

पेटेंट कार्यालय  
का  
शासकीय जर्नल

**OFFICIAL JOURNAL  
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शुक्रवार  
**FRIDAY**

दिनांक: 17/05/2013  
**DATE: 17/05/2013**

पेटेंट कार्यालय का एक प्रकाशन  
PUBLICATION OF THE PATENT OFFICE

## **INTRODUCTION**

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

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

17<sup>th</sup> MAY, 2013

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**THE PATENT OFFICE  
KOLKATA, 17/05/2013**

**Address of the Patent Offices/Jurisdictions**

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

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

Website: [www.ipindia.nic.in](http://www.ipindia.nic.in)  
[www.patentoffice.nic.in](http://www.patentoffice.nic.in)

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

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

**पेटेंट कार्यालय**  
**कोलकाता, दिनांक 17/05/2013**  
**कार्यालयों के क्षेत्राधिकार के पते**

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

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

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

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

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

## **SPECIAL NOTICE**

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

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

Notice is also given that if any interested person requests for copies of the complete specification, drawing and abstract of any application already published, the photocopy of the same can be supplied by the Patent Office as per the jurisdiction on payment of prescribed fees of Rs.4/- per page. If any further details are required to be obtained, the same can be provided by the respective Patent Offices on request.

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

## **SPECIAL NOTICE**

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

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

## **SPECIAL NOTICE**

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

## **Early Publication:**

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1693/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :01/06/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : POLLINATE

(51) International classification

:A01K

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)AMIT SHARMA**

Address of Applicant :H.NO.249, ST.NO.4, MADAN PURI,  
GURGAON-HR-122 001. Haryana India

(72)Name of Inventor :

**1)AMIT SHARMA**

(57) Abstract :

When barley and Natural pearl (diploid cells &Nacre-secreting cells) swallow by the more than one month pregnant woman, amylase enzyme travel with this formula, amylase enzymes comes from the mouth of every human. Amylase enzymes helps in digestion by breaking the food in stomach. Amylase and saliva both travel with capsule then passes into the stomach through the tube like structure called oesophagus, Here its get missed with the digestive juice present in the stomach called gastric juice. Gastric juice also contain small amount of an acid called hydrochloric acid which makes it acidic in nature mixing of food with the gastric juice converts the food in a thin soup like consistency. Gastric juice contains enzyme which acts an proteins and brings about their partial digestion. Other nutrients in food remain chemically unchanged. Due to this process of unchanged, my invented dose i.e. Diploid cells & nacre - secreting cells travel towards yolk-sac around the fetus as it is the cells. As these cells does not digest due to unchanged process. When these cells reached to yolk- sac around fetus, Diploid cells & Nacre-secreting cells and sperms available in yolk-sac and in fetus all meet in fetus and unite to form a single cell as well as egg, generate a current in sperms during the meeting of these all cells, as well as which current generates during between amavasaya(no moon night) to puranmashi (full moon night) in sea at the making time of pearl. This is the reason that pearl has unique cells in world who only can do this process in womb similarly like in happens in sea. This occurred current insists the superbug to leave the sperms/chromosomes it get burn like in boiling water. This is the reason this formula tried to take in days when moon is starting big from no moon nights, reason is that, in these days Nacre-Secreting cells moves faster than other days, due to this super fast movement in fetus they can generate current better to get out super bug. When this super bug leaves the chromosomes, the hormonal system of pregnant woman get started producing normal to high level of estrogen . When chromosomes get normal to high level of estrogen, they get started the collecting the sequential keeping record from each other chromosomes, this record decides that which chromosome has turn to generate the gender either X or Y, nothing third gender, after done this whole process no one defected chromosome can generate the gender. Like in some cased hijra/Kinner gender takes birth. This whole process can allow to only X or Y chromosome to generate the gender as per turn, its dont allow to generate any third gender, which I have clear and repeat again. This whole process should be start immediate after the completion of one months pregnancy and should be complete before 75 days of pregnancy. One dose should be give after 30 days of pregnancy, second dose should be between 60 days to 75 days and third and final dose should be on near by 75 days.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1291/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :26/04/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : STAMPING FOIL HAVING TRANSFERABLE MEDIUM FOR APPLYING ON TO SUBSTRATES

(51) International classification	:A42C	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)CHATURVEDI, ASHOK</b>
(32) Priority Date	:NA	Address of Applicant :305, III FLOOR, BHANOT CORNER,
(33) Name of priority country	:NA	PAMPOSH ENCLAVE, GK-1, NEW DELHI-110048 India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)CHATURVEDI, ASHOK</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 disclosure generally relates to stamping foils, and, more particularly to stamping foils having transferable medium for being transferred onto substrates, such as woven and nonwoven textiles, natural or artificial leathers etc, to generate specific pattern thereon in order to produce decorative clothing..

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3406/DEL/2012 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : A NOVEL POTENT 1,2,4-TRIAZOLE BASED ANTIFUNGAL COMPOUND

(51) International classification	:C07D	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)INDIA PESTICIDES LIMITED, LUCKNOW, INDIA</b>
(32) Priority Date	:NA	Address of Applicant :INDIA PESTICIDES LTD., WATER
(33) Name of priority country	:NA	WORKS ROAD, AISHBAGH, LUCKNOW-226004 Uttar
(86) International Application No	:NA	Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)MR. ANAND SWARUP AGARWAL</b>
(61) Patent of Addition to Application Number	:NA	<b>2)MR. D.K.JAIN</b>
Filing Date	:NA	<b>3)DR. K. ADEPPA</b>
(62) Divisional to Application Number	:NA	<b>4)PROF. KRISHNA MISRA</b>
Filing Date	:NA	

(57) Abstract :

In order to overcome the resistance problem, a new effective 1,2,4-triazole derivative, 4,4-(di-O-l-carbothioyl)-1,2,4-triazolyl-curcumin(VI) has been designed , synthesized and tested to be more than 3 times potent against the pathogenic fungi Aspergillus niger and Candida albicans as compared to the marketed drug, fluconazole. Ten molecules were designed through docking as inhibitors of fungal sterol 14 -demethylase (CYP51) a target enzyme for triazoles, out of which six were selecte as best scores. These six new 1,2,4-triazole derivates has been synthesized, characterized and found to be 2-3times more active than Fluconazole.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.645/DEL/2012 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : WIND TURBINE

(51) International classification

:B64D

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)VIKRAM SINGH**

Address of Applicant :S/O-SH. VIJAY KUMAR, V.P.O.

GUBHANA, TEH.: BAHADURGARH, DIST. JHAJJAR,  
STATE-HARYANA-124507, INDIA.

