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का
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पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

INTRODUCTION

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

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

7TH JUNE, 2013

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**THE PATENT OFFICE
KOLKATA, 07/06/2013**

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>1 Office of the Controller General of Patents, Designs & Trade Marks, Boudhik Sampada Bhavan, Near Antop Hill Post Office, S.M. Road, Antop Hill, Mumbai - 400 037</p> <p>Phone: (91)(22) 24123311, Fax : (91)(22) 24123322 E-mail: cgpdtm@nic.in</p>	<p>4 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: chennai-patent@nic.in</p> <p>❖ The States of Andhra Pradesh, Karnataka, Kerala, Tamil Nadu and the Union Territories of Puducherry and Lakshadweep.</p>
<p>2 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: mumbai-patent@nic.in</p> <p>❖ The States of Gujarat, Maharashtra, Madhya Pradesh, Goa and Chhattisgarh and the Union Territories of Daman and Diu & Dadra and Nagar Haveli</p>	<p>5 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: kolkata-patent@nic.in</p>
<p>3 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 & 2808 1940 E-mail: delhi-patent@nic.in</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
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 07/06/2013
कार्यालयों के क्षेत्राधिकार के पते

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

<p>1</p> <p>कार्यालय: महानियंत्रक, एकस्व, अभिकल्प तथा व्यापार चिह्न, एनटॉप हिल डाकघर के समीप, एस. एम. रोड, एनटॉप हिल, मुम्बई -400 037, भारत. फोन: (91)(22) 24123311 फैक्स: (91)(22) 24123322 ई.मेल: cgpdtm@nic.in</p>	<p>4</p> <p>पेटेंट कार्यालय चेन्नई, इंटेलेक्चुअल प्रोपर्टी राइट्स बिल्डिंग इंडस्ट्रियल इस्टेट एसआईडीसीओ आरएमडी गोडाउन एरिया एडजसेन्ट टु ईगल फ्लास्क जी.एस.टी. रोड, गायन्डी, चेन्नई - 600 032. फोन: (91)(44) 2250 2081-84 फैक्स: (91)(44) 2250-2066 ई.मेल: chennai-patent@nic.in ❖ आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु तथा पुडुचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र, लक्षद्वीप</p>
<p>2</p> <p>पेटेंट कार्यालय, भारत सरकार बौद्धिक संपदा भवन, एनटॉप हिल डाकघर के समीप, एस. एम. रोड, एनटॉप हिल, मुम्बई - 400 037, फोन: (91)(22) 2413 7701, फैक्स: (91)(22) 2413 0387 ई.मेल: mumbai-patent@nic.in ❖ गुजरात, महाराष्ट्र, मध्य प्रदेश, गोआ तथा छत्तीसगढ़ राज्य क्षेत्र एवं संघ शासित क्षेत्र, दमन तथा दीव, दादर और नगर हवेली.</p>	<p>5</p> <p>पेटेंट कार्यालय कोलकाता (प्रधान कार्यालय), बौद्धिक संपदा भवन, सीपी-2, सेक्टर-V, साल्ट लेक सिटी, कोलकाता- 700 091, भारत. फोन: (91)(33) 2367 1943/44/45/46/87 फैक्स/Fax: (91)(33) 2367 1988 ई.मेल: kolkata-patent@nic.in ❖ भारत का अवशेष क्षेत्र</p>
<p>3</p> <p>पेटेंट कार्यालय दिल्ली, बौद्धिक संपदा भवन, प्लॉट सं. 32, सेक्टर - 14, द्वारका, नई दिल्ली - 110 075. फोन: (91)(11) 2808 1921-25 फैक्स: (91)(11) 2808 1920, 2808 1940 ई.मेल: delhi-patent@nic.in ❖ हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान, उत्तर प्रदेश, दिल्ली तथा उत्तरांचल राज्य क्षेत्रों, एवं संघ शासित क्षेत्र चंडीगढ़</p>	

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

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 18th months , grant of patents & all other information in respect of the proceedings as required under the provisions of the Patents (Amendment) Act, 2005 and Rules thereunder on weekly basis on every **Friday**.

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

SPECIAL NOTICE

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

Early Publication:

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1033/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :07/04/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : Intelligent Ball Screw with Improved Ball Nut

(51) International classification	:F16H 25/24	(71) Name of Applicant : 1)Markandey Vishwakarma Address of Applicant :C-1/ 77, FIRST FLOOR, PLATINUM INDEPENDENT FLOOR, ARDEE CITY, SECTOR-52, GURGAON, HARYANA India
(31) Priority Document No	:NA	(72) Name of Inventor : 1)Markandey Vishwakarma
(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	

(57) Abstract :

A ball screw consists of a ball nut & a screw shaft. At present, ball nut is a single unit. Now the Ball Nut will be made in four parts i) Nut housing ii) Nut element iii) Nut Cap iv) Spacers The nut element has a through slit along the root of ball track. When axial clearance is generated, each spacer is ground by the amount equals to half of axial clearance. Then spacers are fitted back & nut caps are tightened. The nut caps exert force on nut element & compress it. As a result, the cumulative slit width of nut element reduced & nut ball track exerts force on balls & balls are pushed forward towards the screw shaft where balls again loaded with the screw shaft. Finally the axial clearance is compensated with required preloading. Approximately 4 5 such adjustment is possible without regrinding of screw shaft & ball nut tracks. Through this process, the ball screw life will be increased from 20000 hours to 50000 60000 hours.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1104/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :12/04/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : Sleeping berth that can accommodate a family of 3 passengers (at least 2 adults)

(51) International classification	:B61D 31/00	(71)Name of Applicant : 1)Ashok Kumar Nayak
(31) Priority Document No	:NA	Address of Applicant :F2/115, Charmwood Village, Surajkund
(32) Priority Date	:NA	Road, Faridabad, Haryana India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:PCT// /	1)Ashok Kumar Nayak
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	

(57) Abstract :

Sleeping berth that can accommodate a family of 3 passengers (at least 2 adults). The invention is about making of a bigger berth by way of joining of two existing sleeping berths or extending the lower/ middle/ upper sleeping berth or thru means of adding a folding bed to the existing berth at night time to make room for at least 2 adults or 2 adults + one child in the modified outcome. This above is done without changing the current configuration of day time seating and night time single berth layout or modification of coach layout. The intent is to make space for the 2 to 3 member family to travel similar to home condition (like a double bed used at home). It also covers the coupe class enclosures where an added folding bed is attached (in day time itTMs folded up to the wall) to the lower berth to make space for at least 2 adults or more passengers to sleep. This invention is the advancement of single berth journey and providing a Family Berth for the whole family of 3 members. ItTMs a Home away from home• even in travel.

No. of Pages : 26 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1138/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/04/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : STORAGE DEVICE

(51) International classification

:h04n

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)Phonelab Technologies Limited

Address of Applicant :Plot 33, Imo crescent off Moshood
Abiola Way, Area 1 section 1 Garki District, Federal Capital
Territory, Abuja- Nigeria.

(72)Name of Inventor :

1)AYODEJI, Adebayo Michael

2)DAVOU, Gyang Paul

3)FOM, Mac-Emmanuel B. J

(57) Abstract :

The present invention discloses a storage device for copying, transferring and restoring data from a communication device and vice versa, wherein the storage device is configured to be positioned within SIM card slot of the communication device, and wherein the storage device does not have RF capability for network access. Storage device can further include a memory unit comprising a set of programmed instructions, which when executed perform functions relating to copy, transfer, restore, and management functions of the storage device.

No. of Pages : 33 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1243/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :26/04/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : A CLEANSING BAR COMPOSITION AND A PROCESS OF PREPARING THE SAME

(51) International classification	:c07c
(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)RSPL Health Pvt. Ltd.
Address of Applicant :109/366, R. K. Nagar, G. T. Road,
Kanpur- 208 012, Uttar Pradesh India
(72)Name of Inventor :
1)Ritesh Kumar Sinha
2)Rohit Gyanchandani

(57) Abstract :

A cleansing bar composition and a process of preparing the same• A cleansing bar composition, which comprises 99.75% by wt of cleansing base composition and 1-25% by wt of colored materials, uniformly distributed throughout the cleansing bar. The colored material is added in the form of needles, noodles, beads, speckles or spheres, or a combination thereof. The ratio of the colored materialTMs length/diameter ranges from 0.1:1 to 10:1. The disclosure also provides a method of preparing the cleansing bar composition.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1098/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :10/04/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : CONTROLLED RELEASE GABAPENTIN COMPOSITION AND PROCESS OF PREPARATION THEREOF

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Modi-Mundipharma Pvt. Ltd.
(32) Priority Date	:NA	Address of Applicant :1400 Modi Tower 98 Nehru Place
(33) Name of priority country	:NA	New Delhi - 110019 India.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)KHATTAR Rakesh
(87) International Publication No	: NA	2)AGRAWAL Rajesh
(61) Patent of Addition to Application Number	:NA	3)GUPTA Vishal
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a controlled release gabapentin pharmaceutical composition and process of preparing the same. The composition includes gabapentin and pharmaceutically acceptable salts or hydrate thereof; 1:0.05 to 1:1 by weight of heat sealable and moisture protective agent; rate controlling polymer; 1:0.05 to 1:1 by weight of at least one alkalizing agent; 1:0.02 to 1:1 by weight of at least one weak amino acid; and conventional excipients.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1445/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : SPONGY DESSERT-A HERBAL BIOTECH RASSOGOLLA

(51) International classification	:a23l
(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)PANKAJ GARG

Address of Applicant :Jayoti Vidyapeeth Women's University,
Jharna, Mahla Jobner Link Road, Jaipur Ajmer Expressway, NH-
8, Jaipur, Rajasthan India

(72)Name of Inventor :

1)Dr. Pankaj Garg

2)Dr. Pramod Kumar Raghav

3)Dr. Nakuleshwar Dut Jasuja

4)Dr. Rakesh Kumar Sharma

5)Dr. Richa Sharma

(57) Abstract :

The present invention relates to the Spongy Dessert• developed by incorporating themucilage• powder extracted from the seeds of Plantago ovata into the Chhena (milk solid) prepared from the fat free cow milk. Mucilage, an exopolysaccharide is a soluble fiber has the capacity to absorb plenty of fluids, provides relief from constipation and acts as a swelling agent when consumed. Mucilaginous Spongy Dessert absorbs plenty of fluids results in increased bulk and presses this bulk against the walls of intestine causing contraction. Contraction of the intestinal muscles leads defecation of fecal materials therefore; this product is great stool softener and results in regular bowl movement. Moreover, the Spongy Dessert is anticholesteremic prevents the intestinal absorption of cholesterol produced during the digestion of food. It acts as anti decompositive means during regulating the peristalsis fiber helps to prevent the decompositions produced by the action of intestinal microbial flora. The Spongy Dessert is stomachic because it has the ability to protect internal mucous membranes so it can be used for the relief from irritations of the digestive system (gastritis, heartburn and indigestion).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1244/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :26/04/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : A CLEANSING BAR

(51) International classification :c07c

(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)RSPL Health Pvt. Ltd.

Address of Applicant :109/366, R. K. Nagar, G. T. Road,
Kanpur- 208 012, U.P., India

(72)Name of Inventor :

1)Ritesh Kumar Sinha

2)Rohit Gyanchandani

(57) Abstract :

A cleansing bar coated at least on one side with a water resistant film. The water resistant film comprises nitrocellulose based lacquer with a viscosity modifying agent. The disclosure also provides a process of applying the water resistant coating.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.793/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :19/03/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : Utility Bill Payment using Interactive PDF

(51) International classification	:g06q
(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)Aashish Kohli

Address of Applicant :40/220, First Floor, Pocket 40,
Chittaranjan Park Delhi India

(72)**Name of Inventor :**

1)Aashish Kohli

(57) Abstract :

A new technology that will enable the customers to pay their utility bill from inside the PDF is disclosed. This technology makes use of interactive PDF along with Stripe.js which is of type Node.js server side javascript and is used to authorize the credit card payment. By using this technology framework customers will now be able to quickly pay their utility bills from inside the PDF thereby saving on time and money.

No. of Pages : 7 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.809/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :19/03/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : ANTI-SLIP FLOOR TILES WITH SLIP RESISTANT COATING

(51) International classification	:e04f15/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Shreekant Somany
(32) Priority Date	:NA	Address of Applicant :Somany Ceramics Limited, Kassar,
(33) Name of priority country	:NA	Haryana 124507 India.
(86) International Application No	:PCT//	(72)Name of Inventor :
Filing Date	:01/01/1900	1)Shreekant Somany
(87) 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 subject matter relates to anti-slip floor tiles and more particular to a composition of a coating of an anti slip composition on the ceramic tiles for the purpose of producing highly efficient tiles in terms of friction on tiles. The anti slip composition, coated on the ceramic tiles, includes calcined alumina A, calcined alumina B, tabular alumina, reactive alumina, quartz, precipitated silica, feldspar, and zirconium silicate. In an embodiment of the present subject matter, the anti slip composition includes calcined alumina A, calcined alumina B, reactive alumina, quartz, feldspar, and zirconium silicate, in which the percentage weight of calcined alumina A, calcined alumina B, reactive alumina, quartz, feldspar, and zirconium silicate are in the range of 1% to 4%, 1% to 4%, 2% to 5%, 4% to 8%, 0% to 2%, and 0% to 2% respectively. In another embodiment of the present subject matter, the anti slip composition includes tabular alumina, reactive alumina, quartz, and precipitated silica in which the percentage weight of tabular alumina, reactive alumina, quartz, precipitated silica, feldspar, and zirconium Silicate are in the range of 0% to 3%, 5% to 8%, 2% to 6%, 2% to 4%, 0% to 1%, and 0% to 1% respectively. The anti-slip floor tiles facilitate high durability, uniform performance, and high slip resistance coefficients.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1062/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :13/03/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : COMBAINED HOE BLADES

(51) International classification

:A01B

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) 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)THANGARAJU

Address of Applicant :23/24, VATHUKARA STREET,

THOTTIYAM (PO) & (TK), TRICHY DISTRICT, PIN - 621 215

Tamil Nadu India

(72)Name of Inventor :

1)THANGARAJU

(57) Abstract :

A Combined hoe blades set is useful for removing weeds. In agriculture, weeding is an important and unavoidable problem. This invention will remove weeds in early stage at the right time at low cost. So the crops will observe all the nutrients given without loss. That is, this invention will decrease the cost of production. Moreover crops without weeds may not be affected by many insects because many insects breed only in grown up weeds.

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

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : AN OPTICAL ANALYSIS OF A POINT OF AIM OF A PROJECTILE DISCHARGE DEVICE

(51) International classification :G06K

(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)POTLURI RAMAKRISHNA

Address of Applicant :Intellect Tech Corp Pvt.Ltd., H.No: 8-3-319/8/4, S-4, Sri Nilayam Apartments, Yousufguda, Hyderabad, Andhra Pradesh India

(72)Name of Inventor :

1)POTLURI RAMAKRISHNA

(57) Abstract :

A system and method for performing an optical analysis of a point of aim of a projectile discharge device includes capturing and storing a first image in a first temporary storage location, capturing and storing a second image in a second temporary storage location, comparing the second image with the first image by employing an image processing technique decoding a plurality of color codes of the first image by an image processor and storing in a first two dimensional array, decoding a plurality of color codes of the second image by an image processor and storing in a second two dimensional array, comparing a plurality of matrix of elements of the first two dimensional array and the second two dimensional array and storing in a third two dimensional array and generating a binary outcome of an authorized user in a unique color chosen by the authorized user.

No. of Pages : 26 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1986/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : AUTOMATIC TEST CASE SELECTION BASED ON DEVICE CAPABILITIES

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:NA	1)HCL Technologies Limited
(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	1)Anurag Jain
(87) International Publication No	: NA	2)Abhishek Suman
(61) Patent of Addition to Application Number	:NA	3)Nishank Trivedi
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The embodiments herein relate to hardware and software testing and, more particularly, to automated test case selection based on device capabilities. When a device has to be tested, the system fetches a device specific capability tag. Further, the system identifies device capabilities based on the fetched capability tag. Further, the identified device capabilities are compared with a database that possesses information on test scripts and capabilities of each test script, so as to identify at least one test script that matches the device capability. Further the selected test scripts are executed and the results are stored in an associated database.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1995/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :04/05/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : Automotive Security System Using Embedded Biometrics

(51) International classification :B60R

(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)Dr.S.Viswanadha Raju

Address of Applicant :Professor & Head of CSE, JNTUHCEJ
J N T UNIVERSITY HYDERABAD, Kukatpally, Hyderabad,
Andhra Pradesh, India. Pin Code: 500072 Andhra Pradesh India

(72)Name of Inventor :

1)Dr.S.Viswanadha Raju

2)Madhavi Gudavalli

(57) Abstract :

Present invention provides an automotive security system using Embedded Biometrics such as Finger Print Detection System, FDS (Face Detection System) and IDS (Iris Detection System) to disable an automobile and its key auto systems through remote control when it is stolen. It hence deters thieves from committing the theft. It also effectively prevents stealing of key auto systems for re-selling by introducing four layers of security features controlled by embedded controller Field Programmable Gate Arrays (FPGA). FDS and IDS are used to detect the face and iris of the person driving the car and compare it with the training set. Our system will verify the automobile and its key auto systems before it allows the automobile to start. If our system receives a disable command from the owner, the system will disable the automobile from re-starting and the key auto systems from activating. Thus, the owner has control to disable the vehicle from starting and key auto systems from activating after it is stolen. Following invention is described in detail with the help of figure 1 of sheet 1 showing System Architecture of Automotive Security System Using Embedded Biometrics.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2024/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : SYSTEM AND METHOD FOR CRAWLING, VERIFICATION AND TRACEABILITY OF WEBSITES

(51) International classification	:G06Q, G06F	(71)Name of Applicant : 1)HCL Technologies Limited
(31) Priority Document No	:NA	Address of Applicant :HCL Technologies Ltd, 50-53 Greams
(32) Priority Date	:NA	Road, Chennai- 600006, Tamil Nadu, India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)Yogesh Gupta
Filing Date	:NA	2)Mitesh Shah
(87) International Publication No	: NA	3)Prathameshwar Pratap Singh
(61) Patent of Addition to Application Number	:NA	4)Anjoli Garg
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The embodiments herein relate to online bulk crawling, verification and traceability of anonymous and authenticated websites for continually ensuring the websites are compatible with critical web standards and target display environments.

No. of Pages : 41 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2056/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : DUST FALL DETECTING DEVICE

(51) International classification	:A01G
(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)CHUEH HUNG LUN
Address of Applicant :2F., No.1, Ln. 143, Tonghua St.,
DaTMan Dist., Taipei City 106, Taiwan (R.O.C.)
(72)**Name of Inventor :**
1)CHUEH HUNG LUN

(57) Abstract :

A dust fall detecting device includes a flowerpot-shaped base body and flower bodies disposed on the base body. The base body includes aromatic pot bodies for storing phytoncides or ozones and in the pot bodies are disposed ultrasonic atomizers. The flower bodies include dust fall detecting parts and plurality of flower stalks. On the top edge of the flower stalks are disposed movable flowers, which are connected to a driving structure via braking levers. The present invention detects the dust fall volume in its surroundings by means of its dust fall detecting parts in normal states. When dust fall volume is detected, its driving structure is triggered to drive the braking levers and cause the flowers to droop and look wilted, sending out a message of warning. It can also make its surroundings clean and fragrant by having its various pot bodies spray phytoncides or ozones.

No. of Pages : 15 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2061/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : HEAT SINK

(51) International classification	:H01L
(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)BHARADWAJ Ashwin
Address of Applicant :1138, 19th Main 3 D Cross, 2ND
Phase, J P Nagar, Bangalore 560078 Karnataka India
(72)**Name of Inventor :**
1)BHARADWAJ Ashwin

(57) Abstract :

A heat sink (100) for an electronic device comprising a first plate (102), a second plate (104) and a pipe (106). One side of the first plate (102) is in thermal contact with the electronic device. The second plate (104) is in thermal contact with the other side of the first plate (102). Further, the second plate (104) includes a hole and placed such that, a gap for airflow maintained between the first plate (102) and the second plate (104). One end the pipe (106) thermally coupled to the second plate (104). Thus facilitating the air flowing into the pipe (106) through the other end escapes the heat sink through the gap maintained between the first plate (102) and the second plate (104) via the hole on the second plate (104).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2072/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR IMPROVED SECURITY IN EXECUTING ANALYTICS USING SDKS

(51) International classification	:G06F, H04N	(71) Name of Applicant : 1)WIPRO LIMITED
(31) Priority Document No	:NA	Address of Applicant :Doddakannelli, Sarjapur Road,
(32) Priority Date	:NA	Bangalore 560035, Karnataka, India.
(33) Name of priority country	:NA	(72) Name of Inventor :
(86) International Application No	:NA	1)Sourav Bhattacharya
Filing Date	:NA	2)Anirban Bhattacharya
(87) International Publication No	: NA	3)Kuldip Shetty
(61) Patent of Addition to Application Number	:NA	4)Krishna M. Prasad
Filing Date	:NA	5)Ravi Uday Kumble
(62) Divisional to Application Number	:NA	6)Venu Aluri
Filing Date	:NA	7)Vitesh Patel

(57) Abstract :

This disclosure generally relates to computer-implemented analytics, and more particularly to systems and methods for improved security and precision in executing analytics using SDKs. In one embodiment, an analytics system is disclosed, comprising: a processor; and a memory device operatively connected to the processor and storing processor-executable instructions for: receiving an application programming interface (API) call for a service; parsing the API call to extract an API call name and one or more API call parameters; generating prediction values for one or more interpreted-data parameters; obtaining one or more analytics rules; performing, to generate an analytics result, an analytics operation according to the one or more analytics rules, using the generated prediction values for the one or more interpreted-data parameters and the extracted one or more API call parameters; generating a visual representation of the analytics result; and providing the visual representation of the analytics result.

No. of Pages : 44 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2129/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : ENTERTAINMENT CONTENT APPLICATION, SYSTEM FOR ENABLING AN AUTHORIZED DOWNLOADING OF THE ENTERTAINMENT CONTENT APPLICATION

(51) International classification	:G06F, H04N	(71) Name of Applicant : 1)VENKATA NARESH BABU BALINA
(31) Priority Document No	:NA	Address of Applicant :1-98/9/3/1, BESIDE HITECH
(32) Priority Date	:NA	THEATRE, ARUNODAYA, MADHAPUR, HYDERABAD 500
(33) Name of priority country	:NA	081 Andhra Pradesh India
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)VENKATA NARESH BABU BALINA
(87) 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 :

Exemplary embodiments of the present invention are directed towards an entertainment content application configurable in a portable computing device enabling an authorized downloading and eliminating a distribution of a downloaded content. The application includes a first functional tab for displaying a featured information corresponding to a predetermined entertainment content, a second functional tab configured to display a cast and crew information corresponding to the predetermined entertainment content, a third functional tab for enabling a user to play at least one audio file corresponding to the predetermined entertainment content, a fourth functional tab for providing a media content corresponding to the predetermined entertainment content, a fifth functional tab configured to play a movie corresponding to the predetermined entertainment content and a sixth functional tab for enabling the user to view the information corresponding to the predetermined entertainment content over at least one social networking domain and over a entertainment content development server.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1936/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : CLOSED LOOP AUTOMATION TESTING

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:NA	1)HCL Technologies Limited
(32) Priority Date	:NA	Address of Applicant :HCL Technologies Ltd, 50-53 Greaves
(33) Name of priority country	:NA	Road, Chennai- 600006, Tamil Nadu, India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Muthukumar Kadarkaraiandi Chellapandi
(87) International Publication No	: NA	2)Prasanna Kumar Vasudevan
(61) Patent of Addition to Application Number	:NA	3)Deepak Kamal Kamalanaban
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The embodiments herein relate to semiconductor testing and, more particularly, to a factory automation testing. Initially, sequence of steps associated with specific events/test cases are configured with a host device. Further, the equipment to be tested is connected to an equipment handling device which in turn is connected to the host device. When the equipment is to be tested, certain sequence of steps is sent from the host device to the equipment handling device using a HSMS protocol. The host device shall also send equipment commands directly to the equipment thereby automating the entire factory automation testing. The equipment handler executes the steps to be tested on the equipment and corresponding status/output is fetched and sent to the host device. The host device validates the data received from the equipment side and logs result of the equipment testing as success• if the fetched output matches an expected output.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2130/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : SYSTEM AND METHOD FOR MONITORING REAL TIME CHARACTERISTICS OF WATER

(51) International classification	:G07C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SREERAM RAAVI
(32) Priority Date	:NA	Address of Applicant :3-54, PEDANANDIPADU, GUNTUR
(33) Name of priority country	:NA	DISTRICT 522 235 Andhra Pradesh India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SREERAM RAAVI
(87) 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 :

Exemplary embodiments of the present disclosure are directed towards a system and method for monitoring real time characteristics of water. The system includes a sensor positioned in an aquatic pond for detecting an aquatic environment, a hand held water quality meter functionally coupled to the aquatic sensor for collecting an aquatic environment data from the sensor to provide a real time communication with a user operating in a current geographical location and a data communication device enabled to provide a customized application for receiving the detected aquatic environment data from the hand held water quality meter.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4646/CHE/2011 A

(19) INDIA

(22) Date of filing of Application :28/04/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : A COMPOSITION COMPRISING NANOSPHERE AND HISTONE ACETYLTRANSFERASE (HAT) ACTIVATOR, PROCESSES AND METHODS THEREOF

(51) International classification :A61K31/00		(71)Name of Applicant :
(31) Priority Document No	:NA	1)JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC RESEARCH
(32) Priority Date	:NA	Address of Applicant :Jakkur Bangalore 560 064 Karnataka India
(33) Name of priority country	:NA	2)UNIVERSIT% DE STRASBOURG
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)TAPAS KUMAR KUNDU
(87) International Publication No	: NA	2)Anne-Laurence BOUTILLIER
(61) Patent of Addition to Application Number	:NA	3)SNEHAJYOTI CHATTERJEE
Filing Date	:NA	4)MUTHUSAMY ESWARAMOORTHY
(62) Divisional to Application Number	:NA	5)PUSHPAK MIZAR
Filing Date	:NA	6)Chantal MATHIS
		7)Jean-Christophe CASSEL
		8)Romain NEIDL
		9)MOHANKRISHNA DALVOY VASUDEVARAO
		10)VEDAMURTHY BHUSAINAHALLI
		MAHESHWARAPPA

(57) Abstract :

The present disclosure is in relation to a composition comprising nanosphere and histone acetyltransferase (HAT) activator. The disclosed nanosphere is carbon nanosphere (CSP) which is intrinsically fluorescent and the HAT activator is N-(4-Chloro-3-trifluoromethyl-phenyl)-2-n-propoxy-benzamide [COMPOUND 1]. The said N-(4-Chloro-3-trifluoromethyl-phenyl)-2-n-propoxy-benzamide is covalently conjugated with the carbon nanosphere. The present disclosure further relates to a process for obtaining a composition comprising carbon nanosphere and Histone acetyltransferase (HAT) activator [N-(4-Chloro-3-trifluoromethyl-phenyl)-2-n-propoxy-benzamide]. The composition is capable of crossing blood brain barrier and inducing histone acetylation in brain. Further, the composition is capable of increasing neurogenesis, as well as improving long-term memory formation. The said composition thus provides for managing pathological conditions to a subject in need thereof, such as aging-related, neurodegenerative diseases (AlzheimerTMs in particular), neurological disorders, depression or other kinds of diseases in which increased HAT activity, neurogenesis and/or memory improvement would benefit.

No. of Pages : 60 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.993/CHE/2013 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : LOW COST WATER SOFTENING APPARATUS

(51) International classification	:C02F	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CHUKKALA KONDALA RAO
(32) Priority Date	:NA	Address of Applicant :PLOT NO.5, STREET NO.12, H.M.T.
(33) Name of priority country	:NA	NAGAR, NACHARAM, HYDERABAD - 500 076 Andhra
(86) International Application No	:NA	Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)CHUKKALA KONDALA RAO
(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 is a water softening device to remove the hardness caused by the sulfates and chlorides of calcium and magnesium without the use of electricity, low cost and easy to maintain device. It comprises of a combination of hollow cylindrical tubes, and these hollow cylindrical tubes are filled in with resin material. The apparatus also comprising of couple of inlets for allowing the hard water and brine solution to enter into the hollow cylindrical tubes and couple of outlets for collecting softened water. The flow of the water from inlets and the outlets can be regulated using the valves at the input and output terminals. The water from the inlets flow into the system and exit the system through outlets and this process is done only by the gravitational force thereby eliminating the need of electricity for pumping the water into the system and out of the system.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1158/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : NON-LIVING POTABLE WATER AND IDENTIFICATION OF ITS LIVINGNESS.

(51) International classification	:C02F9/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DR. JEORAJ JAIN
(32) Priority Date	:NA	Address of Applicant :40, KAMANI CENTRE, 2ND FLOOR,
(33) Name of priority country	:NA	BISTUPUR, JAMSHEDPUR-831001(JH) Jharkhand India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DR. JEORAJ JAIN
(87) 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 :

As per the prior art, water exists in a particular type of physical-cell structure, which can perform the minimum 3 basic functions of a living-being. In the present inventions - 6.1. The technique of aura photography has been proved, beyond doubts, as Authentic and Reliable, so far as aura-energy or livingness of water is concerned. The gross reversal of aura-energy from negative (bad) to positive (good) has been characterized as conversion from livingness into non-livingness. 6.2. The existence of water-bodied living-being has now been practically demonstrated / exhibited. 6.3. Different methods have been developed to make potable water non-living. Its mechanism has been understood scientifically. Advantages of a few types of operations have been discovered. The non-living water is found to have a shelf-life. Factors determining the shelf-life have been scientifically identified. 6.4. Use of very simple and easily available consumable has been identified for villagers to produce bhashmi-jal. Solar heaters can also deliver similar results, so far as free radicals are concerned.

No. of Pages : 23 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1443/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : MYCOSYNTHESIS OF SILVER NANOPARTICLES USING EDIBLE MUSHROOM PLEUROTUS FLORIDA AND ITS USE AS ANTIBACTERIAL, ANTIFUNGAL AND APOPTOTIC AGENT.

(51) International classification	:A61K9/51	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SUREKHA KUNDU
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF BOTANY,
(33) Name of priority country	:NA	UNIVERSITY OF CALCUTTA, 35 BALLYGUNGE
(86) International Application No	:NA	CIRCULAR ROAD, KOLKATA-700019, West Bengal India
Filing Date	:NA	2)NICKY SINGH
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)SUREKHA KUNDU
Filing Date	:NA	2)NICKY SINGH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT OF THE INVENTION: The innovation of Mycosynthesis with silver nanoparticles using cell filtrate extract of edible mushroom Pleurotus florida is a clean, nontoxic and go green method which is in great demand for the society. The above mentioned innovative method is evidenced with spectrophotometry, for characterization of the particles scanning and transmission electron microscopy for size and shape of the particles. The size ranged between 10-57 nm in diameter. The mycosynthesis using edible mushroom are naturally protein coated silver nanoparticles which facilitates drug delivery. The silver nanoparticles produced in this invention had potent antimicrobial effect on human bacteria E. coli (DH5⁺), plant pathogenic bacteria Agrobacterium tumefaciens (LBA4404) and the human pathogenic fungus Aspergillus sp and on the multi drug resistant E. coli and Agrobacterium tumefaciens. These can also inhibit the spore germination of plant pathogenic fungus Alternaria solani thereby exploring scope of formulating pesticides. Single cell gel electrophoresis was done on tobacco and tomato leaf nuclei which showed apoptogenic activity at higher concentrations. So this can be used as an anti-tumor agent. So engineered silver nanoparticles can be used in early detection of diseases and most importantly, molecular targeted therapy, have the potential to revolutionize the diagnosis and treatment of many bacterial and fungal diseases

No. of Pages : 22 No. of Claims : 6

(54) Title of the invention : SILVER NANO-PARTICLES SYNTHESIZED WITH CELL-FREE EXTRACT OF FUNGUS MACROPHOMINA PHASEOLINA (TASSI) GOID AND ITS USE AS ANTIBACTERIAL, ANTIFUNGAL AND APOPTOGENIC AGENT.

(51) International classification	:C03C17/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SUREKHA KUNDU
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF BOTANY,
(33) Name of priority country	:NA	UNIVERSITY OF CALCUTTA, 35 BALLYGUNGE
(86) International Application No	:NA	CIRCULAR ROAD, KOLKATA-700019, West Bengal India
Filing Date	:NA	2)SUPRIYO CHOWDHURY
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)SUREKHA KUNDU
Filing Date	:NA	2)SUPRIYO CHOWDHURY
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention involves the first reported procedure of synthesizing silver nanoparticles using phytopathogenic fungus *Macrophomina phaseolina* (Tassi) Goid .The method for synthesizing silver nanoparticles involves the preparation of cell filtrate from mycelial mat from the above stated organism and further exposing it to 1mM concentration of silver nitrate solution. The extracellular green synthesis of fungal enzymes and metabolites that are responsible for reduction of silver nitrate and produces silver nanoparticles with a capping agent. The range of silver nanoparticles thus produced is of diameter 50-nm-100nm which is mainly spherical. The invention also corroborates the characterization of silver nanoparticles in terms of dispersity , particle distribution, shapes and sizes. In this case the particle is monodispersive with little or no aggregation, generally spherical with diameter of 50-100 nm. These biosynthesized silvernanoparticles distinctly exhibits antibacterial activity by affecting bacterial growth and also antifungal activity. Most importantly its role as an apoptogenic agent is seen in case of eukaryotic cells by dosage dependent way, by comet assays. So, thereby it can be said that it is both economical and environmental friendly way to synthesize silver nanoparticles with application as antimicrobial agent, antitumor agent and also as means of plant disease control. The reactions are conducted specifically at 28°C which is less than 90°C required in chemical synthesis methods. Therefore it can be used in both conductive coatings and adhesives. These silver nanoparticles (Mp-NPs) are naturally protein coated and thereby likely to improve eukaryotic cell uptake and retention for therapeutic purpose including but not restricted to drug delivery in tumor cells or for gene delivery.

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

(54) Title of the invention : SILVER NANO-PARTICLES SYNTHESIZED WITH THE HELP OF CELL-FREE EXTRACT OF HEMI-BIOTROPHIC FUNGUS MAGNAPORTHE ORYZAE(B. COUCH.) SP NOV., ITS USE AS ANTIBACTERIAL AND ANTIFUNGAL AGENT AND ALSO AS APOPTOGENIC AGENT.

(51) International classification	:C09C1/62	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SUREKHA KUNDU
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF BOTANY,
(33) Name of priority country	:NA	UNIVERSITY OF CALCUTTA, 35 BALLYGUNGE
(86) International Application No	:NA	CIRCULAR ROAD, KOLKATA-700019, West Bengal India
Filing Date	:NA	2)SARMISTHA RAY
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)SUREKHA KUNDU
Filing Date	:NA	2)SARMISTHA RAY
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention involves the first reported procedure of synthesizing silver nanoparticles using hemibiotrophic fungus Magnaporthe oryzae (B. Couch sp. Nov) .The method for synthesizing silver nanoparticles involves the preparation of cell filtrate from mycelial mat from the above stated organism and further exposing it to 1 mM concentration of silver nitrate solution. The extracellular green synthesis of fungal enzymes and metabolites that are responsible for reduction of silver nitrate and produces silver nanoparticles with a capping agent. The range of silver nanoparticles thus produced is of diameter 2-26nm which are mainly spherical. The invention also corroborates the characterization of silver nanoparticles in terms of dispersity, particle distribution, shapes and sizes. In this case the particle is monodispersive with little or no aggregation, generally spherical with average diameter of $8.6\text{nm} \pm 2\text{nm}$. The silver nanoparticles thus produced exhibit its antioxidant property that is estimated according to the formation of phosphomolybdenum complex where M. oryzae derived silver nanoparticles (MONPs) showed higher total antioxidant capacity in comparison to cell filtrate and ascorbic acid. It has also been seen that MONPs have potent antimicrobial activity against multidrug resistant strains of bacteria of both plants and human. It also shows anti-fungal property against plant pathogenic fungi. Most importantly its role in terms of apoptogenic property is seen in case of eukaryotic cells by dosage dependent way, by comet assays. So, thereby it can be said that it is both economical and environmental friendly way to synthesize silver nanoparticles with application as antimicrobial agent, antitumor agent and also as means of plant disease control. The reactions are conducted specifically at 28°C which is less than 90°C required in chemical synthesis methods. Therefore it can be used in both conductive coatings and adhesives. These silver nanoparticles (MONPs) are naturally protein coated and thereby likely to improve eukaryotic cell uptake and retention for therapeutic purpose including but not restricted to drug delivery in tumor cells.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1442/KOL/2012 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : MYCOSYNTHESIS OF GOLD NANOPARTICLES USING EDIBLE MUSHROOM PLEUROTUS FLORIDA AND ITS USE AS ANTIBACTERIAL, ANTIFUNGAL AND APOPTOTIC AGENT.

(51) International classification	:A61K49/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SUREKHA KUNDU
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF BOTANY,
(33) Name of priority country	:NA	UNIVERSITY OF CALCUTTA, 35 BALLYGUNGE
(86) International Application No	:NA	CIRCULAR ROAD, KOLKATA-700019, West Bengal India
Filing Date	:NA	2)NICKY SINGH
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)SUREKHA KUNDU
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The innovation of Mycosynthesis with gold nanoparticles using cell filtrate extract of edible mushroom Pleurotus florida is a clean, nontoxic and go green method which is in great demand for the society. The above mentioned innovative method is evidenced with spectrophotometry, for characterization of the particles scanning and transmission electron microscopy for size and shape of the particles. The size ranged between 2-23 nm in diameter with varying shapes i.e. triangular, hexagonal, rhomboidal and spherical. The mycosynthesis using edible mushroom are naturally protein coated gold nanoparticles which facilitates drug delivery. The gold nanoparticles produced in this invention had potent antimicrobial effect on human bacteria E. coli (DH5⁺), and multi drug resistant E. coli. These can also inhibit the spore germination of plant pathogenic fungus Alternaria solani thereby exploring scope of formulating pesticides. Single cell gel electrophoresis was done on tobacco and tomato leaf nuclei which showed apoptogenic activity at higher concentrations. So this can be used as an anti-tumor agent. So engineered gold nanoparticles can be used in early detection of diseases and most importantly, molecular targeted therapy have the potential to revolutionize the diagnosis and treatment of many bacterial and fungal diseases.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.215/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :26/02/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : A NOVEL PORTABLE, COMPACT APPARATUS/PLANT CAPABLE OF REMOVING ARSENIC AND OTHER DELETERIOUS MATERIALS FROM WATER.

(51) International classification	:C02F1/58	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DEBNATH SUBARNA
(32) Priority Date	:NA	Address of Applicant :DAKSHIN CHATRA, DAS PARA,
(33) Name of priority country	:NA	BADURIA, DIST.:24 PARGANAS (NORTH), PIN-743
(86) International Application No	:NA	247,West Bengal India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)DEBNATH SUBARNA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Arsenic contamination in areas flanking the river Ganges, both in India and Bangladesh, has assumed alarming proportions affecting a wide cross-section of population in urban, semi-urban and rural areas. The present invention attempts to remove arsenic and other metallic contaminations from feed water, particularly sub-soil water drawn by tube wells, by providing a novel, compact, portable apparatus comprising a hollow tubular body with an inlet (1) and outlet (2) for water fitted with a stop cock (3), carrying a copper plate (4) at the top and a copper micro strainer (5), at the bottom of the inlet pipe, a hollow copper tube (6) running throughout the length of the main body equipped with a spout for egress of filtered water, the tubular body having compacted layers of MnO₂ balls (7), activated carbon (8), metallized or metalloid - embedded silica (9), larger silica (10), metallized active carbon (11), gravels (12), a strainer (13) fitted to the bottom of the copper tube (6), having an additional polymeric strainer (14), covered with a polymer net (15), optionally having pearl beads surrounding the said strainer (14). Figs. 1 and 2 of the drawings illustrate the invention.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.260/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :07/03/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : VIBRATING SCREEN PANEL HEALTH MONITORING SYSTEM

(51) International classification	:B07B1/28
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :
1)TEGA INDUSTRIES LIMITED
Address of Applicant :147, BLOCK-G, NEW ALIPORE,
KOLKATA- 700 053, West Bengal India
(72)Name of Inventor :
1)IMAM, SYED YAUVER
2)PAUL, BISWADEEP
3)MOHARANA, TANMAY

(57) Abstract :

A vibrating screen panel health monitoring system comprises an embedded part and a distal part. The embedded part has controller system (1), power supply, and threshold conductors (2) embedded in screen panel (3). Distal part has circuit break data acquisition system (4), network server (5), user interface (7) and screen panel layout display (8). The circuit break data acquisition system (4) is adapted to receiving/processing the wear rate data of said screen panel (3). Controller (1) has transmitter module. The distal part is located within range of the transmitter which transmits packet of data wirelessly received by circuit break data acquisition system (4) which has a radio wave receiver unit and circuitry for decoding the signals into desired information and/or electrical signals. The embedded conductors (2) are laid out as thresholds, which are placed to cover most strategic portions of screen panels (3) and work as multiple levels of wear detection.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.334/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :25/03/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : FUEL ADDITIVE FOR REDUCING POLLUTANT EMISSIONS AND THE PROCESS OF PREPARING THE SAME

(51) International classification	:A61K36/00, A61K38/00
(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)MAITRAYEE THOMAS

Address of Applicant :LAV KUSH APPARTRMENT,
BLOCK-B, FLAT-4E,TENTULTALA, P.O. GARIA, P.S.
SONARPUR, KOLKATA 700084 , West Bengal India

(72)Name of Inventor :

1)MAITRAYEE THOMAS

(57) Abstract :

The present invention relates to a pollution free fuel additive. More particularly, the present invention relates to the pollution free fuel additive which comprises diesel or petrol or both and kerosene and castor oil and neem oil in a particular ratio. Moreover this invention relates to the process for the preparation of the above fuel additive.

No. of Pages : 22 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.363/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :01/04/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : THE PROCESS OF PREPARING AN ANTI-COUNTERFEIT ALUMINIUM FOIL WITH OR WITHOUT OTHERS SUBSTRATES

(51) International classification	:B65D65/40
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) 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)ESS DEE ALUMINIUM LIMITED
Address of Applicant :1,SAGORE DUTTA GHAT ROAD,
KAMARHATI,KOLKATA-700058, WEST BENGAL INDIA
(72)**Name of Inventor :**
1)SMT.VINAYA DESAI
2)SHRI. ASHIS BHATTACHARYA
3)SHRI. P.S BOSE

(57) Abstract :

This invention relates to the process of preparing an anti-counterfeit aluminium foil with or without other substrates, and in particular, this invention relates to a process for preparing anti-counterfeit aluminium foil and its use for producing packaging material, decorative foils. The invention relates furthermore to the use of the counterfeit-proof aluminium foil as claimed in the invention for producing packaging material, for example for medications.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.364/KOL/2013 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : MOTOR VEHICLE GREEN SIGNAL & RED WARNING INDICATOR SYSTEM

(51) International classification	:B60T13/569
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) 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)VIRENDRA MAHTO
Address of Applicant :VILL-MAJROHI RAGHUNANDAN,
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844509 Bihar India
(72) **Name of Inventor :**
1)VIRENDRA MAHTO

(57) Abstract :

It is a new invention why do all motor vehicles accident Green Signal has been searched in all motor vehicles for breaking the accident. Now a days, Four signal light are generally available in all motor vehicles, as:- (i) indicate light (ii) Break light (iii) Reverse light (iv) Parking light. (i) Indicator light:- This light shows that in which direction does the vehicle turns (ii) Break light:- When this light is used then another vehicle driver understand himself. (iii) Revers light:- When the vehicle revers then the light is on. (iv) Parking light:- When the vehicle is parked then light is on & another drivers understand themselves. Accept these lights there were no any passing light so, Green signal light & warning light has been searched in order that there may not be any chance to be accident.

No. of Pages : 11 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.396/KOL/2013 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : CERAMIC CHUTE LINER

(51) International classification	:B65G11/16	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TEGA INDUSTRIES LIMITED
(32) Priority Date	:NA	Address of Applicant :147,BLOCK-G, NEW ALIPORE,
(33) Name of priority country	:NA	KOLKATA-700 053, WEST BENGAL, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DAS GOUR CHANDRA
(87) 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 ceramic chute liner (10) comprising of a plurality of mechanically interlocked ceramic blocks (1). The corresponding mechanically interlocked ceramic blocks (1) have rubber films between them along respective adjoining surfaces such that, the ceramic blocks (1) are bonded with each other with substantial strength and the impact force is substantially reduced.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.415/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :16/04/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : FIRE FIGHTING SYSTEM

(51) International classification	:A62C35/00
(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)SAMIR KUMAR NEOGI
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CO. 2, KUMARPARA ROAD, RAJPUR, KOLKATA-700 149
WEST BENGAL, INDIA
2)AHINDRA CHANDRA CHOWDHURY
(72) **Name of Inventor :**
1)SAMIR KUMAR NEOGI
2)AHINDRA CHANDRA CHOWDHURY

(57) Abstract :

This invention relates to a fire fighting system and in particular, this invention relates to the improvement in fire fighting system, in highly congested areas of business. This invention also relates to a fire fighting system in which by keeping the existing fire fighting unit as backup, the invented technology is act as spearhead of the total system in improving the total fire fighting concept.

No. of Pages : 32 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.419/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :17/04/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : HEAT INSULATOR HOLLOW CONCRETE BRICKS

(51) International classification

:E04B1/76

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) 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)RAJ KUMAR JAISWAL

Address of Applicant :AT + POST-BARKA GAON ,
MUZAFFARPUR,BIHAR-843109. Bihar India

(72)Name of Inventor :

1)RAJ KUMAR JAISWAL

(57) Abstract :

This invention relates to modifications and improvements in design, structure, weight and heat insulation property of the bricks (a building construction material). This invention relates also Air-cooled/heat insulator hollow concrete bricks.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.422/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :17/04/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : GASPARA-A GAS SAVING DEVICE

(51) International classification	:F01N13/08	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MAINSTREAM TRADELINK PRIVATE LIMITED
(32) Priority Date	:NA	Address of Applicant :126, BIRESH PALLY (NORTH)
(33) Name of priority country	:NA	MADHYAMGRAM, KOLKATA-700129, WEST BENGAL,
(86) International Application No	:NA	INDIA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)MR. SUJIT KUMAR DAS,
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a fuel saving device and in particular, this invention relates to a fuel saving device which is removably attachable to combustion equipment, for ensuring substantially high degree of burning of the combustible mixture of hydrocarbon gases and air/oxygen thus reducing the consumption of the said hydrocarbon gases while increasing the output considerably. More particularly, this present invention relates to provide a fuel saving device which has adapted the system to save substantial quantity of fuel by reducing the quantity of unburnt fuel and by preventing leakage of hydrocarbon gases.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.374/KOL/2013 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : LINER UNIT FOR CHUTE WALL

(51) International classification	:B65G11/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TEGA INDUSTRIES LIMITED
(32) Priority Date	:NA	Address of Applicant :147, BLOCK-G, NEW ALIPORE,
(33) Name of priority country	:NA	KOLKATA-700 053 WEST BENGAL INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MOHANKA MADAN MOHAN
(87) International Publication No	: NA	2)KISHOR KAUSHAL
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A liner unit (1) adapted to be detachably attached on a chute wall (12) comprises a liner base enclosed within an integrally formed frame (2) and having a front (10) and a back face (11), said liner unit (1) is adapted to be affixed with the said chute wall (12) through bolt holes (5) by means of fastening means (8), said liner base being provided with pockets on the surface thereof providing cushioning effect in the event of the liner base being impacted with a load during operation.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.423/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :17/04/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : AN IMPROVED ECO-FRIENDLY FUEL ADDITIVE COMPOSITION FOR BOTH PETROL AND DIESEL ENGINES AND PROCESS FOR ITS PREPARATION

(51) International classification	:C10L1/08	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DUTTA, ASIM
(32) Priority Date	:NA	Address of Applicant :GARIA GARDEN, OPP. B.S.F.
(33) Name of priority country	:NA	CAMP, P.O.GARIA, KOLKATA-700 084, WEST BENGAL,
(86) International Application No	:NA	INDIA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)GHOSHRAY, DR. SUDIPTA
(61) Patent of Addition to Application Number	:NA	2)DUTTA, ASIM
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In the quest for finding a composite fuel additive composition effective for both petrol and diesel engines which would improve mileage, reduce wear and tear of engines, ensure near-complete combustion with simultaneous reduction in emitted pollutants, the present invention provides an improved eco-friendly fuel additive composition for both petrol and diesel engines, characterized in that the said composition constituted by combining the following ingredients in amounts specified (v/v) : (i) straight chain aliphatic hydrocarbons (C_nH_{2n+2}) 30-70% where $n = 10-18$ (ii) branched chain aliphatic hydrocarbons (C_nH_{2n+2}) 10-40% where $n = 10-18$ (iii) 2-alkyl hexyl nitrate ($R = C_nH_{2n+1}$ $n = 2-5$) 5-15% (iv) alkyl benzene ($R = C_nH_{2n+1}$ $n = 2-4$) 4-8% (v) n,n-Bis (2-hydroxyalkyl)cocoamide ($R = C_nH_{2n+1}$ $n = 1-4$) 1-3% (vi) soya esters of 2-alkanol and iso-alkyl alcohol 5-12% (vii) polypropylene glycol mono alkyl ether 5-8% ($R = C_nH_{2n+1}$ $n = 1-4$) (viii) 2,2-bis (t-butylperoxy)alkane ($C = 4-8$) 0.5-5% (ix) dialkylene triamine ($R = C_nH_{2n}$, $n = 2-8$) 3-8% (x) di-alkanol amino pelargonate ($R = C_nH_{2n+1}$ $n = 2-4$) 6-9% The subject invention also pertains to a process for preparation of the above fuel additive composition. Graphs 1 to 11 accompanying the specification illustrate the invention.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.445/KOL/2013 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : A NOVEL SYNERGISTIC HERBAL FORMULATION FOR COUGH AND COLD AND SKIN DISEASE ETC AND THE PROCESS OF PREPARING THE SAME

(51) International classification	:A61K36/185, a61k36/00	(71)Name of Applicant : 1)MAHAMAYA AYURVED VIKAS KENDRA Address of Applicant :VILL: JAHANGIRPUR PATEDHA. PO: SARAI, PS: SARAI, DIST: VAISHALI, STATE: BIHAR PIN: 844125, Bihar India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SHIVPUJAN SINGH
(87) 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 novel synergistic herbal formulation for cough and cold and skin disease etc. More particularly, the present invention relates to the herbal formulation for cough and cold and skin disease etc which is prepared by using 10 kg Til (Sesame seed) and 5 kg Klanunji (Mangraila) (Small fannel) and 5 kg Ajvyan (Carum copticum) and 0.25 kg nutmeg (Jayfal) and 5kg Erend (Andi) (Caster plant seed). Moreover this invention relates to the process for the preparation of the above composition.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.695/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :26/06/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : AN IMPROVED BELT SCRAPER ASSEMBLY

(51) International classification	:B65G47/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TEGA INDUSTRIES LIMITED
(32) Priority Date	:NA	Address of Applicant :147, BLOCK-G, NEW ALIPORE,
(33) Name of priority country	:NA	KOLKATA- 700 053, WEST BENGAL, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)KISHORE, KAUSHAL
(87) International Publication No	: NA	2)ROY, SAROJ KUMAR
(61) Patent of Addition to Application Number	:NA	3)YAYER, IMAM SYED
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An improved belt scraper assembly for belt conveyors comprising at least a blade assembly(1) and at least a hinge assembly(2) mounted on either side of a supporting flexible member(3), said blade assembly(1) being operatively connected to said hinge assembly(2) which is adapted to ensure limited rotational motion of said blade assembly(1).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.745/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/03/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : DEVELOPER CONTAINER, DEVELOPING DEVICE, PROCESS UNIT, AND IMAGE FORMING APPARATUS

(51) International classification :G03G15/08,G03G21/18
(31) Priority Document No :2011-164036
(32) Priority Date :27/07/2011
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2012/069783
Filing Date :27/07/2012
(87) International Publication No :WO 2013/015455
(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)NAKATAKE, Naoki
3)SHIMIZU Yoshiyuki
4)TSURITANI, Shoh
5)HAMADA, Manabu
6)TSUJI, Masato
7)FUJITA, Masanari

(57) Abstract :

The developer container includes a rotator that is rotated in the container body a sequence of gears disposed outside the developer container that transmits a torque to the rotator and a container guiding portion that fits with a main body side guiding portion and guides the developer container in a direction in which the developer container is attached to a mounting portion of an image forming device main body. A first gear included in the sequence of the gears is movable between an operating position where the first gear engages with a second gear and a retracted position where the first gear is retracted. On a surface on which the container guiding portion is disposed a part of the container guiding portion is disposed within a projected area of the first gear being disposed at the operating position.

No. of Pages : 137 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.451/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :23/04/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : A RADIO OR T.V (BLACK AND WHITE) OR COLOUR & COMPUTER WITHOUT BATTERIES OR ANY OUTER SOURCES

(51) International classification	:H04L29/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)AMRENDRA KUMAR SINGH
(32) Priority Date	:NA	Address of Applicant :S/O-SRI BALRAM PRASAD
(33) Name of priority country	:NA	SINGH(BABA) AT.P.O.-BASUDEOPUR CHANDEL; DISTT.-
(86) International Application No	:NA	VAISHALI, PIN-844501 STATE- BIHAR(INDIA) CONTACT
Filing Date	:NA	NO.- 8757835026 Bihar India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)AMRENDRA KUMAR SINGH
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

With the invention of Shiva Power Unit. It can revolutionize the electronic industries. It will save electric energy and put down the present electronics industries under pressure. It will increase direct foreign investment in the country India & increase the employment very high .It will bring foreign currency in very high amount. And make India (Bharat Maa) stronger & stronger.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.502/KOL/2013 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : AUTOMATIC POWER GENERATING ARRANGEMENT EMPLOYING SYNCHRONOUS DYNAMO ELECTRIC MACHINE USING FREELY HANGING LOAD AND HAVING IMPROVED FEEDBACK AND TORQUE TRANSMISSION MECHANISIM

(51) International classification	:F22D5/18	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SURAJ KUMAR SINGH,
(32) Priority Date	:NA	Address of Applicant :NEAR K N HIGH SCHOOL,VILL-
(33) Name of priority country	:NA	HADARI, P.O.+P.S.-ICHAK,DIST.HAZARIBAGH, PIN-
(86) International Application No	:NA	825402,JHARKHAND,INDIA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)SURAJ KUMAR SINGH,
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An automatic power generating arrangement employing freely hanging electronic motor and synchronous dynamo comprising of: an electric motor for initiating the dynamo and the gear movement; a dynamo for converting the mechanical power / torque to electrical energy; a frame arrangement for holding the electric motor and the dynamo with shaft in hanging condition; a plurality of pedal shafts connected with said frame and connecting rods configured for rotating around a central axis and further transmission of torque to other connected shafts; a pair of spur gears connected between shaft between electric motor and dynamo and the lowermost pedal shaft for the onward transmission of torque and feedback of the mechanical power efficiently; and an auto switch for instantly starting the electric motor.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.778/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :16/07/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : A NOVEL POWER SAVING ECONOMICAL MULTI-LAYER HEAT INSULATOR.

(51) International classification	:H02G15/184
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) 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)RENTHLEI RAMDINTHARA
Address of Applicant :ZEG PRODUCTION CO. (PVT.) LTD.
MISSION VENGTHLANG, AIZAWL, PIN-796005, MIZORAM,
INDIA.
(72)**Name of Inventor :**
1)RENTHLEI RAMDINTHARA

(57) Abstract :

The present invention relates to a multi-layer heat insulator. More particularly, the present invention relates to a heat insulator made of seasoned bamboo chips which act as an enhancement of power savings. Furthermore, this invention also relates to an insulator, which can minimize the power loss and the output coming from the synchronized motor last for a long time having a higher back-up. Moreover, this invention also relates to this insulator which is used in inverter and transformer. Furthermore, this invention also relates to an insulator which is proved to stop the heating of energy source devices and as a result power loss is minimized.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.787/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 07/06/2013

(54) Title of the invention : RELAY STATION, BASE STATION, AND WIRELESS COMMUNICATION SYSTEM AND METHOD

(51) International classification :H04W76/02,H04B7/15,H04W16/26
(31) Priority Document No :2010-226798
(32) Priority Date :06/10/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/071471
Filing Date :21/09/2011
(87) International Publication No :WO 2012/046573
(61) 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.
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(72)Name of Inventor :
1)MORIOKA, Yasufumi
2)YAMADA, Akira
3)TAKAHASHI, Hideaki
4)IWAMURA, Mikio
5)HAGIWARA, Junichiro

(57) Abstract :

A relay station that relays radio signals between base stations and mobile stations includes: a relay station information generation unit that generates relay station information to be used when a switching center that is to connect said relay station is selected by a base station; a message generation unit that generates messages that include the relay station information generated by said relay station information generation unit; and a transmission unit that transmits the messages generated by the message generation unit to the base station.

No. of Pages : 47 No. of Claims : 12

(54) Title of the invention : RELAY STATION AND RECONNECTION METHOD

(51) International classification :H04W76/02,H04B7/15,H04W16/26
 (31) Priority Document No :2010-247753
 (32) Priority Date :04/11/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/075119
 Filing Date :31/10/2011
 (87) International Publication No :WO 2012/060345
 (61) 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,
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1)MORIOKA, Yasufumi
2)YAMADA, Akira
3)TAKAHASHI, Hideaki
4)IWAMURA, Mikio
5)HAGIWARA, Junichiro

(57) Abstract :

A relay station in a communication system comprises: a communication unit which initiates a session of the relay station after an initial communication link is established among each of a relay station a base station and a switching station by acquiring a cell list indicative of one or more candidates of donor base stations from a maintenance management node and performing initial connection procedures for establishing a communication link with respect to any donor base station in the cell list and a switching station connected to the donor base station; a storage unit which stores the cell list; and a reconnection control unit which when a wireless link with the donor base station is broken controls the communication unit so as to select a donor base station satisfying a predetermined criteria from the cell list stored in the storage unit and establish a communication link with respect to the selected donor base station and a switching station connected to the donor base station.

No. of Pages : 33 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.942/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : RELAY STATION AND RELAY METHOD FOR RELAYING COMMUNICATIONS BETWEEN USER EQUIPMENT AND BASE STATIONS

(51) International classification :H04W16/26,H04B7/15,H04W72/04
(31) Priority Document No :2010-226799
(32) Priority Date :06/10/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/072107
Filing Date :27/09/2011
(87) International Publication No :WO 2012/046596
(61) 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.
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(72)Name of Inventor :
1)MORIOKA, Yasufumi
2)YAMADA, Akira
3)TAKAHASHI, Hideaki
4)IWAMURA, Mikio
5)HAGIWARA, Junichiro

(57) Abstract :

A relay station that relays wireless communications from a first communication station to a second communication station comprises: a quality class identification unit that identifies a first quality indicator indicating the quality expected for the wireless communications using the signals received from the first communication station; a mapping unit that maps the received signals to radio bearers having the quality indicated by a second quality indicator that corresponds to the first quality indicator in the corresponding relationships between a quality indicator for communications between the first communication station and relay station and a quality indicator for communications between the relay station and the second communication station; and a transmitting unit that transmits the received signals to the second communication station using a radio bearer.

No. of Pages : 36 No. of Claims : 8

(54) Title of the invention : MOBILE COMMUNICATION METHOD, MOBILE MANAGEMENT NODE, SERVING GATEWAY APPARATUS, PACKET DATA NETWORK GATEWAY APPARATUS, POLICY CONTROL APPARATUS, AND PACKET SWITCH

(51) International classification :H04W 36/12 H04M 3/00
 (31) Priority Document No :2010-225245
 (32) Priority Date :04/10/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/072853
 Filing Date :04/10/2011
 (87) International Publication No :WO 2012/046721
 (61) Patent of Addition 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)NISHIDA, KATSUTOSHI**2)MORITA, TAKASHI**

(57) Abstract :

A mobile communication system according to the present invention includes the steps of: causing an UE to switch a radio access network in a connection destination from E-UTRAN to UTRAN/GERAN; causing an MME to receive Delete Bearer Request to a voice communication packet bearer from an S-GW,- and causing the MME to transmit to the S-GW a Delete Bearer Response to the Delete Bearer Request, without giving an instruction to the UE#1 or the E-UTRAN to release the voice communication packet bearer, if a core bearer disconnection flag is set in the received Delete Bearer Request.

