for supporting the windscreen anchor assembly (2). The mount assembly (3) includes a mount structure (11) for engaging with the support arm (16) such that the support arm can slide bodily in its longitudinal direction with respect to the mount structure (11). Additionally,the support arm is dismantable into more than one piece for stowage,the anchor device and a dismantled arm part being provided with means for attaching to one another for stowage.

No. of Pages : 39 No. of Claims : 50

(12) PATENT APPLICATION PUBLICATION

(21) Application No.958/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : METHOD FOR PRODUCING AN INSULATION COATING ON A GRAIN-ORIENTED ELECTRICAL STEEL FLAT PRODUCT AND ELECTRICAL STEEL FLAT PRODUCT COATED WITH SUCH AN INSULATION COATING

(51) International classification:C21D8/12,H01F1/147,C23C22/74

(31) Priority Document No :10 2010 038 038.5

(32) Priority Date :07/10/2010

(33) Name of priority country :Germany

(86) International Application No :PCT/EP2011/066509

Filing Date :22/09/2011

(87) International Publication No :WO 2012/045593

(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)THYSSENKRUPP ELECTRICAL STEEL GMBH**

Address of Applicant :Kurt-Schumacher-Straße 95,  
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(72)Name of Inventor :

**1)SCHEPERS, Carsten**

**2)WANG, Chaoyong**

**3)LAHN, Ludger**

**4)SCHRAPERS, Heiner**

**5)PAHLKE, Stefan**

(57) Abstract :

The invention relates to a method for producing a grain-oriented electrical steel flat product with minimized magnetic loss values wherein the method comprises the following work steps: a) providing an electrical steel flat product,b) applying a layer of a phosphatic insulation solution for at least one surface of the electrical steel flat product and baking the applied layer. In order that the tensile stresses acting on the surface of an electrical steel flat product are increased further by means of such a method,the invention proposes that,after carrying out work step b) for a first time,said work step b) is repeated at least once,such that an insulation layer is obtained from the layers of the phosphatic insulation solution that are successively applied to one another and baked.

No. of Pages : 29 No. of Claims : 15



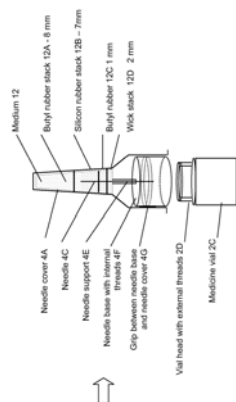
(54) Title of the invention : REUSABLE INJECTION NEEDLE WITH NEEDLE COVER CONTAINING STERILIZING AND LUBRICATING AGENTS AND GUIDE SYSTEM FOR CONNECTION OF NEEDLE HUB TO DRUG DELIVERY DEVICE

(51) International classification :A61M5/00,A61M5/32,A61M5/34  
 (31) Priority Document No :12/807,481  
 (32) Priority Date :07/09/2010  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/US2011/050547  
 Filing Date :06/09/2011  
 (87) International Publication No :WO 2012/033761  
 (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)SINGHAL, Tara, Chand**  
 Address of Applicant :P.O. Box 5075, Torrance, CA 90510 U.S.A.  
 (72)Name of Inventor :  
**1)SINGHAL, Tara, Chand**

(57) Abstract :

A needle cover (4a) for an injection needle that enables reuse of on injection needle (4C) for multiple injection uses for a same user is described. The needle cover contains a disinfecting agent (12E),a sanitizing agent (12D) and a lubricating agent (12B). The needle cover sanitizes, disinfects and lubricates a single-use injection needle for reuse when the needle is moved inside the needle cover and positioned therein for temporary storage. The agents are held in a medium that enable the agents to be positioned inside the needle cover. The agents in the medium are stacked on top of each other in heights for different needle lengths. The first stack is a wick medium that absorbs excess fluid droplets from a needle head, the second stack is a medium that disinfects the needle, and the third stack is a medium that lubricates the needle.



No. of Pages : 45 No. of Claims : 20

(54) Title of the invention : SYSTEM FOR VISUAL AND ELECTRONIC READING OF COLORIMETRIC TUBES

(51) International classification :G01N21/00,G01N27/00  
 (31) Priority Document No :61/380,582  
 (32) Priority Date :07/09/2010  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/US2011/050721  
 Filing Date :07/09/2011  
 (87) International Publication No :WO 2012/033853  
 (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)NEXTTEQ LLC**

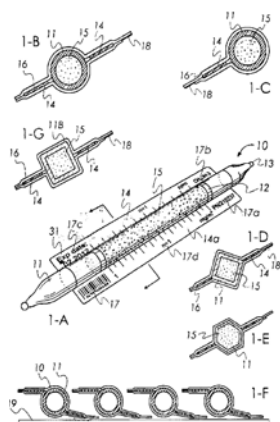
Address of Applicant :8406 Benjamin Road, Suite 3, Tampa, FL 33634 U.S.A.

(72)Name of Inventor :

**1)TRUEX, Bryan I.****2)MIHAYLOV, Gueorgui**

(57) Abstract :

Gas detector tubes may be used to determine a concentration of target gases in air. The gas detector tubes described may be read either by an optical reader or visually by the user. A gas detector tube reader having an optical reader capable of reading a length of stain, a color change and color density of a reagent in a gas detector tube. The gas detector tube may further comprise sensors for measuring the environmental conditions during sampling.