**2)KAPIL CHHILLAR**

(72)Name of Inventor :

**1)VIKRAM SINGH**

**2)KAPIL KUMAR**

(57) Abstract :

The invention relates to the field of turbine devices particularly to wind turbines having a vertical axis rotation. Particularly, the invention relates to a specific construction of Savonius rotor blade, a particular Savonius vertical axis wind turbine (VAWT) rotor. In particular, because of the unique construction of the blades according to the present invention, a multi bladed 'Savonius' rotor is provided, which can be expected to operate much more smoothly and effectively than conventional two bladed Savonius rotors, and with a higher maximum power coefficient ( $C_p$ ) than known Savonius rotors. The VAWT (vertical axis wind turbine) of the present invention enables to reduce the swept area automatically proportional to the rpm(round per minute) of the rotor i.e. increase air speed reducing the swept which comes into the action after a specified speed.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.356/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :08/02/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : PYRROLOQUINOLINE ALKALOIDS AND PROCESS FOR THE PREPARATION THEREOF

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

(57) Abstract :

The invention relates to novel compounds with potential anti malarial activity. The invention particularly relates to novel anti malarial compounds and process of synthesis thereof. This invention also discloses, for the first time, the process for the synthesis of known antimalarial natural products marinoquinazolinone A-F, aplidiopsamine A and their potential antimalarial analogues.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.751/DEL/2013 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : FORMATTING SYSTEM AND METHOD FOR PRODUCING A STANDARDIZED RESUME

(51) International classification	:G06C
(31) Priority Document No	:13/784,114
(32) Priority Date	:04/03/2013
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
**1)MURALI G TAKLPATI**  
Address of Applicant :501, GRAY MARBLE ROAD  
MORRISVILLE, NC - 27560 U.S.A.  
(72)**Name of Inventor :**  
**1)MURALI G TAKALPATI**

(57) Abstract :

The present invention is a system for taking a resume up loading it to the internet to produce a new resume which is reformatted to desired format.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1174/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :28/03/2013

(43) Publication Date : 17/05/2013

(54) Title of the invention : A METHOD AND DEVICE FOR POWER GENERATING BY POWER DISTRIBUTION

(51) International classification	:H02K57/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SUTARIYA KALUBHAI BHAGVANBHAI
(32) Priority Date	:NA	Address of Applicant :VILLAGE AT: RAMPARA; VIA:
(33) Name of priority country	:NA	DEVLA; TALUKA : DHARI, DIST: AMRELI, GUJARAT
(86) International Application No	:NA	(INDIA) PIN:- 365640.
Filing Date	:NA	2)MANSUKHBHAI MADHABHAI VAGHASIA
(87) International Publication No	: NA	3)MANSUKHBHAI UKABHAI RADADIYA
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SUTARIYA KALUBHAI BHAGVANBHAI
(62) Divisional to Application Number	:NA	2)MANSUKHBHAI MADHABHAI RADADIYA
Filing Date	:NA	3)MANSUKHBHAI UKABHAI RADADIYA

(57) Abstract :

A method and device for power generating by power distribution is semi automatic power generating device. In the present invention, manual start up is applied to run the main shaft by rope. Then the main shaft is transfer their motion by the belt drive to run dynamo and that dynamo is transfer their power to the motor and motor is used to transfer the continuous power to run the lamp or motor. In the present invention, only manual start up is required then there is no any external power is required to continuously run the device.

No. of Pages : 11 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1202/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :13/04/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : ONLINE APPARATUS TO IMPROVE THE EFFICIENCY AND PERFORMANCE OF SHELL AND TUBE HEAT EXCHANGERS

(51) International classification

:F28G13/00

(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)MOHAN NARHARI CHAVAN**

Address of Applicant :43, INDRAPRASHTHA, S. NO.

33/2/1, NEAR BEVERLY HILLS, PAN CARD CLUB AREA,  
BANER, PUNE-411045 Maharashtra India

(72)Name of Inventor :

**1)MOHAN NARHARI CHAVAN**

(57) Abstract :

The present invention provides a system for cleaning tubes of a shell and tube heat exchanger using a plurality of cleaning bodies having a first collector positioned upstream of the shell and tube heat exchanger for holding the cleaning bodies in a rest position, a first pump providing a circulation medium for pumping the cleaning bodies of the first collector into the shell and tube heat exchanger, a trap positioned downstream the shell and tube heat exchanger to arrest the cleaning bodies flowing therefrom, a counting system for counting of cleaning bodies flown out of the trap, an electronic controller monitoring and controlling the number of the cleaning bodies passing through the shell and tube heat exchanger, a second collector for sorting undersized cleaning bodies coming out of the trap and a second pump positioned downstream of the second collector to collect the undersized cleaning bodies.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1279/MUM/2013 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : AGARBATTI MACHINE (INCENSE STICK MACHINE).

(51) International classification	:B30B11/22	(71)Name of Applicant :
(31) Priority Document No	:NA	1)BHASKAR M. KARANDIKAR
(32) Priority Date	:NA	Address of Applicant :B-102, SOURABH SOCIETY, 1471
(33) Name of priority country	:NA	KARVENAGAR, PUNE 411052, MAHARASHTRA, INDIA.
(86) International Application No	:NA	2)RAMESH PATWARDHAN
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)BHASKAR M. KARANDIKAR
(61) Patent of Addition to Application Number	:NA	2)RAMESH PATWARDHAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In various religions incense sticks have different importance, in India most of the times prayer cant be completed without firing incense stick (agarbatti) & there are many more applications where it is used. In India incense sticks are produced by hands, sometimes it is also produced by machine but the machine accumulate much space & are quit costly plus there are more stuck ups in operation, requires more power. To overcome this scenario we have developed new compact machine working on screw extrusion mechanism to produce the incense stick as stated in description.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1321/MUM/2013 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : LEAKAGE PROOF ARRANGEMENT IN DRAUGHT RELIEF DAM

(51) International classification	:E02B3/10	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)THAKUR SHANKAR GOVIND</b>
(32) Priority Date	:NA	Address of Applicant :101 PUSPDARSHAN CHS, SHASTRI
(33) Name of priority country	:NA	NAGAR, DOMBIVLI WEST 421202 Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)THAKUR SHANKAR GOVIND</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to leakage proof and controlled water irrigation system in Draught Relief Summer Dam (DRSD) (Technical field) without any Pump. Water storage remains upto winter crop end, whereas in existing system, water storage exhaust two months earlier. I) . Cement Concrete Wall 0.3M thick x 65 M long x height (variable) will be constructed at centre of earthen dam width. It restrict 90% leakage proof earthen dam. II) Collapsible Conical damper is at the inlet end of discharge pipe, controlled and restricts unnecessary water wastage 100%. III) Leakage proof between two Horizontal Channels, the water storing devices. The GAP between two channels is sealed with Jute cloth rapped with 2mm thick rubber sheet, with 5mm rubber wire to restrict water leakage 100%. IV) Leakage proof arrangement between pillars groove and horizontal channels. The gap of 25x100x3000mm sealed with wooden strip 17x 100x3000mm, rapped by rubber sheet 2x250x3000mm, alongwith Jute cloth prevents leakage 95%.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1212/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :28/03/2013

(43) Publication Date : 17/05/2013

(54) Title of the invention : NEUTRAL CURRENT COMPENSATOR FOR THREE - PHASE, STAR CONNECTED, UNBALANCED LINEAR AND NONLINEAR LOADS

(51) International classification	:H02J3/18	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)Shreem Electric Limited</b>
(32) Priority Date	:NA	Address of Applicant :Plot No. 43-46, L. K. Akiwate
(33) Name of priority country	:NA	Industrial Estate, Jaysingpur (Dist. Kolhapur) , Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)Vilas Rajaram Kanetkar</b>
(87) International Publication No	: NA	<b>2)Kumar Eknath Shinde</b>
(61) Patent of Addition to Application Number	:NA	<b>3)Nagesh Iragounda Dhang</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a neutral current compensator for three-phase, star connected unbalanced linear and nonlinear loads. The neutral current compensator having a plurality of primary windings and a plurality of secondary windings. The primary windings have a star connection therebetween. Each of the primary windings is connected to separate phase of the three phase supply. The secondary windings are magnetically coupled with the respective primary winding to configure three single-phase transformers. The secondary windings have series connection therebetween. One end of the secondary windings having series electrically connected is to the common point of primary windings with star connection, other end connected to a load neutral which is connected to unbalance load. A common connection from the primary windings and the secondary windings is either connected to a supply neutral point or to earth.