No. of Pages : 63 No. of Claims : 4

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.3459/DEL/2011 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : SYSTEM AND METHOD FOR COMPUTING INTER- DOMAIN SHORTEST CONSTRAINED PATH IN A COMPUTER NETWORK

(51) International classification

:G11B

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)DHODY DHRUV

2)SHASTRY PRADEEPA

(57) Abstract :

System and method for computing inter-domain shortest constrained path or optimal path across unknown sequence of domains in a computer network is described. The system and method comprises of sending a request by a path computation client (PCC) to a path computation element (PCE) serving an ingress domain; forwarding the request by the path computation element to each adjacent path computation element (PCEs), each adjacent path computation element serving one or more domains, wherein said domains are non-traversed; forwarding the request by each adjacent path computation element to next adjacent path computation element until a response is received from the path computation element of the domain having a destination node; computing the virtual shortest path tree path by each adjacent path computation element based on the response received; and selecting the optimal path from the virtual shortest path tree between the PCC and the destination node by the path computation element serving the ingress domain.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3476/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :02/12/2011

(43) Publication Date : 07/06/2013

(54) Title of the invention : PROCESS FOR PREPARATION OF TRIHALO METHYL BENZOYL CHLORIDE

(51) International classification	:C07D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SRF LIMITED
(32) Priority Date	:NA	Address of Applicant :BLOCK-C, SECTOR 45, UNICREST
(33) Name of priority country	:NA	BUILDING, GURGAON, HARYANA (INDIA)
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DHINGRA, SURENDER
(87) International Publication No	:NA	2)PERRISWAMY PURUSHOTAMAN C.
(61) Patent of Addition to Application Number	:NA	3)SAXENA, RAHUL
Filing Date	:NA	4)ANAND, RAJDEEP
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Present invention relates to a process for preparation of trihalomethyl benzoyl chloride of Formula I. The process comprises of reacting chlorine with trihalomethyl benzaldehyde of Formula II in presence of a free radical generator preferably Azobis(isobutyronitrile)(AIBN) and UV light at a temperature in the range of 40 to 90 degree C. The process of the present invention requires low reaction temperatures thus enhancing safety and saving consumption of energy. Also, the products obtained contains less amount of impurities and are easy to purify. Formula I Formula II wherein X is selected from fluorine and chlorine, and each X is independently Cl or F, provided that all three X are not chlorine.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3492/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :05/12/2011

(43) Publication Date : 07/06/2013

(54) Title of the invention : A COMPOSITION FOR SKIN DISEASES AND METHOD OF PREPARATION FOR THE SAME

(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. MEHTAB ALAM

Address of Applicant :PLOT NO. 88, SECTOR-7, 11-E,
SIDCUL, HARIDWAR, INDIA

(72)Name of Inventor :

1)DR. MEHTAB ALAM

(57) Abstract :

This invention is related to skin lotion; more specifically the invention provides a composition for skin diseases and method of manufacturing for the same.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3493/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :05/12/2011

(43) Publication Date : 07/06/2013

(54) Title of the invention : TRIAZOLE SUBSTITUTED TERPENYL PYRAZOLIDINES AND PROCESS FOR 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 :ANUSANDHAN BHAWAN, RAFI MARG, NEW DELHI-110001, INDIA,

(72)Name of Inventor :

1)SHIVAJI NARAYAN SURYAWANSHI

2)SUMAN GUPTA

3)AVINASH TIWARI

4)SHALINI SINGH

5)MONIKA MITTAL

6)RAHUL SHIVAHARE

(57) Abstract :

The present invention relates to triazole substituted terpenyl pyrazolidine compound of Where, General formula 9 wherein R is selected from the group consisting of H, F, the dotted lines indicate the presence of single bond or double bond. The compounds prepared are useful as antileishmanial agents and compounds have shown excellent in-vitro/in-vivo results. The synthesis of these compounds is simple, economically feasible, environmentally friendly and easily processable.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3494/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :05/12/2011

(43) Publication Date : 07/06/2013

(54) Title of the invention : TERPENYL ISOXAZOLE BASED HYBRID COMPOUNDS AND PROCESS FOR 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

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1)SURYAWANSHI, SHIVAJI NARAYAN

2)GUPTA, SUMAN

3)GOYAL, NEENA

4)KUMAR, SANTOSH

5)MITTAL, MONIKA

6)SHIVAHARE, RAHUL

(57) Abstract :

The present invention relates to terpenyl isoxazole based hybrid compounds of formula 4 and process for preparation thereof, Where General Formula 4 The compounds prepared are useful as antileishmanial compounds and compounds have shown excellent in-vitro results and the in-vivo tests in hamster model. The synthesis of these compounds is simple, economically feasible, environmentally friendly and easily processable.

No. of Pages : 23 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1009/DEL/2001 A

(19) INDIA

(22) Date of filing of Application :28/09/2001

(43) Publication Date : 07/06/2013

(54) Title of the invention : A PROCESS FOR PREPARATION OF FERRONICKEL FROM SPENT NICKEL CATALYST

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC AND INDUSTRIAL,
(32) Priority Date	:NA	RESEARCH
(33) Name of priority country	:NA	Address of Applicant :RAFI MARG, NEW DELHI-110 001,
(86) International Application No	:NA	INDIA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	1)KAMALA KANTA SAHU
(61) Patent of Addition to Application Number	:NA	2)ZAHID HUSAIN KHAN
Filing Date	:NA	3)SHAILENDRA KUMAR
(62) Divisional to Application Number	:NA	4)BANSHI DHAR PANDEY
Filing Date	:NA	5)PREMCHAND

(57) Abstract :

A process preparation of ferronickel from spent nickel catalyst which comprises: i) mixing carbon powder and lime with ground spent nickel catalyst, ii) adding water in the above mixture and making pallets of 5-20 mm size iii) allowing the said pallets to dry in the range of 110-120 °C for a period of 12-24 h to remove moisture completely, iv) melting iron scrap or ferronickel by known process to make a pool for proper conduction, v) charging the said dried pallets as obtained in step(iii) by adding this slowly into the above said iron scrap or ferronickel melt for complete smelting to obtain the iron to nickel ratio in the range of 8:2 to 1 : 9, vi) cooling and separating the metal and slag by the known process.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2575/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :07/12/2011

(43) Publication Date : 07/06/2013

(54) Title of the invention : PROCESS FOR METHANE ENRICHED BIOGAS

(51) International classification	:B27M	(71)Name of Applicant :
(31) Priority Document No	:NA	1)VIPIN BEHARI SHARMA
(32) Priority Date	:NA	Address of Applicant :B-14 IIND FLOOR, INDERPURI,
(33) Name of priority country	:NA	NEW DELHI-110012 India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)VIPIN BEHARI SHARMA
(87) 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 discloses a method of purification of biogas produced from animal excreta, such as cow dung and / or other organic wastes by purging the gas in hot lime solution resulting into methane rich fuel gas free from carbon dioxide and calcium carbonate as a byproduct.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3453/DEL/2011 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : ROTARY FURNACE FOR THERMAL DECOMPOSITION

(51) International classification	:H01S	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN TECHNO RESEARCH PRIVATE LIMITED
(32) Priority Date	:NA	Address of Applicant :1107, VIKRANT TOWERS, 4
(33) Name of priority country	:NA	RAJENDRA PLACE, NEW DELHI - 110008 India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SHARMA, RAKESH
(87) International Publication No	:NA	2)GULATI, CHANDRA, RAMESH
(61) Patent of Addition to Application Number	:NA	3)GULATI, AMIT
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention provides a rotary furnace for thermal decomposition. The rotary furnace is provided with a chamber comprising a ceramic mantle on an inner surface of the chamber. The rotary furnace is further provided with a reaction chamber housed in the chamber capable of holding and rotating material to be thermally decomposed. The rotary furnace is positioned parallel to the horizontal plane while performing thermal decomposition. A plurality of heat sources present in the rotary furnace heats the reaction chamber to thermally decompose the material. Thereafter, the rotary furnace is tilted to the discharge of the thermally decomposed material.

No. of Pages : 30 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3473/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :02/12/2011

(43) Publication Date : 07/06/2013

(54) Title of the invention : NOVEL FORMULATION FOR NON SMALL CELL LUNG CANCER

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)AMITY UNIVERSITY
(32) Priority Date	:NA	Address of Applicant :AMITY UNIVERSITY CAMPUS,
(33) Name of priority country	:NA	SECTOR-125, NOIDA-201303, UP, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DEEPSHIKHA PANDE KATARE
(87) International Publication No	:NA	2)HARSHA KHARKWAL
(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 formulation of a drug camptothecin using natural polymer (Cassia grandis biopolymer) nanoparticles target to cure small cell lung carcinoma and a method for preparation thereof. The effectiveness of the novel composition of the drug Camptothecin is used along with a protective carrier wherein a matrix is generated by the grandis biopolymer for sustained release of the drug which shows significant effect in the malignant area.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3474/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :02/12/2011

(43) Publication Date : 07/06/2013

(54) Title of the invention : ANTI-INSECT NYLON LEGS FOR REFRIGERATOR

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ABHINAV CHAUHAN KUNSTOCOM INDIA LIMITED
(32) Priority Date	:NA	Address of Applicant :KUNSTOCOM INDIA LIMITED E-
(33) Name of priority country	:NA	27,DEFENCE COLONY, 110024 Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ABHINAV CHAUHAN
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a light weight, durable insect repellant refrigerator leg. It also relates to a new and improved method of producing a refrigerator leg that is uniquely formed from the composite material. The refrigerator leg is made of a composition comprising catnip oil and lavender oil impregnated into the nylon/ plastic/thermoplastic polymer/ thermoplastic rubber. These refrigerator legs are suitable for having excellent efficiency in repelling insects.

No. of Pages : 10 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3497/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :05/12/2011

(43) Publication Date : 07/06/2013

(54) Title of the invention : CROSS LINKING CATALYST FROM CASHEW NUT SHELL LIQUID (CNSL)

(51) International classification	:H01K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC & INDUSTRIAL
(32) Priority Date	:NA	RESEARCH
(33) Name of priority country	:NA	Address of Applicant :ANUSANDHAN BHAWAN, RAFI
(86) International Application No	:NA	MARG, NEW DELHI-110001, INDIA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	1)PRAKASH PURUSHOTTAM WADGAONKAR
(61) Patent of Addition to Application Number	:NA	2)BHIMRAO DHONDIBA SARWADE
Filing Date	:NA	3)BHAUSAHEB VILAS TAWADE
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention describes a cross linking catalyst synthesized starting from 3-pentadecyl phenol obtained from Cashew Nut Shell Liquid (CNSL). A process for synthesis of the said catalysts is also described.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3495/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :05/12/2011

(43) Publication Date : 07/06/2013

(54) Title of the invention : HETEROTERPENOID CARBOXYLIC ACID AND DERIVATIVES AND A PROCESS FOR PREPARATION THEREOF

(51) International classification	:C07D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC & INDUSTRIAL
(32) Priority Date	:NA	RESEARCH
(33) Name of priority country	:NA	Address of Applicant :ANUSANDHAN BHAWAN, RAFI
(86) International Application No	:NA	MARG, NEW DELHI-110001, INDIA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	1)SHIVAJI NARAYAN SURYAWANSHI
(61) Patent of Addition to Application Number	:NA	2)SUMAN GUPTA
Filing Date	:NA	3)SANTOSH KUMAR
(62) Divisional to Application Number	:NA	4)MONIKA MITTAL
Filing Date	:NA	5)ADITYA

(57) Abstract :

The present invention relates to heteroterpenoid carboxylic acid and derivatives thereof of general formula 5 are given below. Where General formula 5 The compounds prepared are useful as anitileishmanial compounds and compounds have shown excellent in-vitro results and the in-vivo tests in hamster model. The synthesis of these compounds is simple, economically feasible, environmentally friendly and easily processable.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3496/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :05/12/2011

(43) Publication Date : 07/06/2013

(54) Title of the invention : RESIST FOR ELECTRON BEAM AND OPTICAL LITHOGRAPHY

(51) International classification	:G01K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC & INDUSTRIAL
(32) Priority Date	:NA	RESEARCH
(33) Name of priority country	:NA	Address of Applicant :ANUSANDHAN BHAWAN, RAFI
(86) International Application No	:NA	MARG, NEW DELHI-110001, INDIA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	1)MOHAN GOPALKRISHNA KULKARNI
(61) Patent of Addition to Application Number	:NA	2)DADASAHEB VITTHAL SANGAVE
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a first generation dendrimer comprising a core group and a peripheral moiety linked to the core wherein peripheral moiety has a functional group which has been chemically modified for a resist application.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3534/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :07/12/2011

(43) Publication Date : 07/06/2013

(54) Title of the invention : AN ORAL SUPPLEMENTATION FOR THE MANAGEMENT OF ANDROGENETIC ALOPECIA

(51) International classification	:F16D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)AKUMS DRUGS & PHARMACEUTICALS LIMITED
(32) Priority Date	:NA	Address of Applicant :304, MOHAN PLACE, LSC, BLOCK-
(33) Name of priority country	:NA	C, SARASWATI VIHAR, DELHI-34. India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SANJEEV JAIN
(87) 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 discloses an oral supplement containing Saw palmetto Extract, Green tea Extract, Nettle root Extract, Lycopene, Vitamin B6, Zinc, Vitamin B3, Vitamin B5, Biotin, Calcium and Magnesium, used for the prevention and as adjuvant therapy in androgenetic alopecia (male pattern baldness).

No. of Pages : 16 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3545/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :07/12/2011

(43) Publication Date : 07/06/2013

(54) Title of the invention : SIGNIFICANT EFFECT OF A CONSTITUENT, ISOLATED FROM PIPER LONGUM IN ELICITING LEISHMANICIDAL AND CYTOTOXIC ACTIVITY'

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)AMITY UNIVERSITY
(32) Priority Date	:NA	Address of Applicant :AMITY UNIVERSITY CAMPUS,
(33) Name of priority country	:NA	SECTOR-125, NOIDA-201303, Uttar Pradesh India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SABARI GHOSAL
(87) International Publication No	:NA	2)PRIYANKA MISHRA
(61) Patent of Addition to Application Number	:NA	3)SADHNA SINHA
Filing Date	:NA	4)PARUL TEWATIA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to the isolation of the bioactive compounds from P. longum by bioassay-guided fractionation for leishmanicidal as well as cytotoxic activity. The leishmanicidal activity of the bioactive compound is evaluated on promastigotes of Leishmania donovani (DD8), a causative agent of visceral leishmaniasis by MTT based in vitro assay while cytotoxic activity is evaluated on HL-60 (Human Leukemia) and PC-3 cell lines by MTT assay and cell cycle analysis. The present invention is also performed in silico study to identify a probable binding mode of these compounds against a novel drug target LdPTR1 (Leishmania donovani Pteridine reductase 1).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3553/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :07/12/2011

(43) Publication Date : 07/06/2013

(54) Title of the invention : ELECTRONIC COOKING APPARATUS

(51) International classification

:G12B

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) 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)TU TECHNOLOGY UNCORKED LLP

Address of Applicant :B-252, SUSHANT LOK 3, SECTOR
57, GURGAON, HARYANA 122001 India

(72)Name of Inventor :

1)MEENAKSHI VASHIST

2)DEEPAK CHATURVEDI

3)ANU ROHAJ

4)AMIT SANGWAN

(57) Abstract :

The present invention relates to home appliances. More specifically, it relates to electronic cooking apparatus used for pasteurization, boil over prevention and/or cooking management.

No. of Pages : 24 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3563/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :07/12/2011

(43) Publication Date : 07/06/2013

(54) Title of the invention : Polymorphic Study Process For Crystallization Of Sucrose

(51) International classification	:C08L	(71)Name of Applicant :
(31) Priority Document No	:NA	1)GUPTA Runjhun
(32) Priority Date	:NA	Address of Applicant :International College for Girls Gurukul
(33) Name of priority country	:NA	Marg Mansarovar Jaipur India
(86) International Application No	:NA	2)GUPTA Neelima
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)GUPTA Runjhun
(61) Patent of Addition to Application Number	:NA	2)GUPTA Raakhi
Filing Date	:NA	3)GUPTA Neelima
(62) Divisional to Application Number	:NA	4)TANDON Nitin
Filing Date	:NA	5)GUPTA Ashok

(57) Abstract :

Polymorphic study of sucrose and its purification without charcoal treatment.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3564/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :07/12/2011

(43) Publication Date : 07/06/2013

(54) Title of the invention : Synthesis Of Metal Complexes Of Cephalosporins And Their Antibacterial Studies

(51) International classification

:C25B

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) 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)TANDON Nitin

Address of Applicant :International College for Girls Gurukul

Marg Mansarovar Jaipur India

2)GUPTA Raakhi

(72)Name of Inventor :

1)TANDON Nitin

2)GUPTA Raakhi

3)GUPTA Neelima

4)SHARMA Charu

5)GUPTA Runjhun

6)GUPTA Ashok

(57) Abstract :

The Invention Novel metal complexes of cephalosporins their process and their antibacterial studies.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3526/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :05/12/2011

(43) Publication Date : 07/06/2013

(54) Title of the invention : SELF EMULSIFYING PHARMACEUTICAL COMPOSITION FOR ORAL DELIVERY OF QUERCETIN•

(51) International classification	:C12M	(71)Name of Applicant :
(31) Priority Document No	:NA	1)NATIONAL INSTITUTE OF PHARMACEUTICAL
(32) Priority Date	:NA	EDUCATION AND RESEARCH (NIPER)
(33) Name of priority country	:NA	Address of Applicant :Sector-67 S.A.S. Nagar Mohali
(86) International Application No	:NA	Punjab-160062 India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Sanyog Jain
(61) Patent of Addition to Application Number	:NA	2)Milind Pohekar
Filing Date	:NA	3)Amit Kumar Jain
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses a pharmaceutical composition of quercetin in self emulsifying drug delivery systems (SEDDS) for oral bioavailability enhancement. The said composition comprises quercetin an oily phase a surfactant and a co-surfactant wherein the composition upon contact with the biological fluids forms an emulsion with a droplet size of less than 200 nm. The composition also shows reduced nephrotoxicity and cardiotoxicity which is induced by cyclosporin A and doxorubicin respectively.

No. of Pages : 35 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3527/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :05/12/2011

(43) Publication Date : 07/06/2013

(54) Title of the invention : DISPOSABLE TRAY FOR SHARP INSTRUMENTS

(51) International classification	:B62B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SECRETARY DEPARTMENT OF BIOTECHNOLOGY
(32) Priority Date	:NA	Address of Applicant :Ministry of Science & Technology
(33) Name of priority country	:NA	Government of India Block 2 C.G.O. Complex Lodhi Road
(86) International Application No	:NA	New Delhi India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Agale Vishal
(61) Patent of Addition to Application Number	:NA	2)Pandey Sonakshi
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In one embodiment a disposable tray to organize surgical sharps is disclosed. The disposable tray is formed from a collapsible flat sheet structure having cuts and creases. When the sheet structure is folded the cuts and creases create separation for multiple surgical sharps and for retaining the surgical sharps in specific panels. The sheet structure can be manufactured from medical grade material such as but not limited to a medical grade paper a thin plastic sheet of Polypropylene (PP) Polyethylene polymer composites a paper mash or a fabric composite or a combination thereof.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3531/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :05/12/2011

(43) Publication Date : 07/06/2013

(54) Title of the invention : TRANSILLUMINATION DEVICE

(51) International classification	:B62B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SECRETARY DEPARTMENT OF BIOTECHNOLOGY
(32) Priority Date	:NA	Address of Applicant :Ministry of Science and Technology
(33) Name of priority country	:NA	Government of India Block 2 C.G.O. Complex Lodhi Road
(86) International Application No	:NA	New Delhi India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Agale Vishal
(61) Patent of Addition to Application Number	:NA	2)Kabra Chandni
Filing Date	:NA	3)Agrawal Megha
(62) Divisional to Application Number	:NA	4)Beesetty Ramakanteswara Rao
Filing Date	:NA	

(57) Abstract :

In an embodiment a transillumination device includes a power source a plurality of light emitters connected to the power source for individually emitting a halo of light. In an example high intensity light emitting diodes (LED) with deep penetrating property such as surface mounted device (SMD) are used as the light emitter.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3546/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :07/12/2011

(43) Publication Date : 07/06/2013

(54) Title of the invention : NANOCARRIERS OF NATURAL L-DOPA FOR THE TREATMENT OF PARKINSON'S DISEASE.

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)AMITY UNIVERSITY
(32) Priority Date	:NA	Address of Applicant :AMITY UNIVERSITY CAMPUS,
(33) Name of priority country	:NA	SECTOR-125, NOIDA-201303, Uttar Pradesh India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DEEPSHIKHA PANDE KATARE
(87) International Publication No	:NA	2)LOTIKA CHAWLA
(61) Patent of Addition to Application Number	:NA	3)DEVI DATT JOSHI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a novel formulation comprising L-Dopa standardized extract (Source: Mucuna purins seeds) in sesame oil as nanocarriers by emulsification technique. The in vitro drug release studies show prolonged and sustained release of L-Dopa from nanocarriers to treat the Parkinson's disease and ensure regular supply of dopamine to the brain tissues.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3547/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :07/12/2011

(43) Publication Date : 07/06/2013

(54) Title of the invention : SOFT INSECT REPELLENT BAND FOR KIDS.

(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)ABHINAV CHAUHAN

Address of Applicant :KUNSTOCOM INDIA LIMITED, E-27, DEFENCE COLONY, 110024 Delhi India

2)KUNSTOCOM INDIA LIMITED

(72)Name of Inventor :

1)ABHINAV CHAUHAN

(57) Abstract :

The present invention relates to a soft, light weight, durable insect repellent band for kids and small children. It also relates to a new and improved method for producing a band that is uniquely formed from the composite material. The composition is made of insect repellent material impregnated with thermoplastic material or similar thermoplastic polymerization product that is molded in the form of a band. These bands are suitable for having excellent efficiency in repelling insects.

No. of Pages : 9 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1198/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :12/04/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : A CONTAINER FOR ORAL RECONSTITUTION PRODUCTS

(51) International classification

:A61J1/20

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)PIRAMAL HEALTHCARE LTD.

Address of Applicant :PIRAMAL TOWER, GANPATRAO
KADAM MARG, LOWER PAREL, MUMBAI 400013,
MAHARASHTRA, INDIA.

(72)Name of Inventor :

1)RAJESH KUMAR MISHRA

2)BIKRAM BHOWMIK

3)ANAHITA KARANDE

4)AMIYA RANJAN PRADHAN

5)SHRIPAD JATHAR

6)N/A

(57) Abstract :

A simple, cost-effective and time-saving container for oral pharmaceutical reconstitution products is provided which obviates the conventional cumbersome process of oral reconstitution dosage preparation. The container includes a dual chambered vessel having a bottom chamber for storing a first constituent and a top chamber for storing a second constituent, a sealing plug snugly fitted at a neck of the vessel between the top and the bottom chamber for separating the first constituent from the second constituent, a cage insert for pushing the sealing plug out of the neck of the vessel, and an over cap screwed over male threads on a mouth of the vessel for sealably closing the vessel. The container is simple in construction, is cost-effective and saves time by doing away with the conventional method of reconstitution dosage preparation.

No. of Pages : 19 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1563/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :25/11/2011

(43) Publication Date : 07/06/2013

(54) Title of the invention : A METHOD OF DIGITAL WATERMARKING

(51) International classification	:G06K 9/00	(71)Name of Applicant : 1)MRS. JADHAV , SANGEETA D.
(31) Priority Document No	:NA	Address of Applicant :5,MARIGOLD, RAHUL CO-OP
(32) Priority Date	:NA	SOCIETY,RD NO-14C,VIDYANAGAR, PUNE-411032,
(33) Name of priority country	:NA	MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DR.BHALCHANDRA , ANJALI S.
(87) International Publication No	:N/A	2)MRS JADHAV , SANGEETA D.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention provides an apparatus and a method for optimizing the performance of digital image watermark embedding where the common requirements of watermarking, such as perceptual closeness of the watermarked image to the cover and recovery of the watermark in the presence of watermarking attacks are posed as the constraints. The invention is implemented using FPGA hardware - a digital color image-adaptive watermarking scheme in spatial and hybrid domain i.e. host image in wavelet domain and watermark in spatial domain. Blind Source Separation (BSS) method is used to extract the watermark.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1639/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :28/11/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : NOVEL PHARMACEUTICAL COMPOSITIONS OF ANTIFLATULENT WITH ANTACIDS AND PROCESS FOR PREPARING THE SAME

(51) International classification	:A61K31/80; A61K33/00	(71)Name of Applicant : 1)TROIKAA PHARMACEUTICALS LIMITED Address of Applicant :COMMERCE HOUSE-1, SATYA MARG, BODAKDEV, AHMEDABAD-380054, GUJARAT, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)PATEL, KETAN R.
(87) International Publication No	: NA	2)PATEL, MILAN R.
(61) Patent of Addition to Application Number	:NA	3)SHAH, PRAKASHCHANDRA J.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The condition wherein the stomach contains an excessive amount of hydrochloric acid is called as hyperacidity and is often associated with other conditions such as flatulence. The present invention provides formulations of antacids in combination with anti-flatulents suitable for the treatment of such conditions of hyperacidity and flatulence. The present invention provides compressed oral formulations of antacids in combination with antifatulents having improved efficacy and patient compliance wherein the formulations provide rapid disintegration when sucked/chewed mildly or when swallowed directly, without producing chalky taste in the mouth.

No. of Pages : 28 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1650/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : SKIN TREATMENT COMPOSITION

(51) International classification	:A61K8/31; A61K8/86	(71)Name of Applicant : 1)HINDUSTAN UNILEVER LIMITED
(31) Priority Document No	:NA	Address of Applicant :UNILEVER HOUSE, B.D. SAWANT
(32) Priority Date	:NA	MARG, CHAKALA, ANDHERI EAST, MUMBAI-400 099
(33) Name of priority country	:NA	MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)BARNE SAMEER KESHAV
(87) International Publication No	: NA	2)NAYAK KALPANA KAMALAKAR
(61) Patent of Addition to Application Number	:NA	3)PERINCHEERY ARAVINDAKSHAN
Filing Date	:NA	4)SAJI MAYA TREESA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention is in the field of skin hygiene, especially hand hygiene and/or hand soap compositions. It remains to be desired to prepare skin hygiene compositions having a high anti-microbial effect, with a low dosage of anti-microbial essential oils. It is therefore an object of the invention to provide a skin hygiene composition, having good anti-microbial properties, at low levels of essential oil. Surprisingly it has been found that composition comprising a low amount of essential oil and a polymer complex or mixture provides improved hygiene efficacy.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1063/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :31/03/2011

(43) Publication Date : 07/06/2013

(54) Title of the invention : A WALKING AID

(51) International classification	:A61H3/00
(31) Priority Document No	:1005590.3
(32) Priority Date	:01/04/2010
(33) Name of priority country	:U.K.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)Mr Brian Peter HATELEY

Address of Applicant :102 Garswood Road Garswood
Wigan WN4 0XS United Kingdom

(72)Name of Inventor :

1)Mr Brian Peter HATELEY

(57) Abstract :

A walking aid 9 comprising a body 4 which is attachable to a crutch is disclosed. The walking aid 9 provides a support aid to a user with an injured leg to allow said user to move around more easily. The walking aid 9 allows movement whilst maintaining stability of both itself and the user. The aid 9 is sufficiently strong enough to support the bodyweight of a user and the walking aid 9 allows a near-normal walking movement as only one crutch 2 is required to effect movement. The aid 9 is also adjustable such that it may be used by a variety of users of different heights and weights.

No. of Pages : 17 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1333/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :26/04/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : ANTIBIOTIC DISC DISPENSING DEVICES

(51) International classification	:C12M1/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SPAN BIOTRONICS PRIVATE LIMITED
(32) Priority Date	:NA	Address of Applicant :1, VATIKA 14, BAPISTA ROAD,
(33) Name of priority country	:NA	VILE PARLE(WEST) MUMBAI - 400056 MAHARASHTRA,
(86) International Application No	:NA	INDIA.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:N/A	1)PRASAD BHAGWATI
(61) Patent of Addition to Application Number	:NA	2)NAIK PRANAV
Filing Date	:NA	3)NARAPARAJU RAJEEV KRANTHI
(62) Divisional to Application Number	:NA	4)DESAI VEERAL
Filing Date	:NA	

(57) Abstract :

A disc dispensing clip comprising: a cartridge holding portion to receive a disc-loaded cartridge; an actuator to release at least one disc from the disc-loaded cartridge to a receiver; a locator to position the disc dispensing clip on a disc dispensing apparatus: and, a hollow well shaped region at the end of the locator to dispense at least one disc from the disc-loaded cartridge at a predetermined position on the receiver. The invention further relates to a disc dispensing assembly comprising at least one disc-loaded cartridge and at least one disc dispensing clip wherein the disc-loaded cartridge is positioned in the disc dispensing clip to enable dispensing of at least one disc from the disc-loaded cartridge.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1551/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :23/11/2011

(43) Publication Date : 07/06/2013

(54) Title of the invention : THROMBOLYTIC ENZYME AND ITS PREPARATION PROCESS

(51) International classification	:A61K 38/00	(71)Name of Applicant : 1)RATHOD VIRENDRA KISAN
(31) Priority Document No	:NA	Address of Applicant :DEPARTMENT OF CHEMICAL
(32) Priority Date	:NA	ENGINEERING, INSTITUTE OF CHEMICAL TECHNOLOGY
(33) Name of priority country	:NA	(DEEMED UNIVERSITY), NATHALAL PARIKH MARG,
(86) International Application No	:NA	MATUNGA (EAST), MUMBAI-400 019 Maharashtra India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)RATHOD VIRENDRA KISAN
(61) Patent of Addition to Application Number	:NA	2)AVHAD DEVCHAND NIVRUTEE
Filing Date	:NA	3)VANJARI SWAPNIL SHIVAJI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to the production process and purification of extracellular protein obtained from aerobic fermentation of *Bacillus sphaericus* MTCC 3672 which is having fibrinolytic activity. The novel enzyme is prepared in high purity was used to dissolve the blood clot. This invention also relates to the characterization of a thrombolytic enzyme with the help of MALDI-TOF, SDS-PAGE and fibrin zymography.

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

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :31/08/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : CONTAMINATION FREE CULTIVATION OF ALGAE

(51) International classification	:A01H13/00; A01H4/00	(71) Name of Applicant : 1)ABELLON CLEANENERGY LIMITED Address of Applicant :ABELLON CLEANENERGY LIMITED, 10TH FLOOR, SANGEETA COMLEX, NR. PARIMAL CROSSING, ELLISBRIDGE, AHMEDABAD-380 006, 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) Name of Inventor :
(87) International Publication No	: NA	1)PATEL PANKAJ
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Microalgae are ubiquitous and represent a genetic and metabolic diversity. Microalgae have been found to contain large quantities of high-value products, including chemicals, pharmaceuticals and nutraceuticals, and there is renewed interest in microalgae as a source of biofuels due to their ability to accumulate large amounts of lipids. As a result, much attention has been attracted to effective mass cultivation of microalgae, leading to the emergence of an important area, microalgal biotechnology. One important aspect of microalgal biotechnology is to develop functional foods and nutraceuticals from microalgae either by using the whole cells or by extracting functional ingredients from the algae. Consequently the development of a cost effective process for the large-scale production of microalgal biomass is of vital importance. For culturing microalgae different culture media have been in use depending on the organisms to be cultured. The methods for large-scale production of microalgae are broadly classified into Open and Closed-photo bioreactors. There are group ciliates present which are major threat during its large scale cultivation and major cause for complete loss of the alga within few days. Present investigation shows the effect of druge Quinine sulphate on ciliate and its complete removal without compromising with algal growth and biomolecule content.

No. of Pages : 12 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :01/06/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : CUTTER ASSEMBLY

(51) International classification	:A21C11/22; B23C3/00	(71)Name of Applicant : 1)VISHAN POPAT Address of Applicant :C/O DEPPAK POPAT, A/8 KAMALA PARK, VISHWAS COLONY, B/H NATIONAL PLAZA, ALLKAPURI, VADODARA, GUJARAT, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)VISHAN POPAT
(87) 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 manually operated cutter assembly. More particularly, it relates to a manually operated pizza cutter assembly with a centralized control system comprising a centre knob that drives the cutting blade downward during cutting periods. Most particularly, the subject invention provides a pizza cutter assembly which cuts the pizza into uniform slices and sprinkle extra toppings simultaneously when required.

No. of Pages : 17 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1715/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : MICROSPHERES AND PHOTOPROTECTIVE PERSONAL CARE COMPOSITION COMPRISING SAME

(51) International classification	:A61K8/11, A61K8/27, A61K8/29	(71) Name of Applicant : 1)HINDUSTAN UNILEVER LIMITED Address of Applicant :HINDUSTAN UNILEVER LIMITED, UNILEVER HOUSE, B.D. SAWANT MARG, CHAKALA, ANDHERI EAST, 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	(72) Name of Inventor :
Filing Date	:NA	1)GHOSH DASTIDAR SUDIPTA
(87) International Publication No	: NA	2)PALANISAMY BHARATH
(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 photoprotective cosmetic compositions comprising microspheres and a process to prepare them. In particular, the invention is especially effective in protecting the skin against visible solar radiation while ensuring a highly acceptable even skin tone and appearance. The present inventors have developed a microsphere with hollow interior and shell of a material having a specific optical property and specific thickness and coated with another material having a different specific optical property, a combination of which gives the microsphere surprising benefits both in terms of protection from the harmful sun rays while giving a pleasing skin appearance when these microspheres are incorporated in topical compositions.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1716/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : A PROCESS OF PREPARATION OF TEA

(51) International classification	:A23F3/06
(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)HINDUSTAN UNILEVER LIMITED

Address of Applicant :HINDUSTAN UNILEVER LIMITED,
UNILEVER HOUSE, B.D. SAWANT MARG, CHAKALA,
ANDHERI EAST, MUMBAI - 400 099, MAHARASHTRA,
INDIA.

(72)Name of Inventor :

1)GUTTAPADU SREERAMULU

2)MAMTANI KULDEEP BALRAM

3)PALAGIRI SWATHY

4)PENDEM ANJANEYULU

5)SAPLAY KISHOR MADHUKAR

6)SINGH GURMEET

7)SINKAR VILAS PANDURANG

(57) Abstract :

The present invention relates to a process of preparation of tea. It particularly relates to processing of green tea or white tea. Aroma of conventionally processed green or white tea is relatively poor in honey fruity and/or floral character. Green tea is relatively less liked by non-traditional consumers of green tea as the green tea (and instant green tea) has relatively less aroma. The present inventors have surprisingly found that green leaf tea obtained by a process involving a step of anaerobic incubation at specific temperature and for specific duration whilst avoiding certain steps provides end-cup aroma with specific aroma volatile compounds in specific mass ratios and consequently has an aroma with enhanced honey, floral and/or fruity notes and yet retains relatively high amount of catechins.

No. of Pages : 24 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1718/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : PROCESS FOR THE PREPARATION OF STATIN INTERMEDIATE

(51) International classification	:C07D 209/00	(71)Name of Applicant : 1)CADILA HEALTHCARE LIMITED
(31) Priority Document No	:NA	Address of Applicant :ZYDUS TOWER, SATELLITE
(32) Priority Date	:NA	CROSS ROAD, AHMEDABAD-380 015, GUJARAT, INDIA.
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)DAVE, MAYANK
Filing Date	:NA	2)PUJARA, MEHUL
(87) International Publication No	: NA	3)TRIVEDI, UMANG
(61) Patent of Addition to Application Number	:NA	4)PANDEY, BIPIN
Filing Date	:NA	5)RAJ, SANJEEV, KUMAR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses improved processes for the preparation of compound of formula (II), which is a metal salt of compound formula (I). The present invention also discloses certain stable metal salts of compound formula (II), which is one of the key intermediate for the preparation of statin drugs.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1734/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :15/06/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : PAPER CURRENCY HANDLING APPARATUS AND METHOD OF DEPOSITING PAPER CURRENCIES USING SAME•

(51) International classification	:G07D11/00	(71)Name of Applicant :
(31) Priority Document No	:2011-156255	1)HITACHI-OMRON TERMINAL SOLUTIONS CORP.
(32) Priority Date	:15/07/2011	Address of Applicant :6-3 Ohsaki 1-Chome Shinagawa-ku
(33) Name of priority country	:Japan	Tokyo Japan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Shuuji TANAKA
(87) International Publication No	: NA	2)Atsuko UOZUMI
(61) Patent of Addition to Application Number	:NA	3)Masayasu UENO
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A paper currency handling apparatus (101) associated with the present invention has a paper currency storage unit (50) which receives paper currencies a feeder port (30) which enters or dispenses paper currencies by opening or closing an inner shutter (36) and an outer shutter (35) a transport path (10x 40x 50x 60x 70x) which transports the paper currencies between the feeder port (30) and the paper currency storage unit (50) open/close control unit which controls open/close operations of the inner shutter (36) and the outer shutter (35) independently and paper currency posture modification unit (37) which modifies the posture of paper currencies present between the outer shutter (35) and the inner shutter (36).

No. of Pages : 22 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1651/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : LAUNDRY TREATMENT COMPOSITION

(51) International classification	:C11D3/40	(71)Name of Applicant :
(31) Priority Document No	:NA	1)HINDUSTAN UNILEVER LIMITED
(32) Priority Date	:NA	Address of Applicant :UNILEVER HOUSE, B.D. SAWANT
(33) Name of priority country	:NA	MARG, CHAKALA, ANDHERI EAST, MUMBAI-400 099
(86) International Application No	:NA	MAHARASHTRA, INDIA.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)BARNE SAMEER KESHAV
(61) Patent of Addition to Application Number	:NA	2)PERINCHEERY ARAVINDAKSHAN
Filing Date	:NA	3)RASTOGI ABHISHEK
(62) Divisional to Application Number	:NA	4)SAJI MAYA TREESA
Filing Date	:NA	5)SINHA ARCHANA

(57) Abstract :

The present invention relates to a method for treatment of a fabric with anti-microbial material. It further relates to compositions for depositing such anti-microbial material onto a fabric. It is an object of the invention to provide a laundry treatment composition, having good anti-microbial properties, at low levels of anti microbial agent. Surprisingly it has been found that composition comprising a low amount of quaternary ammonium biocide and a polymer complex provides improved and lasting hygiene efficacy, leading to reduced mal odour during wear.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1652/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : HARD SURFACE TREATMENT COMPOSITION

(51) International classification	:C11D 3/00; C11D3/18	(71)Name of Applicant : 1)HINDUSTAN UNILEVER LIMITED Address of Applicant :UNILEVER HOUSE, B.D. SAWANT MARG, CHAKALA, ANDHERI EAST, MUMBAI-400 099 MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)BARNE SAMEER KESHAV
(33) Name of priority country	:NA	2)NAYAK KALPANA KAMALAKAR
(86) International Application No	:NA	3)PERINCHEERY ARAVINDAKSHAN
Filing Date	:NA	4)SAJI MAYA TREESA
(87) 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 is in the field of hard surface cleaning, especially hard surface treatment for obtaining a lasting anti-microbial benefit It remains to be desired to prepare hard surface cleaning compositions having a high anti-microbial effect, even after longer time, with a low dosage of anti-microbial essential oils. It is therefore an object of the invention to provide a hard surface treatment composition, having good anti-microbial properties, at low levels of essential oil. Surprisingly it has been found that composition comprising a low amount of essential oil and a polymer complex provides improved anti-microbial efficacy.

No. of Pages : 23 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1653/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : SKIN TREATMENT COMPOSITION

(51) International classification	:A61K8/31; A61K8/81	(71)Name of Applicant : 1)HINDUSTAN UNILEVER LIMITED
(31) Priority Document No	:NA	Address of Applicant :UNILEVER HOUSE, B.D. SAWANT
(32) Priority Date	:NA	MARG, CHAKALA, ANDHERI EAST, MUMBAI-400 099
(33) Name of priority country	:NA	MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)BARNE SAMEER KESHAV
(87) International Publication No	: NA	2)NAYAK KALPANA KAMALAKAR
(61) Patent of Addition to Application Number	:NA	3)PERINCHEERY ARAVINDAKSHAN
Filing Date	:NA	4)SAJI MAYA TREESA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention is in the field of skin hygiene, especially hand hygiene and/or hand soap compositions. It remains to be desired to prepare skin hygiene compositions having a high anti-microbial effect, even with a low dosage of anti-microbial essential oils. It is therefore an object of the invention to provide a skin hygiene composition, having good anti-microbial properties, at low levels of essential oil. Surprisingly it has been found that composition comprising a low amount of at least two essential oils and a polymer provides improved hygiene efficacy.

No. of Pages : 19 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1711/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :12/06/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : COOLING WELDING HELMET

(51) International classification

:A61F9/06,
B23K9/32

(31) Priority Document No

:10-2011-
0098926

(32) Priority Date

:29/09/2011

(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)Park Han-Chul

Address of Applicant :255-1209 Siji Dongseo town A.P.T 41
Shinmae-ro Suseong-gu Daegu Republic of Korea.

2)PARK CHANG EUNG

(72)Name of Inventor :

1)Park Han-Chul

2)PARK CHANG EUNG

(57) Abstract :

Disclosed herein is a welding helmet worn by a welder so as to protect the welder from harmful light and gas generated when a welding operation is performed. The welding helmet includes a supply portion provided at an upper portion of the welding helmet so as to forcibly supply external air toward the welderTMs face and an exhaustion portion having a filter and sealing mechanism mounted therein so as to forcibly exhaust air exhaled by the welder while allowing the welder to inhale filtered air.

No. of Pages : 16 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1740/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :08/06/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : A MUFFLER MOUNT

(51) International classification	:F01N1/00	(71)Name of Applicant :
(31) Priority Document No	:NA	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)ABHAY C CHOUTHAI
(87) International Publication No	: NA	2)MRINAL PANDEY
(61) Patent of Addition to Application Number	:NA	3)DHAVAL D SALGAONKAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Embodiments of the disclosure are related to muffler packaging on vehicles and more particularly to the mounting arrangement of muffler in such systems. The muffler mount comprises plurality of U-type hanger (9) separated from each other by predetermined distance, said U-type hanger bent at desired place and joined on surface of box type bar (22)/plates (1 & 2) and at least one three-point triangular dampener (16) to insert the hangers (9) onto its two holes and muffler hanger (15) onto its lower hole provided at corners of the dampener (16).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1749/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :08/06/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : PROCESS FOR SYNTHESIS OF OLEODENDRONS AND THEIR USE AS POTENTIAL CHEMICAL PENETRATION ENHANCERS

(51) International classification	:C07C 69/66	(71)Name of Applicant :
(31) Priority Document No	:NA	1)AKAMANCHI KRISHNACHARYA
(32) Priority Date	:NA	GOVINDACHARYA
(33) Name of priority country	:NA	Address of Applicant :INSTITUTE OF CHEMICAL
(86) International Application No	:NA	TECHNOLOGY, MATUNGA (E), MUMBAI-400 019.
Filing Date	:NA	Maharashtra India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)AKAMANCHI KRISHNACHARYA
Filing Date	:NA	GOVINDACHARYA
(62) Divisional to Application Number	:NA	2)KALHAPURE RAHUL SADASHIV
Filing Date	:NA	

(57) Abstract :

Dendrons and the dendrimers are relatively new and unique class of molecules which play important role in the field of drug delivery. The properties which make them unique are tree like structure, monodispersity, unique size and spherical shape. This invention relates to the synthesis of novel first and second generation oleodendrons (oleic acid based dendrons) which may be called as dendrimers with possibility of structural modifications to get required hydrophilic and lipophilic balance and their use as potential chemical penetration enhancers in Transdermal Drug Delivery. Invention also discloses simple formula for Diclofenac gel for transdermal application using newly synthesized oleodendrons as permeation enhancers in it.

No. of Pages : 27 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1751/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :08/06/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : PAN-PEO GELS WITH IMPROVED CONDUCTANCE AND SOLVENT RETENTION

(51) International classification :H01M10/0565
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Indian Institute of Technology Bombay
Address of Applicant :IIT Bombay Powai Mumbai 400076
Maharashtra India
(72)Name of Inventor :
1)BALAJI Ramamurthy
2)KULKARNI Ajit R.
3)SRINIVASA Raman S.

(57) Abstract :

Disclosed are gel electrolytes comprising a polymer, which is polyacrylonitrile (PAN) and polyethylene oxide (PEO); a lithium salt; and a solvent, which is a carbonate solvent, a lactone solvent, or mixtures thereof.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1760/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :10/06/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : A METHOD FOR PREPARATION OF HIGHLY PURE ASIATICOSIDE COMPOSITION FROM CENTELLA ASIATICA AND A METHOD OF USE THEREOF

(51) International classification	:A61K36/23; A61K31/704	(71)Name of Applicant : 1)INDUS BIOTECH PRIVATE LIMITED Address of Applicant :1, RAHUL RESIDENCY, PLOT NOS. 6&7, OFF SALUNKE VIHAR ROAD, KONDHWA, PUNE-411 048, 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	1)SUNIL BHASKARAN
(87) International Publication No	: NA	2)MOHAN VISHWARAMAN
(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 discloses a commercially viable asiaticoside composition having at least 99% purity that is derived from plant Centella asiatica and a manufacturing process thereof. The present invention further teaches a method and the models for oral administration of therapeutically effective amount of the asiaticoside composition for treatment of Inflammatory Bowel Diseases such as Ulcerative colitis, Crohns disease and associated complications of inflammatory bowel diseases such as hemorrhoids, anal fissures, fistulas. The invention further provides a method and model for oral administration of therapeutically effective amount of the asiaticoside composition for treatment of Helicobacter Pylori. The invention further provides a method and the models for oral administration of therapeutically effective amount of the asiaticoside composition for prevention of colon cancer, gastric diseases and gastric carcinom

No. of Pages : 38 No. of Claims : 34

(54) Title of the invention : GENERATION OF ELECTRICITY AND WATER THROUGH MOTORCYCLE OR ANY OTHER AUTOMOBILE VEHICLE BY TAKING ROTATIONAL DRIVE FROM MAGNET COVER OF ANY ENGINE.

(51) International classification	:H02K 7/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SANTOSH ARVIND PRADHAN
(32) Priority Date	:NA	Address of Applicant :ARUNODAYA', PLOT NO. 51,
(33) Name of priority country	:NA	PIONEER HOUSING SOCIETY, SWAWLAMBI NAGAR,
(86) International Application No	:NA	NAGPUR 440025 Maharashtra India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:N/A	1)SANTOSH ARVIND PRADHAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

We have placed and align a shaft hub part 4 with an inbuilt keyway to the magnet cover of any engine of motorcycle 1 or of any other automobile vehicles by drilling it and later on fix it with the help of nut bolts or with the help of bolt by doing tapping operation in magnet cover for taking rotational drive. We have also made a keyway in the left crank and in the right crank and subsequently we have made step and keyway in the crank pin also to get the required torque. We have placed and align the keyway chabi / key to the left crank, right crank and to the crank pin. We have locked the gear shifter of the motorcycle 1 or any other automobile vehicles with the help of sheet metal lock so that it will not operate during the execution of the technology in stand by mode. We have attached one end of universal rotating joint 9 to the rotating shaft hub 4 of magnet cover with the help of key or commonly known as chabi of any motorcycle 1 or any other automobile vehicles and other end of the universal rotating joint 9 to the alternator assembly 6 for generating electricity or water pump assembly 6 for generating water. Water pump assembly 6 or Generator assembly 6 is being mounted on milled steel fabricated pipe stand 5 for better rigidity and to match the center distance of the rotating shaft hub 4 of magnet cover. We have installed and fix this Water pump assembly 6 or Generator assembly 6 to the motorcycle 1 or any other automobile vehicles with the help of nuts and bolts tightened to the brackets which are being welded on the motorcycle body 1 or any other automobile vehicles body. We have installed a small mechanism or regulator 12 to Increase or decrease the speed of accelerator. Water pump assembly 6 or Generator assembly 6 fixed or installed to the motorcycle engine or any other automobile vehicles will run on neutral basis i.e. there is no requirement of any gear box or chain mechanism or rear wheel to drive the Water pump assembly 6 or Generator assembly 6. Water pump assembly 6 or Generator assembly 6 is directly mounted on shaft hub assembly 4 of magnet cover or commonly know as engine of any motorcycle 1 or any other automobile vehicles. We have also done some modification in the exterior aluminum cover 3 of engine by doing boring operation. This boring operation is done to make a path for the shaft hub assembly 4 coming out from the magnet cover location. We have also attached a thick washer to the exterior aluminum cover 3 of engine with the help of rivets or with the help of nuts and bolts. We have placed a detachable hollow cup tube assembly for protecting from the revolving shaft hub assembly 4 coming out from the magnet cover. When ever we have to use the Water pump assembly 6 or Generator assembly 6 than we have to simply remove this detachable hollow cup tube assembly from the exterior aluminum cover 3 of engine of motorcycle 1 or any other automobile vehicles. Now as we have to perform the technology hence we have removed the detachable hollow cup tube assembly from the exterior aluminum cover 3. We have installed a foot valve at the bottom portion of the inlet pipe 7 or suction pipe fitted to the Water pump 6. We have also installed an outlet pipe 8 commonly called as delivery pipe to the Water pump location 6. We have filled the water in the inlet pipe 7 or suction pipe and water in the Water pump 6 from the plastic knob location. As soon as engine will start by adopting the above said mechanism we will set the speed of engine with the help of small mechanism or regulator 12 of accelerator. After reaching the desired speed alternator assembly 6 will start generating electricity and after reaching the desired speed water pump 6 will start giving water. We can also get the Electricity in running mode by placing and fixing Generator assembly 6 in the body of any motorcycle 1 or any other automobile vehicles by taking rotational drive from the shaft hub assembly 4 with the help of belt or chain placed at the magnet cover location. We can also get the Electricity in stand by mode by placing and fixing Generator assembly 6 in the body of any motorcycle 1 or any other automobile vehicles by taking rotational drive from the shaft hub assembly 4 with the help of belt or chain placed at the magnet cover location. We can also get the water in stand by mode by placing and fixing Water pump assembly 6 in the body of any motorcycle 1 or any other automobile vehicles by taking rotational drive from the shaft hub assembly 4 with the help of belt or chain placed at the magnet cover location as mentioned above.

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1775/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : BIMETALLIC MANGANESE OXIDE OCTAHEDRAL MOLECULAR SIEVE CATALYSTS (M1M2-OMS-2) FOR HYDROGENOLYSIS REACTION

(51) International classification	:C01B 37/00; C01B 39/00; C07C29/60	(71)Name of Applicant : 1)YADAV GANAPATI DADASAHEB 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	(72)Name of Inventor :
(32) Priority Date	:NA	1)YADAV GANAPATI DADASAHEB
(33) Name of priority country	:NA	2)CHANDAN PAYAL ARVIND
(86) International Application No	:NA	3)TEKALE DEVENDRA PANDURANG
Filing Date	:NA	4)MOTIRALE BHAVANA GANESH
(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 novel bimetallic manganese oxide octahedral molecular sieve (M1-M2- OMS-2) based catalyst and its synthesis wherein octahedral molecular sieve type two is doped with at least two metals other than manganese oxide.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1878/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :25/06/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : PARK BRAKE ACTUATION MECHANISM

(51) International classification

:B60T13/00,
F16D65/00

(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)DEERE & COMPANY

Address of Applicant :ONE JOHN DEERE PLACE,
MOLINE, ILLINOIS, 61265 - 8098, U.S.A.

(72)Name of Inventor :

1)SUNIL NAIR

2)PRAVEEN KUMAR RAGHAVAN

3)PRASHANT RAO

(57) Abstract :

This invention relates to a park brake actuation mechanism with at least one actuation means and least one resilient unit. Said actuation means comprises at least one operating means to operate the resilient unit, said operating means is provided with a provision to engage and disengage with a fixed part of the said actuation means. The fixed part is provided with a provision to accommodate the operating means during its engagement and disengagement. The operating means is held in its position through a pivot assembly provided on the said fixed part of the mechanism. The resilient unit is a push - pull type unit and is provided with yoke members at its both ends to facilitate its easy attachment with other units. Said resilient unit is supported on one or more supporting means. One end of the said resilient unit is connected to the pivot assembly of the actuation means through the yoke member and other end is connected to a pawl member of a brake pedal through the yoke member.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1827/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :18/06/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : NOVEL ORAL TIME CONTROLLED FORMULATIONS COMPRISING PAIN ALLEVIATING AGENTS

(51) International classification	:A61K 31/00; A61K 31/196	(71)Name of Applicant : 1)SHAH RAJEN Address of Applicant :4/12 KUMAR CITY KALYANI NAGAR OFF NAGAR ROAD PUNE 411 014 Maharashtra India 2)BOTHRA DINESH
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)SHAH RAJEN
(33) Name of priority country	:NA	2)BOTHRA DINESH
(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	

(57) Abstract :

Disclosed is pharmaceutical composition capable of releasing a therapeutically effective dose of active agent, e.g., diclofenac sodium, in a time-controlled manner. To achieve the desired objective the composition makes use of an osmotically active agent and semi-permeable film coatings. The weight percentage of the osmotically active agents in the tablet and the composition and thickness of the film coatings can be manipulated to achieve the desired time of release.

No. of Pages : 17 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1966/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :09/07/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : INTELLIGENT ENERGY METERING SYSTEM

(51) International classification	:G01R21/06; G01R19/00	(71)Name of Applicant : 1)SHRI. GAJANAN INVENTION & ADVANCED RESEARCH CENTRE
(31) Priority Document No	:NA	Address of Applicant :SSGM COLLEGE OF
(32) Priority Date	:NA	ENGINEERING, SHEGAON, AT POST: SHEGAON, DIST:
(33) Name of priority country	:NA	BULDHANA, 444 203, MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MR. KHEDKAR M. K.
(87) International Publication No	:N/A	2)DR. DHOLE G. M.
(61) Patent of Addition to Application Number	:NA	3)MR. WARKAD S. B.
Filing Date	:NA	4)MR. PARASKAR S. R.
(62) Divisional to Application Number	:NA	5)DR. DHOLE G. M.
Filing Date	:NA	

(57) Abstract :

The patent relates to an energy meter with improved reading and billing characteristics, said energy meter comprising current monitoring means adapted to monitor the amount of flow of current through said energy meter through both live wire and neutral wire; an intelligent processor means to control and display of output by using VHDL programming /or programmable Microcontroller; digitization means adapted to digitize the amount of said monitored current flow to a numerical reading for calculation purposes; tamper-detection means adapted to detect pre-fed types of tampering attempts; correction means adapted to correct said monitored amount of current flow upon detection of a tampering in accordance with said pre-fed type of tampering attempts; and clock means adapted to clock the times in relation to the amount of monitored current flow to detect patterns of flow.

No. of Pages : 38 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1990/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : A COMPOSITION AND A PROCESS TO OBTAIN WATER AND OIL REPELLING-WRINKLE FREE GARMENT

(51) International classification	:D05B1/18; D05B35/00	(71)Name of Applicant : 1)ADITYA BIRLA NUVO LIMITED
(31) Priority Document No	:NA	Address of Applicant :Indian Rayon Compound 362 266
(32) Priority Date	:NA	Veraval Gujarat India.
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)DEBASHIS BHADRA
Filing Date	:NA	
(87) 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 disclosure relates to a composition comprising DMDHEU resin, resin catalyst, fluoro carbon, fluoro carbon extender and polyalkyne to obtain oil and water repelling, wrinkle free cotton garment. The present disclosure further relates to a method of obtaining said composition along with a process of obtaining the oil and water repellent-wrinkle free garment. Further, in another embodiment, the instant disclosure also relates to the treated garment.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2003/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :13/07/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : AN INSERT FOR ORTHOGONALLY CONNECTING DIFFERENT PROFILES

(51) International classification	:E05D7/10; E05D11/08	(71)Name of Applicant : 1)AJITH KRISHNAN
(31) Priority Document No	:NA	Address of Applicant :L-146, MIDC, AHMEDNAGAR-
(32) Priority Date	:NA	414111, MAHARASHTRA, INDIA.
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)AJITH KRISHNAN
Filing Date	:NA	
(87) 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 window, door or cabinet assembly (hereinafter referred to as assembly) is provided. The assembly includes a plurality of multi-track guide rails, a plurality of main frame connectors and a laminar structure supporting frame assembly. The multi-track guide rails define channels there-between. The multi-track guide rails are operatively orthogonally abutting each other to form a multi-track guide rail set. Each main-frame connector of the plurality of main frame connectors is having a horizontally extending arm and a vertically extending arm. The horizontally extending arm and the vertically extending arm are orthogonally disposed with respect to each other to define a corner. Further, the horizontally extending arm and the vertically extending arm also include a plurality of spaced apart ribs adapted to be received in the channels and connect the multi-track guide rail set. The abutment between adjacent multi-track guide rails recesses in the corner.

No. of Pages : 45 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1951/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : PTO SHIELD ASSEMBLY WITH ADJUSTABLE HITCH HEIGHT

(51) International classification	:B60K17/28; B60K 25/00	(71) Name of Applicant : 1)DEERE & COMPANY Address of Applicant :ONE JOHN DEERE PLACE, MOLINE, ILLINOIS, 61265-8098, U.S.A.
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)JAYATH MENON
(33) Name of priority country	:NA	2)SANDEEP CHATTERJEE
(86) International Application No	:NA	3)VARINDER SINGH BEDI
Filing Date	:NA	4)VINOD MAHAJAN
(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 :

PTO shield assembly with adjustable hitch height for a work vehicle as provided herein comprises a top plate (1) and two side walls so as to shield a PTO shaft (8) at least from three sides, wherein the shield assembly is mounted on a hitch support bracket attached to the rear of the work vehicle and is attachable to a wagon hitch. The hitch support bracket has plurality of mounting holes. The two side walls on the shield assembly include a plurality of mounting holes corresponding to the mounting holes provided in the hitch support bracket and the mounting holes provided in said side walls of shield assembly and said hitch support bracket adapted to adjust the hitch height according to the implement.

No. of Pages : 14 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1984/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : SYSTEM FOR OPTIMIZING AND CONTROLLING PARTICLE SIZE DISTRIBUTION AND FOR SCALE-UP OF NANOPARTICLE PRODUCTION IN AN AEROSOL FLAME REACTOR

(51) International classification	:C01F7/30; C01B33/18	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TATA CONSULTANCY SERVICES LIMITED
(32) Priority Date	:NA	Address of Applicant :NIRMAL BUILDING, 9TH FLOOR,
(33) Name of priority country	:NA	NARIMAN POINT, MUMBAI 400021, MAHARASHTRA,
(86) International Application No	:NA	INDIA.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:N/A	1)VENKATARAMANA RUNKANA
(61) Patent of Addition to Application Number	:NA	2)VENKATA SUDHEENDRA BUDDHIRAJU
Filing Date	:NA	3)NAGARAVI KUMAR VARMA NADIMPALLI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a system for optimizing and controlling the particle size distribution and scale-up of production of nanoparticle in an aerosol flame reactor. The method provides nanoparticles with desired, optimized and controlled particle size and the specific surface area in aerosol reactors using a simulation tool with programmed instructions. The said simulation tool couples flame dynamics model and particle population balance model.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2036/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :15/07/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : A PROCESS FOR PREPARATION OF N, N-DIALKYL AROMATIC AMINES AND A CATALYST THEREOF AND PREPARATION PROCESS OF THE CATALYST

(51) International classification	:C07B 43/00; B01J 27/00	(71)Name of Applicant : 1)DEEPAK NITRITE LIMITED Address of Applicant :CORPORATE OFFICE, DEEPAK COMPLEX, NATIONAL GAMES ROAD, YERAWADA, PUNE-411 006, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)PANDURANG NAGNATH HONKHAMBE
(33) Name of priority country	:NA	2)SUBHASH RAJARAM KADAM
(86) International Application No	:NA	3)HEMENDRA BHUPENDRA PANCHOLI
Filing Date	:NA	4)SUNIL SADASHIV DIVEKAR
(87) International Publication No	:N/A	5)PRASAD DATTATRAYA PANGARKAR
(61) Patent of Addition to Application Number	:NA	6)HARICHANDRA LAXMIKANT CHAUDHARI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A process for preparation of N, N-dialkyl aromatic amines comprising step of reacting aromatic amine with alcohol in vapor phase at an elevated temperature in presence of -alumina catalyst being treated with ammonia or aliphatic amine.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2043/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : TORSION SPRING BASED LOAD ADJUSTMENT SYSTEM

(51) International classification	:B60G 11/00; B60G 11/18	(71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L&T HOUSE, BALLARD ESTATE, P.O. BOX NO. 278, MUMBAI, 400 001, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)ROHIT C GADGIL
(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	

(57) Abstract :

A torsion spring based load adjustment mechanism comprising a torsion spring, a load of defined weight, a screw attached to the load, a bracket to hold the screw and the load; and a pin to guide the spring to the bracket. The torsion spring is provided with a unique preset profile reduces the spring hysteresis during a spring deflection. The torsion spring includes the preset profile of an open wound torsion spring. The open wound torsion spring includes spacing between each inter-turn of the coil and the pitch of the open wound torsion spring is higher than the wire diameter. The screw is rotated in at least one of clockwise direction and anticlockwise direction to increase or decrease the torsion spring deflection for load adjustment.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2044/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : A TERMINATION MODULE ASSEMBLY FOR A CIRCUIT BREAKER

(51) International classification	:H01H 71/08; H01H 73/00	(71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L&T HOUSE, BALLARD ESTATE, P.O. BOX NO. 278, MUMBAI, 400 001, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)MEGHA SHARMA
(33) Name of priority country	:NA	2)SEENA CHANDRAN
(86) International Application No	:NA	3)YOGESH N. PATIL
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 various embodiments of the present invention provide a termination module assembly for a Circuit Breaker (CB).The assembly includes one or more circuit breaker terminals, a pitch variation supporter that is mounted on the CB terminals and one or more terminal modules that are assembled to one or more poles of the circuit breaker. The assembly includes at least one flexible component provided in each of the circuit breaker terminals. The flexible component is used to provide a desired value of a pitch between the adjacent poles of the circuit breaker to reduce the number of joints and a contact resistance at a termination in the termination module assembly. Each terminal module includes a nut plate, a slot to hold the nut plate, a box clamp for a bare cable electrical termination and a knockout for a rear end electrical termination of the circuit breaker.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2025/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : SYSTEM AND METHOD FOR LOGGING OF DISTANCE TRAVELLED BY VEHICLE IF MALFUNCTION IS DETECTED•

(51) International classification	:G07C5/00; G07B 15/00	(71)Name of Applicant : 1)TATA MOTORS LIMITED 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	1)VISHWAS VAIDYA
(33) Name of priority country	:NA	2)VRUSHALI NAWALE
(86) International Application No	:NA	3)ARAVIND K. SINGH
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method and system for reliable logging of distance travelled by vehicle if malfunction in emission system is detected is described. Also, the increasing of endurance capacity of non-volatile memory by counting the actual endurance of each byte in use and then shifting the memory address location to next address location if endurance of that particular byte reaches the specification.