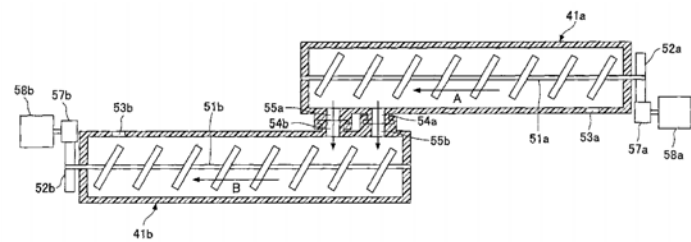


No. of Pages : 45 No. of Claims : 34

(54) Title of the invention : DEVELOPER CONTAINER, DEVELOPING DEVICE, PROCESS CARTRIDGE, IMAGE FORMING DEVICE, AND DEVELOPER REFILLING METHOD

(51) International classification	:G03G15/08	(71)Name of Applicant :	
(31) Priority Document No	:2011-172608	1)RICOH COMPANY, LTD.	
(32) Priority Date	:08/08/2011	Address of Applicant :3-6 Nakamagome, 1-chome, Ohta-ku,	
(33) Name of priority country	:Japan	Tokyo, 1438555 JAPAN	
(86) International Application No	:PCT/JP2012/070583	(72)Name of Inventor :	
Filing Date	:07/08/2012	1)NAKAMURA, Kenji	
(87) International Publication No	:WO 2013/022110	2)OOYOSHI, Hirobumi	
(61) Patent of Addition to Application Number	:NA	3)YOSHIDA, Tomofumi	
Filing Date	:NA	4)HAMADA, Manabu	
(62) Divisional to Application Number	:NA		
Filing Date	:NA		

(57) Abstract :  
Disclosed is a first developer container that delivers developer to a second developer container,the first developer container including a first opening configured to be engaged with the second developer container and configured to deliver the developer; and a conveyor configured to convey the developer and configured to deliver the developer through the first opening.



No. of Pages : 127 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1095/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 06/09/2013

(54) Title of the invention : THERMOELECTRIC APPARATUS AND APPLICATIONS THEREOF

(51) International classification :H01L35/22,H01L31/058,H01L35/26  
(31) Priority Document No :61/394,293  
(32) Priority Date :18/10/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2011/056740  
Filing Date :18/10/2011  
(87) International Publication No :WO 2012/054504  
(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)WAKE FOREST UNIVERSITY**  
Address of Applicant :391 Technology Way, Suite 199,  
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(72)Name of Inventor :  
**1)CARROLL, David, L.**

(57) Abstract :

In some embodiments, thermoelectric apparatus and various applications of thermoelectric apparatus are described herein. In some embodiments, a thermoelectric apparatus described herein comprises at least one p-type layer coupled to at least one n-type layer to provide a pn junction, and an insulating layer at least partially disposed between the p-type layer and the n-type layer, the p-type layer comprising a plurality of carbon nanoparticles and the n- type layer comprising a plurality of n-doped carbon nanoparticles.

No. of Pages : 40 No. of Claims : 38

## (54) Title of the invention : BASE STATION AND METHOD

(51) International classification :H04W52/24,H04B1/04,H04W16/26  
 (31) Priority Document No :2010-228872  
 (32) Priority Date :08/10/2010  
 (33) Name of priority country :Japan  
 (86) International Application No :PCT/JP2011/072620  
 Filing Date :30/09/2011  
 (87) International Publication No :WO 2012/046657  
 (61) Patent of Addition 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)KIYOSHIMA, Kohei**  
**2)ISHII, Hiroyuki**  
**3)HIRAMOTO, Yoshitaka**  
**4)NAKAMINAMI, Naoki**

## (57) Abstract :

A base station comprises a determination unit which on the basis of the delay time of a signal transmitted to and received from a mobile machine,determines whether the mobile machine is performing wireless communication via a booster device,a target SIR setting unit which when transmission power control is performed on the basis of the reception SIR of an uplink signal from the mobile machine,sets a target SIR to be compared with the reception SIR,a transmission power control signal generation unit which on the basis of the target SIR and the reception SIR,generates a transmission power control signal to be set in order to control the transmission power of the mobile machine,and a transmission unit which transmits the transmission power control signal to a mobile station. The target SIR setting unit sets the target SIR to a predetermined upper limit or less when the mobile machine is determined to be performing the wireless communication via the booster device.

No. of Pages : 57 No. of Claims : 11

(54) Title of the invention : DEVICE FOR PRODUCING AND METHOD FOR PRODUCING WET WIPES

(51) International classification :A47K7/00,A47K10/16  
 (31) Priority Document No :2010-222541  
 (32) Priority Date :30/09/2010  
 (33) Name of priority country :Japan  
 (86) International Application No :PCT/JP2011/071227  
     Filing Date :16/09/2011  
 (87) International Publication No :WO 2012/043279  
 (61) Patent of Addition to Application Number :NA  
     Filing Date :NA  
 (62) Divisional to Application Number :NA  
     Filing Date :NA

(71)Name of Applicant :