No. of Pages : 35 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1332/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :08/04/2013

(43) Publication Date : 17/05/2013

(54) Title of the invention : COGNITIVE MANIPULATION OF X.509 CERTIFICATE TRUST STORE WHILE ADDING TRUSTED X.509 CERTIFICATE.

(51) International classification	:G06F21/20, H04L9/00	(71)Name of Applicant : <b>1)SULE SAURABH PRAKASH</b>
(31) Priority Document No	:NA	Address of Applicant :C-101, KONARK INDRAYU
(32) Priority Date	:NA	ENCLAVE, PHASE-I, NIBM, KONDHWA, PUNE, - 411048.
(33) Name of priority country	:NA	Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)SULE SAURABH PRAKASH</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides for cognitive manipulation of X.509 trust store as part of certificate management when adding a new X.509 trusted certificate to the trust store wherein an existing X.509 certificate in the trust store is deleted if the certificate management ascertains that the new X.509 certificate being added has an identical public key component as the existing X.509 certificate but with an expiry date after the expiry date of the existing X.509 certificate.

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

(54) Title of the invention : ROLLO DOLLO WHEAT SOYA ROTIS

(51) International classification	:A23L 1/10	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)MRS. PRADHNYA SUMEET GHONMODE</b>
(32) Priority Date	:NA	Address of Applicant :PLOT NO. 72, BANERJEE LAYOUT,
(33) Name of priority country	:NA	NAGPUR Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)MRS. PRADHNYA SUMEET GHONMODE</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 are rotis ready to eat or store as packaged commodity and made without using any preservatives which are not only having good protein content but also have high shelf life of six months to one year when stored under -18 to -20 °C and for ten days when stored in normal temperature. Wheat and soya grains in the ratio of 75%: 25% is grinded together to form coarse wheat soya flour which keeps the fibre content intact which is essential for good health and could be used for precooked and easy to serve product without any change in taste and quality of the rotis. The invented rotis have Protein- 7.50 gm/100 gms, Fat- 3.02 gm/100 gms, Carbohydrates- 3.02 gm/100 gms, Fiber- 49.48 gm/100 gms, Calorific Value- 255 Keal/100gms. The dough is prepared by addition of two teaspoon of desi ghee & calculated adequate amount of formulated water in coarse flour of wheat and soya grains grinded together in the stipulated ratio. The prepared dough is kept properly covered for half an hour for mixing and bonding of ingredients and then taken, pressed, turned and slammed till it softens and loosens followed by addition of formulated water at regular intervals followed by more turning and slamming for more oxidation unlike the traditional dough of wheat flour to increase its elasticity & gluten activity of the dough such that the dough more elastic and flowing. Dough is then kept duly covered again in the vessel for 10 minutes followed by slamming in a shallow vessel. The dough is then taken on the palms pre applied with sun flower oil & stretched & spread on an upturned earthen pot which is continuously heated on the gas stove wherein the earthen pot has to be pre-applied with oil i.e. sun flower oil. The dough is to be allowed to the heated for 2 minutes from both the sides so that it is cooked and if overheated on one side, then the other side is heated only for one minute. The roti which can be of any shape and size is then ready to be consumed or for storage for future use or storage as packaged commodity without using preservative and can be stored in an aluminium foil under - 20 °C for use within six months to one year and under normal temperature away from sunlight in air tight container for ten to fifteen days storage.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1579/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 17/05/2013

(54) Title of the invention : AIR FRESHENER DEVICE

(51) International classification	:B60H3/00, A61L9/00	(71)Name of Applicant : <b>1)Mr. Anupam Satpute</b> Address of Applicant :31, Dinprajahit Housing Society, Near Shree complex, Narendra Nagar, Nagpur, 440015 Maharashtra India <b>2)Dr. Devanand Satpute</b>
(31) Priority Document No	:NA	(72)Name of Inventor : <b>1)Mr. Anupam Satpute</b> <b>2)Dr. Devanand Satpute</b>
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides an air freshener composed of a diffuser of liquid fragrance contained in a replaceable bottle to be used on motor vehicle dashboard and AC vents. It is easily fastened over the horizontal or vertical grill of AC with the help of clip. The air freshener is provided with inside cylindrical shutter that operates with a knob for controlled fragrance dispersion. It has also provision to stop the fragrance dispersion at user<sup>TM</sup>s discretion and when the vehicle is not in use. The clip which holds the car vent grill is mounted both in horizontal or vertical position with respect to a suitable angle maintaining a correct working position. The invention is described in detail with the help of FIG 1 of sheet 1 showing front view of one of the preferred embodiment of the invention; FIG 2 of sheet 2 showing side view of one of the preferred embodiment of the invention, FIG 3 is a rear view of one of the preferred embodiment of the invention, Fig 4 is a top plan view of one of the preferred embodiment of the invention, Fig 5 showing shutter mechanism with knob provided in one of the preferred embodiment.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1602/MUM/2013 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : POULTRY BREEDING METHOD-REVOLUTIONARY GAVRAN

(51) International classification	:A01K 67/027; A01K67/02	(71)Name of Applicant : <b>1)MR.SANTOSH ANKUSH KANADE</b> Address of Applicant :G-105, SAIBAN ROAD, MIDC, AHMEDNAGAR-414111, MAHARASHTRA, INDIA
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)MR.SANTOSH ANKUSH KANADE</b>
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Poultry breeding method wherein High livability, meat and Egg Productivity by crossing both parent Stock ie. Busra Poultry Breed (Maharashtra) & Kaveri Poultry Breed .After selection of two different strains for breeding i.e. BUSRA and KAVERI, We cross the two strains by mating BUSRA males with KAVERI females and KAVERI males with BUSRA females and After testing the performance we select those males and females in both BUSRA and KAVERI whose progeny is the best. By using the best performing male of BUSRA and good in laying female of KAVERI, we firstly introduced new generation of pure deshi color bird (RG breed).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1649/MUM/2013 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : SOLAR POWERED HYBRID BICYCLE

(51) International classification	:B60L8/00, H01L31/042, B60K17/356	(71)Name of Applicant : <b>1)NORTH MAHARASHTRA UNIVERSITY</b> Address of Applicant :RAJIV GANDHI SCIENCE AND TECHNOLOGY COMMISSION, NORTH MAHARASHTRA UNIVERSITY CENTRE, C/O SCHOOL OF PHYSICAL SCIENCES, NORTH MAHARASHTRA UNIVERSITY PB 80, JALGAON, 425001 Maharashtra India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)DR. SUBHASH TULASHIRAM BENDRE</b>
(33) Name of priority country	:NA	<b>2)PROF. SUDHIR UMAJI MESHRAM</b>
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention describes a hybrid bicycle which is operated by pedaling and by electrical means wherein the electric energy is derived from a motor charged by solar energy using a solar panel or by electric current from a wall AC power unit. The solar panel is either fixed on the bicycle or alternatively is removed from the bicycle. The bicycle is capable of being charged by connecting to the solar panel even when the solar panel is not mounted on the bicycle.