No. of Pages : 20 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2037/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :15/07/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : APRON FUEL MANAGEMENT SYSTEM

(51) International classification	:B64F	(71)Name of Applicant :
	1/00	1)BHARAT PETROLEUM CORPORATION LIMITED
(31) Priority Document No	:NA	Address of Applicant :BHARAT BHAWAN, 4 & 6
(32) Priority Date	:NA	CURRIMBHOY, BALLARD ESTATE, MUMBAI-400 001,
(33) Name of priority country	:NA	MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)BHATNAGAR P. P.
(87) International Publication No	:N/A	2)SINGH MANBIR
(61) Patent of Addition to Application Number	:NA	3)KAUSHIK A. K.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The method and system of the invention discloses an aircraft/apron fuel management system for downloading of flight chart related data on real time basis; data capturing device (firmware called signal converter) to capture fuelled quantity without manual intervention; integration with two or more numbers of mechanical metering device through pulsar; integration with safety device to control dead man controller (DMC); integrated reset switches; generation of fuel delivery note (FDN) on real-time basis; generation of circulation note, transfer note on real-time basis; uploading FDN on real-time basis to web server; updating of flight schedule chart on real-time basis for central monitoring; tight coupling with web server; tight coupling with SAP SD Module.

No. of Pages : 36 No. of Claims : 15

(54) Title of the invention : A HERBAL COMPOSITION (HC9) FOR THE TREATMENT OF BREAST CANCER

(51) International classification :A61K36/00 (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :NA (87) International Publication No :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)DR. RUCHIKA KAUL-GHANEKAR Address of Applicant :INTERACTIVE RESEARCH SCHOOL FOR HEALTH AFFAIRS (IRSHA), BHARTI VIDYAPEETH UNIVERSITY, KATRAJ-DHANKAWADI, PUNE-411043, MAHARASHTRA, INDIA TEL: +91-20- 24366929/24366931 FAX: +91-20-24366929/24366931 MOBILE NO: 09860200825 EMAIL: ruchika.kaulghanekar@gmail.com kaul_r@yahoo.com Maharashtra India 2)DR. OMKAR KULKARNI 3)SNEHAL A SURYAVANSHI (72)Name of Inventor : 1)DR. RUCHIKA KAUL-GHANEKAR 2)DR. OMKAR KULKARNI 3)SNEHAL A SURYAVANSHI
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(57) Abstract :

A herbal composition consisting of nine different plant materials (HC9) that include Cyclea peltata, Zingiber officinale, Cedrus deodar, Cyperas rotundas, Tinospora cordifolia, Holarrhena antidysentrica, Swertia chirata, Gentiana chirayita, Picrorrhiza kurroa and Hemidesmus indicus. The herbal composition could be used in the promotion of good health and is also useful for the treatment or prevention of oxidative stress and cancers including benign outgrowths. The composition could be particularly used for prevention or treatment of breast cancer and breast related disorders. The invention includes a method of treatment using a herbal composition as described.

No. of Pages : 27 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2039/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : A HERBAL COMPOSITION (FC) FOR THE TREATMENT OF CERVICAL CANCER

(51) International classification :A61K36/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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2)AMIT SUBASH CHOUDHARI

3)SOUMYA JAYANT KOPPIKAR

(72)Name of Inventor :

1)DR. RUCHIKA KAUL-GHANEKAR

2)AMIT SUBASH CHOUDHARI

3)SOUMYA JAYANT KOPPIKAR

(57) Abstract :

A herbal composition consisting of Ficus sp. and Cinnamomum sp. is claimed that is therapeutically effective. The herbal composition could be used in the promotion of good health and for the prevention or treatment of gynecological disorders and infectious diseases but is also useful for the treatment or prevention of cancers including benign outgrowths. This composition could be particularly used for prevention or treatment of cervical cancer as well as for prevention of oxidative stress. The invention includes a method of treatment using a herbal composition as described.

No. of Pages : 28 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2049/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : TRACTOR OPERATED COTTONSTALK UPROOTING MACHINE

(51) International classification	:A01G 23/02; A01G 23/06	(71)Name of Applicant : 1)CENTRAL INSTITUTE FOR RESEARCH ON COTTON TECHNOLOGY Address of Applicant :ADENWALA ROAD, MATUNGA, MUMBAI - 400 019, MAHARASHTRA, INDIA. 2)RAJI ELECTRICALS AND ENGINEERING
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)TACHAPARAMBIL SANKARA PILLAI
(33) Name of priority country	:NA	MANOJKUMAR
(86) International Application No	:NA	2)ARUDE VISHNU GOVIND
Filing Date	:NA	3)SUJEET KUMAR SHUKLA
(87) International Publication No	: NA	4)RAVINDRA NAIR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Cotton stalks have huge potential for preparation of value added products. But non availability of appropriate uprooting machine leads to disposing cotton stalks in the field itself either by burying or burning. The manual uprooting of cotton stalks is laborious and tedious job and lot of human energy is involved in it. Therefore a Tractor Operated Cotton Stalks Uprooting Machine has been developed. It employs the principle of two counter rotating rollers and a coil spring and pivot mechanism for exerting the pressure on the rollers. It comprises of two counter rotating solid rubber rollers out of which one is drive roller and idler roller is close contact with each other for uprooting the cotton stalks. The drive roller is mounted on a cantilever portion of shaft which is mounted on two bearings and driven by the tractor PTO. The idler roller is mounted on a cantilever portion of shaft which is hinged to the main frame. A mechanism for applying pressure between the rollers for gripping the cotton stalks by means of one or more coil springs is mounted and compressed against main frame which in turn applies the required pull on the lower portion of the hinged shaft through a connecting rod. It also consists of a mechanism consisting of guide plates provided under the mainframe for diverting the cotton stalks to position themselves at the centre of the rollers.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2045/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : CONTACT SYSTEM FOR A MOULDED CASE CIRCUIT BREAKER

(51) International classification	:H01H 1/06; H01H 71/50	(71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L&T HOUSE, BALLARD ESTATE, P.O. BOX NO. 278, MUMBAI, 400 001, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)NAYAN B. DEGDA
(33) Name of priority country	:NA	2)MUKESH L. NIMANI
(86) International Application No	:NA	3)AMIT CHATURVEDI
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 various embodiments of present invention provide a contact system for a Moulded Case Circuit Breaker. The system includes a fixed contact attached with a fixed contact button, a moving contact attached with a moving contact button, an arc chamber, a plurality of arc runners provided with a plurality of de-ion plates to extinguish an arc formed between the fixed and the moving contact buttons. The chamfers are created on the fixed and the moving contact buttons to form the divergent type contact buttons for a fast movement of the arc from the contact buttons towards the arc runner for reducing an arcing time. A diverging angle ranging between 50° and 90 is formed between the fixed and the moving contact buttons for a smooth movement of the arc towards the arc runner.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2046/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : SLOT MOTOR ASSEMBLY FOR CIRCUIT BREAKERS

(51) International classification	:H01H77/00; H01H77/10	(71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L&T HOUSE, BALLARD ESTATE, P.O. BOX NO. 278, MUMBAI 400 001, 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	1)NAYAN B. DEGDA
(87) International Publication No	:N/A	2)MUKESH L. NIMANI
(61) Patent of Addition to Application Number	:NA	3)AMIT CHATURVEDI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The various embodiments of the present invention provide a contact assembly for molded case circuit breaker with an arc chute assembly, a moving contact, a fixed contact and a slot motor assembly. The slot motor assembly is provided with a plurality of slot motor laminations to generate a magnetic field so as to enhance the magnetic pull on the moving contact to increase the contact separation speed. The pluralities of slot motor laminations are U-shaped and are designed with a defined length and cross-sectional area to create a maximum pull on the moving contact. The slot motor assembly includes a slot motor housing and a slot motor cover.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2047/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : UPPER CONTACT ASSEMBLY IN MOULDED CASE CIRCUIT BREAKER

(51) International classification	:H01H 73/00	(71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L&T HOUSE, BALLARD ESTATE, P.O. BOX NO. 278, MUMBAI 400 001, 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	1)NAYAN B. DEGDA
(87) International Publication No	:N/A	2)MUKESH L. NIMANI
(61) Patent of Addition to Application Number	:NA	3)AMIT CHATURVEDI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The various embodiments of the present invention provide an improved upper contact assembly with an arc puller of a molded case circuit breaker. The upper contact assembly of a molded case circuit breaker includes an arc chute assembly, an upper contact, a contact button, a U-shaped slot provided in the upper contact and an arc puller arranged inside the U-shaped slot. The present invention consists of a magnetic material placed inside the U slot to act as an arc puller. The arc puller includes a pre-set profile such that the arc puller pulls an arc away from the contact button thereby distributing the arc equally to the de-ion plates in the arc chute assembly. This invention enhances the circuit breakers breaking capacity by faster arc movement from contact buttons thereby increasing a life of the circuit breaker and enhancing performance during the fault conditions.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2052/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : PROCESS FOR THE PRODUCTION OF HUMAN GROWTH HORMONE

(51) International classification	:C12N 15/00; C12N 15/09; C12N 9/00	(71)Name of Applicant : 1)INTAS BIOPHARMACEUTICAL LTD Address of Applicant :INTAS BIOPHARMACEUTICAL LTD., PLOT NO.423/P/A/GIDC, SARKHEJ - BAVLA HIGHWAY, MORAIYA, AHMEDABAD-382210, GUJARAT. INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)MR. ARLAGADDA LAKSHMANA KUMAR
(33) Name of priority country	:NA	2)MS. THAKAR MAUSAMI
(86) International Application No	:NA	3)TUNGA RASHBHERI
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 invention relates to a fed-batch fermentation process for high level production of recombinant human growth hormone (rhGH) and its analogs in the form of inclusion bodies. The high level production of inclusion bodies can be achieved by the specific type of fed batch strategy which includes maintaining the particular DO level during an induction phase and the growth phase and the production of rhGH is induced by increasing the fermentation temperature.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2056/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : SUGAR CONDENSATE RECOVERY PROCESS (SCR) FOR HEAT EXTRACTION AND RECYCLING OF CONDESATE TO COOLING TOWER & HIGH PRESSURE BOILER

(51) International classification	:C07H 1/00; C07H 3/00	(71)Name of Applicant : 1)ION EXCHANGE (INDIA) LIMITED. Address of Applicant :ION HOUSE, DR. E. MOSES ROAD, MAHALAXMI, MUMBAI-400 011, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)MR. SANTOSH BHAU REDEKAR
(33) Name of priority country	:NA	2)DR. RAJESH RANJEET SINGH
(86) International Application No	:NA	3)MR. PRASHANT CHITNIS
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 :

Sugar Condensate Recovery (SCR) Process is a process/technology for the treatment of sugar condensate rich in organics and dissolved solids. The sugar condensate is generated during the sugar juice concentration in the multiple effect evaporator bodies. The sugar condensate is approximately 70-75% of cane crushed in the works. The temperature of sugar condensate ranges from 65-85 deg C. The process involves heat exchanger for heat recovery and reducing the temperature of the condensate, biological reactor for removal of nitrogen and organics, media filter for removal of suspended solids, activated carbon filter for polishing, and demineralization unit for reduction of dissolved solids. With SCR process, it is possible to achieve the desired qualities required for cooling tower and boiler make up water. The process also results in heat recovery and saving in energy.

No. of Pages : 10 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2112/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : PURE COMPOUNDS

(51) International classification

:C07D
239/94

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: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)MYLAN INDIA PRIVATE LIMITED

Address of Applicant :PLOT 1A/2, M.I.D.C. INDUSTRIAL
ESTATE, TALOJA, PANVEL, DISTRICT RAIGAD, STATE OF
MAHARASHTRA-410208, MAHARASHTRA, INDIA.

(72)Name of Inventor :

1)GORE VINAYAK

2)TIPATHI ANILKUMAR

3)JADHAV MADHAV

(57) Abstract :

A process the preparation of pure salts and polymorphs thereof.

No. of Pages : 27 No. of Claims : 58

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2113/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : A UNIQUE INSTRUMENT FOR DETERMINATION OF ANGLE OF REPOSE

(51) International classification	:F16K5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)BHUSHAN S. NILAWAR
(32) Priority Date	:NA	Address of Applicant :WARD NO.1, AT & TQ.ARNI, DIST.
(33) Name of priority country	:NA	YAVATMAL, MAHARASHTRA, INDIA.
(86) International Application No	:NA	2)TUSHAR A. PREMCHANDANI
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:N/A	1)BHUSHAN S. NILAWAR
(61) Patent of Addition to Application Number	:NA	2)TUSHAR A. PREMCHANDANI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Designing a simple apparatus for measurement of unique properties of material has gained considerable importance in last few years. Tablets has became most convenient dosage form due to its high patients compliance. Formulation of tables involves a combination of different unit operations. Before subjecting blend to the final compression certain physical parameters of the blend are to be evaluated and one of them is flowbility, as plug flow and excessive flow could result in to variability in doses. In order to characterize the flow property determination of angle of repose is done to rate the blends flowability . The conventional method of determination of angle repose is very tedious, biased and non reproducible depends on skill of operator. The claimed Instrument is free from all the above disadvantages and determination can be done within few minutes.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2131/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :27/07/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : VEHICLE BONNET STRUCTURE FOR PEDESTRAIN PROTECTION

(51) International classification	:B60R 21/34; B62D 25/10	(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.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)SUDESH VINAYAK KAISARE
(33) Name of priority country	:NA	2)SURESH RAGHUNATH KALE
(86) International Application No	:NA	3)RITESH KUMAR JAIN
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 invention relates to the vehicle bonnet structure for pedestrian protection. The vehicle bonnet comprises outer panel between front end and wind shield of vehicle. An inner panel disposed and secured along the entire region of a reverse surface of the said outer panel. The plurality of Semi-spherical configurations having the plurality of cuts on the periphery are provided on the inner panel of the bonnet. A bead is provided on the top of each of the said semispherical structure. The said semi-spherical structure with bead accommodated between said inner panel and outer panel.

No. of Pages : 10 No. of Claims : 7

(54) Title of the invention : COUNTER FLOW HEAT EXCHANGER FOR A MINIATURE JOULE-THOMSON CRYOCOOLER

(51) International classification	:F28D7/00; F28D7/12	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
(32) Priority Date	:NA	Address of Applicant :POWAI, MUMBAI 400 076,
(33) Name of priority country	:NA	MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ATREY MILIND DIWAKAR
(87) International Publication No	:N/A	2)GANDHI PRASANNA SUBHASH
(61) Patent of Addition to Application Number	:NA	3)PHATAK GIRISH JAYANT
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Counter flow heat exchanger for a miniature Joule-Thompson cryocooler. The heat exchanger (1) comprises a body (2) formed of a bottom sheet (3), a second sheet (4), a third sheet (5), a fourth sheet (6) and a top sheet (7). All the sheets are made of low temperature cofired ceramics and stacked one above another and fused together. The second sheet comprises a low pressure flow channel (8) along the length thereof terminating in an inflow hole (9a) at one end thereof and in an outlet hole (10a) at the other end thereof. The third sheet comprises an inflow hole (9b) at one end thereof corresponding to and matching with the inflow hole in the second sheet and an outlet hole (10b) at the other end thereof corresponding to and matching with the outlet hole in the second sheet. The fourth sheet comprises a high pressure flow channel (11) along the length thereof, an inflow hole (9c) at one end thereof corresponding to and matching with the inflow hole in the third sheet and spaced apart from corresponding one end of the high pressure flow channel, an inlet hole (12a) terminating at the inception of the high pressure flow channel and an outlet hole (10c) corresponding to and matching with the outlet hole in the third sheet and spaced apart from the inlet hole in the fourth sheet. The top sheet comprises an inlet hole (12b) corresponding to and matching with the inlet hole in the fourth sheet and an outlet hole (10d) corresponding to and matching with the outlet hole in the fourth sheet and a narrow flow path (11a) between the fourth sheet and top sheet communicating with said one end of the high pressure flow channel and the inflow hole in the fourth sheet

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.205/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :25/01/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : A LEAD-BARIUM-STRONTIUM-TITANATE COMPOUND [PB1-X-BA0.5X-SR0.5X-TIO3] AND A METHOD OF FABRICATING THE SAME.

(51) International classification	:C04B35/46; C04B 35/468; C04B 35/47	(71)Name of Applicant : 1)BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,AURANGABAD Address of Applicant :AURANGABAD, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)PRANAV PRAMODRAO BARDARPURKAR
(33) Name of priority country	:NA	2)SUHAS MOHANRAO DESAI
(86) International Application No	:NA	3)KAMALAKAR MAROTRAO JADAV
Filing Date	:NA	4)GOVIND KISHANRAO BICHILE
(87) 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 lead titanate based compound, particularly a ferroelectric Lead-Barium-Strontium-Titanate compound having a chemical composition expressed by compositional formula, $Pb_{1-x}Ba_{0.5x}Sr_{0.5x}TiO_3$, where x takes values greater than 0.05 and less than 1.0 for use in transducers as sensing element and in capacitors as a dielectric material, whereas in data storage devices as a memory element, wherein the lead barium strontium titanate compound is characterized by having high dielectric constant, low dielectric loss, low porosity, high mechanical strength and remnant polarization. A method of fabricating the ferroelectric lead barium strontium titanate compound is also disclosed. 10

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2051/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : PHARMACEUTICAL COMBINATIONS

(51) International classification	:A61K31/137; A61K31/58	(71)Name of Applicant : 1)CIPLA LIMITED Address of Applicant :289, BELLASIS ROAD, MUMBAI CENTRAL, MUMBAI-400 008, 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	1)LULLA, AMAR
Filing Date	:NA	2)MALHOTRA, GEENA
(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 pharmaceutical composition for inhalation comprising R (+) budesonide and one or more bronchodilators, and, optionally, one or more pharmaceutically acceptable excipients.

No. of Pages : 45 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2058/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : A SCREW-TYPE TOGGLE CLASP FOR JEWELLERY

(51) International classification	:A44C 5/00; A44C 13/00	(71)Name of Applicant : 1)SHAH, VIRAL ASHOKKUMAR Address of Applicant :A61 GRAND PARADI CHSC, BEHIND SHALIMAR HOTEL, AK MARG, MUMBAI 400 035, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)SHAH, VIRAL ASHOKKUMAR
(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	

(57) Abstract :

The present invention provides a novel screw-type toggle clasp, wherein the eyehole (1) has a tapped portion (11) which complementarity fits over a threaded projection (21) of the chain (2), thereby improving safety and customizability of ornament.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2157/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :29/07/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : PORTABLE RECHARGEABLE LAMP UNIT

(51) International classification	:F21L 4/00; F21L 4/08	(71)Name of Applicant : 1)ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION Address of Applicant :ERDA ROAD, MAKARPURA, VADODARA 390010, GUJARAT, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)BRAHMBHATT GAUTAM
(33) Name of priority country	:NA	2)SHRINET VAGISH
(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	

(57) Abstract :

Portable rechargeable lamp unit. The lamp unit (1A) comprises a manually operated DC generator (2), a DC storage device (3) connected to the DC generator through a diode (4), a LED array (5) connected to the DC storage device through a normally open switch (6) and a status indicator (7, 8, 9, 10) connected to the DC storage device

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2248/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :10/11/2011

(43) Publication Date : 07/06/2013

(54) Title of the invention : MULTIPURPOSE ELECTRONIC KIT

(51) International classification	:H04R 25/00	(71)Name of Applicant : 1)SOMAIYA VIDYAVIHAR
(31) Priority Document No	:NA	Address of Applicant :SOMAIYA
(32) Priority Date	:NA	BHAVAN,45/47,MAHATMA GANDHI ROAD, MUMBAI
(33) Name of priority country	:NA	400001. Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)GAURANG SHETTY
(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 multipurpose electronic kit is provided. The electronic kit is capable of operating in at-least two modes - a musical kit and a medical treatment kit. The kit comprises of a drum module having a plurality of pads, at least one sensor associated to each pad for generating an electrical signal corresponding to at least one strike on surface of at least one of the pads, a control unit for converting the electrical signal into an audio and/or visual signal depending upon mode of the electronic kit, a power source connected to the control unit and a switching means connected to the control unit for switching the modes of the electronic kit. The kit further comprises of a light source for indicating to a user to strike the surface of at least one of the pads and a display unit displaying time taken by the user to strike the surface of at least one of the pads in response to illumination of the light source, wherein the light source and the display unit are connected to the control unit.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2152/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :28/07/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : SYSTEM GENERATING EDGE TRIGGERED INTERRUPT USING ON-CHIP UART AND A METHOD THEREOF

(51) International classification	:G06F13/24; G06F 1/32	(71) Name of Applicant : 1)TATA MOTORS LIMITED Address of Applicant :Bombay House 24 Homi Mody Street Hutatma Chowk Mumbai 400 001 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	1)Vishwas Vaidya
Filing Date	:NA	2)Anand Patidar
(87) 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 :

Edge triggered interrupt system based on serial communication in accordance with this invention basically comprises of embedded micro-controller with input interface and an on-chip serial Asynchronous receiver. Wherein said micro-controller is connected with said input interfaces. The said micro-controller is further interfaced with Edge triggered interrupt generator using its on-chip serial receiver hardware means. The micro-controller apart from interacting with the said input/output interfaces runs an algorithm to generate an Edge triggered interrupt on serial receiver channel. The receiving byte with high baud rate with break error thus generated edge triggered interrupt

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2169/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :29/10/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : NASAL COMPOSITION OF METHYLCOBALAMIN AND PROCESS FOR PREPARING THE SAME

(51) International classification	:A61K 47/22; A61K 31/714	(71)Name of Applicant : 1)Troikaa Pharmaceuticals Limited Address of Applicant :Commerce House-1 Satya Marg Bodakdev Ahmedabad-380054, Gujarat India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)PATEL Ketan R.
(33) Name of priority country	:NA	2)PATEL Milan R.
(86) International Application No	:NA	3)SHAH Prakashchandra J.
Filing Date	:NA	
(87) 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 :

Vitamin B-12 deficiency is very common among population. The main causes of B-12 deficiency include lack of intrinsic factors and other intestinal factors (e.g. malabsorption), rare genetic disorders, and inadequate intake. The present invention relates to intranasal formulations of vitamin B derivatives such as methylcobalamin, Cyanocobalamin which provide enhanced transnasal absorption.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2312/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : DENTAL BUR BOX OF A CLOSED DESIGN TO HOLD AND STERILISE DIAMOND POINTS AND CARBIDE BURS AND TO INCREASE THE ACCURACY OF PROSTHETIC DENTAL TREATMENT BY USING THE DIAMOND POINTS AND/OR CARBIDE BURS IN A SEQUENCE AS PER THE GRAPHICS PATTERN PRINTED ON IT.

(51) International classification	:A61C 3/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DR. VERMA RAJIV MANSARAM
(32) Priority Date	:NA	Address of Applicant :14A, SHREEJI ARCADE AT NITIN CASTING CO. SIGNAL, ALMEIDA ROAD,
(33) Name of priority country	:NA	PANCHPAKHADI, THANE (WEST) 400 602 TEL: 25407015
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	2)DR. (MRS.) VERMA MEENAKSHI RAJIV
(87) International Publication No	:N/A	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)DR. VERMA RAJIV MANSARAM
Filing Date	:NA	2)DR. (MRS.) VERMA MEENAKSHI RAJIV
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention by virtue of the features already narrated will reduce the requirement for large number of diamond points and carbide burs. It will also protect the Dentist and the paramedical team from acquiring dangerous diseases like HIV and Hepatitis and other infections. The Dentist and his paramedical team necessarily come in contact with fluids in the patients body, saliva, gingival fluid and blood. The treatment may take hours and thus instruments must remain sterile throughout the treatment procedure. The graphic s which are printed on its working surface will help dentists in using the right size and shape diamond point and/or carbide burs for a particular cervical finish line and overall tooth reduction as per the type of prosthetic restoration selected for a particular patient. The patient will be benefitted as the dentist at all times will use sterile diamond points and / or carbide burs their by avoiding cross infection. Also the quality of tooth reduction accomplished because of following the printed graphic will be accurate and consistent. This will result in longer lasting prosthetic restorations which would be highly functional and aesthetic.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2313/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : PHARMACEUTICAL COMPOSITIONS OF LACIDIPINE

(51) International classification	:A61K 31/44; A61K 31/4422	(71)Name of Applicant : 1)CADILA PHARMACEUTICALS LTD Address of Applicant :CADILA PHARMACEUTICALS LTD., CADILA CORPORATE CAMPUS, SARKHEJ - DHOLKA ROAD, BHAT, AHMEDABAD - 382210, GUJARAT, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)KHAMAR BAKULESH MAFATLAL
(33) Name of priority country	:NA	2)MUKHARYA AMIT
(86) International Application No	:NA	3)MANSURI NIYAZ
Filing Date	:NA	4)MISRA ARUN KUMAR
(87) International Publication No	:N/A	5)MODI INDRAVADAN AMBALAL
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to the solid oral pharmaceuticals composition of lacidipine having desired dissolution rate and the process for preparation of the same without the use of surfactant(s) and/or disintegrant(s) and micronization.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2321/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : SEALED CIRCUIT BREAKER.

(51) International classification	:H01H 73/18; H01H 73/06
(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	:N/A
(61) Patent of Addition to Application Number	:1673/MUM/2008
Filed on	:06/08/2008
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)EGS ELECTRICAL GROUP, LLC
Address of Applicant :9377 W. HIGGINS ROAD,
ROSEMONT STATE IL ZIP-60018, UNITED STATES OF
AMERICA.
(72)**Name of Inventor :**
1)YOGESH KANOLE
2)NEIL BAIRD
3)NABIL L. MINA

(57) Abstract :

A sealed electrical enclosure used in hazardous locations for enclosing circuit breakers having a bottom housing and a removable top housing with a labyrinth joint or serrated joint formed therebetween, the bottom housing adapted to receive one or more circuit breakers, a first metal bus extending from, a point internal to the bottom housing through a first end wall to a point external thereto, and a second metal bus extending from a point internal to the bottom housing through a second end wall to a point external to thereto, where the first and second metal buses are adapted to contact first and second electrical terminals of a circuit breaker when placed within the bottom housing, and a first lug retaining bracket secured to the bottom housing and extending to a position beneath the first metal such that a bottom portion of a connector assembly may fit within the space between the end of the lug retaining bracket and the bottom of the first metal bus.

No. of Pages : 47 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2334/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : FRONT UNDER RUN PROTECTION DEVICE AND EXHAUST MOUNTING ASSEMBLY

(51) International classification	:B60K13/04; F01N13/08	(71)Name of Applicant : 1)TATA MOTORS LIMITED Address of Applicant :Bombay House 24 Homi Mody Street Hutatma Chowk Mumbai 400 001 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	1)RAJAPURE DNYANESHWAR MARUTI
Filing Date	:NA	2)MANUR VENKATESH MURTHY
(87) 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 embodiments herein relate to provide a front under-run protection device (FUPD) with front exhaust system for vehicles to increase the ground clearance of the vehicle. A front under-run protection device and exhaust mounting assembly comprises at least two mounting bracket mounted between FUPD beam and chassis frame. Said atleast two mounting bracket includes a front curved profile, a plurality of ribs, a lower clamp and an upper clamp. An exhaust system is supported at said curved profile of mounting brackets with the help of a strap and a clamping arrangement. Said strap and clamping arrangement is in turn connected to said chassis frame. Said plurality of ribs provides strength to the mounting brackets. The lower clamp and upper clamp in said atleast two mounting bracket is mounted between FUPD beam and chassis frame to support and withstand the bending load exerted on the FUPD beam 2.

No. of Pages : 13 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2335/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : MANUAL DRIVEN HELICAL PILE FOUNDATION

(51) International classification	:E02D 27/48; E02D 5/00	(71)Name of Applicant : 1)GTL LTD Address of Applicant :GLOBAL VISION, ES-II, MIDC, TTC INDUSTRIAL AREA, MAHAPE, NAVI MUMBAI-400 710, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)MAZHARUDDIN SHERIFF
(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	

(57) Abstract :

Accordingly it is a principle object of the present invention to overcome the disadvantages and limitations of prior art methods and systems and provide a helical pile foundation system and method, more specifically a manual driven helical pile foundation capable of establishing structurally stable active infrastructure. Constituted in accordance with the principles of the present invention which will provide configuration organization and optimization without the need for external intervention. It is yet another object of the present invention to achieve potential to create many new sites, eliminating the need for heavy driving machinery to be transported to the site to install a screw pile to establish active infrastructure in sharing and operating environment.

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

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No</p> <p>Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number</p> <p>Filing Date</p> <p>(62) Divisional to Application Number</p> <p>Filing Date</p>	<p>(71)Name of Applicant :</p> <p>1)TATA MOTORS LIMITED</p> <p>Address of Applicant :Bombay House 24 Homi Mody Street Hutatma Chowk Mumbai 400 001 MAHARASHTRA, INDIA.</p> <p>2)TATA MOTORS LIMITED</p> <p>3)TATA MOTORS LIMITED</p> <p>4)TATA MOTORS LIMITED</p> <p>5)TATA MOTORS LIMITED</p> <p>6)TATA MOTORS LIMITED</p> <p>7)TATA MOTORS LIMITED</p> <p>8)TATA MOTORS LIMITED</p> <p>9)TATA MOTORS LIMITED</p> <p>10)TATA MOTORS LIMITED</p> <p>(72)Name of Inventor :</p> <p>1)MAHENDRAKUMAR SOKKI</p> <p>2)MAHENDRAKUMAR SOKKI</p> <p>3)MAHENDRAKUMAR SOKKI</p> <p>4)MAHENDRAKUMAR SOKKI</p> <p>5)MAHENDRAKUMAR SOKKI</p> <p>6)MAHENDRAKUMAR SOKKI</p> <p>7)MAHENDRAKUMAR SOKKI</p> <p>8)MAHENDRAKUMAR SOKKI</p> <p>9)MAHENDRAKUMAR SOKKI</p> <p>10)MAHENDRAKUMAR SOKKI</p> <p>11)S D APTE</p> <p>12)S D APTE</p> <p>13)S D APTE</p> <p>14)S D APTE</p> <p>15)S D APTE</p> <p>16)S D APTE</p> <p>17)S D APTE</p> <p>18)S D APTE</p> <p>19)S D APTE</p> <p>20)S D APTE</p> <p>21)M. A. MOMIN</p> <p>22)M. A. MOMIN</p> <p>23)M. A. MOMIN</p> <p>24)M. A. MOMIN</p> <p>25)M. A. MOMIN</p> <p>26)M. A. MOMIN</p> <p>27)M. A. MOMIN</p> <p>28)M. A. MOMIN</p> <p>29)M. A. MOMIN</p> <p>30)M. A. MOMIN</p> <p>31)VISHAL GADHAVE</p> <p>32)VISHAL GADHAVE</p> <p>33)VISHAL GADHAVE</p> <p>34)VISHAL GADHAVE</p> <p>35)VISHAL GADHAVE</p> <p>36)VISHAL GADHAVE</p> <p>37)VISHAL GADHAVE</p> <p>38)VISHAL GADHAVE</p> <p>39)VISHAL GADHAVE</p> <p>40)VISHAL GADHAVE</p> <p>41)J. PHANI KUMAR</p> <p>42)J. PHANI KUMAR</p> <p>43)J. PHANI KUMAR</p> <p>44)J. PHANI KUMAR</p> <p>45)J. PHANI KUMAR</p> <p>46)J. PHANI KUMAR</p> <p>47)J. PHANI KUMAR</p> <p>48)J. PHANI KUMAR</p> <p>49)J. PHANI KUMAR</p> <p>50)J. PHANI KUMAR</p>
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(57) Abstract :

Embodiment of the present disclosure relates to a system for restraining movement of a music system is described. Said system includes a vehicle dashboard fitted with centre console, the music system and an infotainment system. The system of restraining movement of a music system includes a restraining block having a predetermined shape. The restraint block comprises a plurality of lugs provided at vertical part of the restraining block, said lugs engage with mating holes provided on an outer cover of the music system. Further, the restrain block is provided with at least one threading hole at horizontal part of the restraining block. Also, fastening means are provided to fasten the restraining block with the centre console. An infotainment cover is provided with the system which is fitted onto the centre console around the infotainment system of the vehicle dashboard to conceal the restraining block from visibility.

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2347/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : INTRANASAL SPRAYING DEVICE FOR SYSTEMIC DRUG DELIVERY

(51) International classification	:a61M 11/00; a61M 15/00	(71)Name of Applicant : 1)NEELESH GUJARATHI Address of Applicant :8, PALLAVI HOUSING SOCIETY, 106 SENAPATI BAPAT ROAD, SHIVAJI NAGAR, PUNE- 411016. MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)NEELESH GUJARATHI
(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	

(57) Abstract :

The present invention provides an intranasal spraying device. The device includes a nozzle, an outer cover and a cap. The nozzle includes a plurality of openings at a distal end thereof. The nozzle is capable of detachably securing to a tip of a syringe. The outer cover protects the nozzle from damages. The cap is secured above the plurality of openings of the nozzle. Further, the cap includes at least one aperture at a central portion and a plurality of channels on inner surface thereof directing towards the at least one aperture. A plunger of the syringe is pressed at a predefined speed to force the liquid in the syringe through the plurality of opening of the nozzle to enter into the plurality of channels for colliding at a predefined angle and thus forms a mist. The mist is ejected out through the at least one aperture of the cap.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2360/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : A WATER PURIFICATION DEVICE

(51) International classification	:C02F1/28; C02F 1/68; C02F1/50	(71) Name of Applicant : 1)HINDUSTAN UNILEVER LIMITED Address of Applicant :165/166 BACKBAY RECLAMATION, MUMBAI-400020, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)MISTRY MAHENDRAKUMAR MAGANLAL
(33) Name of priority country	:NA	2)MUKHERJEE NIKHILESHWAR
(86) International Application No	:NA	3)SRIVASTAVA MADALASA
Filing Date	:NA	
(87) 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 Water Purification Device The present invention relates to water purification devices, particularly to gravity-fed water purification devices that operate without electricity and pressurised water. The invention relates to a gravity-fed water purification device comprising a chamber that has the sediment filter, also has a compartment that surrounds the sediment filter. The compartment has sidewalls rising upwardly from bottom of the chamber to define an open top with a rim having a notch. The compartment is spaced apart from the walls of the chamber to define a space around the compartment. Preferred devices were surprisingly found to solve the problem of tapering-off of the flow-rate from the device over a period of use, and the need to frequently back wash the carbon block filter, particularly under conditions of poor water quality and at the same time provide the required residence time for the chemical purifying agent to act on the pathogens.

No. of Pages : 33 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2355/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : DEVICE FOR TESTING OF FOIL USED FOR AUTOMATIC PAPER WEB SPLICING IN HIGH SPEED PRINTING MACHINE

(51) International classification	:B41J 11/00; B65H 19/10	(71)Name of Applicant : 1)BENNETT, COLEMAN & CO., LIMITED Address of Applicant :THE TIMES OF INDIA BUILDING, DR.D.N. ROAD, MUMBAI-400001 Maharashtra India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)BARSAINYA, SUDHIR
(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	

(57) Abstract :

A device for testing of foils used for automatic paper web splicing in a high speed printing machine. The device includes a sensor adapted to sense the foil and generate an electrical signal, a relay connected to the sensor and adapted to receive the electrical signal therefrom, and an indicator assembly for generating at least an audio and/or a visual signal upon the foil being sensed. The device also includes a power supply coupled to the indicator assembly through the relay and the sensor. The relay includes an electromagnet, an armature and at least one normally open contact terminal. The foil is sensed by the sensor based on an intrinsic property. Upon the foil being sensed, the electrical signal generated by the sensor is provided to the relay to energize the electromagnet for closing the normally open contact terminal. Consequently, the indicator assembly generates the audio and/or the visual indication.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2367/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : ELECTRO-MAGNETIC REGENERATIVE TORSIONAL VIBRATION DAMPER AND ALTERNATOR FOR INTERNAL COMBUSTION ENGINE

(51) International classification	:F16F 15/03; F16F15/131;	(71)Name of Applicant : 1)MAMTA YADAV Address of Applicant :RZ-26-P/A-59, STREET NO.37, INDRA PARK, PALAM, NEW DELHI-110045, MAHARASHTRA, INDIA. 2)GAYATRI WANKHEDE
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MAMTA YADAV
(87) International Publication No	:N/A	2)GAYATRI WANKHEDE
(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 an electromagnetic device that, apart from being an efficient torsional vibration damper also functions as alternator of an internal combustion engine. Said device actively absorbs the torsional vibration energy of the crankshaft and converts the same into electric energy, which can be easily stored in to a battery connected through a regulator circuit. Replacing a conventional alternator used for charging the batteries in vehicles, the proposed device can be used as an electrical power generation machine for domestic and other uses.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2389/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :17/08/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : POWER AND ENGINE SPEED CONTROL INTERFACE SYSTEM

(51) International classification	:G05B19/042, F02D29/02	(71)Name of Applicant : 1)DEERE & COMPANY
(31) Priority Document No	:201110290788.0	Address of Applicant :ONE JOHN DEERE PLACE,
(32) Priority Date	:29/09/2011	MOLINE, LLINOIS, 61265-8098, U.S.A.
(33) Name of priority country	:China	(72)Name of Inventor :
(86) International Application No	:NA	1)VEMULA SUDHEERA L
Filing Date	:NA	2)SHERLOCK LANCE R
(87) 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 control interface system for a work machine is disclosed. The work machine comprises an engine and a pump unit. The control interface system comprises a power mode selector configured for manual selection of a mode from at least a higher power mode and a lower power mode, an engine speed selector configured for manual selection of a throttle state from plural throttle states corresponding respectively to plural engine speed settings available in the higher power mode and to plural engine speed settings available in the lower power mode, and a controller unit. The controller unit is configured for receiving the selected power mode and the selected throttle state, and determining a power limit on engine power for operation of the pump unit dependent on the selected power mode and the selected throttle state.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2390/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :17/08/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : TRACTOR CENTER CONTROL CONSOLE

(51) International classification	:B60K37/00	(71)Name of Applicant :
(31) Priority Document No	:13,228206	1)DEERE & COMPANY
(32) Priority Date	:08/09/2011	Address of Applicant :ONE JOHN DEERE PLACE,
(33) Name of priority country	:U.S.A.	MOLINE, LLLINOIS, 61265-8098, U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)GOODNIGHT MARLINL
(87) International Publication No	: NA	2)ELHARDT PAUL M
(61) Patent of Addition to Application Number	:NA	3)TOOMEY NICHOLAS M
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A tractor center control console may be assembled before being mounted on a tractor. The tractor center control console includes a one-piece molded plastic pedestal, an instrument panel, and a steering column assembly that is solely supported by the one-piece plastic pedestal. A removable cowl covers at least part of the one-piece plastic pedestal. Electronic components are housed in the one-piece plastic pedestal and covered by the removable cowl.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2380/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :16/08/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : TEXTILE MACHINE WITH A LARGE NUMBER OF WORKSTATIONS

(51) International classification	:B65H54/42	(71)Name of Applicant :
(31) Priority Document No	:10	1)OERLIKON TEXTILE GMBH & CO. KG
(32) Priority Date	2011111725.7	Address of Applicant :LEVERKUSER STRASSE 65, D-
(33) Name of priority country	:26/08/2011	42897 REMSCHEID, GERMANY
(86) International Application No	:Germany	(72)Name of Inventor :
Filing Date	:NA	1)GEORG HEINEN
(87) International Publication No	:NA	2)JUERGEN SCHNITZLER
(61) Patent of Addition to Application Number	:NA	3)JOERG ZISCHEWSKI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a textile machine with a large number of workstations, which are in each case equipped with at least one thread processing device, as well as having at least one drive shaft, which runs in the longitudinal direction of the textile machine and to which the thread processing devices are connected, in each case, by a continuous traction means, the drive shaft extending over a plurality of workstations and being equipped with a large number of drive devices to guide and entrain a respective continuous traction means. According to the invention it is provided that the drive devices (20) of the drive shaft (35) in each case have two deflection and guide grooves (30, 34) arranged coaxially with respect to the drive shaft (35), one of the deflection and guide grooves (30, 34) being a component of a freely rotatably mounted loose wheel (33), and the continuous traction means (19), which is inserted in the region of the respectively associated, overhung thread processing device (41) by means of a loop in a rear guide groove (26B) of an output means (22), which is connected to the respective thread processing device (41), being drawn around the drive shaft (35) in such a way that the remaining loop of the continuous traction means (19) can be inserted with a rotation through 180° in the guide groove (26A) positioned at the freely accessible end of the output means (22).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2395/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :17/08/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : AN ELECTRONIC UNIT•

(51) International classification	:H01R4/28
(31) Priority Document No	:2011196402
(32) Priority Date	:08/09/2011
(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)SONY CORPORATION
Address of Applicant :1-7-1 Konan Minato-ku Tokyo Japan
(72)**Name of Inventor :**
1)TOMOYUKI YOSHIMATSU

(57) Abstract :

A plate-shaped support member having an insulating surface and a conductive surface that are opposed to each other; a cut-and-raised section provided in the support member and having a contact that is bent to protrude toward the conductive surface and a pair of through holes provided at side faces of the cut-and-raised section; and a substrate inserted into the pair of through holes and with which the contact is in elastic and electric contact.

No. of Pages : 37 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2402/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :17/08/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : ELECTRONIC DEVICE AND BOARD USABLE IN THE ELECTRONIC DEVICE

(51) International classification	:H01L27/04, H02H9/04	(71) Name of Applicant : 1)Samsung Electronics Co. Ltd.
(31) Priority Document No	:2011- 0090376	Address of Applicant :129 Samsung-ro Yeongtong-gu Suwon-si Gyeonggi-do 443-742 Republic of Korea.
(32) Priority Date	:06/09/2011	(72) Name of Inventor :
(33) Name of priority country	:Republic of Korea	1)Jae-sub YOUN
(86) International Application No	:NA	
Filing Date	:NA	
(87) 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 electronic device includes an exterior portion of a conductive material, a circuit portion including circuit elements, and a protection circuit portion connected between the exterior portion and the circuit portion. The protection circuit portion includes a switching unit to intercept leakage current that flows from the circuit portion and leaks to the exterior portion, and a conversion unit to reduce a voltage level of an electrostatic component that flows through the exterior portion and to transfer the electrostatic component to the switching unit.

No. of Pages : 29 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2403/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : NOVEL DISPOSABLE DEVICE FOR STRAINING / BREWING / STEEPING HERBS, TEA, COFFEE, OR EXTRACTS TO PREPARE HERBAL TEAS / TISANES / INFUSIONS / BEVERAGES / ESSENCES.

(51) International classification	:B65D 85/804; B65D 81/34	(71)Name of Applicant : 1)GOKHALE LEENA DEEPAK Address of Applicant :27, SNEH GIRISH SOCIETY, NEAR OLD WARJE JAKAT NAKA, WARJE, PUNE - 411052, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	2)PATHAK SANDEEP SUDHIR
(32) Priority Date	:NA	(72)Name of Inventor :
(33) Name of priority country	:NA	1)GOKHALE LEENA DEEPAK
(86) International Application No	:NA	2)PATHAK SANDEEP SUDHIR
Filing Date	:NA	
(87) 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 :

Being one assembled piece having two parts wherein the Top half providing Identification Panel and Handle & the Bottom half providing Indentation Area and Prongs around which the teabag or any other material used for straining, is being wrapped and sealed and having increased and improved Branding of Company-Name, Logo, and-the-like; and increased and improved Product Identification, like Product Name, Content, Flavour, Unique Characteristic and the like and having a facility to communicate information, mentioned above, to people with zero or limited vision and having increased and improved convenience during usage and disposal for consumer as compared to conventional teabags and having optimized air space for better infusion.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2391/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :17/08/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : REDUCED EFFORT MANUAL BOOM LOCK

(51) International classification	:E02F3/28, E02F3/36	(71)Name of Applicant : 1)DEERE & COMPANY
(31) Priority Document No	:13/234447	Address of Applicant :ONE JOHN DEERE PLACE,
(32) Priority Date	:16/09/2011	MOLINE, ILLINOIS, 61265-8098, U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:NA	1)BRIMEYER DENNIS A
Filing Date	:NA	2)MUJAWAR NAUSHAD
(87) International Publication No	: NA	3)DHOTRE SANDEEP
(61) Patent of Addition to Application Number	:NA	4)LANGNER KURTIS L
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure provides a backhoe boom lock for engaging a hook member of a boom in a transport position. The boom lock includes a pair of side members disposed parallel to one another along a substantially horizontal axis, each side member having a first end and a second end. A transverse member is coupled between the first end of the pair of side members, the transverse member is configured to engage the hook member in the transport position. The boom lock further includes a pivot point defined near the second end of the pair of side members, the pair of side members being pivotally coupled with respect to the pivot point such that the boom lock pivots about the pivot point. A flange is disposed between the second ends of the pair of side members and is further disposed outwardly from the pivot point at an angle with respect to the horizontal axis. The boom lock also includes a counterweight body integrally coupled to the second ends of the pair of side members.

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

(54) Title of the invention : ROTARY MULTIPLE AXIAL ROUND-VANE INTERNAL COMBUSTION ENGINE

(51) International classification	:F01C 1/34; F01C1/344	(71)Name of Applicant : 1)INGOLE VIJAY TULSHIRAM Address of Applicant :104 GANEDIWAL LAYOUT, CAMP, AMRAVATI - 444602 Maharashtra India
(31) Priority Document No	:NA	2)INGOLE ASHUTOSH VIJAY
(32) Priority Date	:NA	3)INGOLE PARITOSH VIJAY
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)INGOLE VIJAY TULSHIRAM
Filing Date	:NA	2)INGOLE ASHUTOSH VIJAY
(87) International Publication No	: NA	3)INGOLE PARITOSH VIJAY
(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 comprises a novel rotor concentrically mounted on a shaft having plurality of vane housings supporting pluralities of vanes. One of the novelties of present invention is that the vanes are round in shape which prevents leakages. Other novelty of the present invention is that the vanes are located axially on either side faces of rotor disc. Since the vanes are not radial but axial thereby averting the effect of centrifugal force on the pluralities of vanes to prevent excessive rubbing during the rotation of the rotor and vanes. Another novelty of the present invention is that the round means circular vane has a groove on its circular face and fitted with a replaceable circular sprung ring means sealing ring for easy maintenance. The vane is retained in a snugly fitting vane housing provided on the flat surface of the rotor such that the vane moves in and out parallel to the axis of rotation of shaft means axially on which rotor is mounted. The vane is further guided for axial movement by pins or support. The rotor is enclosed in two concentric enclosures means housings. The two housings are generally similar to each other and having a circular groove. Another novelty of the present invention is that the depth of groove varies in a sinusoidal manner and is formed on the inner flat surfaces of enclosures wherein the pitch center diameter (PCD) of the groove is equal to the PCD of vanes and further the radius of curvature of groove is equal to the radius of vane thereby when the rotor rotates with pluralities of vanes, the vanes or part thereof fit snugly in the groove during each of its rotation means the grooves provide guiding path to the vanes. The housing circular groove depth is made in sinusoidal form in such a way that its goes on increasing through first 90° means quarter rotation, thereafter the depth goes on decreasing for next 90° of rotation and then the depth goes on increasing for next 90° and for remaining 90° it goes on decreasing and in this manner the depth profile is formed in a circular path thereby dividing the groove in four quadrants. A charge cavity is formed between two successive vanes, groove and rotor surface so the volume entrapped in such cavity varies in accordance with depth of the groove such one quadrant when depth goes on increasing the entrapped volume goes on increasing causing suction phase where inlet port is provide for the suction of gases, during second quadrant when depth goes on decreasing the entrapped volume goes on decreasing causing compression phase, in the beginning of third quadrant the entrapped gases are ignited and so also the depth goes on increasing causing power phase, and during fourth quadrant the depth goes on decreasing causing compression means exhaust phase to expel burnt gases where exhaust port is provided and in this manner the thermodynamic cycle is completed in each single rotation of rotor. In one of the embodiments of the present invention two adjoining vane placed axially on either side of rotor are joined together to form a jointed vane. The novelty of the present invention is that grooves of housings are circularly oriented in such a manner that the sum of the axial depth of the grooves on either side of rotor remains constant at any given angle and is always equal to the length of the jointed vane therefore the jointed vane fits snugly in both the grooves on either side of the rotor however, the varying depth of the stator circular profile on each side makes the jointed vane move axially in and out in the vane housings and groove in simple harmonic motion. Another novelty of present invention is that in other embodiment the housings grooves are placed normally where independent pluralities of vanes on each sides of the rotor move axially in and out of the pluralities of vane housing and grooves of respective housing against the force of compression spring. Though the present description of the invention only eight vanes are shown the invention works with other combination of number of vanes. The cooling of the engine is provided by water chamber close to the stator sides which circulates through cavities provided on the stator peripheries and further cooling fins are provided on the cooling chamber and stator peripheries. The oil lubrication of rotor fins and housings is provided by self sustaining centrifugal action of rotor thus generally dispensing with a separate lubricating pump. Further invention is described in detail with the help of Sheet 1 of 7 illustrate cross-sectional view of rotor elevation with the help of Figure-1 A. Figure- 1B, Figure-1C Sheet 2 of 7 illustrates the elevation of one of the housings with the help of Figure-2A and Figure-2B. Sheet 3 of 7 comprises Figure-3A and Figure-3B showing elevation and cross-section of side elevation of one of the liquid and air cooling end-shields respectively. Sheet 4 of 7 illustrates in Figure-4A. Figure-4B, Figure-4C. Figure-4D, and Figure-4E showing the exploded cross-sectional view of the various sub-assemblies of left cooling end-shield, left housing with groove, centrally and concentrically mounted rotor. Sheet 5 of 7 illustrates Figure-5A the cross-section of one of the embodiments of the assembled rotary multiple axial round-vane internal combustion engine Figure-5B illustrates partial cross-section of the assembled engine. Sheet 6 of 7 illustrates other embodiment of rotor with the help of Figure-6A and Figure-6B. Sheet 7 of 7 illustrates Figure-7A the cross-section of one of the other embodiments of the assembled rotary multiple axial round-vane internal combustion engine and Figure-7B illustrates partial cross-section of the assembled engine showing housings relative orientation, groove profile, inlet port and exhaust

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2410/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : APPARATUS AND METHOD FOR VARYING INTER SYMBOL INTERFERENCE AND BANDWIDTH EXTENSION PRE EMPHASIS ON A HIGH SPEED DIGITAL SIGNAL

(51) International classification	:H04B17/00
(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)TEKTRONIX INTERNATIONAL SALES
Address of Applicant :RHEINGOLDSTRASSE 50, 8212
NEUHAUSEN AM, RHEINFALL, SWITZERLAND U.S.A.
(72)**Name of Inventor :**
1)RAMACHANDRA C V, HANMEEL
2)SHIKHA RAMACHANDRA

(57) Abstract :

A signal generating device has a display, central processing unit and a waveform generating circuit. The central processing unit generates a user interface on the display for setting parameters for a serial data pattern and a parameter for an intersymbol interference and a bandwidth extension pre-emphasis effect on the serial data pattern. A waveform record file is generated using the serial data pattern parameters and the intersymbol interference effect and bandwidth extension pre-emphasis effect parameter. A waveform generation circuit receives the waveform record file and generates a serial data pattern analog output signal having the intersymbol interference effect or the bandwidth extension pre-emphasis effects defined by the intersymbol interference and bandwidth extension pre-emphasis effect parameter.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2411/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : NUTRITIONAL SUPPLEMENTS FROM GREEN LEAFY VEGETABLES

(51) International classification	:A23L1/00; A23L1/20; A23L1/30	(71)Name of Applicant : 1)SAVANGIKAR, CHITRA VASANT Address of Applicant :2, RAMESHWAR APARTMENT, NEAR MAHILA BANK, INDIRANAGAR, NASHIK - 422 009, MAHARASHTRA, INDIA. 2)SAVANGIKAR VASANT ANANTRAO
(31) Priority Document No	:NA	(72)Name of Inventor : 1)SAVANGIKAR , CHITRA VASANT
(32) Priority Date	:NA	2)SAVANGIKAR VASANT ANANTRAO
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention discloses packaged nutritional supplements that have nutritional ingredients derived from green leafy vegetation that shall collectively or singly be useful to fulfill the daily need of supplementation from one or more of a nutrient from green leafy vegetation. One embodiment of this invention discloses a novel packaged composition that comprises at least one fraction of a green leafy vegetation and at least one more ingredient to improve its usability and is source of at least one nutritional ingredient selected from the group dietary fiber, beta carotene, iron, calcium, xanthophylls, folic acid and lysine plus methionine and cystine; wherein the fraction comprises a fibrous fraction, a water soluble deproteinized juice fraction and a water insoluble high protein low fiber fraction as fourth primary fraction. In one embodiment of invention, the contribution of at least one nutrient to the nutrient content of the composition from green leafy vegetation or its fraction is a least 15% of at least content of one nutrient of the composition. Also disclosed is a novel packaged composition comprising pulp of whole edible green leafy vegetation and at least one component of flax-seed in the form of a soup or a food bar. The component of flax seed may be one or more selected from the group of whole flax seed, flax seed cake or flax oil.

No. of Pages : 44 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2404/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : NOVEL COMBINATION-COVER FOR INDIAN-STYLE WATER-CLOSET.

(51) International classification	:E03D 11/00; E03D11/02	(71)Name of Applicant : 1)KHER RAMESH BHALCHANDRA Address of Applicant :C-3, KALA-BASANT CO-OP. SOC. 808, BHANDARKAR ROAD, PUNE - 411004, 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 : 1)KHER RAMESH BHALCHANDRA
Filing Date	:NA	
(87) 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 :

Consisting of the Combination-Cover (11) to be attached or placed on Indian-style VC, where the Cover is in ahut/closed/horizontal state, for the room to be used for bath, and, the Cover being in wopen or lifted-up state, for the room to b used as latrine/lavatory/toilet. The Cover/System can be in a Corner/ or in the Center. The Cover has the same level (12) as that of the floor-level-(12) of the entire room, hence, the person NOV does not NOW worry of THE DEPTH/H0LLOWNE9S/SHALUOWNNESS/&-LOWER-LEVEL of WCf as there will never ever be any accident(s). The Cover is in any conceivable-or-imaginable Form & Shape. The Cover has one more integrated Combination! a stool (22) to be used for sitting, the Stool being attached or placed FIRMLY on Cover. SQUARE or ROOID or ornamental or designer pipes/fit/sockets are used. There is one extra Combination: flap/or/board/or/sheet/or/seat (27) attached & fixed to a wall by means of hinge(s) (26). When the seat is not-in-use it is in vertical, folded state; & when-in-use the seat is in horizontal, opened, occupied state. The gap or distance of seat (27) from the floor level (12) can be kept adjustable.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2405/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : SELF SERVICE KIOSK SYSTEM FOR BANKING TRANSACTIONS SYSTEM

(51) International classification	:G07F19/00; G07F 7/00	(71)Name of Applicant : 1)FORBES TECHNOSYS LTD Address of Applicant :PLOT NO C-17/18, ROAD NO 16, WAGLE INDUSTRIAL ESTATE, THANE-400604 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	1)AJAY SINGH
(87) International Publication No	: NA	2)FEROZE KATILA
(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 new integrated machine and the method by which it provides a system for performing banking functions and such functions include both dispensing and receiving functions, more particularly the invention relates to a new machine known as Microbanker and the method by which it provides self service platform to deliver various banking functions and other financial transactions by integrating hardware device with software applications in a secure, reliable and cost effective manner.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2413/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : A METHOD FOR REHEATING OF INDIVIDUAL OVENS AFTER SHUT DOWN FOR NON-RECOVERY COKE OVEN

(51) International classification	:C10B15/00; C10B 23/00	(71)Name of Applicant : 1)JSW STEEL LIMITED Address of Applicant :JINDAL MANSION, 5-A, DR. G. DESHMUKH MARG, MUMBAI - 400 026, STATE OF 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	1)BARMAN ,SAGAR CHANDRA
(87) International Publication No	: NA	2)KINLEKAR ,ABHI ANANT
(61) Patent of Addition to Application Number	:NA	3)MATH ,BASAVARAJA KALLUHOLE
Filing Date	:NA	4)CHITRALA, SREENATH
(62) Divisional to Application Number	:NA	5)SHAIKSHAVALI
Filing Date	:NA	

(57) Abstract :

A method for reheating of individual ovens after shutdown for non recovery coke oven is disclosed without using any external heat source. More particularly, the method involves reheating of individual non recovery coke oven after repair/shutdown with reduced time for normalizing. Advantageously, following the method of reheating according to the invention, oven is normalized (at 900°C) in 7 days as compared to 11 days time by conventional practice. The method of reheating of non recovery coke oven after shutdown/repair is thus economical without needing any external heat source, adapted to ensure uniform heating with reduced time of normalizing in a safe and reliable manner, favoring cost effective application in shutdown,/maintendnce of coke ovens in steei plants,

No. of Pages : 13 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2416/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : A SELF LOCKING LEVER OPERATED SPRING CLAMP TERMINAL BLOCK.

(51) International classification	:H01R9/00; H01R 9/24	(71)Name of Applicant : 1)VIPUL RAY
(31) Priority Document No	:NA	Address of Applicant :3,SHANTIVAN SOCIETY,
(32) Priority Date	:NA	MAKARPURA ROAD, VADODARA - 390010, GUJARAT.
(33) Name of priority country	:NA	India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)VIPUL RAY
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a self locking lever operated spring clamp terminal block comprising of a housing accommodating a self locking lever, spring clamp, current bar, housing and window for wire insertion wherein the wire is inserted through said window and clamped into place by means of the spring clamp, which establishes contact with said current bar wherein insertion of wire takes place through the side.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2422/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :31/08/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : A SYSTEM AND METHOD TO ENABLE ACCESS OF MULTIPLE SERVICE PROVIDERS IN A SINGLE CALL

(51) International classification	:H04M 3/527; H04M 3/42	(71)Name of Applicant : 1)TATA CONSULTANCY SERVICES LIMITED 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	1)PANDE ARUN
(33) Name of priority country	:NA	2)KOPPARAPU SUNIL KUMAR
(86) International Application No	:NA	3)SHEIKH IMRAN AHMED
Filing Date	:NA	
(87) 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 proposes a system and a method to enable an IVR mashup interface to ease the selection of services over a communication device and enhances the caller experience by ways of personalizing the call and making effective use of the call hold time. The said system and method as implemented by the mashup server automatically connects the caller to the most immediate service offering service provider after simultaneously placing of the call to various service providers. In the mean time, the mashup server simultaneously calculates the wait time to get connected to service provider after a call is made to mashup service and relays appropriate promotional content to the caller based on such wait time and the profile of the user. Further the system and method as proposed is capable of representing a user and transact on behalf of the user by talking to the live agents or interacting with the automated IVR systems representing the service providers.