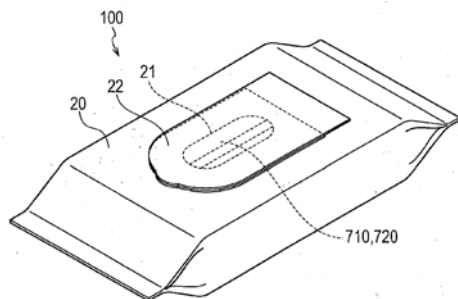
**1)UNICHARM CORPORATION**Address of Applicant :182, Shimobun, Kinsei-cho,  
Shikokuchuo-shi, Ehime 7990111 JAPAN

(72)Name of Inventor :

**1)BANDO, Takeshi****2)MIYAKE, Daisuke****3)HIRAMATSU, Ikue****4)ISHIKAWA, Yoshihide**

(57) Abstract :

The present invention prevents unevenness in the amount of impregnation by a predetermined chemical and prevents a decrease in ease of removal resulting from increasing the rate of impregnation by the predetermined chemical. A press device (15) has: a plurality of rollers (201,202,203); press belts (204a,204b) wound around the plurality of rollers (201,202,203); and conveyor belts (205,206) that convey a stacked body (800). At least one roller from among the plurality of rollers (201,202,203) drives the press belts (204a,204b) at a predetermined speed of conveyance and in a predetermined direction of conveyance. The press belts (204a,204b) are disposed with a gap in an intersecting direction (CD) perpendicular to the conveyance direction (MD) that is such that the press belts (204a,204b) can contact both end portions (800A,800B) of the stacked body (800) in the intersecting direction (CD).



No. of Pages : 23 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.959/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : CPR MONITORING SYSTEM

(51) International classification :G09B23/28

(31) Priority Document No :2010 1497

(32) Priority Date :26/10/2010

(33) Name of priority country :Norway

(86) International Application No :PCT/EP2011/068304

Filing Date :20/10/2011

(87) International Publication No :WO 2012/055745

(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)LAERDAL MEDICAL AS**

Address of Applicant :POSTBOKS 377, 4002 Stavanger,  
NORWAY

(72)Name of Inventor :

**1)FOSSAN, Helge**

(57) Abstract :

The invention relates to a system for monitoring CPR performed on a manikin. The manikin comprising means for measuring at least one first parameter concerning a performed CPR, and a measuring unit for positioning on the chest of a manikin or patient during CPR comprising sensors for measuring at least one second parameter concerning a performed CPR. The system also comprising analyzing means for analyzing said first and second parameters measured during a chosen time period during a performed CPR on said manikin and evaluating the measured parameters.

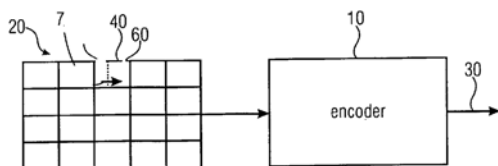
No. of Pages : 13 No. of Claims : 12

(54) Title of the invention : PICTURE CODING SUPPORTING BLOCK PARTITIONING AND BLOCK MERGING

(51) International classification	:H04N7/26,H04N7/50	(71)Name of Applicant :
(31) Priority Document No	:61/391,473	<b>1)FRAUNHOFER-GESELLSCHAFT ZUR F-FRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.</b>
(32) Priority Date	:08/10/2010	Address of Applicant :HansastraÙe 27c, 80686 M¼nchen,
(33) Name of priority country	:U.S.A.	GERMANY
(86) International Application No	:PCT/EP2011/067647	(72)Name of Inventor :
Filing Date	:10/10/2011	<b>1)SCHWARZ, Heiko</b>
(87) International Publication No	:WO 2012/045886	<b>2)HELLE, Philipp</b>
(61) Patent of Addition to Application Number	:NA	<b>3)MARPE, Detlev</b>
Filing Date	:NA	<b>4)WIEGAND, Thomas</b>
(62) Divisional to Application Number	:NA	<b>5)OUDIN, Simon</b>
Filing Date	:NA	<b>6)BROSS, Benjamin</b>

## (57) Abstract :

A further coding efficiency increase may be achieved if for a current block of a picture, for which the bit stream signals one of supported partitioning patterns, a reversal of the partitioning by block merging is avoided. In particular, if the signaled one of the supported partitioning patterns specifies a subdivision of the block into two or more further blocks, a removal of certain coding parameter candidates for all further blocks, except a first further block of the further blocks in a coding order, is performed. In particular, those coding parameter candidates are removed from the set of coding parameter candidates for the respective further block, the coding parameters of which are the same as coding parameters associated with any of the further blocks which, when being merged with the respective further block, would result in one of the supported partitioning pattern. By this measure, redundancy between partitioning coding and merging coding is avoided.