No. of Pages : 25 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.1668/MUM/2013 A

(43) Publication Date : 17/05/2013

(54) Title of the invention : TRIPADA PARAS

(51) International classification	:H02J17/00	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)MR. TARANG RAMESHBHAI PATEL</b>
(32) Priority Date	:NA	Address of Applicant :37, JYOTI PARK SOCIETY, OPP.
(33) Name of priority country	:NA	SHALIGRAM BUNGLOWS-2, MOTERA ROAD, SABRMATI,
(86) International Application No	:NA	AHMEDABAD PIN CODE-385005. Gujarat India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)MR. TARANG RAMESHBHAI PATEL</b>
(61) Patent of Addition to Application Number	:NA	<b>2)MR. MITESH JAGDISHBHAI PATEL</b>
Filing Date	:NA	<b>3)MR. ARCHIT SHAILESHKUMAR PATEL</b>
(62) Divisional to Application Number	:NA	<b>4)MR. HIREN MUKESHBHAI DUDHAT</b>
Filing Date	:NA	

(57) Abstract :

A new Invention about generation of power (electrical) using unwanted Electromagnetic waves. It contains three modules. And every module is a chain of the method. First module is a one type of transducer which converts Electromagnetic energy to Electrical energy. It gives very low Dc output, which is enhanced by using specific circuit made by various components. Then second module works as a storage device, which is made up by different capacitors. And last module is about passive amplifier which enhances low Dc power to high Dc power. It works as a passive power generation circuit. By using this method we can operate low power consumption devices.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1681/MUM/2013 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : 'SHAVING DEVICE WITH SILICON OIL APPLICATION ON THE SINTERED PTFE ON ITS SHAVING EDGES.

(51) International classification	:B26B21/40, B26B21/60	(71) <b>Name of Applicant :</b> <b>1)DAHANUKAR DILIP S.</b>
(31) Priority Document No	:NA	Address of Applicant :SHREE SADAN, 4A,
(32) Priority Date	:NA	M.L.DAHANUKAR MARG MUMBAI 400026 Maharashtra
(33) Name of priority country	:NA	India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)DAHANUKAR DILIP S.</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention consists of a shaving device with a final layer of silicone oil coating on top of its PTFE coated edges. The silicone oil protects the PTFE layer from peeling and wearing out and thus enables the blade to give increased number of comfortable shaves.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3207/MUM/2012 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : AN IMPROVED PROCESS FOR THE DRYING OF WET CAKE AND CONDENSED THICK SPILLAGE USING TWO STAGE DRYER

(51) International classification	:A23L1/10; A23L 3/34	(71)Name of Applicant : <b>1)MOJJ ENGINEERING SYSTEMS LTD</b>
(31) Priority Document No	:NA	Address of Applicant :81-15/B, M.I.D.C. BHOSARI, PUNE-
(32) Priority Date	:NA	411026 Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)DHIRENDRA W. OKE</b>
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an improved process for the drying of wet cake and condensed thick stillage in a grain based distillery particularly obtained from Broken Rice as feed substrate, using two stage drying. The two stage drying includes steam tube bundle rotary drying followed by spin flash dryer/ pin mill type Attritor flash drying. The Dried Distillers Grain Soluble so obtained has particle size of 600-2000 microns substantially free from large agglomerates and 10-12% moisture content suitable for animal feed supplement/fish feed. The present invention also relates to the dryer/ equipments wherein the process of the invention may be carried out.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3208/MUM/2012 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : A SYSTEM AND METHOD FOR BROADCASTING AN AUDIO-VISUAL CONTENT ON A TELECOMMUNICATION APPARATUS

(51) International classification	:H04L29/00
(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)FEROZ HAMID KHAN**  
Address of Applicant :MUMTAZ MANZIL, PLOT NO- 1939,  
NEAR BABA TAJ MEDICAL STORE, YASHODHARA  
NAGAR SQUARE, NAGPUR 440026, MAHARASHTRA,  
INDIA

(72)Name of Inventor :  
**1)KHAN, FEROZ HAMID**

(57) Abstract :

A method and system for broadcasting an audio-visual content prior to establishing a telephonic call on a telephone apparatus between a caller and calle in a telecommunication network is disclosed herein. According to the method and system of the invention, a plurality of audio-visual content along with demographic profiles of each user of the telephone apparatus are stored in the first and profile databases respectively wherein the demographic profiles further consist a set of attributes. The system further configured a home location identification module to retrieve home-location from a home-location register (HLR) of the base-station. The said attributes and identified location further enables an AD-RC processing unit to play the-audiovisual -content selected from the content database-on-the-telephone apparatus of the caller until the calle response to the call request by picking-up a telephonic receiver.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3230/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :07/11/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : DIESEL-CNG / LPG DUAL FUEL SYSTEM SUITABLE FOR AUTOMOTIVE APPLICATION, FOR DIESEL ENGINES WITH MECHANICAL FUEL PUMP AND CNG SYSTEM WITH MIXER TECHNOLOGY

		(71)Name of Applicant : <b>1)THE AUTOMOTIVE RESEARCH ASSOCIATION OF INDIA (ARAI)</b> Address of Applicant :S. NO. 102, VETAL HILL, OFF PAUD ROAD, KOTHRUD, PUNE- 411 038, MAHARASHTRA. India <b>2)VANAZ ENGINEERS LTD.</b>
(51) International classification	:F02M43/00	(72)Name of Inventor : <b>1)ARUN B. KOMAWAR</b> <b>2)NEELKANTH V. MARATHE</b> <b>3)SUKRUT S. THIPSE</b> <b>4)NAGESH H. WALKE</b> <b>5)UJJWALA S. KARLE</b> <b>6)PRASANNA G. BHAT</b> <b>7)KISHORE P. KAVATHEKAR</b> <b>8)SANDEEP D. RAIRIKAR</b> <b>9)PARAG G. MENGAJI</b> <b>10)KAUSHIK SINHA</b> <b>11)SURESH JAGANNATH VISPUTE</b> <b>12)AJIT VINAYAK KULKARNI</b>
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) 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 the development of a diesel-CNG dual fuel system for automotive applications, primarily for retro fitment purpose, for diesel engines with mechanical fuel pump and with the use of open loop (carbureted) CNG system. The mechanical accelerator pedal in the vehicle is replaced with an electronic accelerator pedal and the fuel lever position of the fuel pump is controlled with a linear / rotary electronic actuator. CNG is introduced in the intake air path so that the charge i.e.; CNG-air mixture is fed to the engine through the intake valve; no separate CNG injectors are used for CNG introduction. Hence, the engine can operate in dual-fuel mode or dedicated diesel mode which offers the flexibility of increased range particularly when CNG is not available. Following invention is described in detail with the help of FIGURE 1 of sheet 1 shows schematic arrangement of a dual fuel system in accordance with an embodiment of the present invention and FIGURE 2 of sheet 2 illustrates a schematic representation of an electronic control unit (ECU) of the engine.

No. of Pages : 14 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.866/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :24/03/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : A METHOD FOR THE PREPARATION OF RIVAROXABAN

(51) International classification	:C07D413/12, C07D409/12, C07D265/32	(71)Name of Applicant : <b>1)INTAS PHARMACEUTICALS LIMITED</b> Address of Applicant :INTAS PHARMACEUTICALS LIMITED, 2ND FLOOR, CHINUBHAI CENTRE, ASHRAM ROAD, AHMEDABAD 380009, GUJARAT, INDIA
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)DESAI SANJAY JAGDISH</b>
(33) Name of priority country	:NA	<b>2)KUMAR NIRMAL</b>
(86) International Application No	:NA	<b>3)SHAH AAKASH MAHESHKUMAR</b>
Filing Date	:NA	<b>4)PADA RANJIT SHARDULBHAI</b>
(87) International Publication No	: NA	<b>5)MAKWANA HITESH MANUBHAI</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided herein is process for preparation of rivaroxaban and intermediates thereof.