No. of Pages : 22 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2424/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :31/08/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : A METHOD AND APPARATUS FOR BANDWIDTH EFFICIENT VIDEO STREAMING

(51) International classification	:H04N 7/00; H04N 1/00	(71) Name of Applicant : 1)TATA CONSULTANCY SERVICES LIMITED 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	1)MANOJ CHATHANKULANGARA RAJAN
(33) Name of priority country	:NA	2)SREEJAYA VISWANATHAN
(86) International Application No	:NA	3)VAISHNAVI GOLLAPINNI
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An apparatus and method of the present invention facilitates uninterrupted video chat and video surveillance applications wherein the region of interest feature of Motion JPEG 2000 is dynamically updated by allocating more bits to the facial characteristics of an image as compared to its background using enhanced face detection and light weight face tracking approach. Improved compression efficiency and subsequent effective bandwidth reduction for video transmission is achieved by embedding face movement and motion intelligence on Motion JPEG 2000 even under different lightening conditions and noisy environment.

No. of Pages : 24 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2432/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : A CABIN TWIST ARRESTER MECHANISM FOR VEHICLES

(51) International classification	:B60N 2/02; B64D 11/06	(71)Name of Applicant : 1)TATA MOTORS LIMITED 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	1)RAJIV PANT
(33) Name of priority country	:NA	2)MAHESH PARDESHI
(86) International Application No	:NA	
Filing Date	:NA	
(87) 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 discloses a cabin twist arrester mechanism for vehicle which prevents cabin twist during tilt operation of the cabin. The said cabin twist arrester mechanism comprises; at least two cab mounting bracket 3a having pivot bush 3b for mounting a tillable cabin, a cam plate 17 configured with an appropriate profile mounted on the cabin front structure 1a , a follower member 16 provided on said cab mounting bracket 3a, said follower member 16 having antifriction lining, said cam plate 17 is configured in such a that the cam plate 17 is in contact with the said follower member only during tilting operation of cabin thereby load coming on said pivot bush 03 during tilting operation is shared by said cam plate 17 and follower member 16 to prevent deflection of said pivot bush 3b and misalignment of cabin tilting backward and avoiding the twisting of said cabin.The present invention enables to provide softer bushes for front mounting and improves the ride, comfort and NVH performance.The present invention also enables to reduce forces experienced by the front mounting brackets during cabin tilting operation.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2434/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : A COMPOSITE ARC CHAMBER ASSEMBLY FOR MOULDED CASE CIRCUIT BREAKER

(51) International classification	:H01H 9/34; H01H33/00	(71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L&T HOUSE, BALLARD ESTATE, P.O. BOX NO. 278, MUMBAI-400 001, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)NAYAN B. DEGDA
(33) Name of priority country	:NA	2)MUKESH L. NIMANI
(86) International Application No	:NA	3)AMIT CHATURVEDI
Filing Date	:NA	4)RAJEEV SOLANKI
(87) 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 various embodiments of the present invention provide an improved arc chamber assembly with a gas deionization device used as a heat sink in a molded case circuit breaker. The arc chamber assembly of a molded case circuit breaker comprises the front vent, the back vent and the de-ionization device placed between the front vent and the back vent. The de-ionization device includes a structure to enable cooling of gas ventilated from the arc chamber. The de-ionization device comprises porous foam formed from agglomerated balls formed from a metallic base. The porous foam is at least one of a metallic foam or ceramic form with a compact structure for effective cooling of the ventilated gas.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2435/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : ROTARY HANDLE MECHANISM FOR CIRCUIT BREAKERS

(51) International classification	:G05G 1/00; H01H71/56	(71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L&T HOUSE, BALLARD ESTATE, P.O. BOX NO. 278, MUMBAI-400 001, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)YOGESH .N. PATIL
(33) Name of priority country	:NA	2)SUJIT .S. PATWARDHAN
(86) International Application No	:NA	
Filing Date	:NA	
(87) 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 various embodiments of the present invention provide a rotary handle operating mechanism for circuit breakers. The mechanism includes a fixed contact, a moving contact, a knob bevel gear guided in a plurality of mechanism side plates, a fork bevel gear, a rotary handle inserted in the knob level gear, a circuit breaker cassette, a mechanism module mounted on the circuit breaker cassette and a plurality of springs. A torque is applied on the rotary handle by an operator to operate the breaker which causes a rotation of the fork bevel gear in a clock\wise direction and the plurality of springs connected to the fork bevel gear are charged which in turn rotates the rotor from OFF to ON position and vice versa to a dead center.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2436/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : A SYSTEM FOR HYBRID TELECOMMUNICATION

(51) International classification	:H04Q 3/00; H04L29/00	(71) Name of Applicant : 1)TATA CONSULTANCY SERVICES LTD. 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	1)BIDARE, PRASANNA
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) 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 hybrid telecommunication system and method for providing data has been disclosed wherein the mobile devices send request signals seeking data and receive signals containing data. A first wireless network receives request signals from the mobile devices which are then sent to the web server using wired network. Further a second wireless network co-operates with the web server to transmit data signals containing data, said data corresponding to the request signals, to said mobile devices.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2437/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : TERMINATION MODULE FOR CIRCUIT BREAKERS

(51) International classification	:H01R 12/00	(71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L&T HOUSE, BALLARD ESTATE, P.O. BOX NO. 278, MUMBAI-400 001, 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	1)MEGHA SHARMA
(87) International Publication No	: NA	2)SEENA CHANDRAN
(61) Patent of Addition to Application Number	:NA	3)YOGESH N. PATIL
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The various embodiments of the present invention provide a termination module in the circuit breaker that provides the flexibility to attain a multidirectional termination at different orientations with the help of the flexible contact elements. The termination module comprises a terminal module, a guide rail, a nut-plate holder slot, knockout for rear terminals, a snap fit joint, a nut-plate holder, a nut-plate and flexible contact elements connecting the circuit breaker terminal and the pole of the circuit breaker. The links which connect the cables connecting the circuit breaker is screw fit into the nut-plate and the nut-plate is inserted into the nut-plate holder and connected to the pole of the circuit breaker through one or more flexible elements. The flexible contact elements enable the circuit breaker terminals to be positioned in various directions to achieve a .multidirectional termination.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2438/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : ARC PULLER ASSEMBLY FOR CIRCUIT BREAKERS

(51) International classification	:H01H 73/00; H01H 33/00	(71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L&T HOUSE, BALLARD ESTATE, P.O. BOX NO. 278, MUMBAI-400 001, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)NAYAN B. DEGDA
(33) Name of priority country	:NA	2)MUKESH L. NIMANI
(86) International Application No	:NA	3)AMIT CHATURVEDI
Filing Date	:NA	
(87) 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 various embodiments of the present invention provide a contact assembly of a molded case circuit breaker. The contact assembly includes an arc chute assembly, a plurality of de-ion plates arranged in the arc-chute assembly, a moving contact, a fixed contact and an arc puller assembly. The arc puller assembly is adapted to enhance an inward magnetic pull on an arc which allows the arc to penetrate into the plurality of de-ion plates thereby increasing the length of the arc. The arc puller assembly includes an arc puller and an arc puller enclosure. The arc puller assembly is made up of a highly permeable magnetic material.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2416/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :20/08/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : SEAT BACK LATCH FOR MOTOR VEHICLE

(51) International classification

:B60N2/02

(31) Priority Document No

:KR 10-

2011-

0083416

(32) Priority Date

:22/08/2011

(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)KM&I Co. Ltd.

Address of Applicant :178-62 Kajwa 1 Dong Seo Ku
Incheon 404-821 Republic of Korea

(72)Name of Inventor :

1)LEE JONG-CHAN

2)GIL MINYI

(57) Abstract :

Provided is a seat back latch for locking or unlocking a seat back of a motor vehicle seat in order to fold the seat back and more particularly a seat back latch for a motor vehicle capable of adjusting an inclination of a seat back in a multi-stage and firmly maintaining a locked state of the seat back.

No. of Pages : 29 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2417/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :31/08/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : A NOVEL BIOCIDES COMPOSITION

(51) International classification	:A01N59/00; A01N43/50; A01N 43/64	(71)Name of Applicant : 1)HINDUSTAN UNILEVER LIMITED Address of Applicant :165/166 BACKBAY RECLAMATION, MUMBAI-400 020, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)DAVE PARTHIV RIPUDAMAN
(33) Name of priority country	:NA	2)JAMBEKAR GIRISH UMAKANT
(86) International Application No	:NA	
Filing Date	:NA	
(87) 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 novel biocide composition for use in gravity fed water purification devices and suitable for purifying water for drinking purposes and a process for preparing the novel biocide composition. The biocide tablet composition comprises one or more halogenated 5,5-dialkylhydantoin compound; a chlorine biocide compound selected from trichloroisocyanuric acid (TCCA) or sodium dichloroisocyanurate (NaDCC) or mixtures thereof; 0.1-1.0% water soluble boron containing compound; wherein the ratio between the halogenated 5,5-dialkylhydantoin compound and chlorine biocide compound is in the range 85:15 to 65:35 and the average particle size of the halogenated 5,5-dialkylhydantoin compound and chlorine biocide compound is in the range 400 to 200 microns.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2430/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : IMPROVED PROCESS FOR THE PREPARATION OF FLUTICASONE PROPIONATE/FUROATE

(51) International classification	:C07J 31/00; C07J 17/00	(71)Name of Applicant : 1)CADILA HEALTHCARE LIMITED, Address of Applicant :ZYDUS TOWER, SATELLITE CROSS ROAD, AHMADABAD - 380 015, GUJRAT, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)SINGH, MANOJ, KUMAR
(33) Name of priority country	:NA	2)PATEL, DHAVAL P.
(86) International Application No	:NA	3)SOLANKI, KIRTIPALSINH
Filing Date	:NA	4)PATEL, DHAVAL J.
(87) International Publication No	: NA	5)SHAH TEJASH C.
(61) Patent of Addition to Application Number	:NA	6)BAVADIA, RUCHIR Z.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an improved process for the preparation of substituted Fluticasone derivatives. The invention also reveals the processes for the purification of Fluticasones and related intermediates to provide the highly pure product.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2431/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : VALSARTAN PROCESS

(51) International classification

:C07D
257/00

(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)CADILA HEALTHCARE LIMITED

Address of Applicant :ZYDUS TOWER, SATELLITE

CROSS ROAD, AHMEDABAD - 380 015, GUJRAT, INDIA.

(72)Name of Inventor :

1)DWIVEDI , SHRIPRAKASH DHAR

2)CHAVDA, RAJANDRA GOKALBHAI

3)RAVAL,JIGAR MUKUNDBHAI

4)SINGH, RAMESHCHANDRA

(57) Abstract :

The invention relates to the process of preparation of valsartan and its intermediate. The present invention particularly relates to one-pot process for preparation of valsartan involving reacting N-valeryl-N-[(2-cyanobiphenyl-4-yl)methyl]-(L)-valine methyl ester (III) with alkali metal azide in presence of amine salts optionally in presence of phase transfer catalyst to obtain valsartan ester (II) and hydrolysis to isolate valsartan (I).

No. of Pages : 16 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2440/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : SUSPENDED PULLEY STRUCTURE FOR MOVEABLE AND FOLDING DOORS

(51) International classification	:E06B 3/48; E05F 11/54	(71)Name of Applicant : 1)GOOD CREDIT CORPORATION Address of Applicant :NO. 13, LONGMEN RD., SITUN DIST., TAICHUNG CITY, TAIWAN.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)SHOU-HSING LIAO
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) 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 is related to a suspended pulley structure for a movable and folding door which is mounted in a track (a) on the ceiling for hanging a door leaf (b). The pulley structure includes a pulley set (10) having at least four wheels (121) which are straddled at the right and left sides of the bottom (a1) of the track (a) and roll. The pulley set (10) has at least four horizontal turning wheels (111) hinged thereon and divided into two pairs at the front and rear sides respectively roll against the right and left walls (a2) of the track (a). Between the two pairs of the horizontal turning wheels (111), a vertical rolling wheel (112) is mounted for rolling at the top (a3) of the track (a). Thereby, it can prevent the door leaf (b) from swinging and/or tilting during folding or unfolding and also avoid the folded door leaves (b) from tilting.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2441/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : LUBRICANT OIL AND SUMP HEATING SYSTEM FOR INTERNAL COMBUSTION ENGINE

(51) International classification	:F01M 5/00; F01M 1/00; F02B 69/00	(71)Name of Applicant : 1)TATA MOTORS LIMITED Address of Applicant :Bombay House 24 Homi Mody Street Hutatma Chowk Mumbai 400 001 MAHARASHTRA, INDIA. (72)Name of Inventor : 1)SAMARTH GHADGE 2)CHRISHTOPHER JOHN
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) 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 lubricating oil and sump heating system which comprises; a oil sump 03 provided on engine block 01, an exhaust manifold 04 connected to engine head 02; Catalytic convertor 05 connected to said exhaust manifold 04 for treating exhaust gas; a front pipe 06 connected with said catalytic converter 05; a source tube member 07 connected with said front pipe 06; a heating tube member 09 disposed in said oil sump 03 and submerged in lubricant oil contained therein; a discharge tube 08; a first 10 and second control valves 11 for controlling of exhaust gas flow; plurality of seals 12,13,14,15,16 for preventing leakage of exhaust gas. Catalytic convertor is provided for treatment of hot exhaust gas which enters the said heating tube member for heating oil sump and the lubricant oil contained therein thereby improves the oil viscosity and oil pump ability of the lubricating oil.

No. of Pages : 17 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2445/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :03/09/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : CONTACT CONFIGURATION SYSTEM FOR CIRCUIT BREAKERS

(51) International classification	:H01H 1/22; H01H 77/10	(71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L&T HOUSE, BALLARD ESTATE, P.O. BOX NO. 278, MUMBAI-400 001, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)SUNIL DAYALAPALLI
(33) Name of priority country	:NA	2)TAPAS RANJAN ROUT
(86) International Application No	:NA	
Filing Date	:NA	
(87) 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 various embodiments of the present invention provide a contact configuration arrangement in the circuit breaker to provide the compensation forces to cancel the constriction forces formed at a contact strip during high short circuit currents. The arrangement comprises a contact strip brazed to the vertical arm connected to a first flexible conductor connected to a first stationary conductor and a pin integrated to a movable conductor connecting a second stationary conductor with a second flexible conductor. The first stationary conductor, the first flexible conductor and the vertical arm forms a current carrying path loop to provide the compensation forces to cancel the constriction forces during short circuit conditions.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2454/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :03/09/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : A SYSTEM AND METHOD OF MANAGING MAPPING INFORMATION

(51) International classification	:G06F12/02; G06F9/44	(71) Name of Applicant : 1)TATA CONSULTANCY SERVICES LIMITED 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	1)RAGUNATHAN REVATHI
(33) Name of priority country	:NA	2)JAVAILIRAO AKSHATA
(86) International Application No	:NA	3)VIJAYANATHAN AJITHA
Filing Date	:NA	4)RAMAKRISHNAN RAMESH KUMAR
(87) International Publication No	: NA	5)SURENDRA BABU MURUGA
(61) Patent of Addition to Application Number	:NA	6)MYSORE RAGHAVENDRA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A centralized version managed system and method for managing centralized mapping specification by applying customized templates and mapping rules which will help to maximize subsequent reuse of mapped information in data migration or data archival projects. Built in workflows and well defined process flow ensure all time compliance to mapping process thereby improving the data quality and reducing efforts and time involved in transformation of legacy source data to target data entities. Progress trackers help in tracking the progress of the mapping process almost real-time.

No. of Pages : 34 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2455/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :03/09/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : METHOD AND SYSTEM FOR ERROR CONTROL CODING USING EXPANDER-LIKE CODES

(51) International classification	:H03M 13/00; G11B20/18	(71)Name of Applicant : 1)TATA CONSULTANCY SERVICES LIMITED Address of Applicant :NIRMAL BUILDING,9TH FLOOR, NARIMAN POINT, MUMBAI 400021, MAHARASHTRA, INDIA. 2)INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
(31) Priority Document No	:NA	(72)Name of Inventor : 1)ADIGA BARKUR SURYANARAYANA
(32) Priority Date	:NA	2)SHARMA HRISHIKESH
(33) Name of priority country	:NA	3)CHAUDHARY SWADESHKUMAR ARVIND
(86) International Application No	:NA	4)PATKAR SACHIN BALKRISHNA
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method and system for error control coding using expander-like codes constructed from higher dimensional projective geometry based graphs is presented. The invention provides a method and system for error control coding which has exceptional random and burst error detection and correction capabilities for large data blocks in storage devices and in communication such as CD ROM, DVD ROM etc.

No. of Pages : 52 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2456/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :03/09/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : DATA INTEGRATION USING CONCEPTUAL MODELING FRAMEWORK

(51) International classification	:G06F17/00; G06F17/30	(71) Name of Applicant : 1)TATA CONSULTANCY SERVICES LIMITED 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	1)REDDY SREEDHAR SANNAREDDY
(33) Name of priority country	:NA	2)DAS PRASENJIT
(86) International Application No	:NA	3)YEDDULA RAGHAVENDRA REDDY
Filing Date	:NA	
(87) 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 computer implemented system and method that combines data from multiple sources to provide a unified view of data using multi-layered conceptual modeling framework. The invention provides means to model conceptual data models at multiple levels of abstraction and a means to map them with each other and with physical models. A query rewriting approach adopted in the present invention is capable of translating queries down multiple levels of conceptual models into physical models and Conceptual modeling framework provide a means to capture and process semantic intent of data more accurately thereby reducing data integration errors significantly.

No. of Pages : 36 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2439/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : A CONTACT MECHANISM FOR A MOULDED CASE CIRCUIT BREAKER

(51) International classification	:H01H 7/00; H01H 71/10	(71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L&T HOUSE, BALLARD ESTATE, MUMBAI-400 001, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)TAPAS R ROUT
(33) Name of priority country	:NA	2)RUPALI S PATIL
(86) International Application No	:NA	
Filing Date	:NA	
(87) 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 various embodiments of present invention provide a contact mechanism for a Moulded Case Circuit Breaker (MCCB) The mechanism includes at least one moving contact arm movable between a closed position and an open position, a rotor coupled to the at least one moving contact arm, at least one fixed contact arm and a housing provided to support the at least one fixed contact arm and the rotor. The mechanism further includes a locking link assembly coupled to the rotor and an operating mechanism of the circuit breaker coupled to the rotor. Each lateral faces of the moving contact arm includes a cam profile engaged with the locking link assembly to facilitate a locking of the moving contact arm with the fixed contact arm below a preset threshold force value and to unlock the moving contact arm from the fixed contact arm above the preset threshold force value.

No. of Pages : 33 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2449/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :03/09/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : TRAINING SYSTEM FOR HAIR RESTORATION

(51) International classification	:A61B17/00; A61B 17/32	(71) Name of Applicant : 1)DR. SANJIV VASA
(31) Priority Document No	:NA	Address of Applicant :4, KAILAS SOCIETY,OPP. BATA
(32) Priority Date	:NA	SHOP BEHIND H. K. HOUSE, ASHRAM ROAD
(33) Name of priority country	:NA	AHMEDABAD, 380009, GUJARAT INDIA.
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)DR. SANJIV VASA
(87) 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 hair restoration system and process. The comprehensive hair restoration training of the present invention that comprises of harvesting, slivering, grafts separation from sliver, graft segregation, graft loading in transplanter and plantation systems corresponding to the stages of hair restoration process. These systems enable technician training on hair restoration with near nature condition as if operating on the live patient to achieve desired standard of delicacy, accuracy, speed and efficiency in the tedious process of hair restoration.

No. of Pages : 30 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :03/09/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : IMPROVED FORCEPS

(51) International classification	:A61B 17/28; A61B 17/29;A61B 10/06	(71) Name of Applicant : 1)DR SANJIV VASA Address of Applicant :4, KAILAS SOCIETY,OPP. BATA SHOP BEHIND H. K. HOUSE, ASHRAM ROAD, AHMEDABAD, 380009, GUJARAT, INDIA.
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)DR SANJIV VASA
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) 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 forceps. The forceps are used to hold or grasp objects and one needs to have better and absolute grip to hold the forceps so as to perform the procedure effectively and efficiently. The present invention relates to improved skin hook forceps with a provision of enhanced tactile contact of the user fingers for effective and efficient use. The synergistic combination of one or plurality of countersunk holes in the middle region comprising conical region over the drilled hole in the middle region of the two members and the said stopping arrangement provides enhance tactile contact of fingers, effective sensation during handling, enables adjusting, desired working distance of fingers, enables accurately holding / gripping the forceps and thereby object / tissue.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2471/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :06/09/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : DEVICE AND METHOD FOR TREATMENT OF SPONDYLOTIC DISEASE

(51) International classification	:A61B17/70; A61B 17/56	(71) Name of Applicant : 1)GOEL, ATUL
(31) Priority Document No	:NA	Address of Applicant :DEPARTMENT OF
(32) Priority Date	:NA	NEUROSURGERY K.E.M. HOSPITAL AND SETH G.S.
(33) Name of priority country	:NA	MEDICAL COLLEGE, PAREL MUMBAI-400 012
(86) International Application No	:NA	MAHARASHTRA, INDIA.
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)GOEL, ATUL
(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 device for treatment of spondylotic disease. The device comprises a distractor for distracting vertebral facets of first and second vertebrae located adjacent each other. The distractor includes a first abutment surface for interfacing with an inferior articular facet of the first vertebra and a second abutment surface for interfacing with the superior articular facet of the second vertebra corresponding to the inferior articular facet of the first vertebra. The first and second abutment surfaces of the distractor are interconnected and separated by a predetermined distance. The invention additionally relates to a device for implanting a distractor.

No. of Pages : 65 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2472/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :06/09/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : SYSTEM AND METHOD FOR NON-INVASIVE DETERMINATION OF HEMOGLOBIN CONCENTRATION IN BLOOD

(51) International classification	:A61B 5/1477; A61B 5/145	(71)Name of Applicant : 1)BIONSENSE TECHNOLOGIES PRIVATE LIMITED Address of Applicant :304, JALTARANG, LOKPURAM THANE-WEST THANE-400610 MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)SEN, ABHISHEK
(33) Name of priority country	:NA	2)MIDHA, AMAN
(86) International Application No	:NA	
Filing Date	:NA	
(87) 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 measurement of absolute value of hemoglobin concentration non-invasively is provided. The system comprises a probe device comprising a sliding top structurally configured to be manually slid forward and backward onto the finger seat which is positioned on top of the housing for placing a fingertip. The finger seat houses two cavities for housing a set of three light emitting 10 diodes and a photodetector respectively. Multiple distinct wavelengths of light transmitted through the fingertip is detected by the photodetector. Further, electronic signals generated by the photodetector are processed to obtain alternating and direct components of light corresponding to each wavelength. A system of three equations are obtained including unknown values of two primary constituent absorbers and 15 known consolidated values of one or more secondary constituent absorbers corresponding to each wavelength of light. The system of equations are then solved simultaneously derive absolute value of hemoglobin concentration.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2474/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :06/09/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : A METHOD AND SYSTEM FOR PROVIDING A CONTENT ADAPTIVE AND LEGIBILITY RETENTIVE DISPLAY OF A LECTURE VIDEO ON A MINIATURE VIDEO DEVICE

(51) International classification	:G09B5/06	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY
(32) Priority Date	:NA	Address of Applicant :INDIAN INSTITUTE OF
(33) Name of priority country	:NA	TECHNOLOGY, BOMBAY POWAI, MUMBAI 400 076
(86) International Application No	:NA	MAHARASHTRA, INDIA.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)SUBHASIS CHAUDHURI
(61) Patent of Addition to Application Number	:NA	2)A. RANJITH RAM
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method and system for providing a content adaptive and legibility retentive display of a lecture video on a miniature video device where the lecture video comprises a sequence of textual and non-textual frames along with associated audio. The method comprises creating a metadata that indicates location of newly added data points in textual frames temporally spaced part by a predefined time interval by computing horizontal and vertical projection profiles of ink pixels in said textual frames and detecting x-y positions of newly added data points thereof; and sequentially displaying key-frames extracted from the textual and non-textual frames in accordance with the metadata by panning textual key-frames with a selection window having an aspect ratio and size in accordance with a display screen of the miniature video device and a center point as x-y position of newly added data point in the respective textual frame.

No. of Pages : 35 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2476/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :06/09/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : DELETION OF NON CANCELLATION OF BOOKINGS IN GLOBAL DISTRIBUTION SYSTEMS FOR FLIGHT SEGMENTS CANCELLED BY AIRLINES

(51) International classification	:G06F9/44; G06Q10/00	(71)Name of Applicant : 1)KISHORE KANJILAL Address of Applicant :27A-3 TAKSHILA, MAHAKALI CAVES ROAD, ANDHERI EAST, MUMBAI - 400 093, MAHARASHTRA, INDIA. 2)RAVI NARAYAN 3)VINAYAK SAPRE
(31) Priority Document 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	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)KISHORE KANJILAL
Filing Date	:NA	2)RAVI NARAYAN
(62) Divisional to Application Number	:NA	3)VINAYAK SAPRE
Filing Date	:NA	

(57) Abstract :

The present invention relates to a computer-implemented method to detect and report non cancellations by a travel agent in a global distribution system of flights segments cancelled in the airline host reservation system and notified to the travel agent by an airline, the method comprising the steps of: a) storing the bookings and cancellations information for flight segments of passengers from the global distribution system in a database and b) storing airline cancellation notification sent to the travel agent for the global distribution system in a database and c) electronically comparing the stored airline cancellation notifications and the stored bookings and cancellations information for flight segments from the global distribution system and detecting and reporting non cancellation in the global distribution system prior to departure date of the flight segment of flight segments cancelled in the airline host reservation system and notified by the airlines to the travel agent.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2458/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :03/09/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : ANTIPROLIFERATIVE ACTIVITY OF DINUCLEAR COPPER (I) COMPLEXES CONTAINING CYCLODIPHOSPHAZANE DERIVATIVES TOWARDS HUMAN CERVICAL BREAST CANCER CELLS

(51) International classification	:C07F 9/02; C07F9/6581	(71) Name of Applicant : 1)INDIAN INSTITUTE OF TECHNOLOGY BOMBAY 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) Name of Inventor :
(86) International Application No	:NA	1)BALAKRISHNA; M.S.
Filing Date	:NA	2)PANDA; DULAL
(87) 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 composition having antiproliferative activity against metastatic cells, said composition comprising 0.556µg to 2.3 µg

No. of Pages : 29 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2466/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :06/09/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : REVERSIBLE CONCRETE MIXER

(51) International classification	:B28C7/08; B28C5/20	(71)Name of Applicant : 1)UNIVERSAL CONSTRUCTION MACHINERY & EQUIPMENTS LTD.
(31) Priority Document No	:NA	Address of Applicant :GATE NO.327/328/329, A/P-
(32) Priority Date	:NA	SHIVARE, TAL.BHOR, DIST-PUNE-411005,
(33) Name of priority country	:NA	MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MR. ROHIDAS HARIBHAU MORE
(87) 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 reversible concrete mixer. The reversible concrete mixer comprises a chassis assembly forming a base, an \sim UTM shaped assembly configured on the chassis assembly, a mixing drum mounted on the \sim UTM shaped assembly, a rotating means for rotating the mixing drum, a hopper mounted on the chassis assembly, a water tank mounted on the chassis assembly, and load cells for sensing weight of the raw material in the hopper. Further, the mixing drum comprises a pair of mixing blades capable of mixing the raw material in the mixing drum upon rotating the mixing drum in clockwise direction, a pair of screw blades capable of transferring the concrete mix from a raw material receiving end of the mixing drum to a discharge end of the mixing drum, and a pair of discharge blades capable of removing the concrete mix out of the mixing drum.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2479/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : DUAL POWER LASER TRANSCEIVER BASED SOUND RETRIEVAL SYSTEM WITH RF EXTENDER AND JOYSTICK CONTROLS

(51) International classification	:H04B10/11; H04B10/50	(71) Name of Applicant : 1)MR.GAURAV DILIP KAVATHEKAR Address of Applicant :O-253, PARMAR RESIDENCY, NIBM ROAD, KONDHWA PUNE-411048, 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	1)MR. GAURAV DILIP KAVATHEKAR
(87) 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 device for retrieval of sounds from a distinct location. The device includes a laser source with switching mechanism, wherein the laser source emits laser beam. Further, the device includes a vibrating surface on which the laser beams are directed, wherein the vibrating surface vibrates on receiving sound waves thereon, the vibrating surface capable of reflecting the laser beams. Also, the device includes an optical receiving head positioned to receive reflected laser beam from the vibrating surface, wherein intensity of the reflected laser beams varies depending upon the position of the vibrating surface. The device also includes signal enhancement and reproduction unit (SERU) connected to the optical receiving head and the laser source with switching mechanism, the SERU receives signals from optical receiving head and the laser source with switching mechanism thereafter converts the signals into audio output and switch the laser source from visible infrared to invisible infrared laser beam.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2480/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : A NOVEL PROCESS FOR PREPARATION OF HETEROCYCLIC N-SUBSTITUTED ALKYLAMINES

(51) International classification	:C07D409/00; C07D401/00	(71)Name of Applicant : 1)CALYX CHEMICALS AND PHARMACEUTICALS LTD.
(31) Priority Document No	:NA	Address of Applicant :2, MARWAH'S COMPLEX,
(32) Priority Date	:NA	SAKIVIHAR ROAD, SAKINAKA, ANDHERI (E), MUMBAI-
(33) Name of priority country	:NA	400 072, MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)LAL, BANSI
(87) International Publication No	: NA	2)BAPAT, CHINTAMANI PRABHAKAR
(61) Patent of Addition to Application Number	:NA	3)ANSARI, AZIZUR RAHMAN
Filing Date	:NA	4)KULKARNI, RAHUL SURESH
(62) Divisional to Application Number	:NA	5)PATIL, MAHENDRA RAMESH
Filing Date	:NA	

(57) Abstract :

The present invention relates to a novel process for preparation of heterocyclic N-substituted alkylamines of formula I, by reacting appropriate amine with protected halo-substituted alkyl amine salt in the presence of catalyst and water as a solvent. The present invention also relates to a novel one-pot process for the preparation of heterocyclic N-substituted alkylamines of formula I. Formula I wherein, R1 and R2 are identical or different, represents C1-C4 alkyl group which along with nitrogen atom on which they are substituents, form a saturated or an unsaturated 5, 6 or 7 membered ring, optionally interrupted with at least one hetero atom such as nitrogen or oxygen atom. A represents formula (CR4R5)n wherein, R4 and R5 are hydrogen or alkyl group and n is 2 to 3. R3 is hydrogen or optionally substituted C1-C3 alkyl group, which may be linear or branched

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2481/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : PROCESS FOR THE PREPARATION OF BENZOFURAN DERIVATIVE AND INTERMEDIATES THEREOF

(51) International classification	:C07D307/78
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) 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, VIPUL KANTILAL

(57) Abstract :

The invention relates to process for the preparation of benzofuran derivative and intermediates thereof. More particularly, it relates to processes for the preparation of dronedarone or pharmaceutically acceptable acid addition salts thereof in crystalline form. The invention also relates to pharmaceutical compositions that include the dronedarone hydrochloride in crystalline form substantially free from disulfonamide impurity.

No. of Pages : 73 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2482/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : IMPROVED PROCESS FOR THE PREPARATION OF SALMETEROL AND INTERMEDIATES THEREOF

(51) International classification	:C07C213/00; C07C213/02	(71)Name of Applicant : 1)CADILA HEALTHCARE LIMITED Address of Applicant :ZYDUS TOWER, SATELLITE CROSS ROAD, AHMEDABAD-380 015, GUJARAT, INDIA.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)DWIVEDI, SHRIPRAKASH DHAR
Filing Date	:NA	2)SHAH, NIRAJ SHYAMLAL
(87) 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 process for the preparation of methyl 2-(benzyloxy)-5-(2-bromoacetyl)benzoate (V), comprises: (a) benzylating methyl-5-acetyl-2-hydroxybenzoate (V[[I]]) with benzyl chloride in the presence of a base and a catalyst in a suitable polar solvent to obtain 5-acetyl-2-benzyloxy benzoate (VII); (b) brominating methyl 5-acetyl-2-(benzyloxy)benzoate (VII) with a suitable brominating agent in one or more suitable solvents in the presence of an acid catalyst to obtain methyl 2-(benzyloxy)-5-(2-bromoacetyl)benzoate (V); (c) optionally, purifying the methyl 2-(benzyloxy)-5-(2-bromoacetyl)benzoate (V) in a suitable solvent; and (c) isolating the methyl 2-(benzyloxy)-5-(2-bromoacetyl)benzoate (V).

No. of Pages : 37 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2493/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : A TAP OFF BOX (TOB) ARRANGEMENT FOR USE IN A BUS BAR TRUNKING SYSTEM (BBT)

(51) International classification	:H02G5/08; H01H9/22	(71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L&T HOUSE, BALLARD ESTATE, MUMBAI-400 001, STATE OF 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	1)SUTHAR, SHRAVAN, KUMAR
Filing Date	:NA	2)SAWANT, SUNIT, 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 Tap off Box (TOB) arrangement for use in a Bus bar trunking system (BBT). The arrangement comprises housing (3), detachable cover means (2) fixed on the housing and an interlocking assembly. The interlocking assembly comprises a handle means (4) comprising a slot means (13). an interlock plate means (5) located in abutment with the said cover means (2). The plate means (5) has a bent profile (12) at one of its end such that in operation during ON condition while opening the said cover (2). the bent interferes with said slot means of the handle thereby restricting opening of the said cover means.

No. of Pages : 31 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2494/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : INJECTION DEVICE

(51) International classification	:B29C45/00; B29C45/20	(71)Name of Applicant : 1)DEBETEK GMBH Address of Applicant :LECHENROTHER WEG 8, 96126 WASMUTHHAUSEN MAROLDSWEISACH, GERMANY.
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)HIPPI RICHARD
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to an injection device 1 for injecting an injection medium into a volumetric flow of a line system 15. The injection device 1 comprises a housing 2 with at least one first compartment 3 which is set up to receive an injection medium/ and at least one second compartment 6 which is spatially separated from the first compartment 3, both compartments having an injection unit.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2496/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : A LOCKING MECHANISM FOR DOOR OF A VEHICLE AND METHOD OF OPERATING THEREOF

(51) International classification	:E05B 17/00; E05B 65/36	(71)Name of Applicant : 1)TATA MOTORS LIMITED 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	1)PALSODKAR CHARUTA A
(33) Name of priority country	:NA	2)ATUL ADHAU
(86) International Application No	:NA	3)REDDY PAVAN
Filing Date	:NA	4)SALIL HARLIKAR
(87) International Publication No	: NA	5)ADITYA BHAT
(61) Patent of Addition to Application Number	:NA	6)KUNAL AKARTE
Filing Date	:NA	7)KETAN BHATE
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The disclosure provides for a locking mechanism for door (1) of vehicle, said locking mechanism comprising; plurality of bell cranks (3) hinged at predetermined peripheral locations onto the door (1) and one of the bell cranks (3) is configured as the handle (2) for operation, a means to connect the adjacent bell cranks (3), plurality of brackets (5) fixed onto side wall (19) and are positioned corresponding to the location of the bell cranks (3), and the handle (2) is rotated in a predetermined direction to engage the bell cranks (3) with the brackets for locking the door (1).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2477/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :06/09/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : PROCESS FOR PREPARATION OF FLUORINATED TRIAZOLE COMPOUND

(51) International classification :C07D249/04
(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)INDOCO REMEDIES LIMITED
Address of Applicant :INDOCO HOUSE, 166 C.S.T. ROAD,
SANTACRUZ (EAST), MUMBAI- 400 098, MAHARASHTRA,
INDIA.
(72)Name of Inventor :
1)RAJADHYAKSHA, MANGESH NARAYAN
2)NAIR, RANJEET
3)P V RAMESAN
4)K. JOHNSON
5)PANANDIKAR ADITI MILIND

(57) Abstract :

The present invention discloses a process for the preparation of 1 -[(2,6-difluorophenyl)methyl]-1H-1,2,3-triazole-4-carboxamide of Formula 1, Formula I comprising regioselective cycloaddition of 2,6-difluorobenzyl halide of Formula II, wherein X is chloride, bromide or iodide; Formula I' with a compound of Formula IX; in which R is -COOR₁, wherein R₁ is hydrogen, C1-C4 linear or branched alkyl group, or-CN, or-CONH₂ or -CH₂OR₂. wherein R₂ is hydrogen or hydroxyl protecting group; in presence of an azide, Cu(I) species and a catalyst.

No. of Pages : 23 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2483/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : AN ANTIMICROBIAL MEMBRANE

(51) International classification	:C02F1/50; B01D71/34;B01D67/00
(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)HINDUSTAN UNILEVER LIMITED

Address of Applicant :A COMPANY INCORORATED
UNDER THE INDIAN COMPANIES ACT, 1913 AND
HAVING THE RAGISTERED OFFICE AT 165/166 BACKBAY
RECLAMATION, MUMBAI-400020, MAHARASHTRA,
INDIA.

(72)Name of Inventor :

1)MAHAPATRA SAMIRAN

2)SAMADDAR SATYAJIT

(57) Abstract :

The present invention relates to an antimicrobial membrane. More particularly the present invention relates to an antimicrobial membrane for purification of drinking water under gravity by removing harmful microorganism that exists in an input water source. One of the objects of the present invention is to provide an antimicrobial membrane with relatively high life time. It is another object of the invention to provide a water purification process without producing any byproduct. Surprisingly it has now been found that, a fabric filter impregnated with a thermoplastic polymer and silver halide capable of forming a antimicrobial membrane having ultrafiltration property that has long lasting life, requiring lesser number of interventions and without producing any byproduct and yet is capable of delivering microbiologically safe water.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2484/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : STEAM OPERATED WATER PUMP

(51) International classification	:F22B37/26; F04D7/00; F22D11/02	(71)Name of Applicant : 1)CHANDAK AJAY GIRDHARILAL Address of Applicant : 'SHAMGIRI', AGRA ROAD, OPP. SWAGAT LODGE, DEOPUR, DHULE 424005 STATE: 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	1)CHANDAK AJAY GIRDHARILAL
Filing Date	:NA	2)PATIL, SHAM DASHARATH
(87) International Publication No	: NA	3)RITESH KUMAR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A Steam operated water pump is provided. A Steam operated water pump include a pump tank inside open well, a boiler with steam inlet piping and inlet valve, a vent valve, non return valves on the inlet and delivery lines of the pump tank, a floating piston and or deflector inside the pumping tank.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2488/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : A SYSTEM AND METHOD FOR VISUALLY IMPAIRED INDIVIDUALS TO COMPOSE TEXT MESSAGES USING COMMUNICATION MEANS

(51) International classification	:G10L21/06; H04B1/38	(71) Name of Applicant : 1)TATA CONSULTANCY SERVICES LIMITED Address of Applicant :NIRMAL BUILDING, 9TH FLOOR, NARIMAN POINT, MUMBAI-400 021, 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	1)CHITTUR RAVICHANDER KARTHIK
(87) International Publication No	: NA	2)LOBO SYLVAN
(61) Patent of Addition to Application Number	:NA	3)KIMBAHUNE SANJAY
Filing Date	:NA	4)DOKE PANKAJ
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a method and system for individuals with visual impairments to compose a text message in a communication means. The system and method enables the visually impaired individuals to compose a text message in a communication means without typing the words and send the text message. The method of the present invention enables the visually impaired individuals to compose the text message using the numbers on the keypad of the communication means.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2499/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : OPTIONAL METHOD FOR RADIATOR AND GENERATION OF POWER FROM HEAT OF AUTOMOBILE

(51) International classification	:F01N5/02; F02G5/04	(71) Name of Applicant : 1)PAWAR RAJENDRA NAVNATH Address of Applicant :AT-KAHANDALWADI, (WAVI) TAL-SINNER, DIST. NASIK- 422104 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	1)PAWAR RAJENDRA NAVNATH
Filing Date	:NA	
(87) 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 is related to tapping the exhaust heat from exhaust of a vehicle and the heat rejected by the engine and using it for electric power generation in the vehicle. The electric power generation system comprises of source of water, temperature sensing means, pump, flow control thermostat valve, coiled water conduit placed inside the exhaust pipe/silencer of a vehicle wherein the coiled water conduit has a nozzle at its extreme end; the said extreme end with nozzle opening in the vaccum chamber, propeller with blades/turbine fitted in the vaccum chamber; water conveying pipe communicating from vaccum chamber to the condenser unit and then to the water source via water lifting pump; the alternator fitted in series to the shaft of the propeller with the rigid coupling. The system is environment friendly, simple, efficient and cost effective.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2498/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : VOIP CALLER RING BACK TONE

(51) International classification	:H04M19/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ROHAN DESHPANDE
(32) Priority Date	:NA	Address of Applicant :D-2, SARASWAT COLONY, ST
(33) Name of priority country	:NA	ROAD MAHIM, MUMBAI-400 016 Maharashtra India
(86) International Application No	:NA	2)SOUGATA GHOSH
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)ROHAN DESHPANDE
(61) Patent of Addition to Application Number	:NA	2)SOUGATA GHOSH
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An embodiment herein provides a Ring Back Tone (RBT) server to provide customized Ring Back Tones (RBT) to calling parties on a wireline or wireless network from a database associated with the RBT server. Each of the calling parties is associated with a contact 5 identification number. The RBT server includes a Voice over Internet Protocol (VoIP) gateway core (102) including VoIP signal processing stacks that initiate and receive VoIP connections from a TCP/IP network .(118) and produce a number of operational events to a upper level. A Finite State Machine (104) that handles the number of operational events and controls a state of the number of operational events. A CRBT gateway (106) that initiates a 10 caller back ring tone when a calling party receives a call request from a called party. The CRBT gateway (106) initiates the caller back ring tone when the CRBT gateway (106) receives an INCOMINGCALL event.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2501/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : HEAT EXCHANGER

(51) International classification	:F28F21/00; F28D7/00	(71) Name of Applicant : 1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY 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) Name of Inventor :
(86) International Application No	:NA	1)RANE MILIND VISHWANATH
Filing Date	:NA	2)TIWARI VIDYAPATI
(87) 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 heat exchanger (1) comprises atleast one heat exchange tube (2) disposed for heat transfer between two fluids of differential temperatures. One fluid flows through the heat exchange tube and the other fluid flows over the heat exchange tube. The heat exchanger further comprises atleast one tubular turbulator (3) for heat transfer between the two fluids located in contact with the heat exchange tube along the length of the heat exchange tube. The turbulator comprises a flexible wiry helical structure having a plurality of windings (4) of a thermally conducting material wire arranged along the length thereof. The windings have uniform diameter and are held together at close pitch distance with a thermally conducting springy material holding wire (5) running through the helical structure

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2502/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : SOLAR-FLUID HEATER

(51) International classification	:F24J2/00; F24J2/24	(71)Name of Applicant : 1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY 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)Name of Inventor :
(86) International Application No	:NA	1)RANE MILIND VISHWANATH
Filing Date	:NA	2)BHATT NILESH MANUBHAI
(87) 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 solar fluid heater (1) comprises a solar collector (2) having an evacuated glass tube of double walled construction comprising an inner absorber tube (3) and an outer protective tube (4) in spaced apart relationship with each other. One ends of the absorber and protective tubes are closed and the other ends of the absorber and protective tubes are sealed together (5). The space (6) between the absorber and protective tubes is evacuated. An open ended working fluid flow tube (7) is disposed within the absorber tube in spaced apart relationship with the absorber tube, The inner end of the working fluid flow tube is disposed in the proximity of the closed one end of the absorber tube and the outer end of the working fluid flow tube protrudes out of the other end of the absorber tube. A turbulator (8) is located in the space between the absorber tube and working fluid flow tube over the working fluid flow tube along the length thereof in contact with the absorber tube and working fluid flow tube. The turbulator comprises a flexible wiry helical structure having a plurality of windings (9) of a thermally conducting materia] wire arranged along the length thereof. The windings have a uniform diameter and are held together at a close pitch distance with a thermally conducting springy material holding wire (10) running through the helical structure. A main header (11) is partitioned into an inlet header (12) and an outlet header (13) by a partition wall (14). The outer end of the working fluid flow tube extends through the inlet header and is mounted in the partition wall and communicates with the outlet header. The inlet header communicates with the other end of the absorber tube. The space between the absorber tube and working fluid flow tube forms an inflow passage (15) for the working fluid and the space within the working fluid flow tube forms an outflow passage (16) for the working fluid

No. of Pages : 43 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.251/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :02/08/2010

(43) Publication Date : 07/06/2013

(54) Title of the invention : A MEDICINAL FUSIDIC ACID CREAM MADE USING SODIUM FUSIDATE AND INCORPORATING A BIOPOLYMER, A CORTICOSTEROID - BETAMETHASONE DIPROPIONATE AND AN ANTIFUNGAL AGENT- TERBINAFFINE HYDROCHLORIDE, AND A PROCESS TO MAKE IT

(51) International classification :A61K31/4174;A61K31/722;
A61K31/57
(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)MR. SULUR,SUBRAMANIAM VANANGAMUDI

Address of Applicant :NO:29,VGP LAYOUT,4TH ROAD,
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1)MR. SULUR,SUBRAMANIAM VANANGAMUDI

2)SRINIVASAN,MADHAVAN

3)CHULLIEL,NEELAKANDAN NARAYANAN

4)BALAKRISHNAN SELVARAJ

(57) Abstract :

The present invention discloses a medicinal composition for treating skin inflammations, fungal/bacterial skin infections and related wounds, and also other skin wounds including those caused by burns. The cream also causes skin rejuvenation through an epithelisation process. The active ingredients, namely Chitosan, Betamethasone Dipropionate, Terbinafine Hydrochloride and Fusidic Acid. The invention also discloses a process to make the medicinal cream containing Fusidic Acid which is formed in situ from Sodium Fusidate as the starting raw material, wherein Sodium Fusidate is converted into Fusidic Acid under oxygen-free environment created using inert gas, preferably nitrogen, and Chitosan. The cream produced by the process of the present invention has greater shelf-life stability and the finer particle size of the API than the conventional creams containing Fusidic Acid. The cream produced by the process of the present invention contains Fusidic Acid as the API that has been formed in situ from Sodium Fusidate, Betamethasone Dipropionate & Terbinafine Hydrochloride in a cream base comprising a preservative, an acid, a co-solvent, an emulsifier and a waxy material along with water, preferably purified water. The cream produced by the process of the present invention further optionally contains an ingredient selected from a group comprising, a buffering agent, an anti oxidant, a chelating agent, and a humectant, or any combination thereof.

No. of Pages : 91 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2505/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : A COMPOSITE SWITCH ASSEMBLY FOR A MOULDED CASE CIRCUIT BREAKER

(51) International classification	:H01H13/70; H01H25/00	(71)Name of Applicant : 1)LARSEN & TOUBRO LIMITED Address of Applicant :L&T HOUSE, BALLARD ESTATE, P.O. BOX NO. 278, MUMBAI 400 001, 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	1)NAYAN B. DEGDA
(87) International Publication No	: NA	2)CHANDRAKANT A. PATIL
(61) Patent of Addition to Application Number	:NA	3)SHUBHO SANYAL
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The various embodiments of the present invention provide a composite switch assembly for a molded case circuit breaker. According to one embodiment, the composite switch assembly comprises a housing provided with an electrical auxiliary switch. The switch assembly further comprises a trip alarm contact, an actuator assembly and a linkage mechanism. The electrical auxiliary switch is activated to provide a visual indication and a mechanical indication of ON, OFF or TRIP conditions simultaneously, when the circuit breaker is switched to ON, OFF or TRIP conditions by way of popping out of a lever. The switch assembly has a first micro-switch such as the auxiliary contact to indicate the ON or OFF indication and a second micro-switch such as the trip alarm contact to indicate a TRIP indication.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2506/MUM/2010 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : SYNTHESIS OF DRONEDARONE AND SALTS THEREOF

(51) International classification	:C07D307/80
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) 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)USV LIMITED

Address of Applicant :B.S.D. MARG, STATION ROAD,
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(72)Name of Inventor :

1)SATHE,DHANANJAY

2)PATIL SAMADHAN DAULAT

3)GAIKWAD, UMESH DILIP

4)MANTRIPRAGADA, NARAYANA RAO

5)SHINDE, AJIT BHASKAR

(57) Abstract :

The present invention relates to a process for preparation of Dronedarone or pharmaceutically acceptable salts thereof. More particularly, the present invention provides a process for preparation of Dronedarone hydrochloride, without the isolation of Dronedarone base.

No. of Pages : 31 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2508/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :29/08/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : AN IMAGING APPARATUS•

(51) International classification	:G03B11/04, H04N5/225	(71)Name of Applicant : 1)SONY CORPORATION
(31) Priority Document No	:2011221689	Address of Applicant :1-7-1 Konan Minato-ku Tokyo Japan
(32) Priority Date	:06/10/2011	(72)Name of Inventor :
(33) Name of priority country	:Japan	1)YUUKI SAKAGUCHI
(86) International Application No	:NA	
Filing Date	:NA	
(87) 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 imaging apparatus includes a housing to and from which an accessory can be attached and detached, a mirror that is placed inside the housing and reflects light entering the housing, a device unit that is placed inside the housing and has an imaging device, the imaging device photoelectrically converting light reflected by the mirror, and a light blocking plate that blocks a part of light going toward the device unit. The light blocking plate can be moved between a light blocking position that blocks a part of light going toward the device unit, and a retracted position in which the light blocking plate is retracted when a predetermined operation is performed on the device unit.

No. of Pages : 46 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2296/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :13/03/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : METHOD FOR CONTROL OF A GEARBOX

(51) International classification :F16H59/48

(31) Priority Document No :0901182-6

(32) Priority Date :14/09/2009

(33) Name of priority country :Sweden

(86) International Application No :PCT/SE2010/050980
Filing Date :14/09/2010

(87) International Publication No :WO 2011/031229
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)SCANIA CV AB

Address of Applicant :S-151 87 SODERTALJE Sweden

(72)Name of Inventor :

1)FREDRIK SWARTLING

2)MIKAEL WAGBERG

(57) Abstract :

The present invention relates to a system for control of a gearbox, comprising at least one control unit intended to control said gearbox in a motor vehicle provided with an engine connected to, in order to drive, said gearbox, such that said system is adapted to effecting a downshift in said gearbox from a first gear for which said vehicle's acceleration a is negative to a second gear for which the acceleration a is positive or zero, said downshift involves at least one intermediate gear step between said first and second gears, and the highest engine speed at each intermediate gear step is as high as, or higher than, the highest engine speed at preceding intermediate gear steps. The invention relates also to a method, a motor vehicle, a computer programme and a computer programme product thereof

No. of Pages : 20 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2297/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :13/03/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : **HARDWARE SIMPLIFICATION OF SIC-MIMO DECODING BY USE OF A SINGLE HARDWARE ELEMENT WITH CHANNEL AND NOISE ADAPTATION FOR INTERFERENCE CANCELLED STREAMS**

(51) International classification	:H04L1/00
(31) Priority Document No	:12/552,647
(32) Priority Date	:02/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/047724
Filing Date	:02/09/2010
(87) International Publication No	:WO 2011/028936 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

1)ATUL A. SALVEKAR

2)JIA TANG

3)JONG HYEON PARK

4)SHANTANU KHARE

(57) Abstract :

Certain aspects of the present disclosure relate to a method and an apparatus for simplified serial interference cancellation in multiple-input multiple-output (MIMO) and non-MIMO wireless systems by using a single hardware element for multiple interference cancelled streams.

No. of Pages : 35 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2301/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :13/03/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : METHOD FOR CONTROL OF A GEARBOX

(51) International classification :F16H61/02

(31) Priority Document No :0901182-6

(32) Priority Date :14/09/2009

(33) Name of priority country :Sweden

(86) International Application No :PCT/SE2010/050985
Filing Date :14/09/2010

(87) International Publication No :WO 2011/031232
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)SCANIA CV AB

Address of Applicant :S-151 87 SODERTALJE Sweden

(72)Name of Inventor :

1)FREDRIK SWARTLING

2)MIKAEL WAGBERG

(57) Abstract :

The present invention relates to a system for control of a gearbox, comprising at least one control unit intended to control said gearbox in a motor vehicle provided with an engine connected to, in order to drive, said gearbox, such that said system is adapted to effecting a downshift in said gearbox from a first gear for which said vehicle's acceleration a is negative to a second gear for which the acceleration a is positive or zero, said downshift involves at least one intermediate gear step between said first and second gears, and the highest engine speed at each intermediate gear step is as high as, or higher than, the highest engine speed at preceding intermediate gear steps. The invention relates also to a method, a motor vehicle, a computer programme and a computer programme product thereof

No. of Pages : 20 No. of Claims : 17

(54) Title of the invention : KEY CARD FOR COMPATIBLE TRANSPORTATION CARD AND OPERATING METHOD OF KEY CARD FOR TRANSPORTATION CARD

(51) International classification :G06K19/073
 (31) Priority Document No :10-2009-0088754
 (32) Priority Date :18/09/2009
 (33) Name of priority country :Republic of Korea
 (86) International Application No :PCT/KR2009/006021
 Filing Date :19/09/2009
 (87) International Publication No :WO 2011/034244 A1
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
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(72)Name of Inventor :
1)LEE, KI HAN

(57) Abstract :

The present invention relates to a key card for a nationally-compatible transportation card and an operating method of the key card for the transportation card. First, according to the present invention, the key card for the transportation card comprises an information storage unit, an information delivery unit, and a key card controller for a transportation card. Next, according to the present invention, the operating method of the key card for the transportation card comprises the steps of: the key card for the transportation card, delivering CTKEY information of key information on each electronic cash company and IDCENTER information which is the identification of each electronic cash company to a PSAM, after a master key and KEY information which is the key information on each electronic cash company are inserted into the key card for the transportation card; and the key card for the transportation card, delivering MPKEY information, TMKEY information, and INDKEY information of the key information on each electronic cash company to the PSAM, after the key card for the transportation card forms a session with the PSAM by using the inserted CTKEY information. According to the present invention, nationally-compatible transportation cards can be used through the system operation on the basis of the key card for the transportation card, thereby solving the inconvenience for the user to carry the multiple transportation cards. Further, a nationally-common technological standard for transportation cards is formulated, and a stable transportation card system is operated.

No. of Pages : 38 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2385/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : METHODS OF RADIO COMMUNICATION INVOLVING MULTIPLE RADIO CHANNELS, AND RADIO SIGNAL REPEATER AND MOBILE STATION APPARATUSES IMPLEMENTING SAME

(51) International classification	:H04W16/26
(31) Priority Document No	:61/245,349
(32) Priority Date	:24/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2010/001530
Filing Date	:24/09/2010
(87) International Publication No	:WO 2011/035440 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
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2)WEN TONG
3)JIANGLEI MA
4)PEIYING ZHU
5)MING JIA

(57) Abstract :

A method of facilitating radio communications involves receiving a first message from a first remote radio station on a first radio channel, transmitting the first message to a second remote radio station on a second radio channel, receiving a second message from the second remote radio station on a third radio channel, and transmitting the second message to the first remote radio station on a fourth radio channel. A method of radio communication involves receiving a first radio signal from a first remote radio station on a first radio channel, transmitting a second radio signal to the first remote radio station on a second radio channel, receiving a third radio signal from a second remote radio station on a third radio channel, and transmitting a fourth radio signal to the second remote radio station on a fourth radio channel. Radio signal repeater and mobile station apparatuses are also disclosed.

No. of Pages : 69 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2441/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : METHOD FOR AUTOMATICALLY LOADING A FEED LINE WITH BULK MATERIAL

(51) International classification :B65G53/66
(31) Priority Document No :A 1311/2009
(32) Priority Date :20/08/2009
(33) Name of priority country :Austria
(86) International Application No :PCT/AT2010/000301
Filing Date :17/08/2010
(87) International Publication No :WO 2011/020132 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)WITTMANN KUNSTSTOFFGERATE GMBH
Address of Applicant :LICHTBLAUSTR 10, A-1220, WIEN
Austria
(72)Name of Inventor :
1)VIERLING, ANDREAS

(57) Abstract :

The invention relates to a method for automatically loading a feed line (4) with bulk material (2), in particular a plastic granular material, in a suction delivery system having at least one material separator, which is provided at a distance to a reservoir (1). For the area of the loading point, at least one target value for the air speed is empirically determined from feed line parameters related to the feed line (4) and from material parameters related to the bulk material (2). In the area of the loading point, the air speed is measured in the feed line (4). The target value and the measured value of the air speed are fed to a controller. When the target value is reached, bulk material (2) is added in a metered manner, wherein the bulk material (2) is added in a metered manner according to the measured value of the air speed, for example continuously or in cycles. An orifice (6) having a pressure switch (7) for measuring the air speed is provided in the area of the loading device (3), and the loading device (3) is designed as a metering apparatus.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2489/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : PYRROLIDINE GPR40 MODULATORS

(51) International classification	:C07D207/06
(31) Priority Document No	:61/248,896
(32) Priority Date	:06/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/051389
Filing Date	:05/10/2010
(87) International Publication No	:WO 2011/044073 A1
(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)ELLSWORTH, BRUCE A.

2)EWING, WILLIAM R.

3)JURICA, ELIZABETH A.

(57) Abstract :

The present invention provides compounds of Formula (I): or a stereoisomer, or a pharmaceutically acceptable salt thereof, wherein all of the variables are as defined herein. These compounds are GPR40 G protein-coupled receptor modulators which may be used as medicaments.

No. of Pages : 187 No. of Claims : 10

(54) Title of the invention : PRODUCTION OF PROPANOLS, ALCOHOLS, AND POLYOLS IN CONSOLIDATED BIOPROCESSING ORGANISMS

(51) International classification	:C12P7/00
(31) Priority Document No	:61/235,959
(32) Priority Date	:21/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/046172
Filing Date	:20/08/2010
(87) International Publication No	:WO 2011/022651 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(57) Abstract :

The present invention provides for novel metabolic pathways leading to propanol, alcohol or polyol formation in a consolidated bioprocessing system (CBP), where lignocellulosic biomass is efficiently converted to such products. More specifically, the invention provides for a recombinant microorganism, where the microorganism expresses one or more native and/or heterologous enzymes; where the one or more enzymes function in one or more engineered metabolic pathways to achieve: (1) conversion of a carbohydrate source to 1,2-propanediol, isopropanol, ethanol and/or glycerol; (2) conversion of a carbohydrate source to n-propanol and isopropanol; (3) conversion of a carbohydrate source to isopropanol and methanol; or (4) conversion of a carbohydrate source to propanediol and acetone; wherein the one or more native and/or heterologous enzymes is activated, upregulated or downregulated.

No. of Pages : 409 No. of Claims : 105

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1634/CHE/2009 A

(19) INDIA

(22) Date of filing of Application :09/07/2009

(43) Publication Date : 07/06/2013

(54) Title of the invention : AN IMPROVED PROCESS FOR THE PREPARATION OF DUTASTERIDE

(51) International classification :C07J73/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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5)ANANTA RANI

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7)MEENAKSHISUNDERAM SIVAKUMARAN

(57) Abstract :

The present invention provides an improved process for the preparation of Dutasteride (I) which comprises: (i) reacting 4-aza-5a-androst-1-en-3-one-17p-carboxylic acid (VII), With sulfonic acid anhydride (RSO₂)₂O in presence of base to produce an intermediate compound of formula(XIII), Wherein R represents C1-6 alkyl, C1-6 halo alkyl, C6-10 aryl, halo aryl; (ii) condensing compound of Formula (XIII) with 2,5-bis(trifluoromethyl)aniline (III),Formula III in the presence or absence of a base to produce Dutasteride (I).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2526/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : REFRIGERANT COMPRESSOR AND REFRIGERATION CYCLE APPARATUS

(51) International classification	:F04C 29/00
(31) Priority Document No	:2009-217840
(32) Priority Date	:18/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/065441
Filing Date	:08/09/2010
(87) International Publication No	:WO 2011/033977
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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3)KAZU TAKASHIMA

(57) Abstract :

A refrigerant compressor includes a compression unit having a roller and a vane for compressing refrigerant. The vane has a film having first to fourth layers on its metallic base member. The first layer is made of chromium. The second layer is made of chromium and tungsten-carbide. The third layer is made of metal-containing amorphous-carbon containing at least tungsten or tungsten-carbide. The fourth layer is made of non-metal-containing amorphous-carbon containing carbon and hydrogen. In the second layer, chromium content-rate on a first-layer side is larger than on a third-layer side, and tungsten-carbide content-rate on the third-layer side is larger than on the first-layer side. In the third layer, content-rate of the at least tungsten or tungsten-carbide on a second-layer side is larger than on a fourth-layer side. The roller with which an end-edge of the vane slidably-contacts is made of flake graphite cast iron containing molybdenum, nickel and chromium.