No. of Pages : 62 No. of Claims : 16



(54) Title of the invention : METHOD, BASE STATION AND USER EQUIPMENT FOR TRANSMITTING CHANNEL QUALITY INFORMATION

(51) International classification :H04W72/04  
 (31) Priority Document No :201010538259.3  
 (32) Priority Date :09/11/2010  
 (33) Name of priority country :China  
 (86) International Application No :PCT/CN2011/081989  
 Filing Date :09/11/2011  
 (87) International Publication No :WO 2012/062206  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

## (71)Name of Applicant :

**1)HUAWEI TECHNOLOGIES CO., LTD.**

Address of Applicant :Huawei Administration Building,  
 Bantian, Longgang District, Shenzhen, Guangdong 518129,  
 P.R.CHINA

## (72)Name of Inventor :

**1)ZHOU, Yongxing**

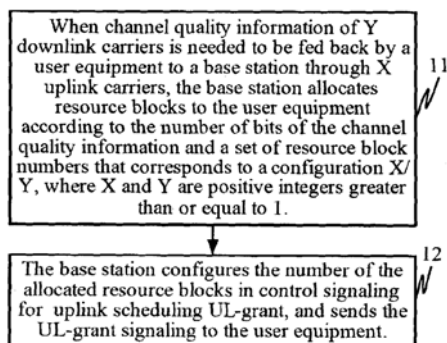
**2)LIU, Kunpeng**

**3)SUN, Weijun**

**4)HOU, Yunzhe**

## (57) Abstract :

The embodiment of the invention relates to a transmission method, base station and user equipment for channel quality information. The transmission method for channel quality information comprises: when a user equipment needs to feedback channel quality information corresponding to Y-number of downlink carriers through X-number of uplink carriers to the base station, the base station allocates resource blocks for the user equipment according to a set of channel quality information bit and X/Y ratio corresponding to a resource block count, wherein X and Y are positive integers greater than or equal to 1 (11); the base station configures the allocated resource block count into a uplink scheduling control signal UL-grant, and sends the signal to the user equipment(12). Thus, the base station is able to allocate resource blocks for user equipment according to the channel quality information bits and resource block count set, thereby adaptively allocating the uplink scheduling bandwidth, avoiding the problem of user equipment only being able to transmit channel quality information under fixed bandwidth resource and the defect of being unable to satisfy transmission performance.



No. of Pages : 51 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.978/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/04/2013

(43) Publication Date : 06/09/2013

(54) Title of the invention : NI-FE-CR-MO ALLOY

(51) International classification :B23K35/02,B23K35/30,B32B15/01  
(31) Priority Document No :10 2010 049 781.9  
(32) Priority Date :29/10/2010  
(33) Name of priority country:Germany  
(86) International Application No:PCT/DE2011/001875  
Filing Date :20/10/2011  
(87) International Publication No :WO 2012/059080  
(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)OUTOKUMPU VDM GMBH**  
Address of Applicant :Plettenberger Strasse 2, 58791 Werdohl, GERMANY  
(72)Name of Inventor :  
**1)ALVES, Helena,**  
**2)BEHRENS, Rainer,**

(57) Abstract :

The invention relates to an alloy comprising (in mass %) Ni 33-35%, Cr 26-28%, Mo 6-7%, Cu 0.5-1.5%, Mn 1.0-4%, Si max. 0.1%, Al 0.01-0.3%, C max. 0.01%, N 0.1-0.25%, B 0.001-0.004 %, SE > 0 to 1%, and Fe remainder, including unavoidable impurities.

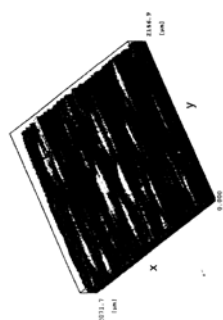
No. of Pages : 22 No. of Claims : 20

(54) Title of the invention : LITHO STRIP FOR ELECTROCHEMICAL ROUGHENING AND METHOD FOR ITS MANUFACTURE

(51) International classification	:B41N1/08,B41N3/03	(71)Name of Applicant :
(31) Priority Document No	:10188553.1	<b>1)HYDRO ALUMINIUM ROLLED PRODUCTS GMBH</b>
(32) Priority Date	:22/10/2010	Address of Applicant :Aluminiumstraße 1, 41515
(33) Name of priority country	:EPO	Grevenbroich, GERMANY
(86) International Application No	:PCT/EP2011/067896	(72)Name of Inventor :
Filing Date	:13/10/2011	<b>1)Bernhard KERNIG</b>
(87) International Publication No	:WO 2012/052353	<b>2)Christoph SETTELE</b>
(61) Patent of Addition to Application Number	:NA	<b>3)Olaf GÜGEN</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

The invention relates to a litho sheet for electrochemical roughening, consisting of a rolled aluminium alloy, wherein the sheet surface has a topography with a maximum peak height  $R_p$  or  $S_p$  of not more than  $1.4\text{ }\mu\text{m}$ , preferably not more than  $1.2\text{ }\mu\text{m}$ , in particular not more than  $1.0\text{ }\mu\text{m}$ . The invention also relates to a method which is intended for producing a litho sheet and in the case of which a litho sheet consisting of an aluminium alloy is cold-rolled and in the case of which the litho sheet, following the final cold-rolling pass, is subjected to a degreasing treatment with a pickling step using an aqueous pickling medium, wherein the aqueous pickling medium contains at least 1.5 to 3% by weight of a mixture of 5-40% sodium tripolyphosphate, 3-10% sodium gluconate, 3-8% non-ionic and anionic surfactants and, optionally, 0.5-70% soda, wherein the concentration of sodium hydroxide in the aqueous pickling medium is between 0.1 and 5% by weight and the surface area removed by the degreasing treatment with simultaneous pickling step is at least  $0.25\text{ g/m}^2$ .



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

## **AMENDMENT PROCEEDINGS UNDER SECTION 57**

The amendments proposed by JFE STEEL CORPORATION,TOKYO,JAPAN in respect of Patent No.252236 (2708/KOLNP/2007) as advertised in the Patent Office Journal dated 03/05/2013 has no opposition within the stipulated period. The said amendments have been allowed.