No. of Pages : 16 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1577/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 17/05/2013

(54) Title of the invention : 'A HAIR CARE COMPOSITION AND A METHOD OF MANUFACTURING THE SAME

(51) International classification	:A61K 36/00; A61K 8/97	(71) <b>Name of Applicant :</b> <b>1)GULSHAN SAHU</b> Address of Applicant :JHALMALA, POST: ADMABAD, DIST:BALOD (C.G) PIN: 491226 Chattisgarh India <b>2)SHASHIKANT YADAV</b>
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)GULSHAN SAHU</b>
(33) Name of priority country	:NA	<b>2)SHASHIKANT YADAV</b>
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates in general to hair care products and more particularly to a natural powdered hair care composition. The present invention provides a hair care composition, comprising 60% to 65% of regur soil, 15% to 20% of whey, 2% to 5% of lemon juice, 4% to 8% of shikakai, and 10% to 15% of reetha, by weight of the hair care composition. The invention further provides a method of manufacturing the hair care composition.

No. of Pages : 29 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1657/MUM/2013 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : HERBAL HAIR OIL FOR HAIR GROWTH AND TREATMENT.

(51) International classification	:A61K 36/00	(71)Name of Applicant : <b>1)DR. SHARVARI NARENDRA ANDHALKAR</b> Address of Applicant :DARESHWAR, RADHA-KRISHNA COLONY, STATION ROAD, VIDYANAGAR, KARAD, TAL- KARAD, DIST-SATARA, PIN CODE - 415110, MAHARASHTRA, INDIA.
(31) Priority Document No	:NA	<b>2)DR. PRAVIN GOUTAM ANPAT</b>
(32) Priority Date	:NA	(72)Name of Inventor :
(33) Name of priority country	:NA	<b>1)DR. SHARVARI NARENDRA ANDHALKAR</b>
(86) International Application No	:NA	<b>2)DR. PRAVIN GOUTAM ANPAT</b>
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to herbal hair oil for hair growth and treatment which contains effective proportions of Amalaki (Emblica officinalis), Guduchi (Tinospora cordifolia), Bhringraj (Eclipta alba), Japakusum (Hibiscus rosa), Shankpushpi (Convolvulus pluricaulis), Brahmi (Bacopa monniera), Priyangu (Callicarpa macrophylla), Bibhitaki (Terminalia belerica), Nirgundi (Vitex negundo) and Musta (Cyperus rotundas) along with cows milk which are added in sesame oil and coconut oil which are the base oils for this herbal hair oil. The present invention is highly beneficial by preventing hair fall and graying of hair. It also gives relief from stress, tension and sleeplessness. The present invention also improves the quantity and texture of hair by making them smooth and silky.

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

(54) Title of the invention : AN AUTOMATED INTERGRATED DOMESTIC WASTE TREATMENT AND DISPOSER [EKO BIN]

(51) International classification	:C02F 11/04; B09B 3/00	(71)Name of Applicant : <b>1)Dr. Anant B. Marathe</b> Address of Applicant :Amber Apartment H.V.P.M. Campus Near Ambadevi Temple Amravati - 444 605. Maharashtra India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)Dr. Anant B. Marathe</b>
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

Domestic waste mainly consists of three parts; biodegradables. packaging wrappers and carry bags like plastics and other combustibles which constitutes about 50% of municipal solid waste. Waste can be effectively economically and efficiently disposed off if treated at small quantity level. One who generates waste should principally dispose it off safely and eco-friendly. The segregated biodegradable house waste is shredded, mixed with water, the slurry is treated with microorganism under rapid mixing, creating turbulence to solubalise and degrade the solids. The sludge is settled and lean solution is decanted and drained out. The whole process is automatic. The concept and the design of hopper and lid. flush system, reciprocating pulsating Water column are feature of inventions. Packaging wrappers, carry bags and other non-biodegradable plastic waste is heated and turned to reduce volume by 95%. Other combustibles such as sanitary towels, used cleaning clothes are incinerated. Following invention is described in detail with the help of Figure 1 of sheet 1 showing design of ECO BIN. Figure 2 of sheet 2 showing design of pre-digester with feed hopper Figure 3 of sheet 3 showing design of gas burner and heating coil. Figure 4 of sheet 3 showing design of plastic processing unit.

No. of Pages : 16 No. of Claims : 20



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1827/CHE/2013 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : Method, System and Apparatus for Managing a Task Basket for Depositing, Pick, Execute and Earn

(51) International classification	:G06Q, G06F
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT//
Filing Date	:01/01/1900
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)Arun Kumar S**

Address of Applicant :No: 13, 6A Block, Nandi Gardens, JP  
Nagar 9th Phase, Anjanapura Post, Bangalore - 560062,  
Karnataka, India

(72)Name of Inventor :

**1)Arun Kumar S**

(57) Abstract :

According to an aspect of the present invention, green matrix world task basket connects human energy having ability to execute the tasks with the number of tasks requiring human power for executing, and vice-versa. The green matrix world task basket having a first database storing number of tasks submitted by number of task owners and each task is defined by first set of parameters and a first set of criteria, a second database storing number of profiles corresponding to number of task executors and having second set of parameters. The green matrix world task basket also comprises a match engine configured to compare first set of parameters and second set of parameters and suggests a set of tasks to a set of executors. According to another aspect, the green matrix world task basket binds the task owners and the task executors by an agreement thereby making both the parties legally accountable. According to another aspect, the green matrix world task basket restricts the executor to execute the task greenway thereby contributing to the environment.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1880/CHE/2013 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : ENHANCING THE TRUE POWER BY MORE THAN TWICE THE REACTIVE POWER

(51) International classification	:H02M	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)K.R. RAJEEV</b>
(32) Priority Date	:NA	Address of Applicant :R.G. HOUSE, UNNAVILA,
(33) Name of priority country	:NA	KULATHOOR, UCHAKKADA P.O., TRIVENDRUM 695 506
(86) International Application No	:NA	Kerala India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)K.R. RAJEEV</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Enhancing the true power by more than twice the reactive power.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1924/CHE/2013 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : COMPACT MOLDED INTERCONNECT DEVICE FOR AUTOMOTIVE APPLICATIONS

(51) International classification	:G08B, B60R	(71) <b>Name of Applicant :</b> <b>1)SATYAM-VENTURE ENGINEERING SERVICES PVT. LTD.</b>
(31) Priority Document No	:NA	Address of Applicant :1-8-301-306, 3RD FLOOR, ASHOKA
(32) Priority Date	:NA	MYHOME CHAMBERS, S.P. ROAD, SECUNDERABAD 500
(33) Name of priority country	:NA	003 Andhra Pradesh India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)ROSHAN KUMAR JHA</b>
(87) International Publication No	: NA	<b>2)J. BALA SUBRAMANYAM</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A compact molded interconnect device for automotive applications is disclosed. The electronic circuit laid on a molded plastic component of the compact molded interconnect device to activate and deactivate the electronic switching, dynamic sensing, electronic activation and electronic deactivation of the control unit. The electronic circuit laid on the molded plastic component comprising a laser direct structuring based electronic circuit.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1976/CHE/2013 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : COMPACTLY FABRICATED DISPOSABLE FUEL LAMP KIT

(51) International classification	:F21V	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)Y.V. NIRANJAN KRISHNA</b>
(32) Priority Date	:NA	Address of Applicant :138, AUDIAPPA STREET, CHENNAI
(33) Name of priority country	:NA	- 600 001 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)Y.V. NIRANJAN KRISHNA</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A compactly fabricated disposable fuel lamp kit comprises fabrication of fuel and cotton in which the cotton wick is rolled in the form of a dome bag and stuffed with gloopy fuel. This fabricated wick structure absorbs fuel internally from stuffed fuel inside the wick bag where there is no soaking of wick in fuel or overflowing of fuel unlike in a open lamp. The above said readymade compact fuel lamp kit is safe, easy to handle, transport and dispose.