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

(54) Title of the invention : A PRIVACY VAULT FOR MAINTAINING THE PRIVACY OF USER PROFILES

(51) International classification :G06Q50/00
 (31) Priority Document No :12/575,260
 (32) Priority Date :07/10/2009
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2010/051625
 Filing Date :06/10/2010
 (87) International Publication No :WO 2011/044232 A3
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)**Name of Applicant :**
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10)HA, VU A.
11)CANNON, DARRELL JAY
12)TOUTONGHI, MICHAEL JOSEPH
13)BARASH, URI
14)DWORK, CYNTHIA
15)MAH, TERESA
16)LI, YING

(57) Abstract :

Methods, systems, and computer-readable media for facilitating personalization of web content is provided, while protecting privacy of the user data utilized to personalize user's experience. A privacy vault may collect user data including user activity data, demographic data, and user interests submitted by user. In one embodiment, the privacy vault operates on a user client device. The privacy vault sends user data to a community vault that collects user data from multiple users. The community vault generates segment rules that whether user belongs to a user segment, which expresses user's interest. The segment rules are then communicated back to privacy vault, which assigns one or more user segments to the user based on user data available to the privacy vault and the segment rules. The privacy vault may communicate user segments to one or more content providers that supply personalized content that is selected based on the user segments provided.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2707/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : DISPLAY CONTROL DEVICE

(51) International classification	:G01N 15/00
(31) Priority Document No	:2009-196933
(32) Priority Date	:27/08/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/063868
Filing Date	:17/08/2010
(87) International Publication No	:WO 2011/024672
	A1
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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1)OKUNO, HIROKI

(57) Abstract :

An air purifier includes a detection apparatus, calculates a relative value of the number of microorganisms detected from airborne particles by the detection apparatus to a prescribed total value (SI03), and determines a central angle a corresponding to the relative value (S105). Further, regarding the number of airborne particles other than microorganisms detected by the detection apparatus as the number of dusts, relative value of dust particles to a prescribed total value is calculated (SI07), and the central angle P corresponding to the relative value is determined (S109). On a display panel, the amount of microorganisms is displayed as a bacteria meter by the area from the start position to the angle a, and by the following area to the angle P, the number of dusts is displayed as a dust meter, in a circle graph. In addition, the mount of dust and microorganism particles in the air is displayed as pollution meter, to the angle y as the sum of central angles of the bacteria meter and the dust meter, in the circle graph (SI 15).

No. of Pages : 140 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2592/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : IMIDAZOPYRIDINE OR IMIDAZOPYRIMIDINE DERIVATIVES AS PHOSPHODIESTERASE 10A INHIBITORS

(51) International classification	:C07D471/04
(31) Priority Document No	:09171253.9
(32) Priority Date	:24/09/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/063830
Filing Date	:21/09/2010
(87) International Publication No	:WO 2011/036127
	A1
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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4)FLOHR, ALEXANDER

5)GROEBKE ZBINDEN, KATRIN

6)KOERNER, MATTHIAS

7)KUHN, BERND

8)PETERS, JENS-UWE

9)RUDOLPH, MARKUS

(57) Abstract :

The invention is concerned with novel imidazopyridine derivatives of formula (I) wherein R1, R2, R3, R4, R5 and A are as defined in the description and in the claims, as well as physiologically acceptable salts and esters thereof. These compounds inhibit PDE10A and can be used as medicaments.

No. of Pages : 95 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2728/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : LIGHT ASSEMBLY FOR A VEHICLE

(51) International classification	:F21S8/10
(31) Priority Document No	:61/238,498
(32) Priority Date	:31/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/047283
Filing Date	:31/08/2010
(87) International Publication No	:WO 2011/026088 A2
(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)ZELIKOVSKAYA, NADESHDA,
ALEXANSANDROVNA
3)MELHADO MOYA, FELIPE DE JESUS DOMINGO

(57) Abstract :

The invention provides a light assembly, to enable various light functions, such as braking lights, tail lights, license plate lights, flashers, etc., using LEDs that consumer low power and have a long service life. The LEDs are located on a single, two-sided printed circuit board (PCB), which reduces the assembly costs and the size of tail light, as well as the complexity of assembly.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2849/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : SCENTED CAPSULES

(51) International classification	:A61K9/48
(31) Priority Document No	:61/239,819
(32) Priority Date	:04/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/053798
Filing Date	:24/08/2010
(87) International Publication No	:WO 2011/027258
	A3
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)CADE, DOMINIQUE, NICOLAS

2)TARDY, CLAIRE, GENEVIEVE, ODILE

(57) Abstract :

The present invention relates to new scented hard capsules, a process for their manufacture and use of such capsules particularly but not exclusively for oral administration to humans or animals of products such as pharmaceuticals or cosmetics.

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

(54) Title of the invention : ELECTROLYTIC REACTION SYSTEM FOR PRODUCING GASEOUS HYDROGEN AND OXYGEN

(51) International classification	:C25B 1/04	(71)Name of Applicant :
(31) Priority Document No	:A	1)NEW ENERGY AG
(32) Priority Date	1531/2009	Address of Applicant :UNTERTHALHAM STRABE 2 A-
(33) Name of priority country	:29/09/2009	4694 OHLSDORF Austria
(86) International Application No	:Austria	(72)Name of Inventor :
Filing Date	:PCT/AT	1)LOTHRING, ADOLF
	2010/000357	
	:29/09/2010	
	:WO	
(87) International Publication No	2011/038432	
	A1	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to an electrolytic reaction system (1) for generating gaseous hydrogen and oxygen, comprising a reaction chamber (2) for accommodating an electrolyte and an electrode arrangement (3) comprising a plurality of anodic and cathodic electrodes (5, 6). The electrode arrangement (3) comprises a plurality of plate-shaped electrodes (5, 6) fanned out in a star-shaped arrangement, and a virtual fanning axis (7) of the star-shaped electrode arrangement (3) lies at least approximately on a virtual, central cylinder or vertical axis (8) or is congruent with a virtual, central cylinder or vertical axis (8) of the reaction chamber (2). At least one electromagnetic coil (13) is disposed above and/or underneath the star-shaped electrode arrangement (3) in the axial direction of the virtual cylinder or vertical axis (8), the electromagnetic field of which acts on the electrolyte and on the electrode arrangement (3) when exposed to electrical energy. Based on another embodiment, the electrode arrangement (3) comprises at least two, preferably more than at least three, tubular electrodes disposed coaxially or approximately coaxially one inside the other. This results in an improved, in particular especially efficient, electrolytic reaction system (1).

No. of Pages : 60 No. of Claims : 38

(54) Title of the invention : TOP LANCE FOR REFINING AND METHOD FOR REFINING HOT METAL USING THE TOP LANCE

(51) International classification	:C21C 5/46	(71)Name of Applicant :
(31) Priority Document No	:2009-243268	1)JFE STEEL CORPORATION
(32) Priority Date	:22/10/2009	Address of Applicant :2-3, UCHISAIWAI-CHO 2-CHOME,I
(33) Name of priority country	:Japan	CHIYODA-KU, TOKYO 100011 Japan
(86) International Application No	:PCT/JP2010/069118	(72)Name of Inventor :
Filing Date	:21/10/2010	1)UCHIDA, YUICHI
(87) International Publication No	:WO 2011/049240	2)OGASAWARA, FUTOSHI
	A1	3)KATO, NORIYASU
(61) Patent of Addition to Application	:NA	4)KOGE, MASAYUKI
Number	:NA	5)IGARASHI, YUMA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a top lance for refining which has, disposed at the lower end of the lance, a primary nozzle (11) and a secondary nozzle (12) that extend vertically downward or obliquely downward, and which has, disposed in the lateral part of the lance which is located above at a distance from the lower end, a nozzle (13) for secondary combustion that extends horizontally or obliquely downward. The top lance further has therein: a first supply passage for supplying a powder' through the primary nozzle together with an oxygenic gas for blowing, the powder being not a solid oxygen source, or for supplying through the primary nozzle an oxygenic gas for blowing; a second supply passage for supplying an oxygenic gas for secondary combustion through the nozzle for secondary combustion; and a third supply passage for supplying a powdery solid oxygen source through the secondary nozzle together with a carrier gas. When molten iron or molten steel is subjected to oxidation refining, this top lance not only enables the oxidation refining to be conducted efficiently but also is effective in efficiently melting the metal adherent to the converter-type refining vessel.

No. of Pages : 64 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2903/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :29/03/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : MRI AND OPTICAL ASSAYS FOR PROTEASES

(51) International classification :C12Q1/37
(31) Priority Document No :61/239,313
(32) Priority Date :02/09/2009
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2010/047301
Filing Date :31/08/2010
(87) International Publication No :WO 2011/028698 A2
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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5)WANG, HONGWANG

6)CHIKAN, VIKTOR

7)KROH, FRANKLIN, ORBAN

8)KOPER, OLGA, BARBARA

9)WALKER, BRANDON RAY

10)LEAYM, XIAOXUAN

(57) Abstract :

The present invention provides multifunctional nanoplatfroms for assessing the activity of a protease in vivo or in vitro, along with methods of imaging and detecting the presence of cancerous or precancerous tissues, and the therapeutic treatment thereof, including monitoring of treatment. The diagnostic nanoplatfroms comprise nanoparticles and are linked to each other or other particles via an oligopeptide linkage that comprises a consensus sequence specific for the target protease. Cleavage of the sequence by the target protease can be detected using various sensors, and the diagnostic results can be correlated with cancer prognosis. Individual unlinked nanoplatfroms are also adaptable for therapeutic hyperthermia treatment of the cancerous tissue.

No. of Pages : 163 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2920/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : RUPTURE DISK

(51) International classification	:F16K17/16
(31) Priority Document No	:61/272,497
(32) Priority Date	:30/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/050779
Filing Date	:29/09/2010
(87) International Publication No	:WO 2011/041456 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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3)BRAZIER, GEOFF

(57) Abstract :

A rupture disk (20), along with associated methods, is disclosed. More particularly, a miniaturized rupture disk is disclosed, comprising a transition area (23) configured to determine a pressure at which the rupture able portion will rupture. A method for forming a rupture disk is also disclosed, wherein a radius (R) of a transition area is configured to set the burst pressure of the rupture disk. A rupture disk having an indent at its apex (24) and a circular line of weakness configured to improve opening performance is also disclosed. Additionally, a method of relieving pressure in a pressurized system is disclosed, wherein a set of rupture disks is provided, wherein each rupture disk in the set has a different radius of transition area. A rupture disk may be selected from the set and installed based on a burst pressure set by the radius of transition area.

No. of Pages : 44 No. of Claims : 76

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2922/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : METHOD AND DEVICE FOR COMMINUTING ORE

(51) International classification	:B02C 19/00
(31) Priority Document No	:10 2009 047 818.3
(32) Priority Date	:30/09/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/005979
Filing Date	:30/09/2010
(87) International Publication No	:WO 2011/038914
	A4
(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)GHARAGOZLU, PARVIZ

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1)GHARAGOZLU, PARVIZ

(57) Abstract :

The invention relates to a device and method for comminuting ore and/or in particular slag, comprising an ore feeding unit for feeding ore to be comminuted to a pulverizer, wherein the pulverizer is composed at least of two comminuting elements (30, 40) that can be moved relative to each other, which elements form at least one comminuting space for the ore to be comminuted with each other such that, by a relative movement in the form of a rotation of at least one of the two comminuting elements (30, 40), the ore to be comminuted is pulverized in that one or more accelerating elements (35), in particular protrusions (35), are provided on at least one of the comminuting elements (30,40), said accelerating elements being arranged in particular on the end face of at least one of the two comminuting elements (30, 40) and accelerating and comminuting the ore to be comminuted by the rotation of one of the two comminuting elements (30, 40). An intermediate space (60) is provided between the two comminuting elements (30, 40) and/or in at least one of the two comminuting elements, through which gap the pulverized ore, during the rotation, is transported from the center of rotation toward the outside and away by the two comminuting elements (30, 40), and an outlet unit (14) is provided, which is connected to the intermediate space (60) and through which the pulverized ore is discharged.

No. of Pages : 39 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2948/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : MOLECULAR PROBE FOR IMAGING OF PANCREATIC ISLETS AND USE OF THE SAME

(51) International classification :A61K 51/00
(31) Priority Document No :2009-228658
(32) Priority Date :30/09/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/066940
Filing Date :29/09/2010
(87) International Publication No :WO 2011/040460
A1
(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)KIMURA, HIROYUKI
5)HIRAO, KONOMU
6)NAGAKAWA, KENJI
7)MATSUDA, HIROKAZU

(57) Abstract :

A molecular probe for imaging of pancreatic islets is provided The molecular probe includes a polypeptide represented by the following formula (I), or a polypeptide that has a homology with the foregoing polypeptide. Z-HGEGTFIHDISKQMEEEAVRIJTEWLKNGPSSGAPPSX-NH₂ (I) (SEQDDNO. I) Wherein X' represents a lysine residue, an amino group of a side chain of the lysine residue being labeled with a group represented by the following formula (1), Wherein X represents an aromatic hydrocarbon group or an aromatic heterocyclic group! R₁ represents a substituent that contains ¹¹C, ¹³N, ¹⁵O, ¹⁸F, ⁶⁴Cu, ⁶⁷Ga, ⁶⁸Ga, ⁷⁵Br, ⁷⁶Br, ⁷⁷Br, ⁹⁹Tc, ¹¹¹In, ¹²³I, ¹²⁴I, ¹²⁵I, or ¹³¹I R₂ represents either a hydrogen atom, or a substituent different from that represented by R₁; and R₃ represents any one of a bond an alkylene group having 1 to 6 carbon atoms, and an oxyalkylene group having 1 to 6 carbon atoms.

No. of Pages : 73 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2953/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : METHOD OF RADIO-SYNTHETIC EXAMINATION OF SPECIMENS

(51) International classification :G01N23/04

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/FR2009/001168
Filing Date :30/09/2009

(87) International Publication No :WO 2011/039427
A1

(61) Patent of Addition 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)PERRIN, JEAN-BERNARD

2)PHILIPPE, JEAN-ROBERT

(57) Abstract :

The invention relates to a method of continuous non-destructive examination of specimens by so-called radio-synthesis, which can be integrated into the process for managing the life cycle of said specimens. This method operates by means of at least one X-ray source and of at least one digital sensor forming a pair with said source, source and sensor moving along opposite and homothetic trajectories inside a motion space, for each real-time generation of at least one cross section of each specimen.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3036/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :03/04/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : AIR CONDITIONER

(51) International classification	:F24F11/02
(31) Priority Document No	:2009-231283
(32) Priority Date	:05/10/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/004829
Filing Date	:30/07/2010
(87) International Publication No	:WO 2011/043014
	A1
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)MORIKAWA, TOMOTAKA

2)SUGIO, TAKASHI

3)KAWANO, YUSUKE

4)OTA, MASAYA

(57) Abstract :

An air conditioner includes an indoor unit, a plurality of wind direction changing blades mounted to the indoor unit to change a direction of air blown out from the indoor unit, and an obstacle detecting device mounted to the indoor unit to detect presence or absence of an obstacle. Air conditioning is conducted by controlling the wind direction changing blades based on a detection result of the obstacle detecting device. In detecting the presence or absence of an obstacle, the obstacle detecting device scans an area to be air conditioned vertically downward and horizontally at intervals of a predetermined drive angle. At least one of the drive angle in the vertically downward direction and that in the horizontal direction is not constant.

No. of Pages : 126 No. of Claims : 5

(54) Title of the invention : IMAGE DISPLAYING APPARATUS

(51) International classification	:H04N7/01, G02F1/133, G09G3/20, G09G3/36
(31) Priority Document No	:2009-217423
(32) Priority Date	:18/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/065373
Filing Date	:08/09/2010
(87) International Publication No	:WO 2011/033972
	A1
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SHARP KABUSHIKI KAISHAAddress of Applicant :22-22, NAGAIKE-CHO, ABENO-KU,
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(72)Name of Inventor :

1)WATANABE, MIHOKO

(57) Abstract :

Disclosed is an image displaying apparatus which executes FRC process, wherein image deterioration in a boundary portion between a still image display area and its periphery is prevented. When the magnitude of the motion vector of an object (54) in the periphery (53) of a still image display area (52) is less than a predetermined threshold value, an interpolation frame generation portion (14b) of the present invention defines the pixel values of a still image display area (52) and its periphery (53) of the frame #n as the interpolation pixel values of a still image display area (62) and its periphery (63) of the interpolation frame #1. Further, when the magnitude of the motion vector of the object (54) is equal to or greater than the predetermined threshold value, the pixel values of the still image display area (52) and its periphery (53) of the frame #n+1 are defined as the interpolated pixel values of the still image display area (62) and its periphery (63) of the interpolation frame #1.

No. of Pages : 32 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3039/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :03/04/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : CONNECTOR MODULE FOR TELECOMMUNICATION PATCH PANELS

(51) International classification :G02B6/46
(31) Priority Document No :0917498.8
(32) Priority Date :07/10/2009
(33) Name of priority country :U.K.
(86) International Application No :PCT/US2010/051607
Filing Date :06/10/2010
(87) International Publication No :WO 2011/044219 A3
(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)DENTER, FRIEDRICH, WILHELM
2)REINHARDT, JOERG
3)PIMENTEL, NELSON, GONCALVES
4)LUTTERKORDT, ULRICH

(57) Abstract :

A connector module (15) for use in a telecommunications patch panel (1) comprises at least one front connector port (21) positioned to receive a patch cord incoming to the module from the front side of a patch panel; and a respective cable-attachment member (23) to which a cable, incoming to the module from the rear side of a patch panel, can be secured. The module (15), including its cable-attachment member (23) and any cable secured thereto, can be inserted into and withdrawn from the patch panel (1) from the front side of the panel. The module may further comprise a rear connector port (19) positioned to receive a cable incoming to module from the rear side of a patch panel.

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

(54) Title of the invention : PERIPHERAL CONTROL SYSTEM, DISPLAY DEVICE, AND PERIPHERAL

(51) International classification	:H04N5/445, H04N7/173
(31) Priority Document No	:2009-224519
(32) Priority Date	:29/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/064141
Filing Date	:23/08/2010
(87) International Publication No	:WO 2011/040144 A1
(61) Patent of Addition 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)HASEGAWA, HIROSHI**2)ODA, MAMORU****3)KIMURA, KENICHI****4)YOSHIDA, TATSUYA****5)SATO, YOSHINORI**

(57) Abstract :

Provided is a peripheral control system which enhances expandability in the operation of peripheral by enabling the customization and display of operation panels for each of the peripherals, regardless of whether any operation panel exists at the display device side. The peripheral control system is configured by connecting a TV (20) and a recorder (10) via an HDMI connection. The TV (20) has, stored therein, operation panel information that includes array information for arraying, on the screen, image data of the operation buttons that comprise the operation panel of the recorder (10). The recorder (10) has stored therein image data of the operation buttons, and sends, according to operation panel information obtained from the TV (20), the aforementioned stored image data of the operation buttons in association with the array information thereof, to the TV (20). The TV (20), upon displaying the operation panel of the recorder (10), disposes and displays image data of the operation buttons sent from the recorder (10), at a position that is in accordance with the array information.

No. of Pages : 76 No. of Claims : 18

(54) Title of the invention : CONTAINERS AND METHODS FOR DISPENSING MULTIPLE DOSES OF A CONCENTRATED LIQUID, AND SHELF STABLE CONCENTRATED LIQUIDS

(51) International classification	:B65D47/20, B01F3/08, B01F5/02, B01F15/02	(71)Name of Applicant : 1)KRAFT FOODS GLOBAL BRANDS LLC Address of Applicant :THREE LAKES DRIVE, NORTHFIELD, ILLINOIS 60093 U.S.A.
(31) Priority Document No	:61/241,584	(72)Name of Inventor :
(32) Priority Date	:11/09/2009	1)RAGNARSSON, KARL
(33) Name of priority country	:U.S.A.	2)PALEKAR, MANGESH
(86) International Application No	:PCT/US2010/048449	3)ALBAUM, GARY, J.
Filing Date	:10/09/2010	4)MACDONALD, JANE LEE
(87) International Publication No	:WO 2011/031985 A3	5)SCAROLA, LEONARD S.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Containers and methods are provided for dispensing a liquid concentrate utilizing one or more desirable properties including a generally consistent discharge across a range of squeeze forces, a generally consistent discharge with the same force without significant dependence on the amount of liquid concentrate in the container, a substantially dripless or leak proof outlet opening, a jet that minimizes splashing when the liquid concentrate impacts a target liquid, and a jet that maximizes mixing between the liquid concentrate and the target liquid to produce a generally homogenous mixture without the use of extraneous utensils or shaking. Also provided are liquid beverage concentrates that can be cold filled during packaging, while maintaining shelf stability for at least twelve months at ambient temperatures. Concentrate can have a combination of low pH and high alcohol content such as a pH less than 3.5 and alcohol content great than 5 percent by weight.

No. of Pages : 68 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3033/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :03/04/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : PHENYLOXADIAZOLE DERIVATIVES AS PGDS INHIBITORS

(51) International classification	:C07D271/06, A61K31/506, A61P37/00
(31) Priority Document No	:61/249,693
(32) Priority Date	:08/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/051727
Filing Date	:07/10/2010
(87) International Publication No	:WO 2011/044307 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)VANDEUSEN, CHRISTOPHER, L.

2)WEIBERTH, FRANZ J.

3)GILL, HARPAL S.

4)LEE, GEORGE

5)HILLEGASS, ANDREA

(57) Abstract :

vention is directed to a compound of formula (I);wherein R1,R2 and R3 are as defined a pharmaceutical composition comprising the compound, intermediates and process aking said compounds, and the use of the compound to treat allergic and/or matory disorders, particularly disorders such as allergic rhinitis, asthma, chronic active pulmonary disease(COPD) and age-related macular degeneration (AMD)

No. of Pages : 50 No. of Claims : 24

(54) Title of the invention : DRIVE MECHANISM FOR DRUG DELIVERY DEVICES

(51) International classification	:A61M5/315, A61M5/24
(31) Priority Document No	:09172507.7
(32) Priority Date	:08/10/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/065096
Filing Date	:08/10/2010
(87) International Publication No	:WO 2011/042539
	A1
(61) Patent of Addition 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)HELMER, MICHAEL**2)MATTHIAS, CLAUDIA****3)NOBER, PETER****4)SHAHBAZFAR, REZA****5)SCHAFFER, BENJAMIN****6)ZEIMETZ, LEO**

(57) Abstract :

The present invention relates to a drive mechanism for a drug delivery device for dispensing of a dose of a medicinal product, comprising: a holder (14) for a product-containing cartridge (18), the cartridge (18) having a piston (20) slidably arranged therein in an axial direction, a piston rod (22; 52) to be operably engaged with the cartridges piston (18) for dispensing of a dose of the medicinal product, an adjusting assembly (30; 68) adapted to eliminate axial clearance between the piston (20) and the piston rod (22; 52), wherein the adjusting assembly (30; 68) comprises at least one radially extending spike element (34; 56) for mutually locking in position the piston (20) and the piston rod (22; 52) irrespective of the relative distance between piston (20) and piston rod (22; 52).

No. of Pages : 26 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3035/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :03/04/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : OSCILLATOR HAVING NEGATIVE RESISTANCE ELEMENT

(51) International classification	:H03B7/08
(31) Priority Document No	:2009-205673
(32) Priority Date	:07/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/064036
Filing Date	:13/08/2010
(87) International Publication No	:WO 2011/027671
	A1
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)OUCHI, TOSHIHIKO
2)SEKIGUCHI, RYOTA

(57) Abstract :

An oscillator has a negative resistance element and a resonator along with a capacitor electrically connected in parallel with the negative resistance element relative to a power bias circuit, a capacitance of the capacitor being so selected as to suppress any parasitic oscillation due to the power bias circuit and allow oscillation at a resonance frequency due to the negative resistance element and the resonator.

No. of Pages : 27 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3046/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :03/04/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : NOVEL COMPOUNDS EFFECTIVE AS XANTHINE OXIDASE INHIBITORS, METHOD FOR PREPARING THE SAME, AND PHARMACEUTICAL COMPOSITION CONTAINING THE SAME

		(71)Name of Applicant : 1)LG LIFE SCIENCES LTD. Address of Applicant :LG GWANGHWAMUN BLDG., 92, SINMUNNO 2-GA, JONGNO-GU, SEOUL-110-062 Republic of Korea
(51) International classification	:C07D403/02	(72)Name of Inventor :
(31) Priority Document No	:10-2009-0095363	1)SONG, JEONG UK
(32) Priority Date	:07/10/2009	2)KIM, GEUN TAE
(33) Name of priority country	:Republic of Korea	3)CHOI, SUNG PIL
(86) International Application No	:PCT/KR2010/006760	4)JUNG, CHEOL, KYU
Filing Date	:04/10/2010	5)PARK, DEOK SEONG
(87) International Publication No	:WO 2011/043568 A2	6)CHOI, EUN SIL
(61) Patent of Addition to Application Number	:NA	7)KIM, TAE HUN
Filing Date	:NA	8)PARK, HYUN JUNG
(62) Divisional to Application Number	:NA	9)PARK, WAN SU
Filing Date	:NA	10)PARK, HEUI SUL
		11)KOO, KI CHUL
		12)ARTEMOV, VASILY

(57) Abstract :

The present invention relates to novel compounds which are effective as an inhibitor for xanthine oxidase, a process for preparing the same, and a pharmaceutical composition comprising a therapeutically effective amount of the same.

No. of Pages : 108 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3072/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :04/04/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : AIR CONDITIONER

(51) International classification :F24F11/02
(31) Priority Document No :2009-233318
(32) Priority Date :07/10/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/005882
Filing Date :30/09/2010
(87) International Publication No :WO 2011/043038
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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5)TAKAHASHI, MASATOSHI

6)HASEGAWA, HIROKI

7)KAWANO, YUSUKE

8)SATO, SATOSHI

9)IWAMOTO, KEIKO

10)TSUJIMURA, SATOSHI

(57) Abstract :

An indoor unit of an air conditioner is provided with an image pickup device that includes a human body detecting means for detecting the presence or absence of a person and an obstacle detecting means for detecting the presence or absence of an obstacle. A wind direction changing means is controlled based on a detection signal of the human body detecting means and that of the obstacle detecting means. Specifically, at least one obstacle position discriminating region belongs to each of a plurality human position discriminating regions, and if a determination is made that an obstacle is present in an obstacle position discriminating region in front of a human position discriminating region that has been determined that a person is present, an air current control is conducted to flow air-conditioned air above the obstacle to avoid the obstacle by controlling vertical wind direction changing blades.

No. of Pages : 104 No. of Claims : 6

(54) Title of the invention : METHOD FOR PRODUCING PURE WATER AND PURE WATER PRODUCTION APPARATUS

(51) International classification	:C02F1/44, B01D61/06, B01D61/58	(71)Name of Applicant : 1)TORAY INDUSTRIES, INC. Address of Applicant :1-1, NIHONBASHI-MUROMACHI 2- CHOME, CHUO-KU, TOKYO 103-8666 Japan
(31) Priority Document No	:2009-206824	(72)Name of Inventor :
(32) Priority Date	:08/09/2009	1)TANIGUCHI, MASAHIRO
(33) Name of priority country	:Japan	2)TAKABATAKE, HIROO
(86) International Application No	:PCT/JP2010/058518	3)OGIWARA, WAKAKO
Filing Date	:20/05/2010	
(87) International Publication No	:WO 2011/030589 A1	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An object of the present invention is to, in a pure water production apparatus that utilizes a mixture of a plurality of kinds of feed water and uses a semi-permeable membrane, effectively utilize energy of concentrate discharged from a semi-permeable membrane unit and provide, at low cost, a pure water production apparatus and method that effectively use an isobaric type energy recovery unit that can efficiently recover energy against feed water variation. For the object, in a pure water producing method by supplying and having a plurality of kinds of feed water with different water qualities permeated through a semi-permeable membrane to produce the pure water, a portion (referred to as first feed water) of the plurality of kinds of feed water supplied to a semi-permeable membrane unit comprising the semi-permeable membrane is boosted by utilizing an isobaric type energy recovery unit that recovers pressure energy of concentrate discharged from the semi-permeable membrane unit, the rest (referred to as second feed water) of the plurality of kinds of feed water is boosted by a high pressure pump, and the boosted first and second feed water are supplied together to the semi-permeable membrane unit.

No. of Pages : 38 No. of Claims : 6

(54) Title of the invention : APPARATUS FOR MANUFACTURING MOLTEN METAL

(51) International classification :C21B13/10
 (31) Priority Document No :2009-234364
 (32) Priority Date :08/10/2009
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2010/067792
 Filing Date :08/10/2010
 (87) International Publication No :WO 2011/043473
 A1
 (61) Patent of Addition 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)TETSUMOTO, MASAHIKO

(57) Abstract :

Disclosed is a molten metal producing device capable of effectively preventing a hanging of a metal agglomerate raw material layer and capable of reliably removing hanging even if the hanging occurs. Raw material for forming the raw material layer (A) and metal agglomerate raw material (B) are charged in this order from raw material charging chutes (4,4) at either end portion (2,2) of a stationary non-tilting arc furnace in the width direction of the furnace so as to form raw material layers (12) each having a sloping surface extending downward to the portions of electrodes (5) disposed in a central region in the furnace width direction and metal agglomerate raw material layers (13) on the slopes, respectively. Molten iron is produced by sequentially melting lower end portions of the metal agglomerate raw material layers (13) by arc heating at the electrodes (5). At the same time, an oxygen containing gas (C) is blown from secondary combustion burners (6) in a furnace top (1) so as to cause the combustion of a CO containing gas generated from the metal agglomerate raw material layers (13) while the metal agglomerate raw material layers (13) descend along the sloping surface of the raw material layer (12), and the metal agglomerate raw material layers (13) are heated by the radiant heat of the secondary combustion. Shock generators (18) are disposed above a molten slag layer (15) and below surfaces of the metal agglomerate raw material layers (13) inside the furnace.

No. of Pages : 43 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3079/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :04/04/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : CRYSTALLIZATION OF 4'-EPIDAUNORUBICIN X HCL

(51) International classification :C07H15/24

(31) Priority Document No :09011459.6

(32) Priority Date :08/09/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/005498
Filing Date :08/09/2010

(87) International Publication No :WO 2011/029576
A1

(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)KUNNARI, TERO

2)BINDERNAGEL, HOLGER

3)WEISER, SASCHA

4)LUPTON, ANDREW

5)WALLERT, STEFAN

(57) Abstract :

The present invention relates to a form of crystalline 4-epidaunorubicin hydrochloride which is stable and readily soluble, and to a process for the production thereof. This process comprises crystallizing 4-epidaunorubicin hydrochloride in a solvent system including (a) solvent A which is selected from the group consisting of CI and C2 halogenated solvents and mixtures thereof, (b) solvent B which is selected from the group consisting of CI - C5 straight and branched alcohols and mixtures thereof, and (c) solvent C which is selected from the group consisting of CI - C5 straight and branched alcohols and mixtures thereof, wherein solvent C is selected to provide lower solubility to 4-epidaunorubicin hydrochloride than solvent B.

No. of Pages : 24 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3080/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :04/04/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : ROTATING ANGLE DETECTING SENSOR

(51) International classification	:G01D5/14
(31) Priority Document No	:2009-206972
(32) Priority Date	:08/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/064576
Filing Date	:27/08/2010
(87) International Publication No	:WO 2011/030676
	A1
(61) Patent of Addition 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)ITOMI, SHOJI

(57) Abstract :

An angle detection error is prevented by using a columnar permanent magnet that is radially double-pole-magnetized as a rotating angle detecting sensor while avoiding a gap between a magnetic sensor and one end face of the permanent magnet from being narrowed. A permanent magnet (1) is a ferrite magnet or an alnico magnet having a diameter of 4 mm to 20 mm and an axial length of 3 mm to 5 mm, and a plurality of magnetic sensors (2, 3) detect radial magnetic flux densities at a position axially spaced 0.5 mm to 3.0 mm apart from a central portion A having a diameter equal to or smaller than 10% of a magnet diameter on one end face of the permanent magnet (1) to make it possible to perform detection in a range in which a distribution curve of a radial magnetic flux density has a moderate inclination.

No. of Pages : 57 No. of Claims : 11

(54) Title of the invention : DISPLAY DEVICE, PROGRAM, AND STORAGE MEDIUM

(51) International classification	:H04N7/173, G06F3/048, G09G5/00, G09G5/14	(71)Name of Applicant : 1)SHARP KABUSHIKI KAISHA Address of Applicant :22-22, NAGAIKE-CHO, ABENO-KU, OSAKA-SHI, OSAKA 545-8522 Japan
(31) Priority Document No	:2009-221465	(72)Name of Inventor :
(32) Priority Date	:25/09/2009	1)OZAKI, MICHIHARU
(33) Name of priority country	:Japan	2)SHIMIZU, TAKAMASA
(86) International Application No	:PCT/JP2010/066562	3)SUZUKI, TAKAYUKI
Filing Date	:24/09/2010	4)IGUCHI, ERIKO
(87) International Publication No	:WO 2011/037188 A1	5)MINEHARA, AYA
(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 includes a display screen (100) including at least: a video region (110) provided in contact with a left side section of the display screen (100) for performing a scaling display of an input video; a top region (120) provided at the uppermost part of the display screen (110) for displaying a plurality of items capable of being selected by a user; and a side region (130) provided to the right or left of the display screen (110) for at least displaying a plurality of items set at a lower level than an item having been selected by the user in the top region (120). Among the plurality of items displayed in the side region (140), an item being currently selected by the user is so displayed as to be discriminated from the other items. After the item being selected has been discriminatively displayed for a prescribed time period, a guidance (180) describing the item being selected is displayed in the side region (140) closely to the item being selected.

No. of Pages : 50 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3103/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :04/04/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : MICROCAPSULE AND PRODUCTION METHOD THEREOF

(51) International classification	:A01N25/28, A01N25/04, A01N25/30
(31) Priority Document No	:2009-209063
(32) Priority Date	:10/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/065457
Filing Date	:02/09/2010
(87) International Publication No	:WO 2011/030805 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)SUMITOMO CHEMICAL COMPANY, LIMITED

Address of Applicant :27-1, SHINKAWA 2-CHOME, CHUO-KU, TOKYO 104-8260 Japan

(72)Name of Inventor :

1)TSUDA, NAOKI

2)OZAWA, MAYUKO

(57) Abstract :

A microcapsule in which a liquid droplet is coated with a resin, wherein in the droplet, a pesticidally active solid ingredient is suspended in a compound of formula (I), wherein R represents a C1-C5 alkyl group, is useful as a formulation of a pesticidally active solid ingredient.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3105/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :04/04/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : SEALING GLASS FOR SOLID OXIDE ELECTROLYSIS CELL (SOEC) STACKS

(51) International classification	:C25B9/06, C03C10/06, C03C10/08	(71)Name of Applicant : 1)TOPSOE FUEL CELL A/S Address of Applicant :NYMOLLEVEJ 66, DK-2800 KGS, LYNGBY Denmark
(31) Priority Document No	:PA 2009 01093	(72)Name of Inventor :
(32) Priority Date	:06/10/2009	1)NIELSEN, JENS, ULRIK
(33) Name of priority country	:Denmark	2)LARSEN, JORGEN GUTZON
(86) International Application No	:PCT/EP2010/006058	
Filing Date	:05/10/2010	
(87) International Publication No	:WO 2011/042148 A1	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Solid oxide electrolysis cell (SOEC) stack obtainable by a process comprising the use of a glass sealant with composition 50 to 70 wt% SiO₂, 0 to 20 wt% Al₂O₃, 10.to 50 wt% CaO, 0 to 10 wt% MgO, 0 to 2 wt% (Na₂O + K₂O) , 0 to 10 wt% B₂O₃, and 0 to 5 wt% of functional elements selected from TiO₂/ ZrO₂, F, P₂O₅, MoO₃, Fe₂O₃, MnO₂, La-Sr-Mn-O perovskite (LSM) and combinations thereof.

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

(54) Title of the invention : LIQUID CRYSTAL DISPLAY DEVICE

(51) International classification	:G02F1/1368, G02F1/133, G02F1/1343	(71)Name of Applicant : 1)SHARP KABUSHIKI KAISHA Address of Applicant :22-22, NAGAIKE-CHO, ABENO-KU, OSAKA-SHI, OSAKA 545-8522 Japan
(31) Priority Document No	:2009-209697	(72)Name of Inventor :
(32) Priority Date	:10/09/2009	1)OHARA, MASANORI
(33) Name of priority country	:Japan	
(86) International Application No	:PCT/JP2010/065510	
Filing Date	:09/09/2010	
(87) International Publication No	:WO 2011/030819 A1	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A liquid crystal display device (100) according to the present invention includes: first and second pixel transistors (130a, 130b); a gate driver (210) that supplies a gate signal to a gate line (G) ; a source driver (220) that supplies a source signal to first and second branch lines (225a and 225b); a first source transistor (180a), which includes a source that is electrically connected to the first branch line (225a) and a drain that is electrically connected to a first source line (Sa); and a second source transistor (180b), which includes a source that is electrically connected to the second branch line (225b) and a drain that is electrically connected to a second source line (Sb).

No. of Pages : 67 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3084/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :04/04/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : AIR CONDITIONER

(51) International classification :F24F11/02
(31) Priority Document No :2009-233313
(32) Priority Date :07/10/2009
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/005881
Filing Date :30/09/2010
(87) International Publication No :WO 2011/043037
A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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1)JINNO, YASUSHI

2)SHIMIZU, TSUTOMU

3)TAKAHASHI, MASATOSHI

4)SUGIO, TAKASHI

5)MORIKAWA, TOMOTAKA

6)KAWANO, YUSUKE

7)HASEGAWA, HIROKI

8)SATO, SATOSHI

9)TSUJIMURA, SATOSHI

10)IWAMOTO, KEIKO

(57) Abstract :

An image pickup device includes a human body detecting means for detecting the presence or absence of a person and an obstacle detecting means for detecting the presence or absence of an obstacle. A wind direction changing means is controlled based on a detection signal of the human body detecting means and that of the obstacle detecting means. More specifically, at least two obstacle position discriminating regions belong to each of a plurality human position discriminating regions, and if a determination is made that an obstacle is present in an obstacle position discriminating region belonging to a human position discriminating region where a determination has been made that a person is present or in an obstacle position discriminating region positioned in front of the human position discriminating region where the determination has been made that the person is present, horizontal wind direction changing blades are caused to swing within at least one obstacle position discriminating region belonging to the human position discriminating region where the determination has been made that the person is present, or the horizontal wind direction changing blades are caused to swing within at least one obstacle position discriminating region that belongs to the human position discriminating region where the determination has been made that the person is present or to a human position discriminating regions in the vicinity thereof, while being maintained in pause at respective ends of the at least one obstacle position discriminating region.

No. of Pages : 104 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3166/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :09/04/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : HOSE ASSEMBLY AND COUPLING DEVICE FOR A WELDING DEVICE

(51) International classification	:B23K9/32
(31) Priority Document No	:A 1447/2009
(32) Priority Date	:11/09/2009
(33) Name of priority country	:Austria
(86) International Application No	:PCT/AT2010/000307
Filing Date	:27/08/2010
(87) International Publication No	:WO 2011/029109 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 :

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(72)Name of Inventor :

1)ANZENGRUBER, THOMAS

2)BRANDSTOTTER, RUDOLF

(57) Abstract :

The invention relates to a hose assembly (24) comprising a plurality of lines (7; 12; 17; 25) for supplying a welding torch (10) with operating media, such as welding current, welding wire, protective gas and/or control signals, and having at least one coolant line (19, 19) for feeding a cooling medium of a coolant source (21) to a welding torch (10), and having at least one coupling element (26) for detachably connecting to a welding unit 2 or to a welding torch (10) if necessary, characterized in that a further coupling element (29) for the at least one coolant line (19, 19) is integrated in the coupling element (26), the coupling and decoupling direction (59) of the further coupling element being orientated transverse to the longitudinal axis (41) of the hose assembly (24), wherein the coupling elements (26, 29) can each be coupled and decoupled independently from each other. The invention further relates to a coupling element (26) designed correspondingly, a plug element (35) used therein or a plug connection for the at least one coolant line (19,19), and a welding device equipped with said elements.

No. of Pages : 41 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3106/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :04/04/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : ARTICLE OF FOOTWEAR HAVING AN UPPER WITH KNITTED ELEMENTS

(51) International classification	:A43B23/02, A43B23/26, A43B7/20
(31) Priority Document No	:12/574,876
(32) Priority Date	:07/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/051144
Filing Date	:01/10/2010
(87) International Publication No	:W0 2011/043998 A3
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)NIKE INTERNATIONAL LTD

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(72)Name of Inventor :

1)GREENE, PAMELA

2)AVENI, MICHAEL, A.

3)LYKE, CHRISTOPHER, JAMES

4)FARRIS, BRYAN, N.

(57) Abstract :

An article of footwear may incorporate various elements that are at least partially formed through a knitting process, such as a circular knitting process or a flat knitting process. Examples of the elements include tongue elements, collar elements, and collar-throat elements. In some configurations, the elements include compressible areas and flange areas. The compressible areas may include foam cores or floating yarns that impart compressibility, and the flange areas may be utilized to join the components to the article of footwear.

No. of Pages : 67 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3108/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :04/04/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : AUTOMATIC LABELING OF A VIDEO SESSION

(51) International classification	:G06T7/00, G06T3/00, H04N1/387
(31) Priority Document No	:12/604,415
(32) Priority Date	:23/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/052306
Filing Date	:12/10/2010
(87) International Publication No	:WO 2011/049783 A3
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)MICROSOFT CORPORATION

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(72)Name of Inventor :

1)HEGDE, RAJESH KUTPADI

2)LIU, ZICHENG

(57) Abstract :

Described is labeling a video session with metadata representing a recognized person or object, such as to identify a person corresponding to a recognized face when that face is being shown during the video session. The identification may be made by overlaying text on the video session, e.g., the persons name and/or other related information. Facial recognition and/or other (e.g., voice) recognition may be used to identify a person. The facial recognition process may be made more efficient by using known narrowing information, such as calendar information that indicates who the invitees are to a meeting that is being shown in the video session.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3109/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :04/04/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : DECORATING A DISPLAY ENVIRONMENT

(51) International classification	:G06T11/00, G06T7/00
(31) Priority Document No	:12/604,526
(32) Priority Date	:23/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/053632
Filing Date	:21/10/2010
(87) International Publication No	:WO 2011/050219 A3
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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3)LATTA, STEPHEN G.

4)GEISNER, KEVIN

5)VUCHETICH, CHRISTOPHER

6)BENNETT, DARREN ALEXANDER

7)TOMLIN, ARTHUR CHARLES

8)DEAGUERO, JOEL

9)PULS, MATT

10)COOHILL, MATT

11)HASTINGS, RYAN

12)KOLESAR, KATE

13)MURPHY, BRIAN SCOTT

(57) Abstract :

Disclosed herein are systems and methods for decorating a display environment. In one embodiment, a user may decorate a display environment by making one or more gestures, using voice commands, using a suitable interface device, and/or combinations thereof. A voice command can be detected for user selection of an artistic feature, such as, for example, a color, a texture, an object, and a visual effect for decorating in a display environment. The user can also gesture for selecting a portion of the display environment for decoration. Next, the selected portion of the display environment can be altered based on the selected artistic feature. The users motions can be reflected in the display environment by an avatar. In addition, a virtual canvas or three-dimensional object can be displayed in the display environment for decoration by the user.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3308/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :12/04/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : BRAKE PAD FOR VEHICLE DISC BRAKE

(51) International classification	:F16D69/04
(31) Priority Document No	:TO2009A000709
(32) Priority Date	:17/09/2009
(33) Name of priority country	:Italy
(86) International Application No	:PCT/IB2010/052768
Filing Date	:18/06/2010
(87) International Publication No	:WO 2011/033395
	A1
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
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2)PASSALACQUA, ROBERTO
3)OLIVERO, CORRADO
4)MAZZUCCHETTI, CARLA

(57) Abstract :

The brake pad (10) comprises a backing plate (12) of plastic material, a friction lining (14) overmoulded on the backing plate (12) and a metal reinforcement plate (16) embedded in the backing plate (12). The backing plate (12) comprises a solid peripheral structure (18) and an inner structure (20) made as a grid-like reticular structure having a plurality of cavities (22) evenly distributed on its surface and filled at least partially by the material of the friction lining (14). At least part of the cavities (22) are made as through cavities, whereby the friction lining (14) forms a plurality of columns (24) which extend into the through cavities (22) and improve the adhesion between the friction lining (14) and the backing plate (12). The area of the through cavities (22) amounts at least to 4,5% of the area of the face of the friction lining (14) opposite to the one in contact with the backing plate (12).

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

(54) Title of the invention : ISOTHERMAL MULTITUBE REACTORS AND PROCESSES INCORPORATING THE SAME

(51) International classification	:B01J19/00, B01J19/24
(31) Priority Document No	:61/250,030
(32) Priority Date	:09/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/052073
Filing Date	:08/10/2010
(87) International Publication No	:WO 2011/044514 A3
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :**1)DOW GLOBAL TECHNOLOGIES LLC**Address of Applicant :2040 DOW CENTER, MIDLAND,
MICHIGAN 48674 U.S.A.**(72)Name of Inventor :****1)TIRTOWIDJOJO, MAX MARKUS****2)BAI, HUA****3)CHAKRABORTY, DEBASHIS****4)EIFFLER, JUERGEN****5)GROENEWALD, HEINZ****6)HIRSEKORN, KURT FREDERICK****7)KOKOTT, MANFRED****8)KRUPER, WILLIAM, J.****9)LUEBBE, THOMAS, ULRICH****10)PATEL, AVANI, MAULIK****11)SEXTON, SHIRLEY, SHAW****12)WENZEL, PETER****13)WOBSER, MARCUS**

(57) Abstract :

The present invention provides isothermal multitube reactors suitable for the production of chlorinated and/or fluorinated propene and higher alkenes from the reaction of chlorinated and/or fluorinated alkanes and chlorinated and/or fluorinated alkenes. The reactors utilize a feed mixture inlet temperature at least 20°C different from a desired reaction temperature.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3301/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :12/04/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : PHARMACEUTICAL COMBINATION FOR TREATING TUMOR

(51) International classification	:A61K31/5575, A61K31/513
(31) Priority Document No	:61/243,019
(32) Priority Date	:16/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/JP2010/066619
Filing Date	:16/09/2010
(87) International Publication No	:WO 2011/034210 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)UENO, RYUJI

(57) Abstract :

Disclosed is a pharmaceutical combination comprising (a) an anti-tumor agent and (b) a fatty acid derivative represented by the formula (I): The combination of the present invention is useful for the treatment of tumor in a mammalian subject. The instant application also provides a composition and a method for treating damages, especially gastrointestinal damages including mucositis induced by an anti-tumor agent comprising a fatty acid derivative of formula (I).

No. of Pages : 48 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.70/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :03/01/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : GROWTH HORMONE POLYPEPTIDES AND METHODS OF MAKING AND USING SAME

(51) International classification :A61K38/48

(31) Priority Document No :61/185,112

(32) Priority Date :08/06/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/037849

Filing Date :08/06/2010

(87) International Publication No :WO 2010/144502 A9

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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3)STEMMER, WILLEM, P.

4)WANG, CHIA-WEI

5)GEETHING, NATHAN

6)CLELAND, JEFFREY, L.

(57) Abstract :

The present invention relates to compositions comprising growth hormone 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 growth hormone-related diseases, disorders, and conditions

No. of Pages : 314 No. of Claims : 28

(54) Title of the invention : SANITARY FUNCTIONAL UNIT

(51) International classification :E03C1/086
 (31) Priority Document No :NA
 (32) Priority Date :NA
 (33) Name of priority country :NA
 (86) International Application No :NA
 Filing Date :NA
 (87) 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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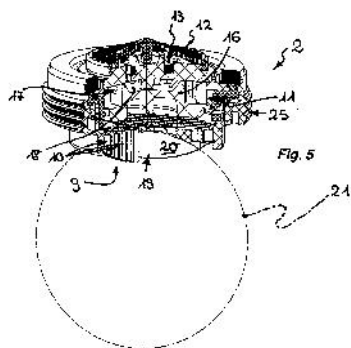
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(57) Abstract :

The invention relates to a sanitary functional unit (2), which has a housing (6), which can be releasably fastened to the water outlet of a sanitary outlet fitting, the housing (6) having an outflow-side housing end face (9) with outflow openings (10). It is characterizing for the functional unit according to the invention that the outflow-side housing end face (9) has at least one slot (19), the opposing longitudinal sides (20) of which slot are designed as turning engagement surfaces or tool engagement surfaces for a turning tool that can be releasably inserted into the at least one slot (19) and is preferably formed as a coin (21), and that the housing (6) of the functional unit (2) is rotatably held on the water outlet of the outlet fitting and/or the housing end face is mounted rotatably in relation to the housing on said housing. With the assistance of the slot (19) provided on the housing end face (9) and the assigned turning tool, it is possible, for example, for a housing end face (9) that is pivotably mounted in the housing to be easily aligned and/or for the turning force that is required for fitting and removing a screw connection provided between the outer housing periphery and the inner fitting periphery to be conveniently transferred to the housing (6) without special turning tools being necessary.



No. of Pages : 40 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2394/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

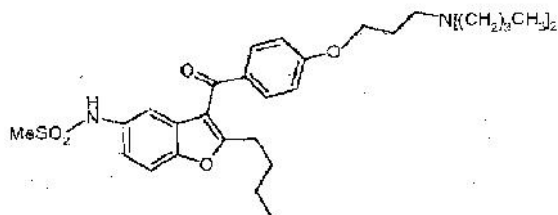
(54) Title of the invention : KETOBENZOFURAN DERIVATIVES, METHOD FOR SYNTHESISING SAME, AND INTERMEDIATES

(51) International classification :C07D307/83,C07C217/22,C07C225/16
(31) Priority Document No :1051510
(32) Priority Date :02/03/2010
(33) Name of priority country :France
(86) International Application No :PCT/FR2011/050420
Filing Date :01/03/2011
(87) International Publication No :WO 2011/107705
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)MALEJONOCK, Irina
4)VAYRON, Philippe

(57) Abstract :

The present invention relates to ketobenzofuran derivatives of the general formula (D) shown below, as well as to a method for synthesising same by coupling a quinonimine and an enaminone by a Nenitzescu reaction and to the intermediates of the synthesis thereof.



No. of Pages : 51 No. of Claims : 20

(54) Title of the invention : MANAGING COMMITTED REQUEST RATES FOR SHARED RESOURCES

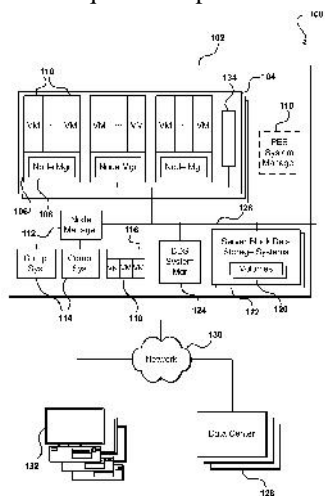
(51) International classification	:G06Q10/00
(31) Priority Document No	:12/749,451
(32) Priority Date	:29/03/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/030389
Filing Date	:29/03/2011
(87) International Publication No	:WO 2011/123467
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)PATERSON-JONES, Roland
3)HAMILTON, James, R.
4)JAIN, Sachin
5)GARMAN, Matthew, S.
6)SUNDERLAND, David, N.
7)WEI, Danny
8)CATTANEO, Fiorenzo

(57) Abstract :

Commitments against various resources can be dynamically adjusted for customers in a shared resource environment. A customer can provision a data volume with a committed rate of Input/Output Operations Per Second (IOPS) and pay only for that commitment (plus any overage) for example as well as the amount of storage requested. The customer can subsequently adjust the committed rate of IOPS by submitting an appropriate request or the rate can be adjusted automatically based on any of a number of criteria. Data volumes for the customer can be migrated, split, or combined in order to provide the adjusted rate. The interaction of the customer with the data volume does not need to change, independent of adjustments in rate or changes in the data volume other than the rate at which requests are processed.



No. of Pages : 56 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2536/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : METHOD FOR OBTAINING BIOLOGICALLY ACTIVE RECOMBINANT HUMAN G-CSF

(51) International classification :C07K14/535

(31) Priority Document No :10 002 811.7

(32) Priority Date :17/03/2010

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2011/001331

Filing Date :17/03/2011

(87) International Publication No :WO 2011/113601

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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GERMANY

(72)Name of Inventor :

1)HINDERER, Walter

2)SCHECKERMANN, Christian

(57) Abstract :

Provided is a method of obtaining biologically active recombinant human G-CSF from inclusion bodies, wherein the solubilization and refolding process can be performed at ambient temperature and the purification step comprises reversed phase chromatography (RP), in particular RP-HPLC. The G-CSF preparation so obtained is characterized by high purity and homogeneity.

No. of Pages : 38 No. of Claims : 26

(54) Title of the invention : PRODUCTION DEVICE FOR COMPLEX OF CONTINUOUS SHEET-LIKE MEMBERS

(51) International classification :B65H37/04,A61F13/15,A61F13/49
 (31) Priority Document No :2010-059556
 (32) Priority Date :16/03/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/055729
 Filing Date :11/03/2011
 (87) International Publication No :WO 2011/115001
 (61) Patent of Addition 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)YAMAMOTO, Hiroki
2)GODA, Hidefumi

(57) Abstract :

A device for producing the complex of continuous sheet like members by adhering work being held to the continuous sheet like members and delivering the work at a work delivery position. The device for producing the complex of the continuous sheet-like members comprises: a rotating body that rotates around the rotational axis; a work holding section in which a holding surface for holding the work is supported by the rotating body while being directed outward in the rotation radial direction of the rotating body; and a delivery mechanism which is disposed correspondingly to the work delivery position in the rotational direction of the rotating body so as to deliver the work from the holding surface to the continuous sheet like members when the holding surface passes through the work delivery position. The delivery mechanism has a roller on which the continuous sheet like members are abutted and conveyed and an extrusion mechanism which is capable of extruding the outer peripheral surface of the roller inward in the rotation radial direction in order to press the continuous sheet like members against the work. The extrusion mechanism changes the extrusion amount of the outer peripheral surface of the roller in conjunction with the position of the holding surface in the rotation radial direction at the work delivery position.

No. of Pages : 56 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1692/CAL/1998 A

(19) INDIA

(22) Date of filing of Application :21/09/1998

(43) Publication Date : 07/06/2013

(54) Title of the invention : A METHOD OF PRODUCING METHANE FROM SUBTERRANEAN CARBONACEOUS FORMATIONS

(51) International classification :C09K8/58

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :NA

Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :177/CAL/1997

Filed on :31/01/1997

(71)Name of Applicant :

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(72)Name of Inventor :

1)WALTER C RIESE

2)STEPHEN V BROSS

(57) Abstract :

A method for increasing the production of methane from a subterranean carbonaceous formation by chemically stimulating the formation of additional free surface area or cleats in the organic constituents of the formation and by causing inorganically adsorbed methane to be released from contained clay-minerals to increase the rate of methane desorption from the formation by injecting an aqueous oxidizing solution containing at least one oxidant into the formation, and thereafter producing methane from the formation at an increased rate. Suitable oxidants include peroxide, ozone, oxygen, chlorine dioxide, sodium hypochloride, water soluble salts of hypochlorous acid, perchlorate, chlorate, persulfate, perborate, percarbonate, permanganate, nitrate and combinations thereof.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2531/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : SYSTEM AND METHOD FOR CHARGING HVAC SYSTEM

(51) International classification :F24F11/053,F24F11/02
(31) Priority Document No :12/723,660
(32) Priority Date :14/03/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/028355
Filing Date :14/03/2011
(87) International Publication No :WO 2011/115913
(61) Patent of Addition 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)DENTON, Darryl E.

(57) Abstract :

A method of charging an HVAC system by determining a relationship between a liquid line temperature of the HVAC system, a suction line pressure of the HVAC system, and an ambient outdoor temperature of the HVAC system. A method of charging an HVAC system by adjusting a mass of refrigerant in the HVAC system to approach a target minimum liquid line temperature. A method of charging an HVAC system by testing the HVAC system according to at least three sets of test parameters two of the three sets of test parameters comprising testing the HVAC system at substantially a same outdoor ambient temperature and at least one of the remaining set of test parameters comprising testing the HVAC system at a different outdoor ambient temperature.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2533/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : EXTRACTION METHOD USING MICROBUBBLES AND EXTRACTING LIQUID

(51) International classification :B01D11/02,B01F1/00,B01F3/04
(31) Priority Document No :2010-051146
(32) Priority Date :08/03/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/054903
Filing Date :03/03/2011
(87) International Publication No:WO 2011/111600
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Ligaric Co., Ltd.
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(72)Name of Inventor :
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2)TSUJI, Yasuhiro
3)OKA Toru
4)MIYAO, Haruka
5)LIAUW, Denny

(57) Abstract :

Disclosed is a safe extracting method that does not use, or reduces an amount of an emulsifier or organic solvent and the like that is used, and efficiently extracts components from various extractable materials. When a component to be extracted is an active ingredient, the method maintains a high titer thereof. The extracting method extracts extractable material by contacting with water that contains microbubbles. With the extraction method microbubble model particle diameters of 500 nm or lower are preferred. Another preferred example is the existence of 1 million or more microbubbles per 1 mL of water.

No. of Pages : 44 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2534/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : MICROPUMP

(51) International classification :F04B7/04,F04B7/06,F04B9/04
(31) Priority Document No :0376/10
(32) Priority Date :17/03/2010
(33) Name of priority country :Switzerland
(86) International Application No :PCT/IB2011/051071
Filing Date :15/03/2011
(87) International Publication No :WO 2011/114285
(61) Patent of Addition 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)GENOUD, Dominique
2)CHRISTEN, Peter
3)ROBIN, Franck
4)THIEMER, Helmut

(57) Abstract :

A pump comprising a housing comprising a rotor chamber, inlet and outlet channels opening into the rotor chamber, and inlet and outlet seals mounted on a surface of the chamber and a rotor rotatably and axially slidably received in the chamber and comprising a first axial extension comprising a liquid supply channel and a second axial extension comprising a liquid supply channel the first and second axial extensions having different diameters. The inlet and outlet seals engage a surface of the rotor, whereby the liquid supply channel of each axial extension in conjunction with a corresponding seal forms a valve that opens and closes as a function of the angular and axial displacement of the rotor. At least one of the inlet and outlet channels opens transversely into the rotor chamber and at least one of the inlet and outlet seals forms a closed circuit circumscribing said at least one of the inlet and outlet channels.

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

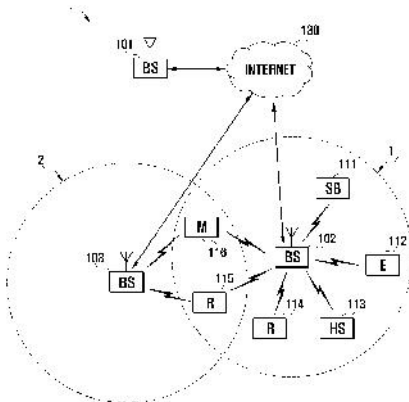
(54) Title of the invention : SYSTEMS AND METHODS FOR BUNDLING RESOURCE BLOCKS IN A WIRELESS COMMUNICATION SYSTEM

(51) International classification	:H04W28/06,H04B7/26,H04J11/00
(31) Priority Document No	:61/324242
(32) Priority Date	:14/04/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/KR2011/002664
Filing Date	:14/04/2011
(87) International Publication No	:WO 2011/129628
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :
1)SAMSUNG ELECTRONICS CO., LTD.
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 (72)Name of Inventor :
1)LIU Lingjia
2)ZHANG Jianzhong
3)NAM Young Han

(57) Abstract :

A base station for use in a wireless network operable to communicate with a plurality of mobile stations. The base station transmits a downlink frame to a first mobile station. The downlink frame comprises time-frequency resource elements allocated in a plurality of physical resource blocks. The base station transmits the plurality of physical resource blocks in bundles having a bundle size that is a function of the system bandwidth configuration and the base station uses the same precoder for all physical resource blocks in the same bundle. The bundle size is from one physical resource block to three physical resource blocks.



No. of Pages : 30 No. of Claims : 21

(54) Title of the invention : HARD CARBON COATING AND METHOD OF FORMING THE SAME

(51) International classification :C23C14/35,C23C28/00,C23C30/00
 (31) Priority Document No :205090
 (32) Priority Date :14/04/2010
 (33) Name of priority country :Israel
 (86) International Application No :PCT/IL2011/000264
 Filing Date :20/03/2011
 (87) International Publication No :WO 2011/128889
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71) **Name of Applicant :**
1)ISCAR LTD.
 Address of Applicant :P.O. Box 11, 24959 Tefen, ISRAEL
 (72) **Name of Inventor :**
1)LAYYOUS, Albir A.

(57) Abstract :

A coating for cutting tools or wear parts has at least one crystalline SixC1-x-y-zNyMz layer formed by means of a PVD method and at least one hard carbon layer, which is diamond or DLC. Si and C are essential components of the SixC1-x-y-zNyMz layer and M is one or more elements selected from among Ti, Zr, Hf, V, Nb, Ta, Cr, Mo, W, Y, B, Al and Ru (wherein 0.4 ≤ x ≤ 0.6, 0 ≤ y ≤ 0.1 and 0 ≤ z ≤ 0.2). The SixC1-x-y-zNyMz layer has a half value width of an SiC peak observed at 34° to 36° of diffraction angle when X-ray diffraction (XRD) is carried by using a CuK α ray is 3° or less. A method for forming the coating layer using PVD is carried out under certain temperature and substrate bias conditions.