## **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	257067	3728/DELNP/2005	24/04/2003	24/04/2002	A DISPOSABLE ABSORBENT ARTICLE WITH UNITARY ABSORBENT STRUCTURE	THE PROCTER & GAMBLE COMPANY	10/08/2007	DELHI
2	257068	1181/DEL/2007	01/06/2007 19:54:25		PROCESS FOR MANUFACTURE OF SPRAY DRIED CHEDDAR FLAVOUR BASE/CONCENTRATE	INDIAN COUNCIL OF AGRICULTURAL RESEARCH (ICAR)	16/01/2009	DELHI
3	257072	4157/DELNP/2006	10/02/2005	13/02/2004	WATER TREATMENT CARTRIDGE SHUTOFF	PUR WATER PURIFICATION PRODUCTS, INC.	13/07/2007	DELHI
4	257079	2480/DEL/2005	14/09/2005	21/09/2004	GEARING MECHANISM	IMS GEAR GmbH	02/10/2009	DELHI
5	257080	638/DELNP/2007	21/06/2006	22/06/2005	DISPOSABLE ABSORBENT ARTICLE HAVING DUAL LAYER BARRIER CUFF STRIPS	THE PROCTER & GAMBLE COMPANY	03/08/2007	DELHI
6	257081	738/DELNP/2004	08/10/2002	19/10/2001	A METHOD IN A RECEIVER UNIT FOR USE IN DATA UNIT TRANSMISSIONS BETWEEN A TRANSMITTER AND A RECEIVER	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	21/07/2006	DELHI
7	257092	1537/DEL/2004	19/08/2004	22/08/2003	METHOD AND APPARATUS FOR SELECTING A BASE STATION TRANSCEIVER SYSTEM BASED ON SERVICE COMMUNICATION TYPE	RESEARCH IN MOTION LIMITED	14/07/2006	DELHI
8	257094	4209/DELNP/2007	06/01/2006	07/01/2005	A METHOD FOR PROVIDING LOW-LATENCY SECURE COMMUNICATION	ALCATEL LUCENT	31/08/2007	DELHI
9	257095	632/DEL/2006	10/03/2006	30/03/2005	METHOD FOR INCREASING EXPRESSION OF AT LEAST TWO STRESS DEFENSE GENES IN A PLANT	TOYO BOSEKI KABUSHIKI KAISHA.	10/08/2007	DELHI
10	257098	4084/DELNP/2004	26/06/2002	26/06/2002	COMPOSITIONS AGAINST INFLAMMATORY PROCESSES	NESTEC S.A.	04/12/2009	DELHI

11	257099	3170/DELNP/2008	16/10/2006	17/10/2005	BIOCIDAL POLYMERS	KE KELIT KUNSTSTOFFWERK GESMBH	08/08/2008	DELHI
12	257100	5938/DELNP/2007	28/12/2005	31/12/2004	CONTROLLED RELEASE COMPLEX FORMULATION FOR ORAL ADMINISTRATION OF MEDICINE FOR DIABETES AND METHOD FOR THE PREPARATION THEREOF	HANMI PHARM.CO.,LTD	17/08/2007	DELHI
13	257104	1236/DEL/1996	06/06/1996	07/06/1995	A VACCINE FOR A DOMESTICATED BIRD AGAINST COCCIDIOSIS	PFIZER INC.	04/03/2005	DELHI
14	257105	1050/DEL/2002	21/10/2002	01/11/2001	SUPERCONDUCTING SYNCHRONOUS ELECTROMAGNETIC MACHINE AND METHOD FOR COOLING SAID MACHINE WITH TAPERED ROTOR-STATOR AIR GAP	GENERAL ELECTRIC COMPANY	28/01/2005	DELHI
15	257112	7209/DELNP/2006	03/06/2005	11/06/2004	A DATA PROCESSING APPARATUS	SONY CORPORATION ,SONY COMPUTER ENTERTAINMENT INC.	24/08/2007	DELHI
16	257114	3906/DELNP/2007	28/11/2005	23/12/2004	METHOD AND DEVICE FOR CONTROLLING A CAPACITIVE LOAD	CONTINENTAL AUTOMOTIVE GMBH	31/08/2007	DELHI
17	257123	1634/DEL/2008	08/07/2008 15:58:06		SELECTIVE HYDROGENATION PROCESS USING LAYERED CATALYST COMPOSITION AND PREPARATION OF SAID CATALYST	UOP LLC	23/04/2010	DELHI
18	257126	5375/DELNP/2007	26/01/2006	26/01/2005	PRODUCTION AND USE OF AN ANTIOXIDANT EXTRACT FROM CRYPTHOCODINIUM SP.	NUTRINOVA NUTRITION SPECIALTIES & FOOD INGREDIENTS GMBH	17/08/2007	DELHI
19	257128	2517/DEL/2006	22/11/2006	14/12/2005	A SYSTEM FOR AN INFORMATION HANDLING SYSTEM PROCESSING COMPONENT	DELL PRODUCTS L.P.	31/08/2007	DELHI
20	257135	1215/DELNP/2004	01/11/2002	01/11/2001	HIGH SPEED NON- CONCURRENCY CONTROLLED DATABASE	VERISIGN, INC.	22/12/2006	DELHI
21	257136	8066/DELNP/2007	28/03/2006	29/03/2005	BEVERAGES AND FOODSTUFFS RESISTANT TO LIGHT INDUCED FLAVOUR CHANGES, PROCESSES FOR MAKING THE SAME, AND COMPOSITIONS FOR IMPARTING SUCH RESISTANCE	HEINEKEN SUPPLY CHAIN B.V	30/11/2007	DELHI