No. of Pages : 8 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1997/CHE/2013 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : ELECTRIC POWER OPERATED SINGLE WHEELED MOTOR VEHICLE WITH A SUPPORTING WHEEL

(51) International classification

:B62K

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)ANAPALLY PRASANNA KUMAR**

Address of Applicant :H. NO: 6-2-361/1, SRINAGAR COLONY, N.G. COLLEGE BACKSIDE, HYDERABAD ROAD, NALGONDA - 508 001 Andhra Pradesh India

**2)MOHAMMAD ABDUL RIYAZ**

(72)Name of Inventor :

**1)ANAPALLY PRASANNA KUMAR**

**2)MOHAMMAD ABDUL RIYAZ**

(57) Abstract :

An exemplary embodiment of an electric power operated single/one wheeled motor vehicle is disclosed. The single/one wheeled motor vehicle includes a housing configured to accommodate one or more electrical energy storage units and a controller unit, one or more electrical energy storage units electrically coupled to a controller unit for transferring a predetermined amount of electric energy, a main wheel configured to accommodate one or more electric motors electrically coupled to the controller unit for receiving the predetermined amount of electric energy to propel the vehicle in a predetermined motion and an accelerator electrically coupled to the controller unit configured to be adjusted for distributing the predetermined amount of electric energy to ensure a smooth ride.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2369/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :14/06/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : POTABLE WATER PLUS TECHNOLOGY

(51) International classification

:C02F

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)P. DURAI PANDI**

Address of Applicant :S/O. K. PALPANDIAN, 88,  
SIVARAM NAGAR, THENI - 625 531 Tamil Nadu India

(72)Name of Inventor :

**1)P. DURAI PANDI**

(57) Abstract :

Potable water plus technology is the mechanism which helps to maintain the proper mineral level in the Reverse Osmosis process based purifier output drinking water. This new technology comprises a Mineral Maintainer & Mineral Monitor in the water purifier. Mineral maintainer is the switch which helps to maintain the proper minerals (pH & TDS) level in the output water. This monitor displays the actual level of pH & TDS in the treated output water as well as feed water TDS. If the mineral level is to be low, it will display in the mineral monitor and the user can increase the minerals and make water as a potable one or if the minerals level (pH & IDS) is to be high, the user can reduce the mineral level and make water as a potable one. So this technology helps to protect the people against all water born diseases, and this technology helps to make a HEALTHY WORLD.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.341/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : A PROCESS FOR THE PREPARATION OF A SURFACE ACTIVE, WATER BARRIER HOMOESTATIC COMPOUND

(51) International classification	:A01N33/12	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)PIJUSH DUTTA</b>
(32) Priority Date	:NA	Address of Applicant :116/1 VIVEKANANDA COLLEGE
(33) Name of priority country	:NA	ROAD, P.O.-THAKURPUKUR, KOLKATA-700063 WEST
(86) International Application No	:NA	BENGAL
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)PIJUSH DUTTA</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to the surface active water barrier Homoestatic agent, which is nonsteroidal, anti inflammatory compound. It is a pharmaceutically acceptable compound, nontoxic and surface active but stimulate parasympathetic & sympathetic nerve. This unique property is effective in mutlivarious diseases.

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

## **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.1439/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :19/05/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : BIOSYNTHESIS OF ZINC OXIDE NANOPARTICLES

(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)INDIAN COUNCIL OF AGRICULTURAL RESEARCH**

Address of Applicant :KRISHI BHAWAN, DR. RAJENDRA

PRASAD ROAD, NEW DELHI-110001 India

(72)Name of Inventor :

**1)NAVIN JAIN**

**2)ARPIT BHARGAVA**

**3)JITENDRA PANWAR**

(57) Abstract :

The invention provides a low cost and eco-friendly method for synthesis of zinc oxide nanoparticles. The method comprises incubation of cell-free filtrate of fungus with an aqueous solution comprises of precursor zinc ions.

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



(54) Title of the invention : A FILTRATION APPARATUS FOR THE REMOVAL OF OXIDES DURING THE PURIFICATION OF CADMIUM

(51) International classification

:C07C

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)DEPARTMENT OF INFORMATION TECHNOLOGY (DIT)**

Address of Applicant :MINISTRY OF COMMUNICATION AND INFORMATION TECHNOLOGY, 6, CGO COMPLEX, NEW DELHI-110003 India

**2)DEPARTMENT OF INFORMATION TECHNOLOGY (DIT)**

(72)Name of Inventor :

**1)NAGEGOWNIVARI RAMACHANDRA****MUNIRATHNAM****2)DUVVURI SATYANARAYANA PRASAD****3)TIRTHAHALLI LAKSHMAIAH PRAKASH**

(57) Abstract :

This invention provides a filtration apparatus, for the removal of oxides during purification of Cadmium, comprising (i) a quartz Chamber fixed with SS flange with appropriate O-ring on one side with inlet pipe for gas passage; (ii) a conical joint suitable for B-19 socket fused at the other side which sits vertically on a T shaped borosil glass tube with a gas outlet through a glass blubber for neutralization of the gas before venting it out; (iii) a filtration column, positioned vertically in the said quartz chamber, containing (a) a quartz tube, lined with a high purity carbon foil or graphite sheet for avoiding the quartz and cadmium oxide interaction thereby eliminating the chances of breakage of this quartz tube and having a quartz circular disc, with plurality of holes, uniformly distributed in order to secure high yield and purity, for permitting easy passage of melted cadmium and also for easy removal of left-over oxide deposit, at the bottom; (b) a cone with a suitable orifice fused on the other end of said quartz tube as mentioned in (a) here above; (c) a long quartz collection tube, along with quartz wool, placed beneath the said quartz tube for collection and easy removal of high purity filtered cadmium ingots, at the bottom and; (iv) a resistive, type heating furnace, surrounding the said filtration column, controllable by PID temperature controller for reliable control and operation of temperature to maintain the material in liquid form by maintaining a uniform temperature profile from top to bottom in the filtration column.

No. of Pages : 23 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3192/DEL/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : ENDOSCOPIC RETRIEVAL BASKETS

(51) International classification	:F03B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)RAHUL DAGA</b>
(32) Priority Date	:NA	Address of Applicant :13/4, NEHRU ENCLAVE, EAST,
(33) Name of priority country	:NA	NEW DELHI-110019 India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)RAHUL DAGA</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a retrieval basket for removing hypertrophic tissue growths from the body during an endoscopic procedure.