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

(54) Title of the invention : AUDIO SIGNAL DECODER, AUDIO SIGNAL ENCODER, METHOD FOR DECODING AN AUDIO SIGNAL, METHOD FOR ENCODING AN AUDIO SIGNAL AND COMPUTER PROGRAM USING A PITCH-DEPENDENT ADAPTATION OF A CODING CONTEXT

(51) International classification	:G10L21/04
(31) Priority Document No	:61/312,503
(32) Priority Date	:10/03/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2011/053541
Filing Date	:09/03/2011
(87) International Publication No	:WO 2011/110594
(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)EDLER Bernd

5)DISCH Sascha

6)VILLEMOES Lars

(57) Abstract :

An audio signal decoder (150 for providing a decoded audio signal representation (154) on the basis of an encoded audio signal representation (152) comprising an encoded spectrum representation (ac_spectral_data[]) and an encoded time warp information (tw_data[]) comprises a context based spectral value decoder (160) configured to decode a codeword (acod_m) describing one or more spectral values or at least a portion (m) of a number representation of one or more spectral values in dependence on a context state, to obtain decoded spectral values (162, 297, x_ac_dec[]). The audio signal decoder also comprises a context state determinator (170) configured to determine a current context state (164, c) in dependence on one or more previously decoded spectral values (162,297). The audio signal decoder also comprises a time warping frequency-domain-to -time-domain-converter (180) configured to provide a time-warped time-domain representation (182) of a given audio frame on the basis of a set of decoded spectral values (162) associated with the given audio frame and provided by the context based spectral value decoder and in dependence on the time warp information. The context state determinator (170) is configured to adapt the determination of the context state to a change of a fundamental frequency between subsequent audio frames. An audio signal encoder applies a comparable concept.

No. of Pages : 114 No. of Claims : 17

(54) Title of the invention : INFLATABLE PORTABLE PLATFORM

(51) International classification :B63B35/36,B63B35/34,B63C7/00

(31) Priority Document No :PI2010000570

(32) Priority Date :08/02/2010

(33) Name of priority country :Malaysia

(86) International Application No :PCT/MY2011/000010

Filing Date :28/01/2011

(87) International Publication No :WO 2011/096792

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

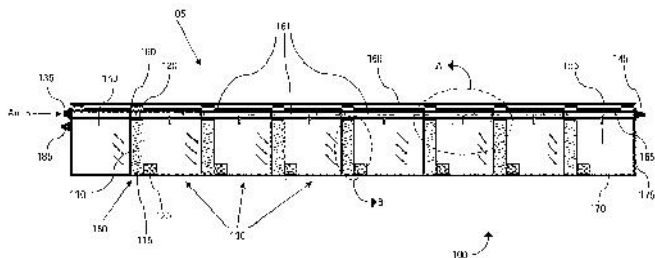
1)JOHNSON & NICHOLSON (M) SDN BHDAddress of Applicant :No.7,Wisma Johnson & Nicholson,
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(72)Name of Inventor :

1)ALAN Chew,Hong,Meng**2)CHEW,Joon,Yip**

(57) Abstract :

An inflatable buoyant and portable platform (100) particularly for emergency use such as during a plane crash or a sinking ship is disclosed. The platform (100) comprises a hollow inflatable enclosure (105) having a top surface (165) and a bottom surface (170) both the surfaces (165 170) being peripherally joined by a flexible curtain (175). A support means (180) is provided inside the enclosure (105) that adapts an extended form when the enclosure (105) is inflated for enhancing rigidity of the enclosure (105) when inflated and loaded. The support means (180) adapts a retracted form when the enclosure (105) is deflated. The enclosure (105) is inflatable through an inflating valve (135) by an external source of compressed gas and deflatable through a deflating valve (145) and an exit valve (185) the valves (135 145 185) being provided on the enclosure (105). The platform (100) is also connectable to one another forming a platform of different shapes and sizes.



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

(54) Title of the invention : ELECTRIC POWER SUPPLY SYSTEM

(51) International classification :H02J3/46,G06Q50/00,H02J3/00

(31) Priority Document No :2010-053469

(32) Priority Date :10/03/2010

(33) Name of priority country :Japan

(86) International Application No:PCT/IB2011/000497

Filing Date :09/03/2011

(87) International Publication No :WO 2011/110923

(61) Patent of Addition to

Application Number :NA

Filing Date :NA

(62) Divisional to Application

Number :NA

Filing Date :NA

(71)Name of Applicant :

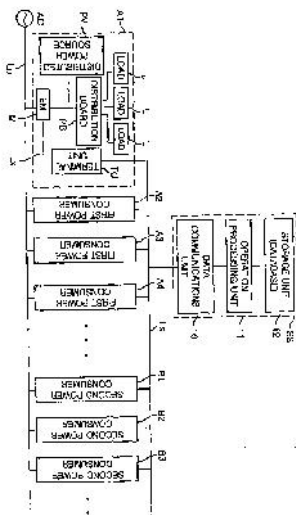
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(72)Name of Inventor :

1)MISE Atsushi**2)YONEDA Satsuki**

(57) Abstract :

Disclosed is an electric power supply system containing: a distributed power supply which is disposed in at least one part of a first electric power consumer unit; a power line which supplies the surplus electric power generated in the distributed power supply to at least one part of a second electric power consumer unit; and a management device which manages the trade price of the surplus electric power supplied via the power line. The management device determines the trade price of the surplus electric power for subsequent days on the basis of a prediction value for the amount of surplus electric power in the first electric power consumer unit and a prediction value for the amount of electric power consumption in the second electric power consumer unit over the subsequent days.



No. of Pages : 33 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2551/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : ELECTRONIC INJECTION SYSTEM FOR SMALL GASOLINE ENGINES

(51) International classification :F02M69/32,F02M51/06,F02M63/00
(31) Priority Document No :P201030160
(32) Priority Date :08/02/2010
(33) Name of priority country :Spain
(86) International Application No :PCT/EP2011/051724
Filing Date :07/02/2011
(87) International Publication No :WO 2011/095622
(61) Patent of Addition 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 :Polígono Industrial El Henares - Avda. Cristóbal Colón 109, E-19004 Guadalajara, SPAIN
2)DUASO PARDO, Javier
(72)Name of Inventor :
1)DUASO PARDO, Javier

(57) Abstract :

The invention relates to an electronic injection system for small gasoline engines, which comprises a device formed by an injector (9) for closing or opening the injected gasoline flow, and a restriction (24) coaxially inserted at the outlet of the injector and having a hole (24a) for controlling by pressure drop the injected gasoline flow when the injector is open. A sonic nozzle (16) with one or with two throats (35,37) is axially coupled with said restriction (24). The invention allows significantly reducing the costs of the gasoline injector, of the gasoline pump and pressure regulator, and furthermore has exceptional anti-polluting qualities.

No. of Pages : 28 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2552/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : APPARATUS AND METHOD FOR PROCESSING AN AUDIO SIGNAL USING PATCH BORDER ALIGNMENT

(51) International classification :G10L21/02,G10L21/04,G10L19/02
(31) Priority Document No :61/312,127
(32) Priority Date :09/03/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2011/053313
Filing Date :04/03/2011
(87) International Publication No :WO 2011/110499
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)DISCH, Sascha
4)NAGEL, Frederik
5)WILDE, Stephan

(57) Abstract :

Apparatus for processing an audio signal to generate a bandwidth extended signal having a high frequency part and a low frequency part using parametric data for the high frequency part the parametric data relating to frequency bands of the high frequency part comprises a patch border calculator (2302) for calculating a patch border such that the patch border coincides with a frequency band border of the frequency bands. The apparatus further comprises a patcher (2312) for generating a patched signal using the audio signal (2300) and the patch border.

No. of Pages : 74 No. of Claims : 13

(54) Title of the invention : APPARATUS AND METHOD FOR PROCESSING AN INPUT AUDIO SIGNAL USING CASCADED FILTERBANKS

(51) International classification :G10L19/02,G10L21/02,G10L21/04
 (31) Priority Document No :61/312,127
 (32) Priority Date :09/03/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/EP2011/053315
 Filing Date :04/03/2011
 (87) International Publication No :WO 2011/110500
 (61) Patent of Addition 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)VILLEMOS, Lars
2)EKSTRAND, Per
3)DISCH, Sascha
4)NAGEL, Frederik
5)WILDE, Stephan

(57) Abstract :

An apparatus for processing an input audio signal (2300) relies on a cascade of filterbanks, the cascade comprising a synthesis filterbank (2304) for synthesizing an audio intermediate signal (2306) from the input audio signal (2300), the input audio signal being represented by a plurality of first subband signals (2303) generated by an analysis filterbank (2302), wherein a number of filterbank channels of the synthesis filterbank (2304) is smaller than a number of channels of the analysis filterbank (2302). The apparatus furthermore comprises a further analysis filterbank (2307) for generating a plurality of second subband signals (2308) from the audio intermediate signal (2306), wherein the further analysis filterbank has a number of channels being different from the number of channels of the synthesis filterbank (2304), so that a sampling rate of a subband signal of the plurality of second subband signals (2308) is different from a sampling rate of a first subband signal of the plurality of first subband signals (2303).

No. of Pages : 74 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2547/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : HEIGHT ADJUSTABLE SPEED BUMP

(51) International classification	:E01F9/047
(31) Priority Document No	:PI2010000650
(32) Priority Date	:11/02/2010
(33) Name of priority country	:Malaysia
(86) International Application No	:PCT/MY2011/000009
Filing Date	:28/01/2011
(87) International Publication No	:WO 2011/099842
(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)ALAN CHEW,Hong Meng

2)CHEW,Joon Yip

(57) Abstract :

The present invention relates to a height adjustable speed bump for controlling speed of vehicles when placed on roadways and for serving as a barrier when used for blocking restricted areas. The speed bump comprises a portable body (100) having a middle portion (120) and two side portions (110a, 110b). An elevation (290) of the body (100) is adjustable in dependence upon the usage as the speed bump or the barrier. Various arrangements are proposed for adjusting the elevation (290). A sensor is also provided on the body (100), for tracking the number of objects such as vehicles passing over it. Methods of using the bump and barrier are thus proposed.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2548/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : RUNNING-RESISTANCE CONTROL DEVICE

(51) International classification :G01M17/007
(31) Priority Document No :2010-027063
(32) Priority Date :10/02/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/052487
Filing Date :07/02/2011
(87) International Publication No :WO 2011/099436
(61) Patent of Addition 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)NARUMI Yasumasa

(57) Abstract :

Results of vehicle test in the upland environment using chassis dynamometers differ from on road traveling since the proportion of air resistance in running resistance is small due to low air density in the upland and the low air resistance affects the traveling of the vehicle. To avoid this, an environmental-correction computing unit is disposed upstream of a running-resistance-command issuing unit that issues a running resistance command. The correction computing unit calculates an environmental correction value of rolling resistance and that of air resistance using input signals of air temperature and air pressure detected within an environmental laboratory, and determines target running resistance from the environmental correction values. The running-resistance-command issuing unit issues a running resistance command for controlling a chassis dynamometer on the basis of the determined target running resistance and a detected speed signal of the chassis dynamometer.

No. of Pages : 13 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2549/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : METHOD FOR INDUSTRIALLY PRODUCING (S)-1, 1, 1-TRIFLUORO-2-PROPANOL

(51) International classification :C12P7/04
(31) Priority Document No :2010-030365
(32) Priority Date :15/02/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/052981
Filing Date :14/02/2011
(87) International Publication No :WO 2011/099595
(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)CENTRAL GLASS COMPANY, LIMITED
(72)Name of Inventor :
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2)FUHSHUKU Kenichi
3)NISHII Tetsuro
4)ISHII Akihiro

(57) Abstract :

Disclosed is a method for producing (S)-1,1,1- trifluoro-2-propanol with high optical purity and high yield by having at least one kind of microorganism, which is selected from the group consisting of Hansenula polymorpha, Pichia anomala, Candida parapsilosis, Candida mycoderma, Pichia naganishii, Candida saitoana, Cryptococcus curvatus, Saturnospora dispersa, Saccharomyces bayanus and Pichia membranaefaciens, act on 1,1,1-trifluoroacetone. Since microorganisms found in nature are made to act in a natural state, the problems to be raised when a transformant or the like is used can be avoided in this method. Consequently, the method can be easily put in industrial practice.

No. of Pages : 27 No. of Claims : 7

(54) Title of the invention : METHOD AND APPARATUS FOR REGENERATING VULCANIZED RUBBER

(51) International classification :C08C19/08,B01F7/02,C08J11/12
 (31) Priority Document No :61/313,871
 (32) Priority Date :15/03/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/CA2011/000285
 Filing Date :15/03/2011
 (87) International Publication No :WO 2011/113148
 (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)PHOENIX INNOVATION TECHNOLOGY INC.
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 (72)**Name of Inventor :**
1)MARTEL, Sylvain
2)MURPHY, Stephen
3)LEGAULT, Patrick

(57) Abstract :

There are disclosed a regenerated rubber, a method and apparatus for obtaining regenerated rubbers from vulcanized crumb rubber, such as rubber from scrap. The apparatus is a thermokinetic mixer having the particularity to have an air tight stationary chamber with inner non-uniform surface. The method comprises the steps of raising the speed of the rotor shaft in order to increase a temperature of a mixture made of vulcanized crumb rubber and a lubricant, such as oil until a devulcanizing temperature is reached; and reducing the temperature of the mixture to a lower temperature during a second period of time. The method of the invention is environmentally friendly or green, since the regeneration method does not use chemicals, includes a shorter period of treatment at higher temperature avoiding the risks of rubber cracking and spontaneous combustion, and further allowing mass-production of regenerated rubber with lower energy consumption.

No. of Pages : 49 No. of Claims : 35

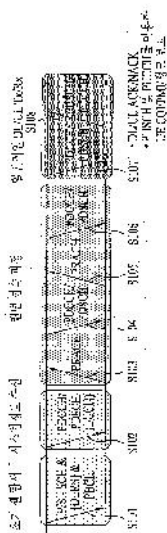
(54) Title of the invention : METHOD AND APPARATUS FOR TRANSMITTING CONTROL INFORMATION IN WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04L27/26,H04B7/26,H04W72/04
 (31) Priority Document No :61/320,775
 (32) Priority Date :05/04/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/KR2011/002275
 Filing Date :01/04/2011
 (87) International Publication No :WO 2011/126239
 (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)HAN, Seung Hee
2)CHUNG, Jae Hoon
3)MOON, Sung Ho
4)LEE, Moon Il

(57) Abstract :

The present invention relates to a wireless communication system. More specifically the present invention relates to a method for transmitting control information through a PUCCH in a wireless communication system and an apparatus thereof comprising the steps of: dividing a modulation symbol set for the control information so that the divided sets are equivalent to two slots on the PUCCH; spreading the modulation symbol sets divided to be equivalent to first slots by using a first code so that the spread sets are equivalent to a plurality of SC-FDMA symbols; DFT converting in an SC-FDMA symbol unit the modulation symbol sets spread to be equivalent to the plurality of SC-FDMA symbols on the first slots; spreading the modulation symbol sets divided to be equivalent to second slots by using a second code so that the divided sets are equivalent to a plurality of SC-FDMA symbols; DFT converting in an SC-FDMA symbol unit, the modulation symbol sets spread to be equivalent to the plurality of SC-FDMA symbols on the second slots; and transmitting DFT-converted signals through the corresponding SC-FDMA symbols on the first and second slots, wherein the length of the second code is varied according to the number of the SC-FDMA symbols for PUCCH transmission.



No. of Pages : 117 No. of Claims : 12

(54) Title of the invention : LED BASED PEDESTAL-TYPE LIGHTING STRUCTURE

(51) International classification :F21K99/00
 (31) Priority Document No :61/339,516
 (32) Priority Date :03/03/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/000397
 Filing Date :02/03/2011
 (87) International Publication No :WO 2011/109091
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

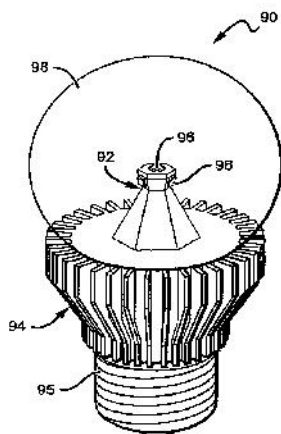
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(72)Name of Inventor :

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(57) Abstract :

LED based lamps and bulbs are disclosed that comprise a pedestal having a plurality of LEDs, wherein the pedestal at least partially comprises a thermally conductive material. A heat sink structure is included with the pedestal thermally coupled to the heat sink structure. A remote phosphor is arranged in relation to the LEDs so that at least some light from the LEDs passes through the remote phosphor and is converted to a different wavelength of light. Some lamp or bulb embodiments can emit a white light combination of light from the LEDs and the remote phosphor. These can include LEDs emitting blue light with the remote phosphor having a material that absorbs blue light and emits yellow or green light. A diffuser can be included to diffuse the emitting light into the desired pattern, such as omnidirectional.



No. of Pages : 50 No. of Claims : 54

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2563/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : METHOD AND APPARATUS FOR TRANSMITTING CONTROL INFORMATION IN A WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04L27/26,H04L1/16,H04B7/26
(31) Priority Document No :61/361,925
(32) Priority Date :07/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2011/004952
Filing Date :07/07/2011
(87) International Publication No :WO 2012/005516
(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)CHUNG, Jaehoon
3)LEE, Hyunwoo

(57) Abstract :

The present invention relates to a method in which a terminal transmits control information in a wireless communication system, comprising the following steps: selecting a PUCCH resource for control information from among a plurality of PUCCH resources; transmitting through the selected PUCCH resource, a PUCCH signal carrying the modulation value corresponding to the control information; and transmitting a reference signal for the demodulation of the PUCCH signal, wherein the control information is identified by a combination of the PUCCH resource and resources for the modulation value and the reference signal.

No. of Pages : 98 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2564/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : SUBSTITUTED PYRIDINES HAVING HERBICIDAL ACTION

<p>(51) International classification :C07D491/052,A01N43/90</p> <p>(31) Priority Document No :61/316,400</p> <p>(32) Priority Date :23/03/2010</p> <p>(33) Name of priority country :U.S.A.</p> <p>(86) International Application No :PCT/EP2011/054258</p> <p>Filing Date :21/03/2011</p> <p>(87) International Publication No :WO 2011/117195</p> <p>(61) Patent of Addition to Application Number :NA</p> <p>Filing Date :NA</p> <p>(62) Divisional to Application Number :NA</p> <p>Filing Date :NA</p>	<p>(71)Name of Applicant : 1)BASF SE Address of Applicant :67056 Ludwigshafen GERMANY</p> <p>(72)Name of Inventor : 1)WITSCHER, Matthias 2)MOBERG, William Karl 3)PARRA RAPADO, Liliana 4)QU, Tao 5)STELZER, Frank 6)KLOET, Andree van der 7)SEITZ, Thomas 8)EHRHARDT, Thomas 9)KREUZ, Klaus 10)GRO MANN, Klaus 11)MICHROWSKA-PIANOWSKA, Anna Aleksandra 12)SIMON, Anja 13)REINGRUBER, Rüdiger 14)KRAUS, Helmut 15)SONG, Dschun 16)MAJOR, Julia 17)HUTZLER, Johannes 18)NEWTON, Trevor William 19)HÖFFKEN, Hans Wolfgang 20)MIETZNER, Thomas</p>
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(57) Abstract :

Substituted pyridines of the formula (I) in which the variables are defined according to the description, processes and intermediates for preparing the compounds of the formula (I) and their N-oxides, their agriculturally suitable salts, compositions comprising them and their use as herbicides, and also methods for controlling unwanted vegetation.

No. of Pages : 133 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2556/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : METHOD FOR PURIFYING A FLUID THROUGH A THROUGH-FLOW CONDENSER, AND APPARATUS FOR PURIFYING A FLUID, IN PARTICULAR SUITABLE FOR IMPLEMENTING SUCH A METHOD

(51) International classification	:C02F1/469,C02F5/00	(71)Name of Applicant :
(31) Priority Document No	:PD2010A000055	1)IDROPAN DELL'ORTO DEPURATORI S.R.L.
(32) Priority Date	:24/02/2010	Address of Applicant :Via Valassina, 19, I-20159 Milano
(33) Name of priority country	:Italy	ITALY
(86) International Application No	:PCT/IB2011/000405	(72)Name of Inventor :
Filing Date	:24/02/2011	1)SERVIDA, Tullio
(87) International Publication No	:WO 2011/104622	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Apparatus for purifying a fluid through a through-flow condenser, which comprises a tank of solubilising product and means for inserting it into a momentarily interrupted supply conduit. After having inserted a measured dose of solubilising product received from a tank into the same supply conduit, a logic control unit controls its forward motion in the condenser through the passage of a fluid transportation flow rate measured to transport the dose of solubilising product up to the electrodes of the condenser.

No. of Pages : 28 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2557/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/09/2012

(43) Publication Date : 07/06/2013

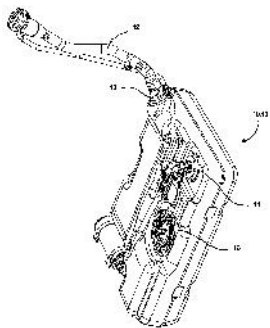
(54) Title of the invention : NECK ASSEMBLY

(51) International classification :B60K15/04,B60K15/01
(31) Priority Document No :61/312,461
(32) Priority Date :10/03/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2011/000164
Filing Date :14/02/2011
(87) International Publication No :WO 2011/109887
(61) Patent of Addition 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)YAGER, Jeff
2)BUTUM, Daniel

(57) Abstract :

A neck assembly of a fuel system component comprises a housing. The housing comprises a sleeve having a first end portion positioned exterior to the fuel system component and a longitudinally opposed second end portion. The housing further comprises an encapsulation ring extending radially outwardly from the second end portion of the sleeve and encapsulated within a wall of the fuel system component. The neck assembly further comprises a valve cartridge at least partially received within the sleeve and secured thereto. The valve cartridge comprises a conduit having a first end portion positioned exterior to the fuel system component and a longitudinally opposed second end portion.



No. of Pages : 32 No. of Claims : 34

(54) Title of the invention : METHOD AND APPARATUS FOR TRANSMITTING CONTROL INFORMATION IN WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04L1/16,H04L27/26,H04B7/26
 (31) Priority Document No :61/332,167
 (32) Priority Date :06/05/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/KR2011/002631
 Filing Date :13/04/2011
 (87) International Publication No :WO 2011/139027
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
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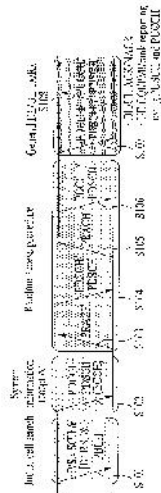
2)KO, Hyunsoo

3)CHUNG, Jaehoon

4)LEE, Moonil

(57) Abstract :

The present invention pertains to a wireless communication system. The present invention relates to a method for transmitting ACK/NACK in a wireless communication system in which carrier aggregation is set and an apparatus therefor. Specifically the present invention relates to an ACK/NACK transmission method and an apparatus therefor the method comprising the steps of: receiving information on a plurality of physical uplink control channel (PUCCH) resources via upper layer signaling; receiving a transmit power control (TPC) field on a secondary carrier through a physical downlink control channel (PDCCH); receiving data indicated by the PDCCH; and transmitting ACK/NACK for the data wherein the ACK/NACK is transmitted using a PUCCH resource which is indicated by the value of the TPC field among the plurality of PUCCH resources.



No. of Pages : 70 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2559/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : FLEXIBLE SHEET-LIKE MATERIAL FOR BOUNDING A MATRIX MATERIAL FEED SPACE AND METHOD FOR THE PRODUCTION THEREOF

(51) International classification :B29C70/54,B29C44/32,D06N7/00
(31) Priority Document No :10 2010 011 067.1
(32) Priority Date :11/03/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/001162
Filing Date :09/03/2011
(87) International Publication No :WO 2011/110340
(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)EADS DEUTSCHLAND GmbH
(72)Name of Inventor :
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2)HÄNSCH, Manfred
3)PRIBIL, Leopold
4)HIERHAMMER, Wilhelm

(57) Abstract :

The flexible sheet-like material comprises a textile layer, which is coated at least on one side with a functional layer which is permeable to gas but impermeable to the matrix material, acting as a barrier layer for the matrix material, and is produced by coating the textile layer directly with a foam or a paste.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2560/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : APPARATUS FOR TRANSMITTING AN UPLINK SIGNAL AND METHOD THEREOF

(51) International classification :H04J11/00,H04B7/26,H04W72/04
(31) Priority Document No :61/366,909
(32) Priority Date :22/07/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2011/003627
Filing Date :17/05/2011
(87) International Publication No :WO 2012/011658
(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)SEO, Inkwon
2)LEE, Daewon
3)KIM, Bonghoe
4)KIM, Kijun

(57) Abstract :

An apparatus for transmitting an uplink signal and method thereof are disclosed, by which an uplink signal can be efficiently transmitted in a wireless communication system. The present invention includes receiving a downlink control information (DCI) used for PUSCH (physical uplink shared channel) scheduling the DCI including an information for resource block allocation, an information for a channel status information request and a plurality of MCS (modulation and coding scheme) informations for a plurality of transport blocks and if a condition is met transmitting a channel status information only on the PUSCH without a transport block for UL SCH (uplink shared channel). Moreover the condition includes a case that: only one transport block is enabled, the MCS information for the enabled transport block indicates an MCS index 29 the information for the channel status information request indicates 1, and the number of allocated resource blocks is equal to or smaller than 4.

No. of Pages : 78 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2565/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : IMAGE READER AND IMAGE FORMING APPARATUS

(51) International classification :H04N1/04,H04N1/028
(31) Priority Document No :2010-059554
(32) Priority Date :16/03/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/055566
Filing Date :03/03/2011
(87) International Publication No :WO 2011/114973
(61) Patent of Addition 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)SOEDA, Yoshihisa

(57) Abstract :

An image reader includes a first image reading unit that reads first image data by scanning one surface of a document at a first resolution corresponding to a magnification ratio and a predetermined first scan cycle; and a second image reading unit that accumulates light radiated from a light source and reads second image data by scanning other surface of the document at a fixed second resolution and a second scan cycle corresponding to the magnification ratio, wherein the second image reading unit controls light accumulation time of the light radiated from the light source to be constant.

No. of Pages : 61 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2566/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : CONTROL INFORMATION TRANSMISSION METHOD AND A DEVICE THEREFOR

(51) International classification :H04L1/18,H04J11/00,H04B7/26
(31) Priority Document No :61/320,276
(32) Priority Date :01/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2011/002277
Filing Date :01/04/2011
(87) International Publication No:WO 2011/122902
(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)CHUNG, Jae Hoon
2)LEE, Hyun Woo
3)KWON, Young Hyoun
4)JANG, Ji Woong
5)HAN, Seung Hee

(57) Abstract :

The present invention relates to a wireless communication system supporting carrier aggregation. More specifically, the present invention relates to a method in which a terminal transmits ACK/NACK and to a device therefor; and relates to a method comprising the steps of: receiving one or more items of data simultaneously on a plurality of carriers; generating an ACK/NACK payload comprising one or more items of ACK/NACK information about the one or more items of data; and transmitting the ACK/NACK payload, wherein the position of each item of ACK/NACK information in the ACK/NACK payload corresponds to respective carriers, and the present invention relates to a device for the method.

No. of Pages : 69 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2567/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : UNITARY BIOCHIP PROVIDING SAMPLE-IN TO RESULTS-OUT PROCESSING AND METHODS OF MANUFACTURE

(51) International classification	:G01N27/447
(31) Priority Document No	:61/339,743
(32) Priority Date	:09/03/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/027787
Filing Date	:09/03/2011
(87) International Publication No	:WO 2011/112746
(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)TAN, Eugene

(57) Abstract :

A biochip for the integration of all steps in a complex process from the insertion of a sample to the generation of a result, performed without operator intervention. The biochip comprises a microfluidic processing subassembly (18, 27, 28, 29), a fluidic subassembly (1, 2,3), a pneumatic subassembly (14, 15, 16) and a separation and detection subassembly (32) that are acted on by electrophoresis instrument subsystems in a series of scripted processing steps. Methods for fabricating these complex biochips of high feature density by injection molding are also provided.

No. of Pages : 178 No. of Claims : 50

(54) Title of the invention : MILKING APPARATUS AND A METHOD FOR PRESENTING A TEAT CUP FOR ATTACHING TO AN ANIMAL

(51) International classification	:A01J5/017,A01K1/12	(71)Name of Applicant :
(31) Priority Document No	:S2010/0071	1)DEWVALE LIMITED
(32) Priority Date	:10/02/2010	Address of Applicant :104 Rock Street, Tralee, County Kerry
(33) Name of priority country	:Ireland	IRELAND
(86) International Application No	:PCT/IE2011/000009	(72)Name of Inventor :
Filing Date	:09/02/2011	1)HARTY, Edmond, Patrick Senior
(87) International Publication No	:WO 2011/098994	2)HARTY, Edmond, Patrick Junior
(61) Patent of Addition to Application Number	:NA	3)HARTY, John
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A rotary milking platform (1) comprises a plurality of apparatus, each of which comprises a platform (11) which forms a segment of the rotary platform (1). The platforms (11) define respective animal accommodating locations (3) for animals to be milked. A communicating opening (20) in each platform (11) is closed by a pair of closure plates (25) which are pivotal upwardly into an open state for separating the hind legs of an animal. A carriage (14) which is slideably carried beneath the platform (11) of each apparatus (10) in the directions of the arrows A and B. A teat cup carrier (15) is pivotally mounted in the carriage (14) of each apparatus (10) and is pivotal from a first state with teat cups (16) in the carrier (15) in a protective state extending horizontally and a second state with the teat cups (16) in a ready state extending vertically upwardly and ready for manual placement onto the teats of an animal. The carriage (14) is urgeable into a first position with the teat cup carrier (15) in the first state and with the teat cups (16) sealably engaged in plug elements (45) which include jettors (47) for use in rinsing and washing the milking system. The carriage (14) is moveable from the first position to a second position with the teat cup carrier (15) substantially aligned with the udder of an animal so that when the teat cup carrier (15) is urged into the second state, the teat cups (16) can be manually urged upwardly by hand and attached to the teat of the animal.

No. of Pages : 54 No. of Claims : 100

(54) Title of the invention : METHOD FOR CONTROLLING DOWNLINK TRANSMISSION POWER AND APPARATUS FOR SAME

(51) International classification :H04W52/24,H04W88/08,H04J11/00
 (31) Priority Document No :61/391,674
 (32) Priority Date :10/10/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/KR2011/007475
 Filing Date :10/10/2011
 (87) International Publication No :WO 2012/050328
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
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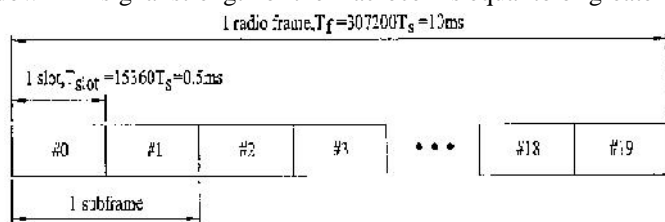
(72)Name of Inventor :

1)SEO, Hanbyul

2)CHOI, Youngseob

(57) Abstract :

The present invention relates to a wireless communication system. Particularly, the present invention relates to a method in which a home base station performs power control and an apparatus for the same, the method comprising the steps of: acquiring information on downlink signal strength of a macrocell; and determining an upper limit of downlink transmission power of the home base station by taking into consideration the downlink signal strength of the macrocell, wherein: when a predetermined condition is satisfied the upper limit of the downlink transmission power of the home base station is determined to be an intermediate value among a minimum transmission power value a maximum transmission power value, and a power control value proportional to the downlink signal strength of the macrocell; and when the predetermined condition is not satisfied the upper limit of the downlink transmission power of the home base station is determined to be a predetermined fixed value, the predetermined condition being a value indicating the downlink signal strength of the macrocell is equal to or greater than a first threshold value.



No. of Pages : 53 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2570/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : CODE BOOK CONTROL METHOD, BASE STATION APPARATUS AND MOBILE STATION APPARATUS

(51) International classification :H04J99/00,H04J11/00,H04W28/18
(31) Priority Document No :2010-052140
(32) Priority Date :09/03/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/054495
Filing Date :28/02/2011
(87) International Publication No :WO 2011/111557
(61) Patent of Addition 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)TAOKA, Hidekazu
2)GEITL, Guido
3)KUSUME, Katsutoshi

(57) Abstract :

This invention is directed to facilitation of selection of an optimum PMI according to a channel variation amount in a channel propagation path. In a method for controlling a code book, which comprises a plurality of DFT code books defining a precoding matrix that is to be selected when a base station apparatus (eNodeB) has a high correlation between antennas and which further comprises a plurality of random code books defining a precoding matrix that is to be selected when the base station apparatus (eNodeB) has a low correlation between the antennas, a channel variation amount in a channel propagation path is estimated and a constituent ratio between the DFT code books and the random code books included in the code book is adaptively changed based on the estimated channel variation amount.

No. of Pages : 59 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2571/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/09/2012

(43) Publication Date : 07/06/2013

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

(51) International classification :A23G3/00,A23G3/20,A23L1/00
(31) Priority Document No :1003288.6
(32) Priority Date :26/02/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/050381
Filing Date :25/02/2011
(87) International Publication No:WO 2011/104564
(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)BANISTER, Stuart Mark
3)WILLIAMSON, Finbarr Charles Ronald
4)JELLEY, Simon Philip
5)BUFTON, Andrew Christopher
6)BOWN, Gavin

(57) Abstract :

A method of manufacturing products comprising an outer casing of a first material (12) and containing at least one chamber (18) filled with a second material (14) comprises extruding the first material through a die (10) to form an extrudate body (16) and delivering the second material through at least one fluid outlet (22) in the die to form the least one filled chamber. The extrusion process is varied periodically and momentarily to produce sections (30) of extrudate body having no filled chamber. In one embodiment, the flow of the second material (14) is periodically reduced to form the unfilled sections. The flow of the second material (14) may be reduced by increasing the volume of a supply path for the second material upstream from the die (10). Apparatus for carrying out the method is also disclosed. The method and apparatus are particularly adapted for producing food, and especially confectionery, products.

No. of Pages : 116 No. of Claims : 74

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2573/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : METHOD AND APPARATUS FOR APPLYING PLASMA PARTICLES TO A LIQUID AND USE FOR DISINFECTING WATER

(51) International classification	:H05H1/00,C02F1/00	(71)Name of Applicant :
(31) Priority Document No	:61/303,267	1)ZOLEZZI-GARRETON, Alfredo
(32) Priority Date	:10/02/2010	Address of Applicant :1/2 Oriente 1050, Office 204, Vina Del
(33) Name of priority country	:U.S.A.	Mar CHILE
(86) International Application No	:PCT/IB2011/000433	(72)Name of Inventor :
Filing Date	:09/02/2011	1)ZOLEZZI-GARRETON, Alfredo
(87) International Publication No	:WO 2011/098918	
(61) Patent of Addition to Application		
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention provides a method and apparatus for creating plasma particles and applying the plasma particles to a liquid. Liquid feedstock (e.g., water and/or hydrocarbons mixed with biomass) is pumped through a pipeline; the single phase stream is then transformed into a biphasic liquid-and-gas stream inside a chamber. The transformation is achieved by transitioning the stream from a high pressure zone to a lower pressure zone. The pressure drop may occur when the stream further passes through a device for atomizing liquid. Inside the chamber, an electric field is generated with an intensity level that exceeds the threshold of breakdown voltage of the biphasic medium leading to a generation of a plasma state. Furthermore, the invention provides an energy-efficient highly adaptable and versatile method and apparatus for sanitizing water using plasma particles to inactivate biological agents contaminating water.

No. of Pages : 52 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2569/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : DEVICE HAVING A PNEUMATIC ACTUATING CYLINDER, AND METHOD FOR CONTROLLING A DEVICE OF SAID TYPE

(51) International classification	:F15B11/076,F15B15/26
(31) Priority Document No	:10 2010 022 747.1
(32) Priority Date	:04/06/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/001113
Filing Date	:07/03/2011
(87) International Publication No	:WO 2011/150990
(61) Patent of Addition 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)BROSCH, Armin

2)SCHMIDT, Detlef

3)WILLMS, Jens

(57) Abstract :

The invention relates to a device having a pneumatic actuating cylinder (1), wherein the actuating cylinder (1) has at least one pneumatic piston (2) and a brake element (15) which can be actuated in an arbitrary manner and which is connected to the pneumatic piston (2) or to a component (3, 7) which can be moved by means of the pneumatic piston (2), wherein a movement of the pneumatic piston (2) can be braked or suppressed by an actuation of the brake element (15). The invention also relates to a method for controlling a device of said type.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2580/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : RUGGEDIZED RADIO FREQUENCY IDENTIFICATION TAG

(51) International classification :G06K19/077,H01Q1/22,H01Q1/44
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2010/023934
Filing Date :11/02/2010
(87) International Publication No :WO 2011/099973
(61) Patent of Addition 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)CASDEN, Martin, S.

(57) Abstract :

A radio frequency identification (RFID) transponder tag is contained in and electrically connected to a mechanically rugged metallic tag housing slotted to define a radio frequency antenna, such as a half turn antenna and sealed with an epoxy filling.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2581/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : SIGNAL PROCESSOR, WINDOW PROVIDER, ENCODED MEDIA SIGNAL, METHOD FOR PROCESSING A SIGNAL AND METHOD FOR PROVIDING A WINDOW

(51) International classification :G10L19/02

(31) Priority Document No :61/312,775

(32) Priority Date :11/03/2010

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/EP2011/053491

Filing Date :08/03/2011

(87) International Publication No :WO 2011/110572

(61) Patent of Addition 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)HELMRICH Christian

2)GEIGER Ralf

(57) Abstract :

A signal processor for providing a processed version of an input signal in dependence on the input signal comprises a windower configured to window a portion of the input signal, or of a pre-processed version thereof, in dependence on a signal processing window described by signal processing window values for a plurality of window value index values, in order to obtain the processed version of the input signal. The signal processor also comprises a window provider for providing the signal processing window values for a plurality of window value index values in dependence on one or more window shape parameters.

No. of Pages : 67 No. of Claims : 33

(54) Title of the invention : SIGNAL PROCESSOR, WINDOW PROVIDER, ENCODED MEDIA SIGNAL, METHOD FOR PROCESSING A SIGNAL AND METHOD FOR PROVIDING A WINDOW

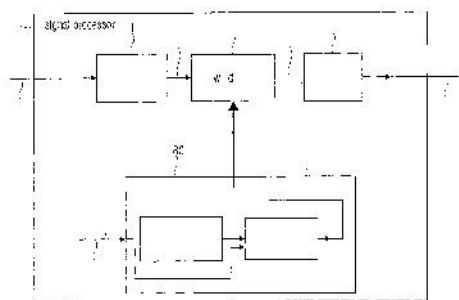
(51) International classification :G10L19/02
 (31) Priority Document No :61/312,775
 (32) Priority Date :11/03/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/EP2011/053484
 Filing Date :08/03/2011
 (87) International Publication No :WO 2011/110569
 (61) Patent of Addition 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)HELMRICH, Christian
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(57) Abstract :

A signal processor for providing a processed version of an input signal in dependence on the input signal comprises a windower configured to window a portion of the input signal, or of a pre-processed version thereof, in dependence on a signal processing window described by signal processing window values for a plurality of window value index values, in order to obtain the processed version of the input signal. The signal processor also comprises a window provider for providing the signal processing window values for a plurality of window value index values in dependence on one or more window shape parameters.



No. of Pages : 59 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2583/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : AUDIO SIGNAL DECODER, AUDIO SIGNAL ENCODER, METHODS AND COMPUTER PROGRAM USING A SAMPLING RATE DEPENDENT TIME-WARP CONTOUR ENCODING

(51) International classification :G10L19/02
(31) Priority Document No :61/312,503
(32) Priority Date :10/03/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2011/053538
Filing Date :09/03/2011
(87) International Publication No :WO 2011/110591
(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)BÄCKSTRÖM, Tom

3)GEIGER, Ralf

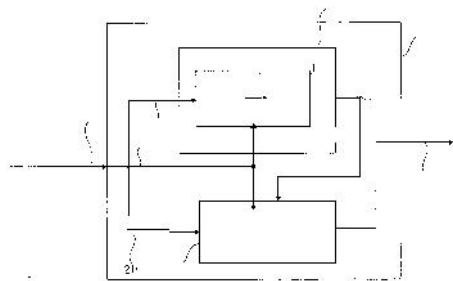
4)EDLER, Bernd

5)DISCH, Sascha

6)VILLEMOES, Lars

(57) Abstract :

An audio signal decoder configured to provide a decoded audio signal representation on the basis of an encoded audio signal representation comprising a sampling frequency information, an encoded time warp information and an encoded spectrum representation comprises a time warp calculator and a warp decoder. The time warp calculator is configured to adapt a mapping rule for mapping codewords of the encoded time warp information onto decoded time warp values describing the decoded time warp information in dependence on the sampling frequency information. The warp decoder is configured to provide the decoded audio signal representation on the basis of the encoded spectrum representation and in dependence on the decoded time warp information.



No. of Pages : 78 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2574/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : RECONFIGURABLE MULTILAYER LAMINATES AND METHODS

(51) International classification :B32B7/06,B32B7/12,B32B27/08
(31) Priority Document No :61/312,052
(32) Priority Date :09/03/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/026595
Filing Date :01/03/2011
(87) International Publication No :WO 2011/112387
(61) Patent of Addition 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)HOLBERT, Victor, P.
2)PURDEF, Paul, L.
3)NEIMAN, Richard, A.

(57) Abstract :

A multilayer laminate including a liner, a film, and an adhesive layer between the liner and film layers is described. The laminate includes a first release layer between the film layer and the adhesive layer, and a second release layer between the liner and the adhesive layer. The release characteristics of the two release layers are controlled to thereby enable the film layer after receiving printed designs and/or text, to be removed from the remaining portion of the laminate, re-oriented, and then re-applied to the remaining portion of the laminate. Related methods associated with reconfiguring the laminate and application to articles or other receiving surfaces are also described.

No. of Pages : 21 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2575/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : APPARATUS AND METHOD FOR SCHEDULING OF ADAPTIVE GRANT AND POLLING SERVICE IN A BROADBAND WIRELESS ACCESS SYSTEM

(51) International classification :H04W72/14,H04W74/06,H04J11/00
(31) Priority Document No :61/312,623
(32) Priority Date :10/03/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2011/001440
Filing Date :02/03/2011
(87) International Publication No :WO 2011/111947
(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)RYU, Kiseon
3)YUK, Youngsoo

(57) Abstract :

Disclosed is a method for performing uplink scheduling for an adaptive grant and polling (aGP) service in a broadband wireless access system, the method comprising: transmitting a first message for requesting the switching or changing of a QoS(quality of service) parameter set to a base station; receiving, from the base station, a service specific scheduling control header including adaptation start time information for adapting a new QoS parameter set; and switching or changing to the new QoS parameter set at the checked adaptation start time after checking the adaptation start time information within the received service specific scheduling control.

No. of Pages : 24 No. of Claims : 16

(54) Title of the invention : COMPOSITIONS WITH FREEZE THAW STABILITY

(51) International classification :C08F16/12
 (31) Priority Document No :61/337,927
 (32) Priority Date :12/02/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/024709
 Filing Date :14/02/2011
 (87) International Publication No :WO 2011/100660
 (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)BZDUCHA, Wojciech
3)HERVE, Pascal
4)HENNAUX, Pierre
5)O'ROURKE, Mary
6)PARK, Ericka

(57) Abstract :

Composition including freeze thaw stability polymer such as a copolymer having a weight average molecular weight of at least about 30,000 grams per mole, a blend of a first polymer and a second polymer, a crosslinked alkali swellable acrylate copolymer, or at least one polymehzable reactive alkoxyated acrylate monomer. The copolymer has one or more first monomeric units and one or more second monomeric units. The one or more first monomeric units each independently including at least one bicycloheptyl-polyether, bicycloheptenyl polyether or branched (C5-C50)alkyl polyether group per monomeric unit. The bicycloheptyl-polyether or bicycloheptenyl polyether group may optionally be substituted on one or more ring carbon atoms by one or two (C1C6)alkyl groups per carbon atom. The one or more second monomeric units each independently including at least one pendant linear or branched (C5-C50)alkyl polyether group per monomeric unit. The first and second monomeric units do not both have branched (C5-C50)alkyl-polyether group.

No. of Pages : 163 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2577/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : PROPELLER ASSEMBLY COMPRISING ONE HUB AND AT LEAST TWO BLADES

(51) International classification :B01F7/00,B63H1/20,F04D29/34
(31) Priority Document No :1050242-5
(32) Priority Date :17/03/2010
(33) Name of priority country :Sweden
(86) International Application No :PCT/SE2011/050274
Filing Date :14/03/2011
(87) International Publication No :WO 2011/115552
(61) Patent of Addition 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)PYDDOKE, Thomas

(57) Abstract :

The inventions refer to a mixer assembly for generating and maintaining a movement within waste water, comprising a hub (3) and at least two blades (4), which are disengageably connected to said hub (3), the hub (3) in a rear end being arranged to be connected to a drive shaft and thereby being arranged to be driven in rotation about an axially extending centre axis. According to the invention the hub (3) comprises a seat (9) for each of said at least two blades (4), each seat (9) comprising an axially extending first engagement means (10), and that each blade (4) comprises an axially extending second engagement means (11), said first engagement means (10) and said second engagement means (11) together being arranged to admit axial mutual displacement of said hub (3) and each of said blades (4) during mounting/demounting of the propeller assembly and is thereto arranged to prevent radial mutual displacement of said hub (3) and each of said blades (4) when the mixer assembly is in an assembled condition.

No. of Pages : 23 No. of Claims : 10

(54) Title of the invention : REFLECTOR, RECEIVER ARRANGEMENT, AND SENSOR FOR THERMAL SOLAR COLLECTORS

(51) International classification :F24J2/10,F24J2/14,F24J2/08
 (31) Priority Document No :10 2010 007 422.5
 (32) Priority Date :10/02/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/DE2011/000123
 Filing Date :10/02/2011
 (87) International Publication No :WO 2011/098072
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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GERMANY

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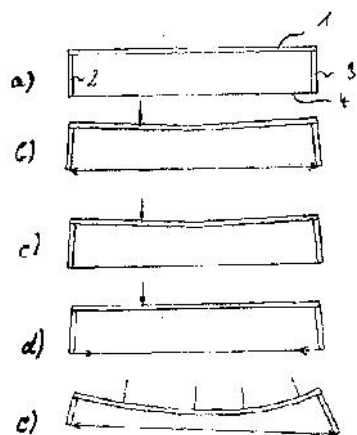
(72)Name of Inventor :

1)KUNZ, Günther

2)LORENZ, Pi'erre

(57) Abstract :

The invention relates to a reflector for uniaxially concentrating thermal solar collectors, comprising an elastic panel and a means that introduces the oppositely directed bending moments from two opposite sides into the panel. The invention further relates to a receiver for highly concentrating thermal solar collectors, said receiver being arranged inside a protective casing wherein the protective casing is radiopaque and has an opening that is sealed air-tight, through which opening the radiation can penetrate into the interior of the protective casing. One aspect of the invention relates to a sensor for uniaxially and biaxially concentrating thermal solar collectors, said sensor having a hollow body, in which a photoelectric cell is arranged and which has an opening in which a transparent scattering element is arranged, wherein the outside of the hollow body is reflective to radiation.



No. of Pages : 55 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2597/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : NOVEL COMPOUNDS AND COMPOSITIONS FOR TARGETING CANCER STEM CELLS

(51) International classification :A61K31/27
(31) Priority Document No :61/315,886
(32) Priority Date :19/03/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/029281
Filing Date :21/03/2011
(87) International Publication No :WO 2011/116398
(61) Patent of Addition 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 :333 Providence Highway Norwood,
MA 02062 UNITED STATES OF AMERICA

(72)Name of Inventor :
1)LI, Chiang, Jia
2)LEGGETT, David
3)LI, Youzhi
4)LI, Wei

(57) Abstract :

The invention provides naphthofuran compounds, polymorphs of naphthofuran compounds, naphthofuran compounds in particle form, purified compositions that contain one or more naphthofuran compounds, purified compositions that contain one or more naphthofuran compounds in particle form, methods of producing these naphthofuran compounds, polymorphs, purified compositions and/or particle forms, and methods of using these naphthofuran compounds, polymorphs, purified compositions and/or particle forms to treat subjects in need thereof.

No. of Pages : 136 No. of Claims : 50

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2598/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : METHOD FOR AUTOMATICALLY OPERATING A MEASURING DEVICE FOR MEASURING PARTICLES IN GASES

(51) International classification :G01N1/22,G01N15/06,G01M15/10
(31) Priority Document No :GM 199/2010
(32) Priority Date :25/03/2010
(33) Name of priority country :Austria
(86) International Application No :PCT/EP2011/053890
Filing Date :15/03/2011
(87) International Publication No :WO 2011/117115
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)AVL LIST GMBH
Address of Applicant :Hans-List-Platz 1, A-8020 Graz
AUSTRIA
(72)Name of Inventor :
1)UNGER, Erich
2)SCHIEFER, Erich
3)FRITZ, Oliver

(57) Abstract :

In the course of a method for automatically operating a measuring device for measuring particles in gases, in particular for measuring carbon black particles in the exhaust gas of internal combustion engines, particle-related variables are repeatedly determined from the blackening of a filter paper in temporally limited individual measurements and the differential pressure caused by the flow of measurement gas is monitored via the internal measuring diaphragm, wherein the individual measurement is automatically terminated and an error message is output below a primary threshold value for the differential pressure. In order to now minimize interruptions in measurement operation and to increasingly ensure that correct measured values are output, the passing of a secondary threshold value for the differential pressure, which is above the primary threshold value, is monitored and the individual measurement is automatically terminated if this secondary threshold value is undershot, and the satisfaction of at least one predefined criterion is checked, wherein the individual measurement is terminated with an error message if this criterion is not satisfied, whereas a measured value is output if the criterion is satisfied.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2599/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : COMPOSITION COMPRISING PROBIOTIC BACTERIA FOR USE IN THE TREATMENT OF IMMUNE DISORDERS

(51) International classification :A61K35/74,A61P37/00,A61P17/00
(31) Priority Document No :MI2010A000375
(32) Priority Date :08/03/2010
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2011/000490
Filing Date :07/03/2011
(87) International Publication No :WO 2011/110918
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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ITALY
(72)Name of Inventor :
1)MOGNA, Giovanni
2)STROZZI, Gian Paolo
3)MOGNA, Luca
4)DRAGO, Lorenzo

(57) Abstract :

The present invention relates to a composition comprising probiotic bacteria for the treatment of pathologies associated with alterations of the immune system. In particular, the present invention relates to the use of selected probiotic bacteria for the preparation of a composition for the treatment of allergies, such as atopic dermatitis.

No. of Pages : 50 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2589/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : METHOD AND DEVICE FOR PRODUCING SEALING RINGS

(51) International classification	:B21H1/06,F16J15/08	(71)Name of Applicant :
(31) Priority Document No	:102010028797.0	1)Federal-Mogul Sealing Systems GmbH
(32) Priority Date	:10/05/2010	Address of Applicant :Hermann-Goetze-Strasse, 57562
(33) Name of priority country	:Germany	Herdorf, GERMANY
(86) International Application No	:PCT/EP2011/051041	(72)Name of Inventor :
Filing Date	:26/01/2011	1)PREHN, Rolf
(87) International Publication No	:WO 2011/141190	2)ULBRICH, Axel
(61) Patent of Addition to Application Number	:NA	3)SCHNEIDER, Burkhard
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for producing sealing rings open to the outside or to the inside, which method comprises the steps of providing a tube (2), arranging the wall of the tube (2) between at least one first roller (4) that is parallel to the tube (2) and has a first outside contour and at least one second roller (6) that is parallel to the tube (2) and has a second outside contour; carrying out a relative movement of the at least one first roller (4) and the at least one second roller (6) towards each other; forming at least one sealing ring by a relative movement of the wall of the tube (2) between the at least one first roller (4) and the at least one second roller (6), wherein the cross section of the at least one sealing ring is defined substantially by the space between the first and second outside contours; and severing the at least one sealing ring from the tube (2). The invention also relates to a device for carrying out the method and to a sealing ring produced in said manner.

No. of Pages : 36 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2590/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : CENTRIFUGAL SEPARATOR

(51) International classification :B04B5/00,B04B5/08,B04B5/12
(31) Priority Document No :1050350-6
(32) Priority Date :09/04/2010
(33) Name of priority country :Sweden
(86) International Application No :PCT/SE2011/050398
Filing Date :05/04/2011
(87) International Publication No :WO 2011/126436
(61) Patent of Addition 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)SZEPESSY, Stefan
2)TÖRNBLOM, Olle

(57) Abstract :

A device (1) for cleaning of polluted gas from a combustion engine, which device comprises a centrifugal separator (2) with a centrifuge rotor (3) which is arranged to cause the polluted gas to rotate. The centrifuge rotor (3) comprises a stack of truncated conical separating discs (6) disposed at mutual spacing so that they delimit intermediate spaces (7) between them for the gas to flow through. An outlet chamber (11) is disposed centrally within the stack of separating discs (6), whereby the centrifuge rotor (3) is configured for counterflow separation. The centrifugal separator comprises a gas outlet (13) which communicates with the outlet chamber (11) and which is adapted to discharging cleaned gas from the centrifuge rotor. The stack of separating discs (6) is disposed for rotation in a space (4) formed within the combustion engine and arranged to receive the polluted gas, to which end the intermediate spaces (7) between the separating discs (6) communicate directly with the space (4), and the gas outlet (13) is arranged to conduct the cleaned gas out from the space through a wall (5) which delimits the space.

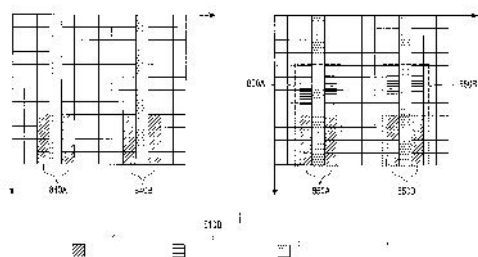
No. of Pages : 21 No. of Claims : 20

(54) Title of the invention : MULTIPLEXING CONTROL AND DATA INFORMATION FROM A USER EQUIPMENT IN A PHYSICAL DATA CHANNEL

(51) International classification	:H04L1/18,H04J11/00	(71)Name of Applicant :
(31) Priority Document No	:61/316,134	1)SAMSUNG ELECTRONICS CO., LTD.
(32) Priority Date	:22/03/2010	Address of Applicant :129, Samsung-ro, Yeongtong-gu Suwon
(33) Name of priority country	:U.S.A.	si, Gyeonggi-do 443-742, Republic of KOREA
(86) International Application No	:PCT/KR2011/001962	(72)Name of Inventor :
Filing Date	:22/03/2011	1)PAPASAKELLARIOU Aris
(87) International Publication No	:WO 2011/118965	2)KIM YOUNG-BUM
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Methods and apparatus are described for a User Equipment (UE) to transmit HARQ ACK information in a Physical Uplink Shared CHannel (PUSCH) in response to a reception of at least one Transport Block (TB) when the UE is configured by a base station with multiple DownLink (DL) Component Carriers (CCs), for selecting a single PUSCH for transmitting of Uplink Control Information (UCI), when the UE has multiple PUSCH transmissions, for improving the reliability of the HARQ ACK reception when it is encoded using a block code relative to when it is encoded using the repetition code, and for applying transmission diversity to the HARQ ACK transmission in a PUSCH.



No. of Pages : 43 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2592/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : METHOD AND APPARATUS FOR CONTROLLING RETRANSMISSION ON UPLINK IN A WIRELESS COMMUNICATION SYSTEM SUPPORTING MIMO

(51) International classification :H04B7/04,H04L1/18,H04J11/00
(31) Priority Document No :10-2010-0028207
(32) Priority Date :29/03/2010
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2011/002161
Filing Date :29/03/2011
(87) International Publication No:WO 2011/122835
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SAMSUNG ELECTRONICS CO., LTD.
Address of Applicant :129, SAMSUNG-RO, YEONGTONG-GU, SUWON-SI GYEONGGI-DO 443-742, KOREA
(72)Name of Inventor :
1)HAN,Jin-Kyu
2)KIM, Youn-Sun
3)YEON, Myung-Hoon
4)YU, Han-Il

(57) Abstract :

A method is provided for controlling retransmission by a User Equipment (UE) in a wireless communication system supporting Multiple Input Multiple Output (MIMO) technology. A plurality of transport blocks is initially transmitted to a Node B. A retransmission request for at least one transport block among the plurality of transport blocks is received from the Node B. A precoding matrix for retransmission of the at least one transport block is determined based on the retransmission request for the at least one transport block. The at least one transport block is retransmitted using the determined precoding matrix.

No. of Pages : 78 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2593/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : FORMWORK COLUMN

(51) International classification	:E04G13/02,E04G9/08
(31) Priority Document No	:20100360
(32) Priority Date	:12/03/2010
(33) Name of priority country	:Norway
(86) International Application No	:PCT/NO2011/000065
Filing Date	:23/02/2011
(87) International Publication No	:WO 2011/119036
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)MINDOR AS

Address of Applicant :Ulltang, N-6800, Förde, Norway

(72)Name of Inventor :

1)SUNDE Mindor

(57) Abstract :

Formwork column (1) comprising two flexible, thin-plate elements (2, 3) of mainly cylindrical shape and arranged mutually telescopically extendable with an outer element (2) and an inner element (3). Both thin-plate elements (2, 3) are provided with longitudinal, extending flanges (4, 5) provided with holes (6, 7) in a row in the longitudinal direction of the flanges, for closing of the formwork column (1) by means of locking plugs (8), while insertion of locking plugs (8) in adjacent holes (6, 7) also arrests the formwork length. The locking plugs (8) are tightened preferably by means of wedge shaped tightening members not requiring use of tools therefore.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2594/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : APPARATUS FOR FEEDING GRINDING BODIES TO A GRINDING MILL

(51) International classification :B02C17/18,B02C17/20,B02C23/02
(31) Priority Document No :20100146
(32) Priority Date :12/04/2010
(33) Name of priority country :Finland
(86) International Application No :PCT/FI2011/050310
Filing Date :11/04/2011
(87) International Publication No :WO 2011/128505
(61) Patent of Addition 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)FRANSAS, Simo

2)SUN BAE, Yong

3)REKOLAINEN, Ilkka

4)PYLVÄNEN, Johannes

5)JAAKMA, Kaur

6)STRANDVALL, Markus

7)POHJOLA, Pasi

8)SALOMÄKI, Ali

9)HYTTINEN, Jouni

(57) Abstract :

The employed feed element in a grinding body feed apparatus of a grinding mill (17) is the grinding bodies supply tank (1) proper, in which the grinding bodies are charged from a ball hopper or storage. In connection with the supply tank (1), there is provided a grinding bodies discharge element, by means of which the grinding bodies are conducted to a duct serving as a feed chute (18) and leading to the grinding mill (17), and via said duct, to the grinding mill proper. The opening and closing of the supply tank is carried out by external, opposing control elements that encircle the drum element (5) of the supply tank (1) in relation to its frame. By means of the feed device, it is possible to feed one ball at a time to the mill (17), in which case a correct number of balls can be supplied.

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

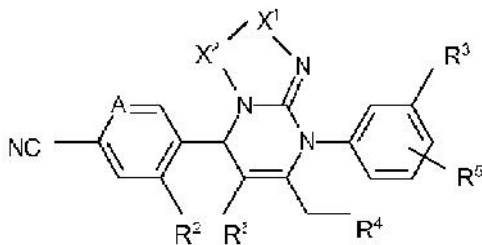
(54) Title of the invention : PYRIMIDINE DERIVATIVES AND THEIR USE IN THE TREATMENT OF RESPIRATORY DISEASES SUCH AS COPD

(51) International classification :C07D487/04,A61K31/519,A61P1/00
 (31) Priority Document No :1004179.6
 (32) Priority Date :12/03/2010
 (33) Name of priority country :U.K.
 (86) International Application No :PCT/GB2011/050478
 Filing Date :10/03/2011
 (87) International Publication No :WO 2011/110859
 (61) Patent of Addition 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)EDWARDS, Christine
2)KULAGOWSKI, Janusz
3)FINCH, Harry

(57) Abstract :

Compounds of formula (I) are inhibitors of neutrophil elastase wherein A is C R1 or N;- X1 X2 is CR15=N- or -NR19-CO ; and R1 R6, R15 and R16 are as defined in the claims.