22	257137	8013/DELNP/2006	30/06/2005	02/07/2004	AN ELECTRODE METHOD OF A FABRICATING ELECTRODE AND A FLUID FLOW SENSOR HAVING ELECTRODE THEREOF	SENTEC LTD	27/04/2007	DELHI
23	257138	1451/DELNP/2006	22/10/2004	23/10/2003	A FLOATING POWER GENERATION ASSEMBLY	OCEAN WIND TECHNOLOGY, LLC	03/08/2007	DELHI
24	257140	5951/DELNP/2006	23/03/2005	23/03/2004	AN ABSORBENT ARTICLE	THE PROCTER & GAMBLE COMPANY	13/07/2007	DELHI
25	257141	6028/DELNP/2006	31/03/2004	31/03/2004	A METHOD ,SYSTEM, APPARATUS AND A NODE FOR AVOIDING UNNECESSARY RETRANSMISSIONS IN A PACKET-BASED RADIO COMMUNICATION SYSTEM	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	27/04/2007	DELHI
26	257142	4266/DELNP/2007	16/12/2005	14/02/2005	A METHOD OF FACILITATING ACCESS BY A USER TERMINAL TO BROADCAST AND/OR MULICAST DATA	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	10/08/2007	DELHI
27	257143	7276/DELNP/2006	04/08/2004	03/05/2004	SYSTEM AND METHOD FOR FACILITATING COMMUNIATIONS BETWEEN TWO PARTIES	CHIKKA PTE LTD	27/04/2007	DELHI

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Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	257071	1322/MUM/2008	24/06/2008		A PROCESS FOR THE PREPARATION OF XANTHOPHYLL COMPOSITION CONTAINING ESSENTIAL MACULAR PIGMENTS	OMNIACTIVE HEALTH TECHNOLOGIES LTD.	01/01/2010	MUMBAI
2	257073	2532/MUMNP/2008	18/05/2007	19/05/2006	A COMPOSITION FOR INACTIVATING AN ENVELOPED VIRUS	VIROBLOCK SA	06/03/2009	MUMBAI
3	257075	2143/MUM/2007	29/10/2007		A METHOD OF PREPARING A DEHYDRATED CONVENIENCE DISH	SATYANARAYAN SEKHSARIA PVT. LTD.	22/05/2009	MUMBAI
4	257078	685/MUMNP/2008	16/07/2004	22/07/2003	AN ORTHODONTIC DEVICE	AUGUSTA DEVELOPMENTS INC.	09/05/2008	MUMBAI
5	257083	341/MUM/2008	15/02/2008		PROCESS FOR PREPARATION OF CLOPIDOGREL HYDROGEN SULPHATE	IPCA LABORATORIES LIMITED	09/10/2009	MUMBAI
6	257084	539/MUM/2007	23/03/2007		PROCESS FOR PREPARATION OF HYDROXAMIC ACID FLOTATION COLLECTOR AND USES THEREOF	TATA CONSULTANCY SERVICES LIMITED	28/11/2008	MUMBAI
7	257085	2117/MUM/2007	25/10/2007	09/11/2006	METHOD FOR OPERATING A WINDING HEAD OF A TEXTILE MACHINE PRODUCING CROSS-WOUND BOBBINS	OERLIKON TEXTILE GMBH & CO. KG	05/06/2009	MUMBAI
8	257086	1177/MUM/2003	10/11/2003	10/12/2002	ARRANGEMENT STRUCTURE OF AN AIR CLEANER FOR A SCOOTER TYPE VEHICLE	HONDA MOTOR CO. LTD	09/09/2005	MUMBAI
9	257097	1719/MUM/2006	17/10/2006 15:55:30		AN IMPROVED PROCESS FOR PREPARATION OF PURE ANASTROZOLE	CIPLA LIMITED	18/07/2008	MUMBAI
10	257111	1392/MUM/2008	03/07/2008	01/09/1900	A LYOCCELL THERMOREGULATORY FIBER AND A METHOD OF MAKING THEREOF	ADITYA BIRLA SCIENCE & TECHNOLOGY CO. LTD.	19/06/2009	MUMBAI



11	257113	1396/MUM/2008	03/07/2008		A LYOCELL PERFUMED FIBER AND A METHOD OF MAKING THEREOF	ADITYA BIRLA SCIENCE & TECHNOLOGY CO. LTD.	19/06/2009	MUMBAI
12	257118	1856/MUMNP/2008	13/02/2007	07/03/2006	PERSONAL CARE COMPOSITIONS CONTAINING QUATERNARY AMMONIUM TRIHYDROXY SUBSTITUTED DIPROPYL ETHER	HINDUSTAN UNILEVER LIMITED	13/02/2009	MUMBAI
13	257124	1403/MUMNP/2008	05/01/2007	06/01/2006	A SELF-STABLE BEVERAGE COMPOSITION	PEPSICO, INC.	17/10/2008	MUMBAI
14	257129	1704/MUMNP/2009	06/03/2008	14/03/2007	AERATED PRODUCT	HINDUSTAN UNILEVER LIMITED	06/05/2011	MUMBAI
15	257131	1367/MUMNP/2008	08/12/2006	13/12/2005	BINDING PROTEIN SPECIFIC FOR INSULIN-LIKE GROWTH FACTORS	ASTRAZENECA AB	17/10/2008	MUMBAI