No. of Pages : 24 No. of Claims : 11

(54) Title of the invention : PROTECTOR COVER ASSEMBLY FOR NEEDLE OF DISPOSABLE MEDICAL DEVICE

(51) International classification :A61B  
 (31) Priority Document No :NA  
 (32) Priority Date :NA  
 (33) Name of priority country :NA  
 (86) International Application No :NA  
 Filing Date :NA  
 (87) International Publication No :NA  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :1921/DEL/2006  
 Filed on :28/08/2006

(71)Name of Applicant :

**1)POLY MEDICARE LIMITED**

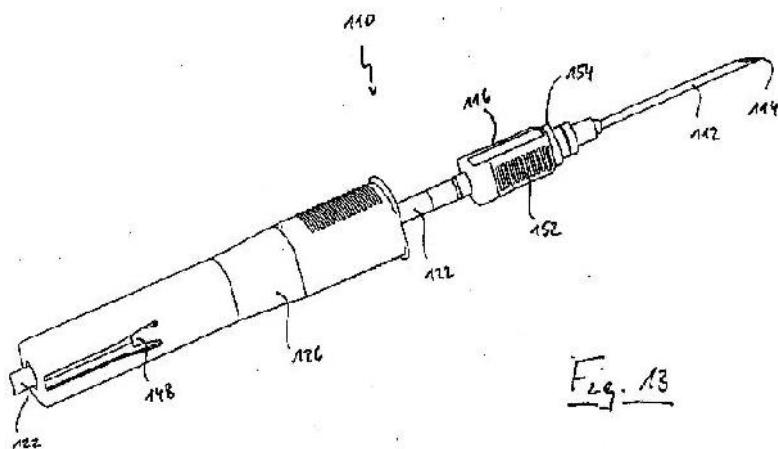
Address of Applicant :PLOT NO. 105, SECTOR 59, HSIIDC INDUSTRIAL AREA, FARIDABAD, 121004, Haryana India

(72)Name of Inventor :

**1)BAID, RISHI**

(57) Abstract :

The invention relates to a needle protector assembly (110) comprising a needle (112) and a protective cover (126) for the needle (112), wherein the needle (112) is attached to a needle hub (116) which can be moved relative to the protective cover (126) between a position of use in which at least the tip (114) of the needle (112) is outside of the protective cover (126), and a retracted position in which the needle (112) is fully received in the protective cover (126), wherein the needle protector assembly further comprises a locking mechanism adapted to secure the needle hub (116) inside the protective cover (126) when the needle hub (116) is in the retracted position. (Fig. 13)



No. of Pages : 40 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3202/DEL/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEM AND METHOD FOR AUTOMATED FUNDS MANAGEMENT

(51) International classification	:A61B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)AMERIPRISE FINANCIAL, INC.
(32) Priority Date	:NA	Address of Applicant :5226 AMERIPRISE FINANCIAL
(33) Name of priority country	:NA	CENTER, MINNEAPOLIS, MN-55474, U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)RAVI R UPADHYAY
(87) International Publication No	:NA	2)MICHAEL J NEWMAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An automated funds management system and in particular a system and a method to at least ensure the payment of guaranteed minimum income benefit (GMIB) based on the automated sector based allocation of funds in a variable annuity. A contract holders profile data is evaluated and a profile score is computed based on the evaluated profile data. The GMIB payment stream value is computed based on the available profile data and the assigned profile score. An appropriate asset class percentage allocation of contract holder funds is recommended based on the assigned profile score and the computed GMIB payment stream value. Appropriate subaccounts are identified based on the defined asset class percentage allocation of contract holder funds, GMIB payment stream value, and/or profile score. The changes in the value of at least one market index are captured and based on a pre-determined change in the value of at least one market index, at least a portion of the invested contract holder funds are reallocated into relatively better performing market sector based subaccounts.

No. of Pages : 48 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3189/DEL/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : A BREATH DETECTOR OF A DRIVER TO FACILITATE START OF A VEHICLE

(51) International classification

:F03B

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)ANIL AGARWAL F/O SATYAM AGARWAL (MINOR)**

Address of Applicant :BADA GAON, OUT SIDE GATE,  
MASTER COLONY, JHANSI, UTTAR PRADESH - INDIA

**2)SNEHLATA VERMA M/O ARPNA VERMA (MINOR)**

**3)MADAN SINGH RAWAT F/O PRIYA RAWAT**

**(MINOR)**

**4)S. RENGANAYAKI F/O R. LAKSHMI (MINOR)**

(72)Name of Inventor :

**1)SATYAM AGARWAL (MINOR)**

**2)ARPNA VERMA (MINOR)**

**3)PRIYA RAWAT**

**4)R. LAKSHMI**

(57) Abstract :

This invention relates to a breath detector of a driver to facilitate start of a vehicle. Particularly this invention relates to the breath detector to be used with a vehicle to facilitate start of a vehicle after the driver successfully passes a breath test to test presence of alcohol consumed by the driver for safe drive.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3190/DEL/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : A CAM SHAFT THRUST PLATE INTEGRATED WITH LUBRICATION CIRCUIT TO AVOID OIL SPLASHING IN CAM-SENSOR AREA OF A GASOLINE ENGINE

(51) International classification	:B64D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MARUTI SUZUKI INDIA LIMITED
(32) Priority Date	:NA	Address of Applicant :1, NELSON MANDELA ROAD,
(33) Name of priority country	:NA	VASANT KUNJ, NEW DELHI-110070, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)NARINDER KUMAR
(87) International Publication No	:NA	2)ANKIT JALAN
(61) Patent of Addition to Application Number	:NA	3)AMIT GAUTAM
Filing Date	:NA	4)PRASENJIT KHAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a cam shaft thrust plate integrated with lubrication circuit to avoid oil splashing in cam-sensor area of a gasoline engine comprising of a thrust plate fitted on cylinder head and face, rotor sensing provided on cam-shaft for position detection, a gasket mounted on the cylinder head and face wherein the gasket is mounted with case provided with a position sensor in which the thrust plate comprising of improved thrust plate, the cylinder head is provided with a hole, and improved gasket.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3203/DEL/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : A NOVEL BIO SELF NANO EMULSIFYING DRUG DELIVERY SYSTEM (SNEDDS) OF ZIDOVUDINE

(51) International classification

:B64D

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)N.V. SATHEESH MADHAV**

Address of Applicant :DIT, FACULTY OF PHARMACY,  
VIL MAKKAWALA, MUSSORIE DIVERSION ROAD D.DUN  
Uttaranchal India

(72)Name of Inventor :

**1)N. V. SATHEESH MADHAV**

**2)PRIYANKA BHATT**

(57) Abstract :

The present investigation explores the novelistic method for isolating the bio polymer from vigna unguiculata by simplified economical process using anti solvent addition method and it is subjected for various physico chemical properties , spectral analysis like NMR, IR ,MASS and morphological studies like SEM and XRD in order to determined its polymeric nature and chemical nature. This invention also discloses a method for formulating SNEDDS of Zidovudine by using co-suractant titration method . The formulated SNEDDS screened for various evaluation parameters and revealed its bio retardability which was confirmed by in vitro /in vivo studies. The novel bio polymer also possessing in built properties like emulsifiability, filmability and retardability which was confirmed by suitably formulating different dosage forms using nimuslide, Zidovudine as a model drug. The conclusion was drawn that this novelistic approach can be adapted for formulating various drug loaded SNEDDS and where as the bio polymer can be used as bio excipient for formulating various drug delivery system.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3204/DEL/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : A NOVEL BIOPOLYMER FROM FRIED SEEDS OF AMARANTHUS SPINOSUS AND ITS PHARMACEUTICAL APPLICATIONS

(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)N.V. SATHEESH MADHAV**

Address of Applicant :DIT, FACULTY OF PHARMACY,  
VIL MAKKAWALA, MUSSORIE DIVERSION ROAD D.DUN  
Uttaranchal India

(72)Name of Inventor :

**1)N. V. SATHEESH MADHAV**

**2)TANUJA NAUTIYAL**

(57) Abstract :