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

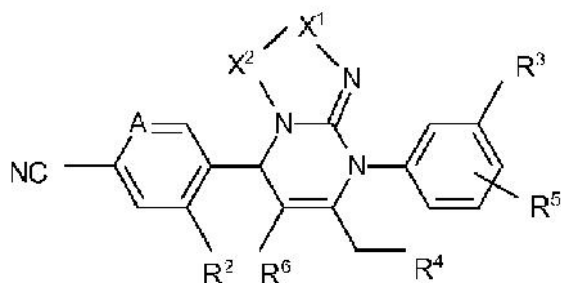
(54) Title of the invention : PYRIMIDINE DERIVATIVES AND THEIR USE IN THE TREATMENT OF RESPIRATORY DISEASES SUCH AS COPD

(51) International classification :C07D487/04,A61K31/519,A61P1/00
 (31) Priority Document No :1004178.8
 (32) Priority Date :12/03/2010
 (33) Name of priority country :U.K.
 (86) International Application No :PCT/GB2011/050477
 Filing Date :10/03/2011
 (87) International Publication No :WO 2011/110858
 (61) Patent of Addition 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)EDWARDS, Christine
2)KULAGOWSKI, Janusz
3)FINCH, Harry

(57) Abstract :

Compounds of formula (I) are inhibitors of neutrophil elastase wherein A is C-R1 or N;-X1- X2- is CR15=N- or -NR19 -CO ; and R1- R6, R15, R15 and R19 are as defined in the claims.



No. of Pages : 36 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2608/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : DRYING DEVICE AND DRYING METHOD

(51) International classification :F26B9/06,H01M4/04,H01M4/139

(31) Priority Document No :2010-32830

(32) Priority Date :17/02/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/050739

Filing Date :18/01/2011

(87) International Publication No :WO 2011/102169

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)NISSAN MOTOR CO., LTD.

Address of Applicant :2,Takara-cho,Kanagawa-ku Yokohama-shi,Kanagawa 221-0023,JAPAN

(72)Name of Inventor :

1)FUJIWARA Hiroki

(57) Abstract :

Disclosed is a drying apparatus, whereby a drying time of a coil electrode is shortened. The drying apparatus that dries the coil electrode wound on the winding core is provided with a heating section, which heats the coil electrode from the winding core side. Thus since heat can be transferred from the core section of the coil electrode toward the surface, a small space is generated between the electrodes, and water can be evaporated from the space. Therefore, the water that has been difficult to be evaporated, said water being on the core section side, can be reliably evaporated, and the drying time of the coil electrode can be shortened.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2610/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : METHOD FOR PRODUCING SEMICONDUCTOR GAS

(51) International classification :C07C17/361,C07C19/08,C07C51/58
(31) Priority Document No :2010-032525
(32) Priority Date :17/02/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/052702
Filing Date :09/02/2011
(87) International Publication No :WO 2011/102268
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)CENTRAL GLASS COMPANY, LIMITED
Address of Applicant :5253 Oaza Okiube,Ube-shi.,Yamaguchi
755-0001,JAPAN
(72)Name of Inventor :
1)TAKADA Naoto
2)IMURA Hideaki
3)OKAMOTO Masamune

(57) Abstract :

Disclosed is a method for producing monofluoro methane, which involves at least a pyrolysis step in which a 1-methoxy-1,1,2,2-tetrafluoro ethane is pyrolyzed by bringing same into contact with a catalyst, and a step for collecting monofluoro methane from the pyrolysis product. As a consequence, it is possible to efficiently and practically produce monofluoro methane that essentially does not contain halogens except fluorine.

No. of Pages : 53 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2600/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : SUBSTITUTED PYRIDAZINES HAVING HERBICIDAL ACTION

		(71)Name of Applicant : 1)BASF SE Address of Applicant :67056 Ludwigshafen GERMANY
		(72)Name of Inventor : 1)SONG, Dschun 2)MAJOR, Julia 3)HUTZLER, Johannes 4)NEWTON, Trevor William 5)WITSCHER, Matthias 6)MOBERG, William Karl 7)PARRA RAPADO, Liliana 8)QU, Tao 9)STELZER, Frank 10)KLOET, Andree van der 11)SEITZ, Thomas 12)EHRHARDT, Thomas 13)KREUZ, Klaus 14)GRO MANN, Klaus 15)MICHROWSKA-PIANOWSKA, Anna Aleksandra 16)SIMON, Anja 17)REINGRUBER, Rüdiger 18)KRAUS, Helmut 19)HÖFFKEN, Hans Wolfgang 20)MIETZNER, Thomas
(51) International classification	:C07D471/00,A01N43/90	
(31) Priority Document No	:61/316,396	
(32) Priority Date	:23/03/2010	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/EP2011/054403	
Filing Date	:23/03/2011	
(87) International Publication No	:WO 2011/117273	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Substituted pyridazines of the formula (I) in which the variables are defined according to the description, processes and intermediates for preparing the compounds of the formula (I) and their N-oxides, their agriculturally suitable salts, compositions comprising them and their use as herbicides, and also methods for controlling unwanted vegetation.

No. of Pages : 131 No. of Claims : 15

(54) Title of the invention : HIGH-STRENGTH ELECTRICAL-RESISTANCE-WELDED STEEL PIPE AND MANUFACTURING METHOD THEREFOR

(51) International classification:C22C38/06,C22C38/58,C21D8/02

(31) Priority Document No :2010-068499

(32) Priority Date :24/03/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/057928

Filing Date :23/03/2011

(87) International Publication No :WO 2011/118841

(61) 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 1000011 JAPAN

(72)Name of Inventor :

1)ARATANI, Masatoshi

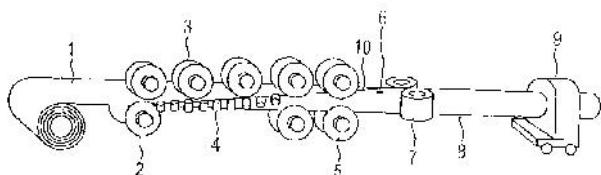
2)KAWABATA, Yoshikazu

3)MATSUOKA, Saiji

4)HIRATA, Norimasa

(57) Abstract :

The disclosed high-strength electrical-resistance welded steel pipe is suitable for use as an automobile shock-absorbing member. Said steel pipe contains, by mass, between 0.05% and 0.20% carbon, between 0.5% and 2.0% silicon, between 1.0% and 3.0% manganese, at most 0.1% phosphorus, at most 0.01% sulfur between 0.01% and 0.1% aluminum, and at most 0.005% nitrogen, with the remainder comprising iron and unavoidable impurities. Said steel pipe has a two-phase structure comprising a ferrite phase and a martensite phase, with the volume fraction of the martensite phase between 20% and 60%. The disclosed steel pipe has a tensile strength (TS) of at least 1,180 MPa, an axial elongation (El) of at least 10%, and a yield ratio of less than 90%. After a coating baking process in which the steel pipe is prestressed by 2% and then heat treated at 170°C for 10 minutes, the amount of strength increase (BH amount) is at least 100 MPa and the yield ratio increases to at least 90%.



No. of Pages : 52 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2602/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : BALLOON ENDOSCOPE AND METHODS OF MANUFACTURE AND USE THEREOF

(51) International classification :A61B1/012

(31) Priority Document No :61/282,623

(32) Priority Date :09/03/2010

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/IL2011/000222

Filing Date :09/03/2011

(87) International Publication No :WO 2011/111040

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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ISRAEL

(72)Name of Inventor :

1)TERLIUC, Gad

2)LURIA, Gilad

(57) Abstract :

A balloon endoscope including an endoscope body having a selectably pressurizable interior volume which generally fills the interior of the endoscope body and a selectably inflatable balloon located on an outer surface of the endoscope body and defining a balloon volume which communicates with the interior volume for selectable inflation of the balloon by selectable pressurization of the interior volume.

No. of Pages : 75 No. of Claims : 77

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2603/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 07/06/2013

(54) Title of the invention : NOVEL METHODS FOR TARGETING CANCER STEM CELLS

(51) International classification	:A01N43/16,A61K31/35	(71)Name of Applicant :
(31) Priority Document No	:61/315,890	1)BOSTON BIOMEDICAL, INC.
(32) Priority Date	:19/03/2010	Address of Applicant :333 Providence Highway Norwood,
(33) Name of priority country	:U.S.A.	MA 02062 UNITED STATES OF AMERICA
(86) International Application No	:PCT/US2011/029283	(72)Name of Inventor :
Filing Date	:21/03/2011	1)LI, Chiang, Jia
(87) International Publication No	:WO 2011/116399	2)LEGGETT, David
(61) Patent of Addition to Application Number	:NA	3)LI, Youzhi
Filing Date	:NA	4)LI, Wei
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention provides naphthofuran compounds polymorphs of naphthofuran compounds, naphthofuran compounds in particle form, purified compositions that contain one or more naphthofuran compounds, purified compositions that contain one or more naphthofuran compounds in particle form, methods of producing these naphthofuran compounds, polymorphs, purified compositions and/or particle forms, and methods of using these naphthofuran compounds, polymorphs, purified compositions and/or particle forms to treat subjects in need thereof.

No. of Pages : 134 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2607/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : COMPANY NETWORK

(51) International classification	:G06F17/30
(31) Priority Document No	:2010 0399
(32) Priority Date	:18/03/2010
(33) Name of priority country	:Norway
(86) International Application No	:PCT/NO2011/000093
Filing Date	:18/03/2011
(87) International Publication No	:WO 2011/115507
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)COMPANYBOOK AS
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(72)**Name of Inventor :**
1)JELLUM Harald

(57) Abstract :

Method and arrangement for Connecting Business using a database and search & matching technology for aiding companies in finding and maintaining relationships with customers, partners and other contacts so as to improve efficiency. This is performed by continuously searching the web sites including company web sites, official registers, financial registers, news, blogs, social networks and feedback from users. This is filtered and matched through advanced search and matching technology and published in a social media with corresponding communication, information sharing and marketing services.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2613/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : MULTIFUNCTIONAL SILICA-BASED COMPOSITIONS AND GELS, METHODS OF MAKING THEM, AND METHODS OF USING THEM

(51) International classification :A01N25/08,A01N25/12,A01N59/00
(31) Priority Document No :61/319,037
(32) Priority Date :30/03/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/030305
Filing Date :29/03/2011
(87) International Publication No :WO 2011/126832
(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)SANTRA,Swadeshmukul

(57) Abstract :

Briefly described, embodiments of this disclosure, among others, include compositions, gels, methods for synthesizing multifunctional silica based nanoparticle gel, method of treating, preventing, or both treating and preventing, a disease in a plant species, method for simultaneously treating citrus plants for citrus canker and preventing the invasion of an Asian Citrus Psyllid (ACP) vector that carries the pathogen and spreads the citrus greening disease in citrus plants, and the like.

No. of Pages : 31 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2615/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : SURGICAL RETRACTOR

(51) International classification :A61B17/02,A61B17/00
(31) Priority Document No :2010-051077
(32) Priority Date :08/03/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/055376
Filing Date :08/03/2011
(87) International Publication No :WO 2011/111703
(61) Patent of Addition 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)HAMAGUCHI,Takeyuki

(57) Abstract :

A retractor (90) inserted into a human body for surgery. The retractor body (91) of the retractor (90) is formed by compressing and shaping a water-absorbing dilatant material so that expansion stress in the direction opposite the direction of the compression remains therein and so that the value of the residual expansion stress varies from portion to portion. Weld sections (92) consisting of a thermoplastic resin are provided to the surfaces (side surfaces (91b, 91d)) facing the direction in which the residual expansion stress is acting. When supplied with water, the retractor body (91) swells large at the center portion (C) thereof at which the expansion stress is high and the retractor body (91) swells small at both the end portions (E) thereof at which the expansion stress is low. The weld sections (92) do not extend and this controls the shape of the retractor (90) so that after swelling, the retractor has a curved shape.

No. of Pages : 51 No. of Claims : 5

(54) Title of the invention : VERTICAL SHAFT FURNACE, FERRO-COKE PRODUCTION FACILITY, AND METHOD FOR PRODUCING FERRO-COKE

(51) International classification:C10B3/00,C10B53/08,C10B57/04

(31) Priority Document No :2010-074481

(32) Priority Date :29/03/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/057559
Filing Date :28/03/2011

(87) International Publication No :WO 2011/122535

(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)ANYASHIKI Takashi

2)SATO Takeshi

3)FUJIMOTO,Hidekazu

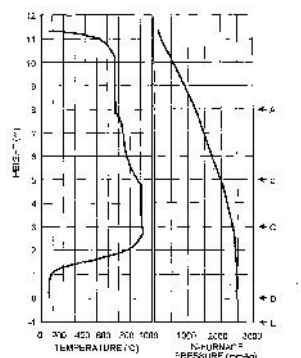
4)SUMI,Hiroyuki

5)SATO,Hideaki

6)SEKIGUCHI,Takeshi

(57) Abstract :

Provided is a vertical shaft furnace with which the equipment is simplified and the operating conditions are not complicated. A vertical shaft furnace (1) continuously produces a target product by incineration, gasification, and dry distillation or reduction of charging materials charged from the furnace top. Tuyeres (11) and (13) for blasting high temperature gas are disposed in two steps in the direction of furnace length in order to form a high temperature soaking zone of a predetermined length below the center position in the direction of furnace length.



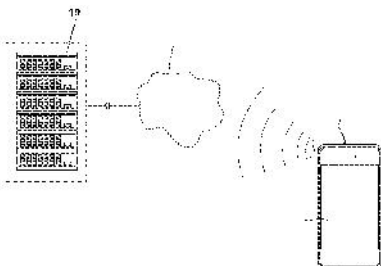
No. of Pages : 35 No. of Claims : 10

(54) Title of the invention : METHOD OF DISPLAYING AND TRANSACTING ELECTRONIC TRADING CARDS

(51) International classification	:G06Q30/00,G06Q50/00	(71)Name of Applicant :
(31) Priority Document No	:61/304,550	1)CLARK,Roy
(32) Priority Date	:15/02/2010	Address of Applicant :6870 Camino Del Rey Dr. NE
(33) Name of priority country	:U.S.A.	Rockford,Michigan 49341 UNITED STATES OF AMERICA
(86) International Application No	:PCT/US2011/024944	(72)Name of Inventor :
Filing Date	:15/02/2011	1)CLARK,Roy
(87) International Publication No	:WO 2011/100766	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method of displaying, buying, and trading electronic trading cards on a computer or handheld electronic device by running an electronic trading card application on the computer or handheld device that communicates via the internet with at least one remote server containing a registry of all electronic trading cards. The electronic trading card application running on the computer or handheld device transmits a transaction request to the at least one remote server to execute a purchase or trade between two users of one or more electronic trading cards. The electronic trading card application further displays various components of an electronic trading card based upon user inputs.



No. of Pages : 26 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2618/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : IMITATION WOOD

(51) International classification :C08L27/06,C08L97/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2010/001064
Filing Date :19/02/2010
(87) International Publication No :WO 2011/100995
(61) Patent of Addition 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 :Room 602,Taurus Building 21A/B,
Granville Road China
(72)Name of Inventor :
1)DUNA,Bernhard
2)SIU PAK TAK,Antonio

(57) Abstract :

The invention relates to a composition for producing an imitation wood, said composition containing a mixture of 30-40 wt % PVC resin and 30-40 wt % rice-husk or peanut-shell powder having a particle size of 0.42-0.25 mm (40-60 mesh). The invention further relates to an imitation wood produced by extruding a composition according to the invention. The imitation wood according to the invention has an appearance and feel that are very similar to wood and can be processed using conventional wood tools. The imitation wood can be painted and adhesively bonded without problems and is suitable for outdoor applications, in particular in humid or wet environments, because of the very high weathering resistance thereof.

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

(54) Title of the invention : METHOD FOR CONTROLLING AND/OR REGULATING A METERING PUMP

(51) International classification :F04B49/02,F04B49/06,H02P6/00

(31) Priority Document No :10 2010 003 218.2

(32) Priority Date :24/03/2010

(33) Name of priority country :Germany

(86) International Application No :PCT/EP2011/054264

Filing Date :21/03/2011

(87) International Publication No :WO 2011/117199

(61) Patent of Addition 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)FREUDENBERGER Thomas**2)DREXLMEIER,Yves**

(57) Abstract :

The present invention relates to a method for controlling and/or regulating a metering pump having a drive motor having a shaft driven by the motor, and a displacement member disposed in a metering head, wherein the rotary motion of the shaft is converted into an oscillating motion of the displacement member, wherein the displacement member interacts with an outlet and inlet valve, leading to a pump stroke (pressure stroke) and an intake stroke and thus to delivering a metered medium. In order to disclose a method for controlling and/or regulating a metering pump operating principally without a position sensor on the pushrod, and that can highly precisely determine the metering behavior of the pump, according to the invention at least one motor operating parameter, preferably a motor voltage U or a motor current I, is measured, at least one control parameter is calculated from the measured motor operating parameters and optionally further known motor characteristics are calculated, the at least one control parameter is compared to a predetermined guide parameter, and a comparison signal depending on the result of the comparison is output and can be used as a status, actuating, and/or regulating signal.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2620/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : TRANSPORTABLE ROLLER MILL AND TRANSPORTABLE GRINDING INSTALLATION

(51) International classification :B02C15/00,B02C15/02,B02C15/04
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2010/007070
Filing Date :22/11/2010
(87) International Publication No :WO 2011/160665
(61) Patent of Addition 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)AUTHENRIETH Matthias
2)BARCZUS Christian
3)BETTENWORTH Joerg
4)HENDY Nigel
5)KULAGIN Wilhelm
6)WULFERT Holger

(57) Abstract :

The invention relates to a transportable roller mill for comminuting solids, having a mill housing (3), a grinding pan (4), two grinding rollers (5), two rocker-lever units (6), a grinding-pan drive (7) and a gear mechanism for the grinding pan (4). It is also provided that the roller mill, for transporting and operating purposes, is arranged in a container. The rocker-lever units (6) are articulated on the mill housing (3) in each case and supports (11) extend from the regions of articulation of the rocker-lever units (6) to the base of the container. Vibration dampers (13) are provided between the container base and the supports (11). The invention also relates to a grinding installation.

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

(54) Title of the invention : FITTING-TYPE ROOFING MATERIAL, CLEAT, AND FITTING-TYPE ROOFING STRUCTURE

(51) International classification :E04D3/362,E04D3/36,E04D3/363

(31) Priority Document No :2010-090019

(32) Priority Date :09/04/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/059322

Filing Date :08/04/2011

(87) International Publication No :WO 2011/126147

(61) Patent of Addition 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)KUDOH Norio**2)NAGAKI Daizo**

(57) Abstract :

Provided is a roofing material such that during construction, the back surface of the roofing material is not susceptible to damage and heat insulation material does not peel away from the back surface. The fitted roofing material is obtained by bending a scooping-side fitting element and a capping side fitting element along both edges of a rectangular main plate section of the roofing material in the widthwise direction. Therein, the capping-side fitting element is configured by interconnecting a capping-side upward-sloping section, which is formed at a position extending from the main plate section, a substantially horizontal capping-side central recessed section, which is formed at a position extending from the capping-side upward-sloping section, and a capping-side first protruding section and a capping-side second protruding section, which are positioned on both sides of the capping-side central recessed section so as to sandwich the capping-side central recessed section therebetween. The first protruding section comprises a capping-side first fitting-cog section, which is formed at a position extending from the capping-side upward-sloping section, a capping-side first top part, which extends substantially horizontally at a position extending from the capping-side first fitting-cog section, a capping-side first downward-sloping part, which is bent from the end of the capping-side first top part, and a capping-side first inclined part, which is formed at the edge of the capping-side first downward-sloping part. The capping-side first downward-sloping part of the first protruding section is inclined slightly from the vertical so as to slope downwards towards the central recessed section.

No. of Pages : 59 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2623/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : GUIDE PLATE FOR LATERALLY GUIDING A RAIL, AND SYSTEM FOR FASTENING A RAIL TO A BASE

(51) International classification	:E01B9/30
(31) Priority Document No	:10162422.9
(32) Priority Date	:10/05/2010
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2011/057023
Filing Date	:03/05/2011
(87) International Publication No	:WO 2011/141327
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :
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2)WIRTHWEIN GMBH & CO. KG
(72)Name of Inventor :
1)RENNECKENDORF,Volker
2)DÖRFLER,Thomas

(57) Abstract :

The invention relates to a guide plate for laterally guiding a rail (S) for rail vehicles which is to be secured on a foundation (2) by means of a spring element (13), the guide plate comprising an end face against which the rail (S) is supported in the assembled position and an insulating element (19) that can be placed on the foot (F) of the rail to be secured, said spring element (13) acting on the foot (F) of the rail (S) via said insulating element in the assembled position. According to a system that comprises such a guide plate (3) for securing a rail, the insulating element (19) is pivotably mounted on the guide plate (3).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2624/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : METHOD AND DEVICE FOR ASSEMBLING A TRANSFORMER

(51) International classification :H01F27/06,H01F41/10,H01F41/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2010/002129
Filing Date :29/03/2010
(87) International Publication No :WO 2011/120543
(61) Patent of Addition 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)GRAD,Josef
2)MÜLLER,Klaus
3)SCHLAGER,Johann

(57) Abstract :

The invention relates to a method and a device (1) for assembling a transformer (10). A transformer core (6) of the transformer can be arranged in a receiving portion (3) and a coil (5) lies around the transformer core. According to the invention, a device is provided for assembling a transformer, wherein the receiving portion can be arranged within a lifting platform (2) that has lifting platform adjusting elements (7), said adjusting elements being movable relative to each other.

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

(21) Application No.2625/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/09/2012

(43) Publication Date : 07/06/2013

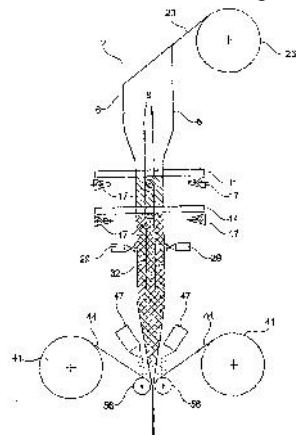
(54) Title of the invention : HIGHLY FLEXIBLE ABSORBENT LAMINATE AND METHOD FOR THE PRODUCTION THEREOF

(51) International classification	:A61F13/15,A61F13/532,A61F13/539
(31) Priority Document No	:10 2010 013 288.8
(32) Priority Date	:29/03/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/DE2011/000339
Filing Date	:27/03/2011
(87) International Publication No	:WO 2011/120504
(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)FENSKE,Wilfried

(57) Abstract :

The invention relates to a method for the continuous production of a flexible liquid-absorbing web material having two outer layers, at least one of which is formed by a textile material, between which are inserted at least two stretchable-elastic intermediate layers that are pre stressed with respect to said layers and comprise filaments or bands arranged running in opposite directions to each other and obliquely with respect to the production direction. The intermediate layers shorten and gather the web material substantially transversely to the production direction thereof when the intermediate layers are relieved of stress. Powder-form or fibre form inserts, which have absorbent properties for liquids, such as urine, blood, water or sweat, or resorbing properties, such as release of medicinal substances, cosmetic ingredients or for generating heat/cold, are introduced into the free spaces of the elastic intermediate layer.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2626/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : HIGHLY FLEXIBLE ABSORBENT LAMINATE AND METHOD FOR PRODUCING SAME

(51) International classification	:D04H 13/00
(31) Priority Document No	:10 2010 013 288.8
(32) Priority Date	:29/03/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/DE2011/000338
Filing Date	:28/03/2011
(87) International Publication No	:WO 2011/141009
(61) Patent of Addition 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)FENSKE,Wilfried

(57) Abstract :

The invention relates to a laminate and method for continuously producing a flexible, liquid-absorbent laminate having two outer material webs, of which at least one is formed from a textile material, between which are inserted at least two stretchable-elastic intermediate layers that are pre-stressed with respect to said layers and comprise threads or bands running in opposite directions to each other and at an angle to the production direction. The intermediate layers shorten and gather the web material substantially transversely to the production direction thereof when the intermediate layers are relieved of stress. Powdery or fiber-shaped inclusions, which have absorbent properties for liquids, such as urine, blood, water or sweat, or resorbing properties, such as the release of medicinal substances, cosmetic ingredients, or the generation of heat/cold are introduced into the free spaces of the elastic intermediate layer.

No. of Pages : 32 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2631/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : ZONE SWITCHING METHOD IN A BROADBAND WIRELESS ACCESS SYSTEM HAVING REGARD TO SECURITY ASSOCIATION AND DEVICE FOR SAME

(51) International classification :H04W36/14,H04W12/00,H04B7/26
(31) Priority Document No :61/313,637
(32) Priority Date :12/03/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2011/001766
Filing Date :14/03/2011
(87) International Publication No :WO 2011/112058
(61) Patent of Addition 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)JUNG, In Uk
2)RYU, Ki Seon

(57) Abstract :

The present invention relates to a wireless access system, and more particularly, to a method for supporting security during a handover performance through a zone switch and to a device performing same. According to one embodiment of the present invention, switching a zone by a terminal in a broadband wireless access system comprises the following steps: creating at least one service flow in a first zone that supports the legacy mode of a base station; receiving at the base station a first message, which indicates a zone switch to a second zone that supports an advanced mode; and performing the zone switch, wherein performing the zone switch may further comprise a step for receiving from the second zone a second message, which includes security association information that indicates the security association applied to at least one service flow in the second zone.

No. of Pages : 46 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2633/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : SURFACE DETECTION METHOD FOR STEEL PLATE HAVING RESIN COATING FILM AND SURFACE DETECTION DEVICE FOR SAME

(51) International classification	:G01N21/892
(31) Priority Document No	:2010-076939
(32) Priority Date	:30/03/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/054266
Filing Date	:25/02/2011
(87) International Publication No	:WO 2011/122185
(61) Patent of Addition 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)KAZAMA, Akira

2)TANAKA, Kaoru

3)SAKAI, Jun

(57) Abstract :

The disclosed surface detection method for a steel plate having a resin coating film comprises: a step wherein sheet shaped light which has been linearly polarised at a specified polarisation angle is irradiated on a steel plate at an incidence angle which differs from the Brewsters angle of a coating film by at least a specified angle; and a step wherein linearly polarised light having a polarisation angle of 0 degrees is imaged at a light receiving angle which is staggered by a specified angle relative to the specular reflection angle of the incident light. Thus the surface of a steel plate can be accurately detected without observing abnormalities on the coating film itself, and without the need to alter the light receiving angle and the incidence angle depending on resin components.

No. of Pages : 22 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2634/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : BORON-CONTAINING SMALL MOLECULES AS ANTI-PROTOZOAL AGENT

(51) International classification :A61K31/69,C07F5/02,A61P33/02

(31) Priority Document No :61/315,806

(32) Priority Date :19/03/2010

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/029088

Filing Date :18/03/2011

(87) International Publication No :WO 2011/116348

(61) Patent of Addition 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)JACOBS, Robert, T.

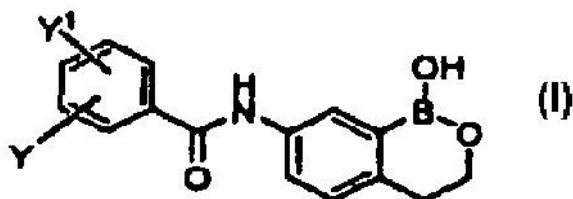
2)CHEN, Daitao

3)ORR, Matthew

4)PLATTNER, Jacob, J.

(57) Abstract :

This invention provides, among other things novel compounds useful for treating protozoal infections, pharmaceutical compositions containing such compounds, as well as combinations of these compounds with at least one additional therapeutically effective agent. The compounds are of the formula, wherein Y is a halogen, Y is halosubstituted alkyl, or a salt thereof.



No. of Pages : 121 No. of Claims : 19

(54) Title of the invention : THERMOGELLING ANAESTHETIC COMPOSITIONS

(51) International classification :A61K47/34,A61K47/44,A61K9/00
 (31) Priority Document No :1050321-7
 (32) Priority Date :01/04/2010
 (33) Name of priority country :Sweden
 (86) International Application No :PCT/EP2011/055009
 Filing Date :31/03/2011
 (87) International Publication No :WO 2011/121074
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

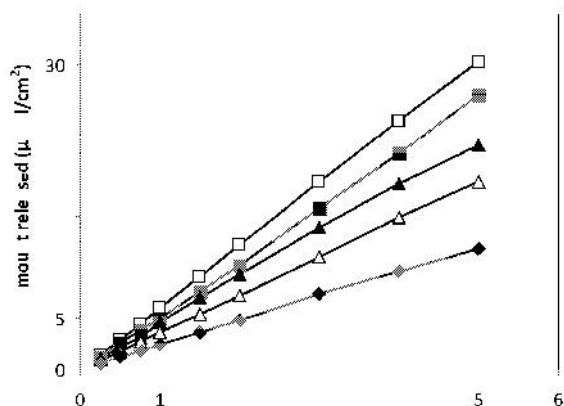
1)PHARMANEST ABAddress of Applicant :Karolinska Institutet Science Park,
Nobels väg 3, S-171 65 Solna Sweden

(72)Name of Inventor :

1)SUNDBERG, Mark**2)BRODIN, Arne****3)KÅLLBERG, Nils**

(57) Abstract :

The present invention relates to a thermogelling pharmaceutical composition comprising local anaesthetics in base form and which is suitable for topical administration. The compositions further comprise a polyoxyethylene castor oil and one or more surfactants to obtain thermogelling characteristics.



No. of Pages : 23 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2636/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : GRID REGULATION SERVICES FOR ENERGY STORAGE DEVICES BASED ON GRID FREQUENCY

(51) International classification :H02J7/00,B60L11/18,B60W10/24

(31) Priority Document No :12/755,260

(32) Priority Date :06/04/2010

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/031237

Filing Date :05/04/2011

(87) International Publication No :WO 2011/127047

(61) Patent of Addition 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)PRATT, Richard, M.

2)HAMMERSTROM, Donald, J.

3)KINTNER-MEYER, Michael, C.W.

4)TUFFNER, Francis, K.

(57) Abstract :

Disclosed herein are representative embodiments of methods apparatus and systems for charging and discharging an energy storage device connected to an electrical power distribution system. In one exemplary embodiment, a controller monitors electrical characteristics of an electrical power distribution system and provides an output to a bi-directional charger causing the charger to charge or discharge an energy storage device (e.g., a battery in a plug-in hybrid electric vehicle (PHEV)). The controller can help stabilize the electrical power distribution system by increasing the charging rate when there is excess power in the electrical power distribution system (e.g., when the frequency of an AC power grid exceeds an average value), or by discharging power from the energy storage device to stabilize the grid when there is a shortage of power in the electrical power distribution system (e.g., when the frequency of an AC power grid is below an average value).

No. of Pages : 78 No. of Claims : 50

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2637/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : METHOD FOR THE REPRESENTATION OF A PROGRAMMABLE SEQUENCE FOR ONE OR MORE MACHINES WITH A CYCLICALLY RECURRING MACHINE OPERATING SEQUENCE

(51) International classification	:G05B19/409
(31) Priority Document No	:10 2010 018 475.6
(32) Priority Date	:28/04/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/056332
Filing Date	:20/04/2011
(87) International Publication No	:WO 2011/134863
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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SWITZERLAND
(72)**Name of Inventor :**
1)MÜLLER Daniel
2)KNOBEL Erich

(57) Abstract :

The invention relates to a method for displaying, on a screen, the programmable sequence for one or more machines that follow a cyclic sequence of operations. In said method, a sequence is programmed or modified using commands, production parameters are preset, actual values for the machine components are determined throughout the cycle, and the sequence including the individual process steps and the dependencies thereof are displayed on the screen. According to the invention, a time correlation between the individual steps of the process is generated from a fully programmed sequence or partial sequence, taking into account the preset production parameters and the actual values for the machine components, and is displayed on the screen.

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

(54) Title of the invention : MODULARLY DESIGNED PRESSURE CONTROL DEVICE OF A FLUID PRESSURE BRAKE SYSTEM OF A VEHICLE

(51) International classification :B60T8/34,B60T8/36,B60T13/68
 (31) Priority Document No :10 2010 010 606.2
 (32) Priority Date :08/03/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/EP2011/053141
 Filing Date :08/03/2011
 (87) International Publication No:WO 2011/110459
 (61) Patent of Addition 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)RÖTHER Friedbert
2)MUSTAPHA Adnan
3)WIEDER Gerhard
4)BRENNER Dirk

(57) Abstract :

The invention relates to a pressure control device (1) for a pneumatic brake system of a vehicle for the at least brake slip-dependent control of brake pressures in the brake cylinders (3, 4) of each individual wheel of an axle. According to the invention a) the device comprises a single relay valve (5) having a supply connection (6) that is supplied by a supply pressure (p11), a venting connection (7) connected to a pressure sink, a control connection (8) and at least two working connections (9, 10), wherein the one working connection (9) is assigned to at least one brake cylinder (3) of a wheel of a vehicle side of the axle and the other working connection (10) of the relay valve (5) is assigned to at least one brake cylinder (4) of a wheel of the other vehicle side of the axle, b) each working connection (9, 10) of the relay valve (5) is connected to a 2/2 way valve (11, 12) which is directly or indirectly controlled by a control unit and assigned to a respective vehicle side and which either establishes a connection between the relevant working connection (9, 10) of the relay valve and the assigned brake cylinder (3, 4) or blocks said connection, depending on the actuation by the control unit, c) the control connection (8) of the relay valve (5) can be connected either to a brake control pressure (p4) formed depending on a driver's braking input, to a supply pressure (p11) of a pressure reservoir or to a pressure sink (14; 23) by means of a valve system which is formed by one 3/2 way solenoid valve (13) or by two 2/2 way solenoid valves (21, 22) and controlled by means of the control unit.

No. of Pages : 34 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :13/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : METHOD OF EFFICIENTLY ESTABLISHING INDUCED PLURIPOTENT STEM CELLS

(51) International classification :C12N5/0735
(31) Priority Document No :61/305,107
(32) Priority Date :16/02/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/JP2011/053874
Filing Date :16/02/2011
(87) International Publication No :WO 2011/102531
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)JAPAN BIOLOGICAL INFORMATICS CONSORTIUM
(72)Name of Inventor :
1)YAMANAKA, Shinya
2)GOSHIMA, Naoki
3)MAEKAWA, Momoko
4)KAWAMURA, Yoshifumi
5)MOCHIZUKI, Hiromi

(57) Abstract :

Provided are a method of improving the efficiency of establishment of iPS cells, comprising the step of contacting one or more substances selected from the group consisting of members of the GLIS family (e.g., GLIS1) and nucleic acids that encode the same and one or more substances selected from the group consisting of members of the Klf family and nucleic acids that encode the same, with a somatic cell, an iPS cell comprising an exogenous nucleic acid that encodes a member of the GLIS family or a member of the Klf family, that can be obtained by the method, and a method of producing a somatic cell by inducing the differentiation of the iPS cell.

No. of Pages : 103 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2640/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : TEST DEVICE FOR PERFORMING LEAK DETECTION AT A PLURALITY OF TEST SITES

(51) International classification :G01M3/20,G01M3/38
(31) Priority Document No :12/757,651
(32) Priority Date :09/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2011/055346
Filing Date :06/04/2011
(87) International Publication No :WO 2011/124607
(61) Patent of Addition 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 :Hintergasse 15B CH-7310 Bad Ragaz,
SWITZERLAND
(72)Name of Inventor :
1)SCHWARTZ, Vladimir
2)CHERNOBROD, Boris

(57) Abstract :

The leak detection device comprises a plurality of measuring cells (10) in whose interior the absorption of a laser beam (17) is influenced by the presence of tracer gas. All of said measuring cells (10) are connected to a host unit (25) via light conducting fibers (28, 34). In the host unit (25), a laser (26) designed for modulation and a photodetector (37) are arranged. Modulation of the laser radiation is preferably performed by two-tone frequency modulation. This has the effect that the fiber length cannot significantly skew the result of the measurement.

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

(54) Title of the invention : DEVICE USING X-RAYS TO HIGHLIGHT SOFT-TISSUE PARTS IN MEDICAL RADIOTHERAPY

(51) International classification :A61N5/10
 (31) Priority Document No :10 2010 015 224.2
 (32) Priority Date :16/04/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/EP2011/054392
 Filing Date :23/03/2011
 (87) International Publication No :WO 2011/128189
 (61) 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

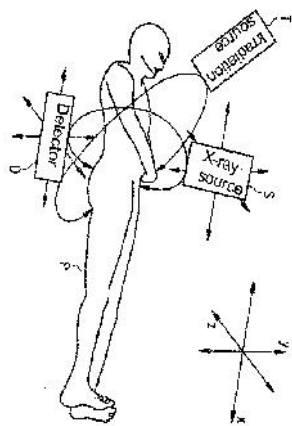
Address of Applicant :Wittelsbacherplatz 2, 80333 München, GERMANY

(72)Name of Inventor :

1)HEID, Oliver**2)HELLER, Jürgen**

(57) Abstract :

The invention relates to a device using X-rays to highlight soft-tissue parts in medical imaging. This device and an associated method can be implemented in particular in radiotherapy equipment or used in radiotherapy. One aspect of the invention is a control of the radiation dose needed for the therapy, which control involves phase-contrast imaging using X-rays to highlight soft tissue parts and can preferably be used in a radiotherapy apparatus. The result of the imaging by highlighting soft-tissue parts can be used for real-time and non-real-time planning of therapy and for adapting the treatment plan or the radiation dose. The radiation dose control here comprises: c) anatomical imaging for locating tumours before, during and after irradiation, d) optionally: real-time adaptation of the treatment plan, on the basis of imaging that highlights soft-tissue parts. The positioning and arrangement of the combination of X-ray sources S and detector D in such a radiotherapy apparatus and of an accelerator T are independent of one another. The accelerator makes it possible to cover the entire body of the patient P with X-rays.



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

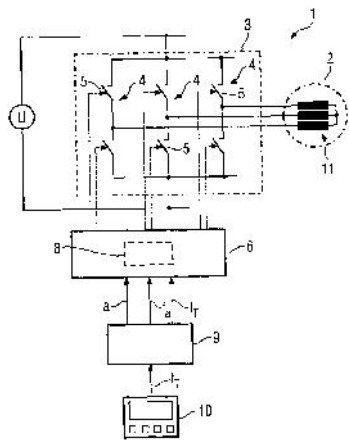
(54) Title of the invention : METHOD FOR OPERATING A SHIP DRIVE MOTOR FED BY AT LEAST ONE PULSE WIDTH MODULATED INVERTER, AND SHIP DRIVE SYSTEM

(51) International classification :B63H21/17,B63H23/24,B63G7/08
 (31) Priority Document No :10 2010 012 713.2
 (32) Priority Date :25/03/2010
 (33) Name of priority country :Germany
 (86) International Application No :PCT/EP2011/054412
 Filing Date :23/03/2011
 (87) International Publication No :WO 2011/117278
 (61) Patent of Addition 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)ECKERT, Jürgen
2)SCHOLZ, Dieter

(57) Abstract :

The invention relates to a method for operating a ship drive motor (2) fed by at least one pulse width modulated inverter (3), wherein circuit elements (5) of the pulse inverter (3) are switched at a changeable switching frequency, wherein according to the invention the switching frequency is controlled manually by the operating personnel of the ship independently of the operating state of the ship drive motor (2) and the pulse inverter (3), in order to change an acoustic noise spectrum of the ship. The operating personnel of the ship can thereby selectively set a noise spectrum of the ship adapted to the requirements and conditions present at a particular time for operating the ship.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2643/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : FILTER AND FILTER MEDIA HAVING REDUCED RESTRICTION

(51) International classification	:B01D53/00
(31) Priority Document No	:61/380,407
(32) Priority Date	:07/09/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/050528
Filing Date	:06/09/2011
(87) International Publication No	:WO 2012/033748
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)CUMMINS FILTRATION IP, INC.

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(72)Name of Inventor :

1)HOLZMANN Mark V.

2)JANAKIRAMAN Arun

3)KENDALL Orvin D.

4)SCHWARTZ Scott W.

5)JANIKOWSKI Eric A.

6)CONNOR Michael J.

7)BADEAU Kurt M. A.

8)SCHUKAR Murray R.

(57) Abstract :

A pleated filter media comprises a plurality of pleats comprised of pleat segments extending in an axial direction between first and second axial ends and extending in a transverse direction that is perpendicular to the axial direction between first and second sets of pleat tips at least partially defined by first and second sets of bend lines. Axial flow channels are defined between the pleat segments in the lateral direction and the plurality of pleats has a width in the transverse direction that varies along the axial direction.

No. of Pages : 41 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2647/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : SEMICONDUCTING POLYMERS

(51) International classification :C07D295/04,C08G61/12,C09K11/06
(31) Priority Document No :10001528.8
(32) Priority Date :15/02/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2010/007887
Filing Date :22/12/2010
(87) International Publication No :WO 2011/098113
(61) Patent of Addition 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)MITCHELL, William
2)TIERNEY, Steven
3)WANG, Changsheng
4)BLOUIN, Nicolas

(57) Abstract :

The invention relates to novel polymers containg repeating units based on benzodithiophene or derivatives thereof, monomers and methods for their preparation, their use as semiconductors in organic electronic (OE) devices, especially in organic photovoltaic (OPV) devices, and to OE and OPV devices comprising these polymers.

No. of Pages : 63 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2648/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : AIR DRYER CARTRIDGE AND METHOD FOR OPERATING AN AIR DRYER CARTRIDGE

(51) International classification	:B60T17/00,B01D53/26	(71)Name of Applicant :
(31) Priority Document No	:10 2010 010 882.0	1)KNORR-BREMSE SYSTEME FÜR NUTZFAHRZEUGE
(32) Priority Date	:10/03/2010	GMBH
(33) Name of priority country	:Germany	Address of Applicant :Moosacher Str. 80, 80809 München,
(86) International Application No	:PCT/EP2011/053140	GERMANY
Filing Date	:03/03/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2011/110458	1)HILBERER Eduard
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to an air dryer cartridge (14) for a compressed air supply system (10), in particular a compressed air supply system (10) of a commercial vehicle, with a drying agent box (26) which is filled with a drying agent, where in the drying agent box (26) can be coupled in an axial direction (54) to a connecting flange (56) of the compressed air supply system (10). According to the invention a seal (22) which is designed as a nonreturn valve and in the fitted state of the air dryer cartridge (14), acts in a sealing manner between the drying agent box (26) and the connecting flange (56) is arranged on the drying agent box (26). The invention furthermore relates to a method for operating an air dryer cartridge (14) on a compressed air supply system (10).

No. of Pages : 19 No. of Claims : 7

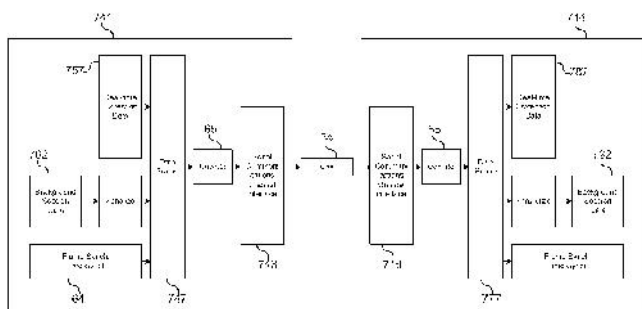
(54) Title of the invention : APPARATUS, SYSTEM, AND METHOD FOR CREATING ONE OR MORE SLOW-SPEED COMMUNICATIONS CHANNELS UTILIZING A REAL-TIME COMMUNICATION CHANNEL

(51) International classification :H04L27/00
 (31) Priority Document No :12/763,090
 (32) Priority Date :19/04/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/029438
 Filing Date :22/03/2011
 (87) International Publication No :WO 2011/133279
 (61) Patent of Addition 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)LEE, Tony, J.
2)KASZTENNY, Bogdan, Z.
3)ANDERSON, Luther, S.

(57) Abstract :

An intelligent electronic device creates one or more virtual communications channels using unused or dedicated bits from a primary real-time communications channel. The virtual communications channels are used to transport low-speed information, such as executable commands, or automatic functions not requiring high bandwidth.



No. of Pages : 33 No. of Claims : 7

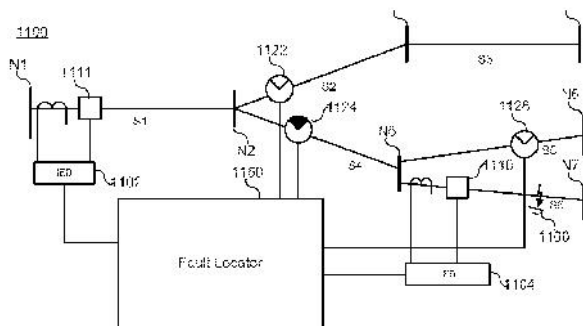
(54) Title of the invention : FAULT LOCATION IN ELECTRIC POWER DELIVERY SYSTEMS

(51) International classification :G01R31/00
 (31) Priority Document No :12/764,342
 (32) Priority Date :21/04/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/029443
 Filing Date :22/03/2011
 (87) International Publication No :WO 2011/133280
 (61) Patent of Addition 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)GONG, Yanfeng
2)GUZMAN-CASILLAS, Armando

(57) Abstract :

Accurately calculating location of a fault even on a branched, non-homogenous, radial electric power distribution system. The calculation includes determining a calculated reactance or impedance to the fault, and uses the line parameters to determine locations on the system that match the calculated reactance to the fault. The calculation may further include a determination of faulted phase and eliminate fault location possibilities based on absence of the faulted phase at those locations. The calculation may further use data reported from line monitors such as faulted circuit indicators (FCIs).



No. of Pages : 52 No. of Claims : 49

(54) Title of the invention : HIGH-STRENGTH GALVANIZED STEEL SHEET HAVING EXCELLENT FORMABILITY AND METHOD FOR MANUFACTURING THE SAME

(51) International classification:C22C38/38,C22C38/58,C21D8/02

(31) Priority Document No :2010-098740

(32) Priority Date :22/04/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/059888

Filing Date :15/04/2011

(87) International Publication No :WO 2011/132763

(61) Patent of Addition 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)KARIYA Nobusuke

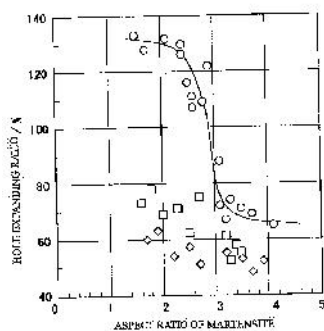
2)SAITO Hayato

3)YOKOTA Takeshi

(57) Abstract :

Disclosed is high strength hot-dip galvanized steel sheet with a tensile strength of at least 590 MPa that has superior workability (stretch flange formability) when drilling by laser machining. Also disclosed is a production method therefor. The high strength hot-dip galvanized steel sheet with superior workability is characterized in that: the steel composition includes, in mass% 0.03 to 0.15% C, less than 0.5% Si, 1.0 to 2.5% Mn, no more than 0.05% P, no more than 0.01% S, no more than 0.05% Al, no more than 0.0050% N, 0.05 to 0.8% Cr, and 0.01 to 0.1% V, with the remainder comprising Fe and unavoidable impurities; the microstructure of the steel is provided with a ferrite having a mean particle size of no more than 15 μm and martensites having an area ratio of 5 to 40%; in the aforementioned martensites, the ratio of martensites, from among all of the martensites, that have an aspect ratio of less than 3.0 exceeds 95% in area ratio; and a galvanized coating is provided on the surface of the steel sheet.

AREA RATIO OF MARTENSITE (%)	
○	5 ~ 40
□	< 5
◇	> 40



No. of Pages : 39 No. of Claims : 3

(54) Title of the invention : APTAMERS TO -NGF AND THEIR USE IN TREATING -NGF MEDIATED DISEASES AND DISORDERS

(51) International classification :C12P19/34,C07H21/04
 (31) Priority Document No :61/323,145
 (32) Priority Date :12/04/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/032017
 Filing Date :12/04/2011
 (87) International Publication No :WO 2011/130195
 (61) Patent of Addition 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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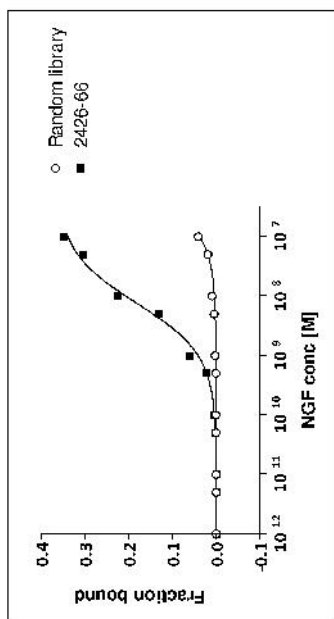
4)RESNICOW, Daniel

5)NAGABUKURO, Akira

6)ONO, Toshihide

(57) Abstract :

The present disclosure relates generally to the field of nucleic acids and, more particularly, to aptamers capable of binding to -NGF; pharmaceutical compositions comprising such -NGF aptamers; and methods of making and using the same.



No. of Pages : 89 No. of Claims : 82

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2653/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : AXMI218, AXMI219, AXMI220, AXMI226, AXMI227, AXMI228, AXMI229, AXMI230, AND AXMI231 DELTA-ENDOTOXIN GENES AND METHODS FOR THEIR USE

(51) International classification :C12N15/32,C12N5/14,C12N1/20
(31) Priority Document No :61/305,808
(32) Priority Date :18/02/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/025171
Filing Date :17/02/2011
(87) International Publication No :WO 2011/103247
(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)SAMPSON, Kimberly, S.
2)TOMSO, Daniel, John

(57) Abstract :

Compositions and methods for conferring pesticidal activity to bacteria, plants, plant cells, tissues and seeds are provided. Compositions comprising a coding sequence for a toxin polypeptide are provided. The coding sequences can be used in DNA constructs or expression cassettes for transformation and expression in plants and bacteria. Compositions also comprise transformed bacteria, plants, plant cells, tissues, and seeds. In particular, isolated toxin nucleic acid molecules are provided. Additionally amino acid sequences corresponding to the polynucleotides are encompassed, and antibodies specifically binding to those amino acid sequences. In particular, the present invention provides for isolated nucleic acid molecules comprising nucleotide sequences encoding the amino acid sequence shown in SEQ ID NO: 13 30, or the nucleotide sequence set forth in SEQ ID NO: 1-12, as well as variants and fragments thereof.

No. of Pages : 53 No. of Claims : 25

(54) Title of the invention : ACOUSTIC WAVE DEVICE

(51) International classification :H03H9/145,H01L41/09,H01L41/18
 (31) Priority Document No :2010-110810
 (32) Priority Date :13/05/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/050267
 Filing Date :11/01/2011
 (87) International Publication No :WO 2011/142143
 (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)SOGOYA, Shinichi
2)OKUDA, Tetsuro
3)KUZUSHITA, Takuma

(57) Abstract :

Disclosed is an acoustic wave device equipped with a capacitor electrode connected in a series to IDT electrode on a piezoelectric substrate, and having a comb-shaped electrode pair, said acoustic wave device enabling both enhanced performance and miniaturization. An acoustic wave device (1) is equipped with: a piezoelectric substrate (30); an IDT electrode (29) formed on the piezoelectric substrate (30); and a capacitor electrode (28) formed on the piezoelectric substrate (30), and connected in a series to the IDT electrode (29). The capacitor electrode (28) comprises a plurality of capacitor electrode parts (28a to 28e) comprising a pair of comb-shaped electrodes inserted therebetween. The capacitor electrode parts (28a to 28e) are connected to each other in parallel. The capacitor electrode parts (28a to 28e) are formed in such a manner that the cross width direction (D1) in the capacitor electrode parts (28a to 28e), and the cross width direction (D2) in the IDT electrode (29) are inclined. The plurality of capacitor electrode parts (28a to 28e) is positioned in the direction of acoustic wave propagation (D1) in the IDT electrode (29).

No. of Pages : 39 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2655/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : A COMPOSITION TO BOOST AND ENHANCE IMMUNE SYSTEM AND METHOD OF PREPARING THEREOF.

(51) International classification :A23L1/29,A23L2/38,A61P37/00
(31) Priority Document No :PI 2010001103
(32) Priority Date :12/03/2010
(33) Name of priority country :Malaysia
(86) International Application No :PCT/MY2011/000015
Filing Date :18/02/2011
(87) International Publication No :WO 2011/112070
(61) Patent of Addition 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)OTHMAN Bin Hj. Ibrahim

(57) Abstract :

The present invention relates to a composition of five plant ingredients in powder form to boost and enhance immune system. The composition is free chemical compounds which are harmful to the body in the long run. The medicinal character of each plant ingredient brings the reputation of as an alternative synthetic supplements or drugs for living organism.

No. of Pages : 20 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2656/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : MDCT-BASED COMPLEX PREDICTION STEREO CODING

(51) International classification	:G10L19/00
(31) Priority Document No	:61/322,458
(32) Priority Date	:09/04/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2011/055350
Filing Date	:06/04/2011
(87) International Publication No	:WO 2011/124608
(61) Patent of Addition 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)CARLSSON, Pontus
2)PURNHAGEN, Heiko
3)VILLEMOES, Lars

(57) Abstract :

The invention provides methods and devices for stereo encoding and decoding using complex prediction in the frequency domain. In one embodiment, a decoding method, for obtaining an output stereo signal from an input stereo signal encoded by complex prediction coding and comprising first frequency-domain representations of two input channels, comprises the upmixing steps of: (i) computing a second frequency-domain representation of a first input channel; and (ii) computing an output channel on the basis of the first and second frequency-domain representations of the first input channel, the first frequency-domain representation of the second input channel and a complex prediction coefficient. The upmixing can be suspended responsive to control data.

No. of Pages : 76 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2657/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : A PROTIMIN POLYPEPTIDES FOR TRANSPORTING A COMPOUND ACROSS THE BLOOD-BRAIN-BARRIER

(51) International classification	:A61K47/42
(31) Priority Document No	:60/653928
(32) Priority Date	:18/02/2005
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2005/001158
Filing Date	:21/07/2005
(87) International Publication No	:WO/2006/086870
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:3255/KOLNP/2007
Filed on	:05/09/2007

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1)BELIVEAU, RICHARD
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3)REGINA, ANTHONY
4)CHE, CHRISTIAN

(57) Abstract :

The invention relates to improvements in the field of drug delivery. More particularly, the invention relates to polypeptides derived from aprotinin and from aprotinin analogs as well as conjugates and pharmaceutical compositions comprising these polypeptides or conjugates. The present invention also relates to the use of these polypeptide for transporting a compound or drug across the blood-brain barrier of a mammal and in the treatment and diagnosis of neurological diseases.

No. of Pages : 65 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2661/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : DEVICE FOR COVERING AND/OR RECONSTRUCTING A BONE DEFECT SITE, AND METHOD FOR PRODUCTION THEREOF

(51) International classification	:A61L31/14
(31) Priority Document No	:10 2010 009 333.5
(32) Priority Date	:19/02/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/DE2011/000131
Filing Date	:14/02/2011
(87) International Publication No	:WO 2011/100951
(61) Patent of Addition 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)SEILER,Marcus

(57) Abstract :

A device (1) for covering and/or reconstructing a bone defect site (2) and a method for producing a cap (4) of a covering device for a bone defect site (3) are proposed wherein the device (1) for covering and/or reconstructing a bone defect site (2) consists of a cap (4) (moulded shell rigid shell shaped body) and of at least one fixing means (5) for fixing the cap (4) on a bone, and the cap (4) is distinguished by having a dimensionally stable (rigid) nature and a wall (9) of the cap (4) directed towards the bone defect or a wall (11) of the cap (4) directed away from the bone defect corresponds to the shape of the regenerated bone.

No. of Pages : 26 No. of Claims : 19

(54) Title of the invention : METHOD FOR ELECTRICALLY HEATING SPRING, AND DEVICE FOR SAME

(51) International classification :C21D9/02,C21D1/40,H05B3/00
 (31) Priority Document No :2010-065506
 (32) Priority Date :23/03/2010
 (33) Name of priority country :Japan
 (86) International Application No:PCT/JP2011/056052
 Filing Date :15/03/2011
 (87) International Publication No :WO 2011/118452
 (61) Patent of Addition to
 Application Number :NA
 Filing Date :NA
 (62) Divisional to Application
 Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)CHUO HATSUJO KABUSHIKI KAISHA

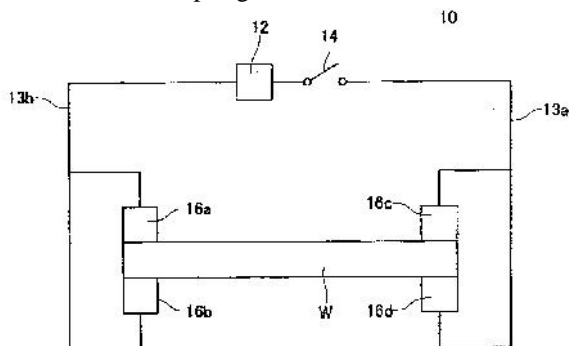
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(72)Name of Inventor :

1)HIRATA Yuichi**2)OGISO Hiroyuki****3)FUKATSU Atsushi**

(57) Abstract :

Provided is a method where it is possible through one electrical heating to heat a whole spring, including the vicinity of the electrodes. The method has a step wherein the spring comes in contact with at least one pair of electrodes, and a step for electrically heating the spring by applying voltage in between the pair of electrodes with which the spring has come in contact. The electrodes have a first part (18a) that has a first electrical resistivity, and also have a second part (20), which has a second electrical resistivity that is higher than the first electrical resistivity. The second part (20) has approximately the same level of electrical resistivity as that of the spring that will be heated. When electrically heated, the second part is heated to approximately the same temperature as the spring; hence, the electrodes of the spring and the area in contact with the electrodes also increase in temperature.



No. of Pages : 16 No. of Claims : 6

(54) Title of the invention : BIOADHESIVE COMPOSITIONS OF LOCAL ANAESTHETICS

(51) International classification :A61K9/06,A61K9/00,A61K31/445
 (31) Priority Document No :1050322-5
 (32) Priority Date :01/04/2010
 (33) Name of priority country :Sweden
 (86) International Application No :PCT/EP2011/055025
 Filing Date :31/03/2011
 (87) International Publication No :WO 2011/121082
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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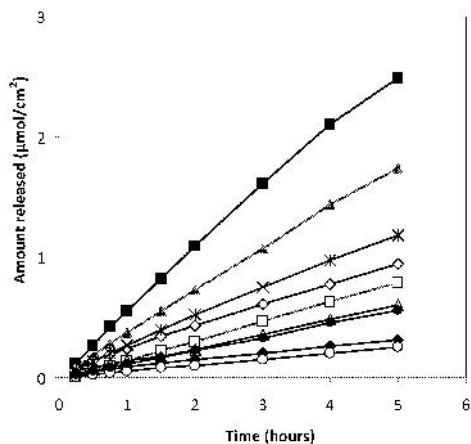
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(72)Name of Inventor :

1)SUNDBERG,Mark**2)BRODIN,Arne****3)GUSTAFSSON,Jonas**

(57) Abstract :

The present invention relates to a gelling bioadhesive pharmaceutical composition comprising one or more local anaesthetics in base form and which is suitable for topical administration. The compositions have anisotropic organic phase behaviour that admits swelling at administration site with excess water.



No. of Pages : 40 No. of Claims : 28

(54) Title of the invention : HYDRATED CRYSTALLINE FORMS OF N-[3-FLUORO-4-({6-(METHYLOXY)-7-[(3-MORPHOLIN-4-YL-PROPYL)OXY]-QUINOLIN-4-YL}OXY)PHENYL]-N'-(4-FLUOROPHENYL)CYCLOPROPANE-1,1-DICARBOXAMIDE

(51) International classification :C07D215/22,A61K31/47,A61P35/00
 (31) Priority Document No :61/313,192
 (32) Priority Date :12/03/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/028035
 Filing Date :11/03/2011
 (87) International Publication No :WO 2011/112896
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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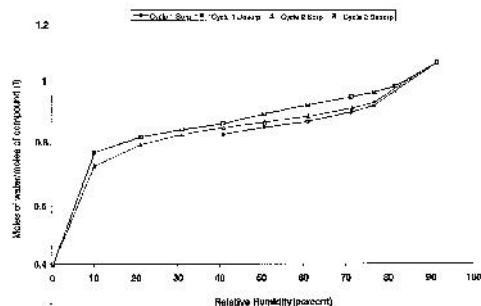
1)CANNON,Hilary

2)KANG,Feirong

3)VOGT,Frederick,G.