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Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	257069	3919/CHENP/2008	25/01/2007	27/01/2006	PROCESS FOR RECOVERING (CHLOR)HYDROCARBON-FREE HYDROGEN CHLORIDE AND PHOSGENE-FREE (CHLORO)HYDROCARBONS FROM A HYDROGEN CHLORIDE STREAM COMPRISING (CHLORO) HYDROCARBONS AND PHOSGENE	BASF SE	13/03/2009	CHENNAI
2	257076	IN/PCT/2002/313/CHE	08/09/2000	08/09/1999	METHOD FOR REDUCING PHYTOTOXICITY TO CROPS	BAYER CROPSCIENCE LIMITED	04/03/2005	CHENNAI
3	257077	227/CHENP/2007	09/07/2005	19/07/2004	A PROCESS FOR PRODUCTION OF GAS DIFFUSION ELECTRODE AND THE ELECTRODE PRODUCED THEREBY	THYSSENKRUPP UHDE GMBH,GASKATEL GESELLSCHAFT FUR GASSYSTEME DURCH KATALYSE UND ELEKTROCHEMIE MBH	24/08/2007	CHENNAI
4	257088	2339/CHENP/2006	24/11/2004	25/11/2003	A PROCESS OF MAKING A LIQUID-COATED RAPIDLY SOLIDIFIED RARE EARTH-TRANSITION METAL-BORON MAGNET MATERIAL AND THE MAGNET MATERIAL PRODUCED THEREBY	MAGNEQUENCH INC.	06/07/2007	CHENNAI
5	257089	2708/CHENP/2004	27/05/2003	31/05/2002	ENDLESS ROPE	DSM IP ASSETS B.V	10/02/2006	CHENNAI
6	257090	2482/CHENP/2007	10/11/2005	09/12/2004	SECURITY ELEMENT HAVING A VIEWING-ANGLE DEPENDENT ASPECT	SICPA HOLDING S.A.	07/09/2007	CHENNAI
7	257091	4471/CHENP/2008	21/07/2006	26/01/2006	APPARATUS FOR MELT SPINNING AND WINDING UP SYNTHETIC YARNS	Oerlikon Textile GmbH & Co. KG	13/03/2009	CHENNAI
8	257093	794/CHE/2005	24/06/2005		DEVICE FOR MAKING PROFILED AGARBATHIES	MURTHY ARJUN RANGA	27/07/2007	CHENNAI

9	257096	3696/CHENP/2006	01/04/2005	06/04/2004	PROCESS FOR DYEING	CLARIANT FINANCE (BVI) LIMITED	06/07/2007	CHENNAI
10	257102	3707/CHENP/2006	30/03/2005	07/04/2004	A METHOD FOR AVOIDING DATA INCONSISTENCY IN A DATA PROCESSING SYSTEM	ROBERT BOSCH GmbH	15/06/2007	CHENNAI
11	257107	869/CHENP/2007	27/07/2005	29/07/2004	A METHOD FOR MANUFACTURING SPUNBONDED OR CARDED NONWOVEN AND NONWOVEN THUS OBTAINED	AHLSTROM CORPORATION	24/08/2007	CHENNAI
12	257108	4745/CHENP/2007	18/04/2006	18/04/2005	A METHOD FOR REGISTERING A MULTISLOT CLASS FOR A MOBILE DEVICE IN A WIRELESS NETWORK	SIERRA WIRELESS, INC.	21/03/2008	CHENNAI
13	257109	3088/CHENP/2007	08/12/2005	14/12/2004	A CARDING DEVICE COMPRISING A DISCARD UNIT FOR THE SEPERATE CAPTURE OF SEPERATED MATERIAL	MASCHINENFABRIK RIETER AG	27/06/2008	CHENNAI
14	257110	4041/CHENP/2006	25/03/2005	05/04/2004	MULTI-CHANNEL ENCODER	KONINKLIJKE PHILIPS ELECTRONICS N.V.	15/06/2007	CHENNAI
15	257115	4407/CHENP/2007	06/03/2006	07/03/2005	METHOD OF MAKING A NEEDLE SHIELDING DEVICE	ERSKINE MEDICAL LLC	25/01/2008	CHENNAI
16	257116	3770/CHENP/2007	27/01/2006	28/01/2005	ANTI A BETA ANTIBODY FORMULATION	WYETH LLC,JANSSEN ALZHEIMER IMMUNOTHERAPY	23/11/2007	CHENNAI
17	257119	3369/CHENP/2008	29/11/2006	30/11/2005	SURFACE MODIFIED BI-COMPONENT POLYMERIC FIBER	DOW GLOBAL TECHNOLOGIES LLC	06/03/2009	CHENNAI
18	257121	1099/CHENP/2008	24/08/2006	24/08/2005	METHOD AND APPARATUS FOR CLASSIFYING USER MORPHOLOGY FOR EFFICIENT USE OF CELL PHONE SYSTEM RESOURCES	QUALCOMM INCORPORATED	12/09/2008	CHENNAI
19	257122	3339/CHENP/2006	07/03/2005	15/03/2004	A METHOD OF INTERACTIVELY VISUALIZING A THREE DIMENSIONAL DATA AND A DATA PROCESSING DEVICE	KONINKLIJKE PHILIPS ELECTRONICS N.V.	22/06/2007	CHENNAI
20	257127	1110/CHE/2005	11/08/2005		AN IMPROVED PROCESS FOR THE PREPARATION OF DESLORATADINE	ORCHID CHEMICALS AND PHARAMACEUTICALS LTD	15/09/2006	CHENNAI
21	257130	3478/CHENP/2006	24/02/2005	24/02/2004	CELL/TISSUE CULTURING SYSTEM AND METHOD	PROTALIX LTD.	15/06/2007	CHENNAI