(57) Abstract :

This invention relates crystalline hydrates of N-[3-fluoro-4-({6-(methyloxy)-7-[(3- morpholin-4-ylpropyl)oxy]quinolin-4-yl }oxy)phenyl]-N-(4-fluorophenyl)cyclopropane-1,1-dicarboxamide, Compound (I). The invention provides methods for treatment of cancer by exploiting the modulation of protein kinase activity. The invention also provides pharmaceutical compositions containing a crystalline hydrate of Compound (I) and a pharmaceutically acceptable excipient.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2665/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : APPARATUS FOR THE INTRODUCTION OF AIR AND/OR SEALANT INTO A TIRE

(51) International classification :B29C73/16
(31) Priority Document No :10 2010 010 361.6
(32) Priority Date :05/03/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/001034
Filing Date :02/03/2011
(87) International Publication No :WO 2011/107272
(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)ECKHARDT,Arnold

(57) Abstract :

An apparatus for the introduction of air and/or sealant into a tire includes a container for the sealant which has an inlet and an outlet, wherein the outlet can be connected to the inlet end of a hose whose outlet end can be connected to the tire to be filled and includes a pressure generation means which can be selectively connected to the inlet of the container or to the inlet end of a hose whose outlet end can be connected to the tire to be filled. The same hose is provided for the connection between the pressure generation means and the tire to be filled, on the one hand, and between the outlet of the container and the tire to be filled, on the other hand, with respective couplings being provided at the pressure generation means, at the inlet of the container and at the outlet of the container as well as at the inlet end of the hose which selectively enable the inlet end of the hose to be connected directly to the pressure generation means or the inlet of the container to be connected to the pressure generation means and the inlet end of the hose to be connected to the outlet of the container.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2666/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR SPATIALLY CONTROLLED SCENE ILLUMINATION

(51) International classification :H04N7/18,H04N5/225
(31) Priority Document No :12/715,177
(32) Priority Date :01/03/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/026736
Filing Date :01/03/2011
(87) International Publication No :WO 2011/149577
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

A scene illumination system is provided that produces spatially uniform or controlled brightness levels for machine vision applications. The system includes a camera, multiple light sources that preferentially illuminate different regions within the cameras field-of-view, and a processing unit coupled to the camera and light sources. Focal regions of the light sources within the cameras field-of-view are sampled to determine average regional brightness and compared to target brightness levels. The processing unit controls the light sources to increase or decrease illumination levels to converge toward the target brightness levels within the field-of-view. This modulation of the light sources may be repeated with successive video images until target brightness levels are achieved. Once achieved, the iterative feedback control may be locked-in for some applications while for others the iterative process may continue periodically or continuously to account for different scenes or changes in lighting conditions.

No. of Pages : 38 No. of Claims : 70

(54) Title of the invention : CRUSHING DEVICE

(51) International classification :B02C18/06,B02C18/14,B02C18/22
 (31) Priority Document No :2010-163063
 (32) Priority Date :20/07/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/066100
 Filing Date :14/07/2011
 (87) International Publication No :WO 2012/011430
 (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)UEDA,Toshiharu
2)UEDA,Kuniyuki

(57) Abstract :

A crushing device (20) is provided with: a crushing mechanism (30) for crushing an object to be crushed, the crushing mechanism (30) performing the crushing operation by a stationary blade (29) and a crushing rotor (31) which is rotationally driven by a crushing motor (33); a conveyance mechanism (40) for pressing and conveying the object to be crushed to the crushing mechanism (30) by a conveyance roller (41) rotationally driven by a conveyance motor (42); a pressing mechanism (50) for rocking the conveyance mechanism (40) by an arm cylinder (53); and a hopper (22) for receiving the object to be crushed. The drive force of the arm cylinder (53) is controlled according to the drive load of the conveyance motor (42), and the rotational speed of the conveyance motor (42) is controlled according to the drive load of the crushing motor (33). The configuration can prevent a reduction in the conveyance speed and a reduction in the crushing efficiency.

No. of Pages : 57 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2668/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : MDCT-BASED COMPLEX PREDICTION STEREO CODING

(51) International classification :G10L19/00

(31) Priority Document No :61/322458

(32) Priority Date :09/04/2010

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/EP2011/055369

Filing Date :06/04/2011

(87) International Publication No :WO 2011/124616

(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)CARLSSON, Pontus

3)VILLEMOES, Lars

(57) Abstract :

The invention provides methods and devices for stereo encoding and decoding using complex prediction in the frequency domain. In one embodiment, a decoding method, for obtaining an output stereo signal from an input stereo signal encoded by complex prediction coding and comprising first frequency domain representations of two input channels, comprises the upmixing steps of: (i) computing a second frequency-domain representation of a first input channel; and (ii) computing an output channel on the basis of the first and second frequency-domain representations of the first input channel, the first frequency domain representation of the second input channel and a complex prediction coefficient. The method comprises performing frequency-domain modifications selectively before or after upmixing.

No. of Pages : 66 No. of Claims : 15

(54) Title of the invention : TRANSPORTING APPARATUS

(51) International classification :B65G19/02,B65G19/22
 (31) Priority Document No :BO2010A000138
 (32) Priority Date :09/03/2010
 (33) Name of priority country :Italy
 (86) International Application No :PCT/IB2011/000499
 Filing Date :08/03/2011
 (87) International Publication No :WO 2011/110925
 (61) Patent of Addition 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)CAVINA, Luigi

(57) Abstract :

An apparatus for transporting objects (100) comprises guide means (3; 303; 403) for supporting and guiding along a movement path (P) at least one carriage (4; 104; 204; 304; 404) supporting a support element (5) suitable for receiving at least one object (100), and movement means (2; 302) for moving the carriage (4; 104; 204; 304; 404) along the movement path (P); the carriage (4; 104; 204; 304; 404) is provided with rolling elements (9,10,11; 409,410, 411) and the guide means (3; 403) comprises at least three guides (6, 7, 8; 406, 407, 408) that are parallel to one another each of which arranged for supporting and guiding a respective rolling element (9,10, 11; 409, 410, 411) in an operative configuration (A) of the carriage (4; 104; 204; 304; 404), the guides (6,7,8; 406, 407, 408) defining respective movement profiles (60, 70, 80) conjugated and shaped so as each rolling element (9, 10, 11; 409, 410, 411) abuts on the respective guide (6, 7, 8; 406, 407, 408) in each point of the latter along the movement path (P), the rolling elements (9, 10, 11; 409, 410, 411) being arranged, with respect to a plane that is parallel to said guides (6, 7, 8; 406, 407, 408), at the vertices of a triangle.

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

(54) Title of the invention : ORGANIC CARBONATES WITH VANILLA ODOR

(51) International classification :C11B9/00
 (31) Priority Document No :10160575.6
 (32) Priority Date :21/04/2010
 (33) Name of priority country :EPO
 (86) International Application No :PCT/IB2011/051427
 Filing Date :04/04/2011
 (87) International Publication No :WO 2011/132098
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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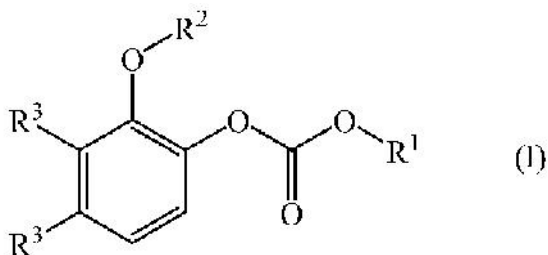
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(72)Name of Inventor :

1)GAUDIN, Jean-Marc

(57) Abstract :

The present invention relates to some alkyl aryl carbonates of formula (I) wherein R1 represents a C1-3 hydrocarbon group; R2 represents a C1-3 hydrocarbon group; and one R3 represents a C1-3 hydrocarbon group, and the other R3 represents a hydrogen atom; which can be used as perfuming ingredients, for instance to impart odor notes of the spicy 10 and/or balsamic type.



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

(54) Title of the invention : CRITICAL WORD FORWARDING WITH ADAPTIVE PREDICTION

(51) International classification :G06F13/16
 (31) Priority Document No :12/791,387
 (32) Priority Date :01/06/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2011/038171
 Filing Date :26/05/2011
 (87) International Publication No :WO 2011/153072
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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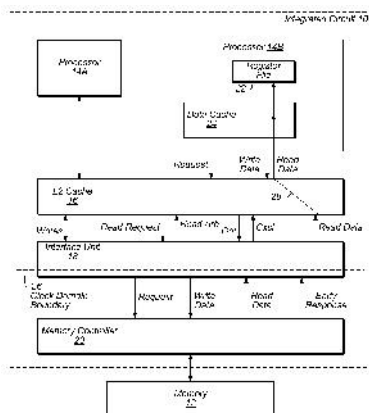
95014 UNITED STATES OF AMERICA

(72)Name of Inventor :

1)LILLY, Brian P.**2)KASSOFF, Jason M.****3)CHEN, Hao**

(57) Abstract :

In an embodiment, a system includes a memory controller, processors and corresponding caches. The system may include sources of uncertainty that prevent the precise scheduling of data forwarding for a load operation that misses in the processor caches. The memory controller may provide an early response that indicates that data should be provided in a subsequent clock cycle. An interface unit between the memory controller and the caches/processors may predict a delay from a currently received early response to the corresponding data, and may speculatively prepare to forward the data assuming that it will be available as predicted. The interface unit may monitor the delays between the early response and the forwarding of the data, or at least the portion of the delay that may vary. Based on the measured delays, the interface unit may modify the subsequently predicted delays.



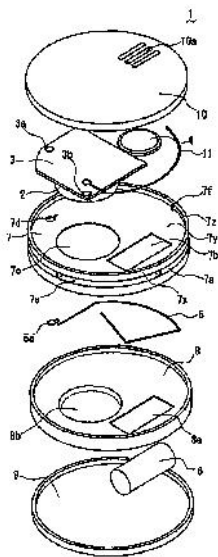
No. of Pages : 34 No. of Claims : 14

(54) Title of the invention : WIRELESS APPARATUS, WIRELESS ABNORMALITY NOTIFICATION SYSTEM USING SAME, AND WIRELESS REMOTE CONTROL SYSTEM

(51) International classification	:H04B1/38,H01Q9/38	(71)Name of Applicant :
(31) Priority Document No	:2010-064960	1)PANASONIC CORPORATION
(32) Priority Date	:19/03/2010	Address of Applicant :1006, Oaza Kadoma, Kadoma-shi,
(33) Name of priority country	:Japan	Osaka 571-8501, JAPAN
(86) International Application No	:PCT/IB2011/000354	(72)Name of Inventor :
Filing Date	:23/02/2011	1)MATSUMOTO Kazuhiro
(87) International Publication No	:WO 2011/114204	2)KOHROGI Takeshi
(61) Patent of Addition to Application Number	:NA	3)YOKOTA Hiroshi
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed is a wireless apparatus which is provided with: an antenna; a circuit board which constitutes a wireless communication circuit having the antenna connected thereto; and a housing which houses the circuit board, and which is formed by resin molding. A linear conductor is extended from the ground of the circuit board.



No. of Pages : 53 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2673/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : ELECTRICALLY ACTUATABLE PARKING BRAKE SYSTEM

(51) International classification	:B60T13/68,B60T13/38	(71)Name of Applicant :
(31) Priority Document No	:102010011978.4	1)KNORR-BREMSE SYSTEME FÜR NUTZFAHRZEUGE
(32) Priority Date	:19/03/2010	GMBH
(33) Name of priority country	:Germany	Address of Applicant :Moosacher Str. 80, 80809 München,
(86) International Application No	:PCT/EP2011/053945	GERMANY
Filing Date	:16/03/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2011/113853	1)VUCKOVIC Zoran
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to an electrically actuatable parking brake system for a pneumatic braking system, comprising a control valve device (22) that has a control piston (100). The parking brake system can assume at least two operating states, namely a parked state or a driving state. The operating states can be assumed in a selective manner dependent on a position of the control piston (100), and the parked state is provided when the control piston (100) is forced into an end position by the force of a spring (98) that lies in a spring chamber (116). According to the invention, leaked air that exits a ventilating connection (70) of the control valve device (22) can be returned into the spring chamber (116).

No. of Pages : 28 No. of Claims : 7

(54) Title of the invention : DEVICE FOR VACUUM PACKAGING. PARTICULARLY OF FOOD PRODUCTS

(51) International classification :B65B31/02,B65B31/04,B65B51/10 (31) Priority Document No :TV2010A000019 (32) Priority Date :19/02/2010 (33) Name of priority country :Italy (86) International Application No :PCT/EP2011/050621 Filing Date :18/01/2011 (87) International Publication No :WO 2011/101190 (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant : 1)EXTRU SA Address of Applicant :Poligono Industrial, S/N, 31840 Huarte Araquil, SPAIN (72)Name of Inventor : 1)SCOLARO Mauro
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(57) Abstract :

A packaging device (1a, 1b), particularly for manually or automatically packaging trays containing food products or technical materials which can be inserted, by means of a loading platform (13), between longitudinally folded parts of a single-folded film (7) and comprising means for thermal bonding or heat sealing for sealing, and at least one nozzle for producing a vacuum and/or for introducing the gas or mixture, and a vacuum chamber (3). The single folded film (7) is fixed and the vacuum chamber is movable and comprises at least one movable presser arranged above the single-folded film. The presser is forced on top of the tray and is provided with means adapted to convey the streams of air and/or gas. The return of air into the vacuum chamber (3) occurs by means of a series of holes provided between a transverse heat-sealing bar and the wall of the vacuum chamber (3) that is parallel thereto.

No. of Pages : 40 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2676/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : PROTECTION RELAY DEVICE AND PROTECTION RELAY METHOD

(51) International classification :H02H3/02
(31) Priority Document No :2010-058642
(32) Priority Date :16/03/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/001508
Filing Date :15/03/2011
(87) International Publication No :WO 2011/114712
(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)OHNARI Takaaki
2)KAWASAKI Tomoyuki
3)SEKIGUCHI Katsuhiko
4)MIURA Shogo
5)KAWAMATA Masayuki

(57) Abstract :

Provided is a protection relay device for reducing noise generated in an analog input unit that receives a signal from a power system and for monitoring the aging of components in the analog input unit at high accuracy and reliability. The protection relay device comprises: an analog/digital converter for sampling an analog signal input from an analog input unit and converting the analog signal to digital data; a variable filter having a filter coefficient varied by control from another unit, filtering the digital data, and outputting the filtered digital data; and an adaptive control unit for variably controlling the filter coefficient of the variable filter so as to reduce the difference between the digital data passing through the variable filter and a target signal.

No. of Pages : 32 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2677/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : IMPACT ENERGY ABSORPTION STRUCTURE

(51) International classification :F16F7/12,B62D21/15
(31) Priority Document No :2010-089202
(32) Priority Date :08/04/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/059223
Filing Date :07/04/2011
(87) International Publication No :WO 2011/126146
(61) Patent of Addition 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 :2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 JAPAN
(72)Name of Inventor :
1)FUTATSUKA Takayuki
2)FUJITA Takeshi

(57) Abstract :

Provided is a collision energy absorbing structure which has a simple structure, and can be formed by pressing, wherein a stable deformed shape can be obtained; a resistance for load in a deformation process is stable at a high level; and the energy absorbing efficiency is high. The collision energy absorbing structure is cylindrical, and changes shape in the axial direction to absorb collision energy. The shape of a section perpendicular to the axial direction is a polygonal shape which is symmetrical with respect to the center of the section, and is not symmetrical with respect to the center line of the section. When the outline of the section has a rectangular shape the aspect ratio is less than 1.5 and the ratio of the lengths of the adjacent sides among the sides of the polygonal shape constituting the section is 2.3 or less.

No. of Pages : 44 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2678/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : PHARMACEUTICAL COMBINATION FOR THE TREATMENT OF PAIN

(51) International classification :A61K31/137,A61K45/06,A61P29/00
(31) Priority Document No :10 006 202.5
(32) Priority Date :15/06/2010
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2011/002905
Filing Date :14/06/2011
(87) International Publication No :WO 2011/157391
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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GERMANY
(72)Name of Inventor :
1)SCHIENE, Klaus
2)BLOMS-FUNKE, Petra

(57) Abstract :

The present invention relates to a combination comprising as components (a) at least one 3-(3-Dimethylamino-1-ethyl-2-methyl-propyl)-phenol compound, and (b) at least one NMDA-antagonist, a pharmaceutical formulation and a dosage form comprising said combination as well as a method of treating pain, e.g. inflammatory pain or neuropathic pain, wherein components (a) and (b) are administered simultaneously or sequentially to a mammal, whereby component (a) may be administered before or after component (b) and whereby components (a) or (b) are administered to the mammal either via the same or a different pathway of administration.

No. of Pages : 23 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2680/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : METALLIC PIGMENT COMPOSITION

(51) International classification :C09C1/62,C09C3/08,C09C3/12
(31) Priority Document No :2010-077676
(32) Priority Date :30/03/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2011/057829
Filing Date :29/03/2011
(87) International Publication No :WO 2011/122629
(61) Patent of Addition 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)NAKAJIMA Kazuko

2)UEYANAGI Kaoru

(57) Abstract :

Disclosed is a metallic pigment composition that can be used in coating compositions or ink compositions, specifically, in water-based coatings and water-based inks, and exhibits superior coating material storage stability. When formed into a coating material, the metallic pigment composition has superior performance for photoluminescence, concealment, flip-flop color and other properties, and does not change the color of dyes or organic pigments. The metallic pigment composition contains: at least one organic molybdenum compound; a hydrolysate of a compound containing silicon and/or a condensate thereof; and metal particles.

No. of Pages : 103 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2681/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :17/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : FILTRATION MEDIA HAVING RECYCLED WASTE MATERIALS

(51) International classification :B01D39/20,B01D53/04,B01J20/32
(31) Priority Document No :61/321,922
(32) Priority Date :08/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/031168
Filing Date :05/04/2011
(87) International Publication No :WO 2011/127008
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)PURAFIL, INC.
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30340 U.S.A
(72)Name of Inventor :
1)ENGLAND, William, G.

(57) Abstract :

A method for forming a filtration media from waste media includes combining the waste media with a binder to form a dry mixture, adding a liquid composition to the dry mixture to form a slurry, and extruding the slurry to form a filtration media. The waste media may include fines or oversized media resulting from a prior media production process that have been subjected to a hydration process. The waste media may be ground and sized prior to combining it with the binder. The binder may include clay, cellulose materials, and combinations thereof. The liquid composition may include water and optionally one or more additional additives selected from the group consisting of permanganates, acids, bases, amines and combinations thereof. In one embodiment, the slurry is extruded into a honeycomb matrix.

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

(54) Title of the invention : A LEAK DETECTOR WITH OPTICAL TRACER GAS DETECTION

(51) International classification :G01M3/20,G01M3/38
 (31) Priority Document No :12/757,631
 (32) Priority Date :09/04/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/EP2011/055361
 Filing Date :06/04/2011
 (87) International Publication No :WO 2011/124613
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)INFICON GMBH

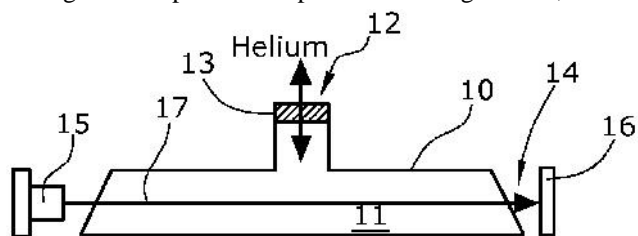
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(72)Name of Inventor :

1)SCHWARTZ Vladimir**2)WETZIG, Daniel****3)CHERNOBROD, Boris**

(57) Abstract :

A leak detector comprises a cell provided with a tracer gas inlet preferably permeable to a tracer gas. In the cell, the tracer gas is caused to assume an energetically higher metastable state. By means of laser spectroscopy the absorption spectrum of the metastable tracer gas is sampled in an optical measuring section, whereby the presence of tracer gas is detected.



No. of Pages : 13 No. of Claims : 7

(54) Title of the invention : IMPROVED LIPOSOMAL FORMULATIONS OF LIPOPHILIC COMPOUNDS

(51) International classification :A61K9/127,A61K9/16,A61K31/337
 (31) Priority Document No :10163643.9
 (32) Priority Date :21/05/2010
 (33) Name of priority country :EPO
 (86) International Application No :PCT/EP2011/058275
 Filing Date :20/05/2011
 (87) International Publication No :WO 2011/144745
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)MEDIGENE AG

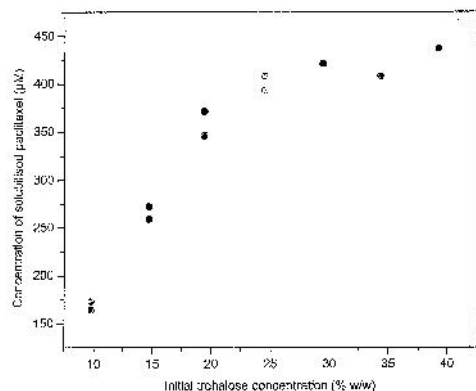
Address of Applicant :Lochhamer Strae 11, 82152 Planegg, GERMANY

(72)Name of Inventor :

1)HAAS, Heinrich**2)FATTLER, Ursula**

(57) Abstract :

The present invention relates to the preparation of liposomes with enhanced loading capacity for pharmaceutically and/or diagnostically active agents and/or cosmetic agents which are substantially solubilized by the liposomal membranes, to liposome dispersions with enhanced stability with respect to release of the active agent and/or cosmetic agent from the liposomes obtainable by the process, and to pharmaceutical or cosmetic compositions comprising said stabilized liposome dispersions. The preparation may involve dehydration and rehydration steps of liposome dispersions which may be carried out by spray drying.



No. of Pages : 68 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2686/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : CONTROL OF BIOGAS PLANTS

(51) International classification	:C12M1/107
(31) Priority Document No	:102010014240.9
(32) Priority Date	:01/04/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/054909
Filing Date	:30/03/2011
(87) International Publication No	:WO 2011/121022
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)KSB AKTIENGESELLSCHAFT

Address of Applicant :Johann Klein Stra ße 9, 67227
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(72)Name of Inventor :

1)ROSTALSKI, Kai

2)SPRINGER, Peer

(57) Abstract :

The invention relates to a method and a facility for producing biogas from organic matter. A container (1) is charged with substrate by means of a delivery system (13). At least one stirring mechanism (2) is arranged in the container (1). The feedback value of at least one measurable variable is recorded and transmitted to a control unit (4). A reference variable is provided in the control unit (4). The control unit (4) calculates the deviation of the feedback value from the reference value. Actuating variables which modify the power input of the stirring mechanism (2) and/or the composition of the container contents and/or the flow behaviour of the container contents are varied as a function of this deviation.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2687/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : METHOD AND APPLIANCE FOR PRODUCING BIOGAS

(51) International classification :C12M1/107
(31) Priority Document No :10 2010 014 239.5
(32) Priority Date :01/04/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/054911
Filing Date :30/03/2011
(87) International Publication No :WO 2011/121024
(61) Patent of Addition 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 :Johann Klein Stra e 9, 67227
Frankenthal, GERMANY
(72)Name of Inventor :
1)ROSTALSKI, Kai
2)SPRINGER, Peer

(57) Abstract :

The invention relates to a method and a facility for producing biogas. The biogas is obtained from organic matter. A container (1) is charged with substrate by means of a delivery system (13). At least two stirring mechanisms (2) are arranged in the container (1). The fans (3) of the stirring mechanisms (2) are rotated and generate in the container (1) mostly horizontal currents of the container contents. The fan diameter, the fan geometry and the position of the fans (3) are chosen such that a shared mixing zone of the medium is generated in the container (1). According to the invention, data for determining the mean speed and/or the viscosity of the medium in the mixing zone are recorded. These data are transmitted to a control unit (4). The control unit (4) varies actuating variables which modify the power input of the stirring mechanism (2) into the mixing zone and/or the composition and/or the flow behaviour of the container contents.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2688/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : APPARATUS AND METHOD FOR ORTHOGONAL COVER CODE (OCC) GENERATION, AND APPARATUS AND METHOD FOR OCC MAPPING

(51) International classification :H04J13/12

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/CN2010/071532

Filing Date :02/04/2010

(87) International Publication No :WO 2011/120233

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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2)ZHOU, Hua

3)WU, Jianming

(57) Abstract :

An apparatus and method for Orthogonal Cover Code(OCC) generation, and an apparatus and method for OCC mapping are disclosed in the present invention, wherein the apparatus for OCC generation includes: a means for generating the first group of OCC sequences, which is used to generate the first group of OCC sequences; a means for generating the second group of OCC sequences which is used to mirror the columns of the first group of OCC sequences to generate the second group of OCC sequences; a means for generating the third group of OCC sequences, which is used to perform cyclic shift on the column vectors of the first group of OCC sequences to generate the third group of OCC sequences; and a means for generating the fourth group of OCC sequences, which is used to mirror the columns of the third group of OCC sequences to generate the fourth group of OCC sequences. According to the above mentioned technical solution of the present invention, the randomization of the pilot sequence is improved, the problem of data transmission power imbalance is solved, the orthogonality requirements in both time dimension and frequency dimension are satisfied, and more robust channel estimation performance is provided.

No. of Pages : 34 No. of Claims : 31

(54) Title of the invention : SPRING AND METHOD FOR PRODUCING SAME

(51) International classification :C22C38/00,C21D1/06,C21D7/06
 (31) Priority Document No :2010-093543
 (32) Priority Date :14/04/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/056923
 Filing Date :23/03/2011
 (87) International Publication No :WO 2011/129179
 (61) Patent of Addition 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)SUZUKI, Takeshi
2)ONO, Yoshiki
3)KUROKAWA, Shimpei

(57) Abstract :

A spring characterized by: having a total composition comprising, in terms of wt%, 0.27 0.48% of C, 0.01 2.2% of Si, 0.30 1.0% of Mn, not more than 0.035% of P, and not more than 0.035% of S, the balance being Fe and inevitable impurities; the thicknesses of a nitrogen compound layer and carbon compound layer on the surface being not more than 2 μ m; the hardness at the center part of the cross section being 500 700 HV; a compressive residual stress layer with a thickness of 0.30 mm to D/4 [wherein D stands for the circle equivalent diameter (mm) of the cross section] being formed in the surface layer; and the maximum compression residual stress thereof being 1400 2000 MPa.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2691/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : SYSTEM AND METHOD FOR PUBLISHING AND DISPLAYING DIGITAL MATERIALS

(51) International classification :G06F7/00
(31) Priority Document No :61/327,590
(32) Priority Date :23/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/031355
Filing Date :06/04/2011
(87) International Publication No :WO 2011/133323
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)VAN RENSBURG, Wesley
2)BARRUS, Joe
3)AGUIAR, Elizabeth
4)EVANS, Erik
5)RIESENBERG, Marc

(57) Abstract :

The present invention provides a system for publishing and displaying digital materials, comprising an ePub publishing module comprising a mechanism for publishers to upload ePub files, a user management module providing a means to add, edit and remove end users from the system, a bookshelf module for organizing the users content in order to create a logical grouping of content, a reading content module for reading content after the user has been mapped to the content, and an annotating content module for annotating user selected text.

No. of Pages : 38 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2692/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : CONFECTIONERY AND METHODS OF PRODUCTION THEREOF

(51) International classification :A23G3/00,A23G3/20,A23G3/54
(31) Priority Document No :1004901.3
(32) Priority Date :23/03/2010
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2011/050588
Filing Date :23/03/2011
(87) International Publication No:WO 2011/117635
(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)CLARKE, Peter
3)SUTARIA, Devang
4)VAN NIEKERK, Miles

(57) Abstract :

The present invention relates to a confectionery product comprising an extruded body portion, the extruded body portion comprising a plurality of conduits disposed therein, wherein the extruded body portion is substantially transparent and the plurality of conduits contain a visually contrasting material to the extruded body portion, wherein different conduits individually comprise different coloured substances and/or comprise substances which may vary in colour along the length of the conduits. Also the present invention relates to a confectionery product comprising an extruded body portion, the extruded body portion comprising one or more conduits disposed therein, wherein the extruded body portion is substantially transparent and the one or more conduits contain a visually contrasting material comprising a reflective material to the extruded body portion; and/or the extruded body portion and/or the one or more conduits contain a substance which is at least partially luminescent; and/or the one or more conduits contains a material which is able to change colour upon variations in pH and/or temperature. The present invention also relates to methods of producing the same.

No. of Pages : 51 No. of Claims : 35

(54) Title of the invention : APPARATUS AND METHOD FOR IRIS RECOGNITION USING MULTIPLE IRIS TEMPLATES

(51) International classification :G06K9/36,G06K9/46,G06K9/00

(31) Priority Document No :10-2010-0044974

(32) Priority Date :13/05/2010

(33) Name of priority country :Republic of Korea

(86) International Application No :PCT/KR2010/003443

Filing Date :31/05/2010

(87) International Publication No:WO 2011/142495

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)IRITECH, INC.

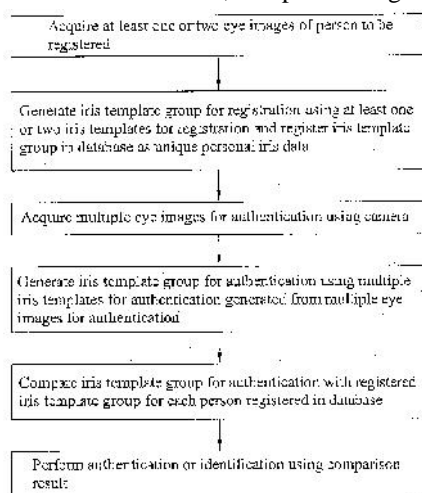
Address of Applicant :3951 Pender Dr., Suite 120A Fairfax, Virginia 22030 UNITED STATES OF AMERICA

(72)Name of Inventor :

1)KIM, Dae-hoon**2)CHOI, Hyeong-in****3)WEE, Nam-sook****4)LEE, Doo-seok****5)SOHN, Jung-kyo****6)NOVIK, Vladimir**

(57) Abstract :

The present invention relates to an apparatus for iris recognition using multiple iris templates which are registered for each individual, and to an apparatus for performing the method. The method comprises the steps of: acquiring single or multiple eye images of a person to be registered; generating a registered iris template group from the acquired single or multiple eye images, and registering the group in a database; photographing an eye with a camera multiple times and acquiring images thereof for authentication; generating multiple iris templates for authentication from the photographed and acquired eye images to configure an iris template group for authentication; comparing the iris template group for authentication with the registered iris template group for each registered person stored in the database; and performing authentication or identification using the result of the comparison.



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

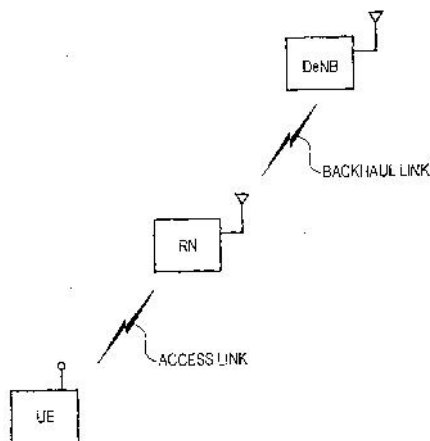
(54) Title of the invention : MOBILE COMMUNICATION METHOD AND RELAY NODE

(51) International classification :H04W16/26,H04W28/04
 (31) Priority Document No :2010-057871
 (32) Priority Date :15/03/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/056082
 Filing Date :15/03/2011
 (87) International Publication No :WO 2011/115122
 (61) Patent of Addition 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)TAKAHASHI, Hideaki
2)HAPSARI, Wuri Andarmawanti
3)UMESH, Anil
4)IWAMURA, Mikio
5)ISHII, Minami

(57) Abstract :

A relay node (RN) comprises: an MBSFN subframe establishment information acquiring unit (11) that is configured to acquire establishment information from a radio base station (DeNB) in a process of establishing an RRC connection with the radio base station (DeNB); a receiving unit (14) that is configured to receive an uplink signal from a mobile station (UE) during a first period and to receive, based on the acquired establishment information, a downlink signal from the radio base station (DeNB) in an MBSFN subframe; and a transmitting unit (13) that is configured to transmit the downlink signal to the mobile station (UE) during a second period. The transmitting unit (13) and receiving unit (14) are configured such that the first and second periods are alternately switched and are equal to a half of RTT of a sync HARQ control.



No. of Pages : 22 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2695/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : STRUCTURE, CHIP FOR LOCALIZED SURFACE PLASMON RESONANCE SENSOR, LOCALIZED SURFACE PLASMON RESONANCE SENSOR, AND MANUFACTURING METHODS THEREFOR

(51) International classification :G01N21/27,B82B1/00
(31) Priority Document No :2010-083684
(32) Priority Date :31/03/2010
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2010/072055
Filing Date :08/12/2010
(87) International Publication No :WO 2011/121857
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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INDUSTRIAL SCIENCE AND TECHNOLOGY**
(72)Name of Inventor :
1)SEZAKI, Fumiyasu
2)FUKUDA, Takashi

(57) Abstract :

Implemented is a chip for a localized surface plasmon resonance sensor, which is capable of providing a more highly-sensitive localized surface plasmon resonance sensor. Disclosed is a structure which is provided with a planar section and tubular bodies, wherein the tubular bodies are formed by being erected in such a manner that the openings face the plane of the planar section, the average inner diameter of the openings of the tubular bodies is within a range of 5-2,000 nm inclusive, and the ratio (A/B) of inner diameter (A) of the openings of the tubular bodies to inner diameter (B) in the midpoint of the depth from the openings of the tubular bodies is within a range of 1.00 1.80 inclusive, the bottom sections of the tubular bodies being an aspherical surface.

No. of Pages : 143 No. of Claims : 18

(54) Title of the invention : EASY-OPEN CONTAINER AND PRODUCTION METHOD THEREOF

(51) International classification :B65D77/20,B65D1/00,B65D53/04
 (31) Priority Document No :2010-062105
 (32) Priority Date :18/03/2010
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2011/056176
 Filing Date :16/03/2011
 (87) International Publication No :WO 2011/115158
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)IDEMITSU UNITECH CO.,LTD.,
 Address of Applicant :2-3, Shiba 4-chome, Minato-ku, Tokyo
 1080014 JAPAN
 (72)Name of Inventor :
1)SATO, Toshiya

(57) Abstract :

Disclosed is an easy-open container provided with a container main body (2) having a flange (25) at the periphery of an opening, wherein a surface layer (21) of the container main body (2) on the flange and a seal layer (31) of a lid (3) are annularly heat-sealed, and the sealed portion (26) of at least one of the container main body (2) and the lid (3) is subjected to interfacial peeling or cohesion failure, so that the lid (3) can be opened. The easy-open container is characterized in that, in a first heat-seal step for applying heat-sealing, the lid (3) is placed on the upper surface of the flange (25) of the container main body (1), a first annular sealing board is pressed from above the upper side of the lid (3) toward the upper surface of the flange (25), a torose resin accumulation portion (6) is formed on the flange (25) near a position where the inner periphery of the first annular sealing board abuts the flange (25), and the resin accumulation portion has a specific shape. Taking the continuous productivity into account, it is preferable that a second annular sealing board is pressed from above the lid (3) so that the resin accumulation portion has a specific shape.

No. of Pages : 44 No. of Claims : 7

(54) Title of the invention : METHOD AND DEVICE FOR RECEIVING DOWNLINK SIGNAL

(51) International classification :H04W72/12,H04W72/04,H04J11/00
 (31) Priority Document No :61/323,842
 (32) Priority Date :13/04/2010
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/KR2011/002633
 Filing Date :13/04/2011
 (87) International Publication No :WO 2011/129610
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)KIM, Hakseong**2)SEO, Dongyoun****3)SEO, Hanbyul****4)LEE, Daewon****5)KIM, Byounghoon****6)KIM, Kijun**

(57) Abstract :

The present invention relates to a method and a device for receiving a downlink signal in a wireless communication system. More specifically, the method of the present invention comprises the following steps: receiving first control information for downlink scheduling in the first slot of a resource block pair, wherein the first control information includes allocation information on at least one resource unit; receiving a data in the second slot of the resource block pair, when the allocation information on the resource unit having the resource block pair with the first control information has a first value; and attempting to detect second control information for uplink scheduling in the second slot of the resource block pair, when the allocation information on the resource unit having the resource block pair with the first control information has a second value.

No. of Pages : 137 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2725/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : HYDRAULIC COUPLING HAVING IMPROVED HYDRAULIC PORTING PATH DESIGN

(51) International classification :F16D43/284

(31) Priority Document No :12/728,327

(32) Priority Date :22/03/2010

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/IB2011/000572

Filing Date :18/03/2011

(87) International Publication No :WO 2011/117701

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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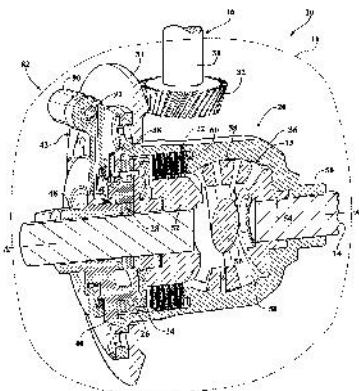
(72)Name of Inventor :

1)FOX, Matthew, G.

2)MCMILLAN, Patrick. J

(57) Abstract :

A hydraulic coupling for use in a vehicle drivetrain to couple a pair of rotary members and includes a coupling mechanism supported in a casing and that is operable to couple the pair of rotary members together. A piston is responsive to pressurized fluid generated by a pump to move between first and second positions thereby engaging the coupling mechanism. The pump has an outlet located in a direction away from the piston. An internal passage provides fluid communication between the outlet of the pump and an expandable chamber formed adjacent the piston. A control valve controls the flow of pressurized fluid from the pump between the sump and the expandable chamber.



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

(54) Title of the invention : TOUCH SCREEN PANEL

(51) International classification :G06F3/041,G06F1/16
 (31) Priority Document No :10-2010-0029017
 (32) Priority Date :31/03/2010
 (33) Name of priority country :Republic of Korea
 (86) International Application No :PCT/KR2011/002065
 Filing Date :25/03/2011
 (87) International Publication No :WO 2011/122797
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

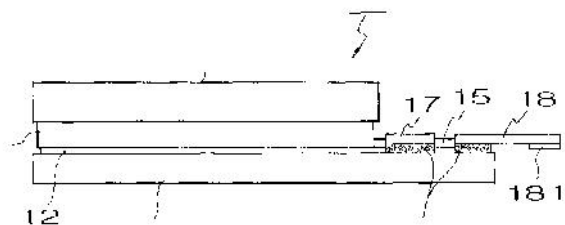
1)SAMSUNG ELECTRONICS CO., LTD.Address of Applicant :129, Samsung-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 443-742, Republic of KOREA

(72)Name of Inventor :

1)LEE Heon-Seok

(57) Abstract :

A touch screen panel is provided. The touch screen panel includes an Indium Tin Oxide (ITO) sensor glass layer a window glass layer mounted above the ITO sensor glass layer by means of an Optical Clear Adhesive (OCA) a conductive layer disposed between a surface of the window glass layer and a surface of the ITO sensor glass layer that includes an electrode pattern and a touch screen control unit mounted on one of the window glass layer surface and the ITO sensor glass layer surface on which the conductive layer is mounted.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2727/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : A GAS-SELECTIVE MEMBRANE AND METHOD OF ITS PRODUCTION

(51) International classification	:G01M3/20
(31) Priority Document No	:12/757,611
(32) Priority Date	:09/04/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2011/055371
Filing Date	:06/04/2011
(87) International Publication No	:WO 2011/124618
(61) Patent of Addition 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 :Hintergasse 15B, CH-7310 Bad Ragaz,
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(72)Name of Inventor :
1)SCHWARTZ, Vladimir
2)WETZIG, Daniel
3)CHERNOBROD, Boris
4)GROSSE BLEY, Werner

(57) Abstract :

A membrane selectively permeable to light gases comprises a membrane body formed by a first plate and a second plate. The second plate comprises a thin layer that is selectively gas permeable. In the region of windows this layer is exposed. There support is provided by a porous bottom wall in the first plate or by narrow bores in the second plate. A heating device causes a radiation heating of the windows.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2728/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : DEVICE FOR GASSING LIQUIDS

(51) International classification :B01F3/04,C02F3/20
(31) Priority Document No :10 2010 029 754.2
(32) Priority Date :07/06/2010
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/059290
Filing Date :06/06/2011
(87) International Publication No :WO 2011/154354
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)INVENT UMWELT- UND VERFAHRENSTECHNIK AG

Address of Applicant :Am Pestalozziring 21, 91058 Erlangen,
GERMANY

(72)Name of Inventor :

1)HÖFKEN, Marcus

(57) Abstract :

The invention relates to a device for gassing liquids in particular for aerating sewage and the like comprising a lower housing element (1) which has a substantially round opening area and a gas inlet port (24) a disc shaped upper housing element (10) corresponding to the opening area for covering the opening area the upper housing element (10) having an upper side (O) facing away from the lower housing element (1) and a number of gas through openings (13) being provided in the vicinity of a peripheral edge of the upper housing element (10) passing through the upper side (O) and a perforated gassing membrane (19) covering over the upper side (O) of the upper housing element (10).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2729/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : BATCH COOKER

(51) International classification	:A47J37/12
(31) Priority Document No	:61/309,299
(32) Priority Date	:01/03/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/026697
Filing Date	:01/03/2011
(87) International Publication No	:WO 2011/109405
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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OREGON 97132, UNITED STATES OF AMERICA

(72)Name of Inventor :

1)REESER, Devin

2)RUETER, David

(57) Abstract :

Batch cookers (50) as well as methods for cooking using the batch cookers are provided. A batch cooker (50) comprises a cooking trough (8) configured to hold a volume of heated cooking oil. An oil recirculation system (100) delivers heated cooking oil from an external heat source (28) (e.g. a heat exchanger) to the cooking trough (8) through a series of valves and inlets. After use in cooking used cooking oil is drained from the cooking trough (8) and filtered (e.g. using a drum filter) before being recirculated into the heat source (28) for reuse in subsequent cooking cycles. One application for the batch cooker of the present disclosure is to cook kettle style potato chips. Accordingly the batch cooker (50) is configured to facilitate the multiple cooking temperatures required to produce kettle chips.

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

(54) Title of the invention : NOVEL CELLULASE GENE

(51) International classification :C12N9/42,C12N1/15,C12N1/19
 (31) Priority Document No :NA
 (32) Priority Date :NA
 (33) Name of priority country :NA
 (86) International Application No:PCT/JP2010/055897
 Filing Date :31/03/2010
 (87) International Publication No :WO 2011/121768
 (61) Patent of Addition to
 Application Number :NA
 Filing Date :NA
 (62) Divisional to Application
 Number :NA
 Filing Date :NA

(71)Name of Applicant :

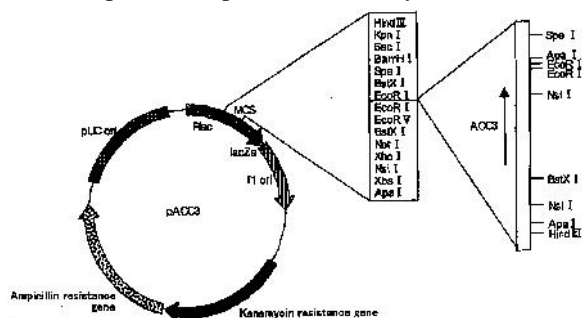
1)Meiji Seika Pharma Co., Ltd.Address of Applicant :4-16, Kyobashi 2-chome, Chuo-ku,
Tokyo 1048002 JAPAN

(72)Name of Inventor :

1)YOKOYAMA, Fumikazu

(57) Abstract :

An endoglucanase gene or a -glucosidase gene can be identified by isolating genomic DNA containing a gene for a cellulase that is classified as an endoglucanase or a - glucosidase from and analyzing the nucleotide sequence for the genomic DNA. Amino acid sequences for known endoglucanases and - glucosidases are compared with each other extensively and an amino acid sequence which can be conserved in is found. Based on the information for the amino acid sequence various primers are designed. Using the various primers thus designed a PCR is carried out employing genomic DNA or cDNA as a template. As a result fragments of genes for endoglucanases and genes for - glucosidases can be obtained. Primers are designed based on the gene fragments the PCR is continued using the primers to amplify each of a total of nine endoglucanase and - glucosidase genes and the nucleotide sequences for the amplification products are analyzed.



No. of Pages : 61 No. of Claims : 81

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2611/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :12/09/2012

(43) Publication Date : 07/06/2013

(54) Title of the invention : NOVEL BENZAMIDE DERIVATIVES

(51) International classification :C07D211/16,C07D211/26,A61K31/435
(31) Priority Document No :10-2010-0038039
(32) Priority Date :23/04/2010
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2011/002759
Filing Date :18/04/2011
(87) International Publication No :WO 2011/132901
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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2)IM,Weon-Bin
3)CHOI,Sung-Hak
4)CHOI,Sun-Ho
5)SOHN,Ju-Hee
6)SUNG,Hyun-Jung
7)KIM,Mi-Yeon
8)CHO,Kang-Hun
9)SOHN,Tae-Kyoung

(57) Abstract :

The present invention provides a novel benzamide derivative or a pharmaceutically acceptable salt thereof, a method for preparing the same, and a 5-HT4 receptor agonist containing the same as an active ingredient. Benzamide derivatives of the present invention have a superior affinity for 5-HT4 receptors, a capability to reduce a gastric emptying time and a low toxicity, and consequently are therapeutically effective for the treatment of a variety of diseases associated with 5-HT4 receptors.

No. of Pages : 41 No. of Claims : 19

(54) Title of the invention : RESIN COMPOSITION, SYNTHETIC RESIN SHEET, SYNTHETIC RESIN MOLDED ARTICLE, AND SYNTHETIC RESIN LAMINATE

(51) International classification:C08L101/00,C08K3/04,C08K7/00

(31) Priority Document No :2010-069277

(32) Priority Date :25/03/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/056612

Filing Date :18/03/2011

(87) International Publication No :WO 2011/118535

(61) Patent of Addition 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 :4-4,Nishitemma 2-chome,Kita-ku,Osaka-shi,Osaka 5308565 JAPAN

(72)Name of Inventor :

1)TAKAHASHI Katsunori

2)INUI Nobuhiko

3)NAGATANI Naoyuki

4)MUKOHATA Daisuke

5)TANIGUCHI Kouji

6)NARUTA Mitsuru

(57) Abstract :

Disclosed is a resin composition, with which a molding process is easy, and a synthetic resin molded article having a high mechanical strength such as a tensile elastic modulus, good appearance such as surface smoothness, and excellent dimensional stability can be obtained. The resin composition is characterized by comprising a synthetic resin and flaked graphite which is a laminate of graphene sheets, comprises 150 or less layers of graphene sheets, and has an aspect ratio of 20 or more. Accordingly, the resin composition has excellent moldability and can be molded into a synthetic resin molded article in a desired shape by a commonly used molding method.

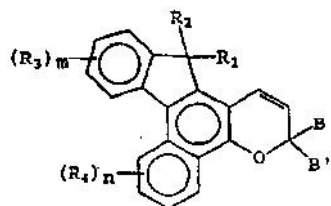
No. of Pages : 55 No. of Claims : 14

(54) Title of the invention : NAPHTHOPYRAN COMPOUNDS USEFUL FOR PHOTOCHROMIC ARTICLES

(51) International classification	:C08K 005/15	(71)Name of Applicant :
(31) Priority Document No	:08/932993	1)PPG. INDUSTRIES OHIO INC.
(32) Priority Date	:13/10/1995	Address of Applicant :3800 WEST 143RD STREET,
(33) Name of priority country	:U.S.A.	CLEVELAND OHIO 44111 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)GEMERT BARRY VAN
(87) 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 :

1. A process for preparing a naphthopyran compound represented by the following graphic formula: where it., (a) R1 and R2 together form an oxo group, a spiro heterocyclic group having 2 oxygen atoms and from 3 to 6 carbon atoms including the spirocarbon atom, or R1 and R2 are each hydrogen, hydroxy, C1-C6 alkyl, C3-C7 cycloalkyl, allyl, phenyl, mono-substituted phenyl, benzyl, mono-substituted benzyl, chloro, fluoro, the group, -C(0)W, wherein W is hydroxy, C1-C6 alkyl, C1-C6 alkoxy, phenyl, mono-substituted phenyl, amino, mono(C1-C6)alkylamino, or di (C1-C6)alkylamino, or R1 and R2 are each the group, -OR5, wherein R5 is C1-C6 alkyl, phenyl C1-C3 alkyl, mono(C1-C6)alkyl substituted phenyl (C1-C3) alkyl, mono(C1-C6) alkoxy substituted phenyl (C1-C3) alkyl, C1-C6 alkoxy (C2-C4) alkyl, C3-C7 cycloalkyl, mono(C1-C4)alkyl substituted C3-C7 cycloalkyl, C1-C6 coloroalkyl, C1-C6 fluoroalkyl, allyl, the group, -CH(R6) .



No. of Pages : 47 No. of Claims : 5

PUBLICATION U/S 37(3) RULE 81(3)(A) IN RESPECT OF POST GRANT AMENDMENTS (DELHI)

This office has received application for seeking/allowing amendments in specification of patents through Form-13 [Section 37(3) Rule 81(3)(a) of The Patent Act,1970]. Applicant has mentioned the reason for amendments and declaration as to no infringement or revocation proceedings are pending before any Court or Appellate Board. As the proposed amendments are substantive in nature, the nature of such requested amendments are hereby published. Any person interested in opposing the application for amendments shall give a notice of opposition in Form-14 within three months from the date of this publication to the controller at the appropriate office.

S No	Patent No.	Patent application No	Nature of the proposed amendment	Substance of the proposed amendment	Appropriate Office
1	233919	3782/DELNP/2005	By way of correct of typographical errors	In claims, page No 4, 5 and Abstract Term pKa be replaced with term pH	DELHI
2	196833	1081/DEL/1999	By way of correct of typographical errors.	In claim 1 and page No 12 the percentage thickness of skin layer-2 is corrected to 2 to 15% of total thickness	DELHI

Publication Under Section 43(2) in Respect of the Grant

Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.

Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	194009	1090/DEL/1995	14/06/1995		A LUBRICATING COMPOSITION AND METHOD FOR PREPARING THE SAME	THE LUBRIZOL CORPORATION		DELHI
2	256309	4411/DELNP/2005	18/11/2003	07/04/2003	A METHOD CONTROLLING A TRANSMISSION FLOW RATE	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	31/08/2007	DELHI
3	256311	3350/DEL/2005	13/12/2005	13/12/2004	A METHOD, A WIRELESS USER DEVICE AND WIRELESS COMMUNICATION SYSTEM FOR PROCESSING TEXT MESSAGES	Motorola Mobility LLC	17/02/2006	DELHI
4	256312	3387/DEL/2005	16/12/2005	21/12/2004	HEAD-PROTECTING AIRBAG APPARATUS	TOYODA GOSEI CO., LTD.	02/10/2009	DELHI
5	256318	5366/DELNP/2008	10/01/2006	10/01/2006	LAMINATE OF THERMOPLASTIC POLYMER COMPOSITON HAVING LOW AIR PERMEABILITY AND PNEUMATIC TIRE USING SAME AS INNER LINER	THE YOKOHAMA RUBBER CO., LTD, EXXONMOBIL CHEMICAL PATENTS INC	08/08/2008	DELHI
6	256320	3774/DELNP/2006	29/12/2004	30/12/2003	CHAIR COMPRISING A SEAT FRAME WITH TILT LOCK MECHANISM	HNI TECHNOLOGIES INC.	22/06/2007	DELHI
7	256322	1510/DELNP/2006	19/10/2004	23/10/2003	A CRTH2 ANTAGONIST OR PRODRUG THEREOF	OXAGEN LIMITED	23/02/2007	DELHI
8	256323	939/DELNP/2007	11/08/2005	11/08/2004	A SOLID LAUNDRY DETERGENT COMPOSITION	THE PROCTER & GAMBLE COMPANY	03/08/2007	DELHI
9	256325	409/DEL/2007	26/02/2007 16:58:53	01/03/2006	A METHOD AND SYSTEM FOR DETERMINING THE SENSITIVITY OF A RADIATED RF RECEIVER	RESEARCH IN MOTION LIMITED	06/04/2007	DELHI
10	256330	624/DELNP/2003	03/10/2001	03/10/2000	COMMUNICATION ARRANGEMENT	TELEMEDIA GROUP PTY LTD	26/03/2010	DELHI
11	256331	2064/DEL/2005	03/08/2005		A SYSTEM FOR COMPUTER ASSISTED EXPERIMENTATION FOR HEAT AND A METHOD THEREOF	NIIT LIMITED	31/07/2009	DELHI

12	256334	2582/DELNP/2004	10/03/2003	25/03/2002	DIGITAL DISPLAY DEVICE SERVING TO DISPLAY A VIDEO IMAGE DURING A VIDEO FRAME	THOMSON LICENSING S.A	09/10/2009	DELHI
13	256336	2402/DELNP/2006	30/09/2003	30/09/2003	A METHOD OF FORMING A FLEXIBLE CHIP STACKED CHIP ASSEMBLY AND A FLEXIBLE CHIP STACKED CHIP ASSEMBLY THEREOF	INTERNATIONAL BUSINESS MACHINES CORPORATION.	03/08/2007	DELHI
14	256339	657/DEL/2006	10/03/2006		NOVEL CARBON SUPPORTED ACTIVATED ALUMINA ABSORBENT USEFUL FOR THE REMOVAL OF FLUORIDE IONS FROM WATER AND A PROCESS FOR THE PREPARATION THEREOF	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	26/08/2011	DELHI
15	256340	1219/DEL/2003	30/09/2003		AN IMPROVED STRUCTURE OF A DUAL SURFACE OPTICAL DISC.	ONID TECHNOLOGY CORP.	23/06/2006	DELHI
16	256347	480/DEL/1997	25/02/1997	07/03/1996	ASYNCHRONOUS DATA PIPE CONFIGURED FOR COUPLING BETWEEN AN APPLICATION AND A BUS STRUCTURE	SONY ELECTRONICS, INC.	24/06/2005	DELHI
17	256348	730/DEL/2005	31/03/2005		A PROCESS FOR THE PREPARATION OF WATER-SOLUBLE CHILI COLORANT FORMULATION HAVING INCREASED FADING-RESISTANCE TO UV LIGHT	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	19/06/2009	DELHI
18	256354	1365/DEL/2005	27/05/2005	18/06/2004	A VEHICLE HAVING A CHASSIS AND AT LEAST ONE WHEEL ASSEMBLY	BOSE CORPORATION	11/05/2007	DELHI

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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	256314	240/MUMNP/2008	21/08/2006	31/08/2005	GREENHOUSE AND FRAMEWORK CONSTRUCTION METHOD OF GREENHOUSE	ODE TAKEHISA	29/02/2008	MUMBAI
2	256315	471/MUMNP/2008	16/01/2007	17/01/2006	SEALING ARRANGEMENT	JUNG ALFRED	27/06/2008	MUMBAI
3	256338	1772/MUM/2007	14/09/2007		A MOUNTING ASSEMBLY FOR MOUNTING TRIM ON SHEET PANEL OF A VEHICLE	TATA MOTORS LIMITED	30/05/2008	MUMBAI
4	256349	793/MUM/2005	05/07/2005		A SIMPLE AND EFFICIENT PROCESS FOR THE SYNTHESIS OF TRANDOLAPRIL	CIPLA LIMITED	01/06/2007	MUMBAI
5	256350	1840/MUM/2007	05/02/2003		A NOVEL PHARMACEUTICAL COMPOSITION OF STATIN WITH DMARDS	IPCA LABORATORIES LIMITED	26/06/2009	MUMBAI
6	256351	2738/MUMNP/2008	13/03/2008	14/03/2007	COLA BEVERAGES	THE CONCENTRATE MANUFACTURING COMPANY OF IRELAND	13/02/2009	MUMBAI
7	256352	2123/MUM/2007	26/10/2007		TACKLE FOR LIFTING AND MOVING VEHICLE	TATA MOTORS LIMITED	14/12/2007	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	256310	1880/CHENP/2004	28/02/2003	28/02/2002	CERAMIC PACKING ELEMENT	SAINT-GOBAIN CERAMICS & PLASTICS, INC.	23/06/2006	CHENNAI
2	256313	2472/CHE/2006	29/12/2006		METHOD FOR QUICK DETECTION OF LAYER 3 LINK IDENTITY IN A COMMUNICATION SYSTEM	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	28/11/2008	CHENNAI
3	256324	5735/CHENP/2007	30/03/2004	13/12/2007	A MOBILE COMMUNICATION TERMINAL	SONY CORPORATION	11/09/2009	CHENNAI
4	256328	2558/CHENP/2006	05/01/2005	15/01/2004	A METHOD FOR AN ACCESS POINT TO EMULATE A STANDARD TRANSMISSION	KONINKLIJKE PHILIPS ELECTRONICS N.V.	08/06/2007	CHENNAI
5	256329	4370/CHENP/2006	14/04/2005	28/05/2004	WIPER BLADE	ROBERT BOSCH GmbH	15/06/2007	CHENNAI
6	256332	5508/CHENP/2007	30/12/2003	31/12/2002	A WATER CIRCULAR SYSTEM	MEDORA ENVIRONMENTAL, INC.	28/03/2008	CHENNAI
7	256333	1298/CHENP/2003	20/02/2002	21/02/2001	A PROCESS FOR PREPARING D-PANTOTHENIC ACID AND/OR SALTS THEREOF	BASF AKTIENGESELLSCHAFT	14/08/2009	CHENNAI
8	256335	3560/CHENP/2006	29/03/2005	31/03/2004	YARN CONSISTING OF REINFORCING FIBRE FILAMENTS AND A RESIN, PREFORM AND A METHOD FOR PRODUCING THE PREFORM	TOHO TENAX EUROPE GMBH	22/06/2007	CHENNAI
9	256337	2460/CHE/2006	29/12/2006		METHOD OF ROUTE OPTIMIZATION BETWEEN MOBILE NODE AND ROAMING HOME AGENT IN MOBILE INTERNET PROTOCOL VERSION 6 NETWORK	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	28/11/2008	CHENNAI
10	256341	524/CHENP/2006	14/07/2004	12/08/2003	VIDEO ENCODING AND DECODING METHODS AND CORRESPONDING DEVICES	TRIDENT MICROSYSTEMS (FAR EAST) LTD.	06/07/2007	CHENNAI

11	256342	3203/CHENP/2008	21/12/2006	23/12/2005	A PROCESS FOR RECOVERING RUTHENIUM FROM SPENT CATALYSTS COMPRISING RUTHENIUM OXIDE	BASF SE	06/03/2009	CHENNAI
12	256343	5236/CHENP/2007	16/05/2006	19/05/2005	HYDROGEN PEROXIDE SOLUTION FOR STERILIZATION	MITSUBISHI GAS CHEMICAL COMPANY, INC	25/01/2008	CHENNAI
13	256344	1467/CHE/2004	31/12/2004		METHOD FOR MANAGING ACTIVITIES AND PROVIDING AN ALERT IN GLOBAL POSITIONING SYSTEM (GPS) ENVIRONMENT	SAMSUNG INDIA SOFTWARE OPERATIONS PVT. LTD.	22/06/2007	CHENNAI
14	256345	6011/CHENP/2007	29/05/2006	27/05/2005	CONTROLLER FOR WALKING ASSISTANCE DEVICE	HONDA MOTOR CO., LTD.	27/06/2008	CHENNAI
15	256353	4783/CHENP/2006	22/06/2005	28/06/2004	PIPERIDINE COMPOUNDS	SYNGENTA PARTICIPATIONS AG	29/06/2007	CHENNAI

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1	256316	3647/KOLNP/2007	15/03/2006	29/03/2005	A STABLE CAPSULE WITH A HYDROPHILIC COMPONENT IN A HYDROPHOBIC MEDIUM	MCNEIL-PPC, INC	30/05/2008	KOLKATA
2	256317	2571/KOLNP/2006	24/03/2005	24/03/2004	METHOD OF COLLECTING GROUND VIEW IMAGES OF OBJECTS AT GEOGRAPHIC LOCATIONS AND SYSTEM THEREFOR	A9.COM,INC	01/06/2007	KOLKATA
3	256319	1529/KOLNP/2006	06/05/2005	06/05/2004	METHOD FOR RECEIVING POINT-TO-MULTIPOINT SERVICE IN MOBILE TERMINAL OF WIRELESS COMMUNICATION SYSTEM AND METHOD FOR TRANSMITTING POINT-TO-MULTIPOINT SERVICE FROM NETWORK OF WIRELESS COMMUNICATION SYSTEM	LG ELECTRONICS, INC.	04/05/2007	KOLKATA
4	256321	985/KOLNP/2003	01/02/2002	02/02/2001	METHOD FOR COMPRESSING/DECOMPRESSING A STRUCTURED DOCUMENT	EXPWAY	15/07/2005	KOLKATA
5	256326	196/KOL/2008	04/02/2008	12/02/2007	A TRANSMISSION FOR A HYBRID VEHICLE	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	22/08/2008	KOLKATA
6	256327	768/KOL/2006	01/08/2006	26/08/2005	RUBBER COMPOSITION FOR SIDE WALL	SUMITOMO RUBBER INDUSTRIES, LTD.	29/06/2007	KOLKATA
7	256346	3040/KOLNP/2007	13/12/2005	07/02/2005	STABLE TOOTH WHITENING GUM WITH REACTIVE INGREDIENTS	KRAFT FOODS GLOBAL BRANDS, LLC	30/11/2007	KOLKATA

CONTINUED TO PART- 2