22	257132	1798/CHENP/2008	06/09/2006	12/09/2005	IDENTIFICATION OF TUMOR-ASSOCIATED ANTIGENS FOR DIAGNOSIS AND THERAPY	GANYMED PHARMACEUTICALS AG,JOHANNES GUTENBERG- UNIVERSITAT MAINZ, VERTRETEN DURCH DEN PRASIDENTEN	26/12/2008	CHENNAI
23	257134	488/CHE/2007	09/03/2007		PYRIMIDINE COMPOUNDS	Orchid Research Laboratories Ltd	28/11/2008	CHENNAI
24	257139	1953/CHENP/2007	07/11/2005	08/11/2004	DNA MOLECULE COMPRISING A MULTICISTRONIC TRANSCRIPTION UNIT	CHROMAGENICS B.V.	31/08/2007	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	184271	728/CAL/1994	09/09/1994		A CEILING FAN	ORIENT GENERAL INDUSTRIES LIMITED		KOLKATA
2	257066	2063/KOLNP/2008	15/09/2006	16/11/2005	A METHOD FOR PREPARING CEFAZOLIN SODIUM PENTAHYDRATE CRYSTAL	TIANJIN UNIVERSITY, SHENZHEN GOSUN PHARMACEUTICAL CO., LTD.	16/01/2009	KOLKATA
3	257070	1518/KOLNP/2007	28/09/2005	13/10/2004	METHOD OF PRODUCING SILYLALKOXYMETHYL HALIDE.	DOW CORNING TORAY CO., LTD.	27/07/2007	KOLKATA
4	257074	177/KOL/2004	12/04/2004	28/12/1998	PIGMENT DISPERSANTS PIGMENT DISPERSIONS, AND WRITING OR RECORDING PIGMENT INKS	DAINICHISEIKA COLOR & CHEMICALS MFG. CO. LTD.	01/09/2006	KOLKATA
5	257082	1463/KOLNP/2004	17/03/2003	15/04/2002	A METHOD FOR SELECTING A POLYMERIC INSERT INTENDED TO BE CHOSEN FOR ITS MECHANICAL STRENGTH QUALITIES	SAINT-GOBAIN GLASS FRANCE	11/08/2006	KOLKATA
6	257087	2541/KOLNP/2007	21/12/2005	23/12/2004	MODIFIED AMINE-ALDEHYDE RESINS AND USES THEREOF IN SEPARATION PROCESSES	GEORGIA-PACIFIC CHEMICALS LLC.	24/08/2007	KOLKATA
7	257101	4137/KOLNP/2007	26/04/2006	29/04/2005	VACUUM VESSEL FOR TREATMENT OF OILS	ALFA LAVAL CORPORATE AB	02/01/2009	KOLKATA
8	257103	3426/KOLNP/2006	09/05/2005	02/06/2004	MULTIFUNCTION KEY ASSEMBLY	HECHT GIL	15/06/2007	KOLKATA
9	257106	1789/KOLNP/2007	03/11/2005	05/11/2004	NOVEL COMPOUNDS (4-HYDROXYBENZOMORPHANS) AS ANALGESICS, ANTIPRURITICS, ANTIDIRRHREAL AGENTS	RENSSELAER POLYTECHNIC INSTITUTE	10/08/2007	KOLKATA

10	257117	81/KOLNP/2009	18/07/2007	19/07/2006	PROCESS FOR PRODUCING SPHERICAL BASE GRANULE COMPRISING EASILY WATER-SOLUBLE DRUG	ASAHI KASEI CHEMICALS CORPORATION	03/04/2009	KOLKATA
11	257120	282/KOL/2007	26/02/2007		AN IMPROVED ARC WELDING METHOD FOR HIGHER DEPOSITION RATE IMPLEMENTING A NON-CONSUMABLE ELECTRODE AND AN ELECTRICALLY CONNECTED FILLER WIRE PROTECTED BY SHIELDING GAS	BHARAT HEAVY ELECTRICALS LIMITED	05/09/2008	KOLKATA
12	257125	2988/KOLNP/2007	02/02/2006	03/02/2005	PYRROLOPYRIMIDINES USEFUL AS INHIBITORS OF PROTEIN KINASE	VERTEX PHARMACEUTICALS INCORPORATED	14/09/2007	KOLKATA

***CONTINUED TO PART- 2***