The current invention explore that a novel biopolymer from fried seeds of Amaranthus Spinosus. The biopolymer was isolated by simplified economical process using dimethyl ketone as a non solvent. The biopolymer contains a alkane group , alcoholic group and alkenes as a functional group.It also discloses a novel method for preparing biofilm loaded with Rosuvastatin for a prolong drug delivery. The formulating film shows significant flotability in acidic pH along with mucoadhesivity for 25 hrs. This biopolymer also possess enhanced property like bioretardent, emulsifying and filmability which confirmed by suitable formulated drug delivery system. Conclusion was drawn that the biopolymer was served as a bioexipient for formulating various drug loaded dosage forms.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3206/DEL/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : A NOVEL RESEALED ERYTHROCYTES LOADED WITH REPAGLINIDE BIONANOPARTICLES

(51) International classification	:B64D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)N.V. SATHEESH MADHAV
(32) Priority Date	:NA	Address of Applicant :DIT-FACULTY OF PHARMACY,
(33) Name of priority country	:NA	VILL: MAKKAWALA, MUSSOORIE DIVERSION ROAD,
(86) International Application No	:NA	DEHRADUN Uttaranchal India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	1)N.V. SATHEESH MADHAV
(61) Patent of Addition to Application Number	:NA	2)NIHARIKA CHAUHAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The current invention discloses the novelistic method for formulating resealed erythrocytes loaded with Repaglinide bionanoparticles. The biopolymer was separated from Citrus sinensis and It was characterized for its physicochemical properties. The spectral studies were performed and it contains alkanes, alcohols, aliphatic aldehydes and nitro group. This invention was also discloses a method for preparing nanoparticles along with resealing of it into goat blood. The formulation showed promising prolongability for 56 hrs apart from this it also showed promising emulsifying ability, retardability and film forming ability which was confirmed by suitable formulations. Conclusion was drawn that this is a novelistic approach significantly delivering the drug for prolonged period and the biopolymer was served as a promising excipient for delivering dosage forms.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3208/DEL/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : A NOVEL COMPOSITION FOR FORMULATING BIO-MONTELUKAST MICROCAPSULES

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)N.V. SATHEESH MADHAV
(32) Priority Date	:NA	Address of Applicant :DIRECTOR D.I.T. FACULTY OF
(33) Name of priority country	:NA	PHARMACY VILL-MAKKAWALA DEHRADUN-248009
(86) International Application No	:NA	Uttaranchal India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	1)N.V. SATHEESH MADHAV
(61) Patent of Addition to Application Number	:NA	2)ABHIJEET OHJA
Filing Date	:NA	3)NISHA PHARSWAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention explores a novelistic composition for formulating Montelukast bio-microcapsules using a novel biomaterial which was isolated from fruit pulp of Opuntia aciculata. Biopolymer comprises of prominent mucoadhesive groups (Alcohols, Ethers, Ketones, Alkanes) which was confirmed by IR spectra. Microcapsules were formulated by using biomaterial as a wall material cum retardant and the co-processing agent by solvent evaporation method. The formulated microcapsules showed promising in-vitro and in-vivo drug release for a prolonged time of 24hrs with good mucoadhesivity. The bio-polymer was screened for other in-built properties like emusifiability, filmability and bio-retardability which was confirmed by suitably formulating drug loaded formulations emulsion, films, microcapulse, nanoparticles and sustained release tablets. The conclusion was drawn that the novel microcapsules showed prolonged drug release and isolated biopolymer displayed in-built properties.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3209/DEL/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : A NOVEL BIOPOLYMER FROM THE DRY FRUITS OF PISTACHIA VERA

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)N.V. SATHEESH MADHAV
(32) Priority Date	:NA	Address of Applicant :DIT-FACULTY OF PHARMACY,
(33) Name of priority country	:NA	MUSSOORIE DIVERSION ROAD, VIL. MAKKAWALA
(86) International Application No	:NA	DEHRADUN 248009 Uttaranchal India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	1)N.V. SATHEESH MADHAV
(61) Patent of Addition to Application Number	:NA	2)ABHAY PRATAP YADAV
Filing Date	:NA	3)ANUPAMA THAPLIYAL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This current invention explores a novalistic method for isolating biopolymer from the dry fruit of Pistachio vera. This biomaterial comprises alkane, alkene, ester and aromatic functional groups which were confirmed by IR spectra. It is devoid of toxicity which was confirmed by acute toxicity study. This invention also explores a method of preparing a novel bio-nanosuspension loaded with Moxifloxacin and biomaterial as a retardant cum stabilizer. This study revealed that biomaterial showed its inbuilt retardability and stability propertes apart from that it also possess novel in-built properties like emulsifiability, suspendibility, filmability and retardability which was confirmed by suitably formulating drug loaded dosage forms. The conclusion was drawn that bio-material; possess potent inbuilt properties and it can serve as a bio-excipient for formulating various dosage forms.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3240/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :15/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : WIND TURBINE FARM AND METHOD OF CONTROLLING AT LEAST ONE WIND TURBINE

(51) International classification

:B23B

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)GENERAL ELECTRIC COMPANY**

Address of Applicant :1 RIVER ROAD, SCHENECTADY,  
NEW YORK 12345, U.S.A.

(72)Name of Inventor :

**1)LANDA, BERNARD**

**2)LATORRE, CARLOS EDUARDO**

**3)FRIC, THOMAS FRANK**

**4)CONVERSE, THOMAS OMAR**

**5)DINJUS, THOMAS**

**6)BROWN, MICHAEL GREGORY**

**7)TORBOHM, GERT**

**8)SCHUELL, NADINE**

(57) Abstract :

An aero reduction control system (300/350) includes at least one first wind turbine input device (176) configured to transmit a first operational signal (314/372) representative of a first operational condition. The first operational condition includes a blade (112) deflection condition. The system also includes at least one second wind turbine input device (131/146/148) configured to transmit at least one second operational signal (314/372) representative of at least one second operational condition. The system further includes at least one wind turbine regulating device (326). The system also includes at least one processor (150/206/208-A/208-B/208-N) operatively coupled with the first wind turbine input device, the second wind turbine input device, and the regulating device. The processor is programmed to transmit at least one signal (324/362) to the wind turbine regulating device to change the second operational condition to change the blade deflection condition.

No. of Pages : 39 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3250/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : A NOVEL HERBAL PRODUCT FOR RHEUMATOID ARTHRITIS AND MUSCULAR PAIN AND PROCESS FOR THE PREPARATION THEREOF

(51) International classification	:C07D	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)AMITY UNIVERSITY-UP</b>
(32) Priority Date	:NA	Address of Applicant :AMITY UNIVERSITY -UP,SECTOR-
(33) Name of priority country	:NA	125, NOIDA -201303, UP, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)DHAN PRAKASH</b>
(87) International Publication No	:NA	<b>2)CHARU GUPTA</b>
(61) Patent of Addition to Application Number	:NA	<b>3)PALPU PUSHPANGADAN</b>
Filing Date	:NA	<b>4)VARUGHESE GEORGE</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a novel composition of herbal product, effective in providing relief from rheumatoid arthritis, to reduce inflammation and muscular pain and process for the preparation of the same. The present invention relates to the blend of herbal extracts with synergistically enhanced properties effective in rheumatoid arthritis and muscular pain. The herbal extract comprising dried and powdered aerial parts of Kalanchoe pinnata (Lamp) Pers. (family Crassulaceae, Syn. Bryophyllum calycinum, Pather Chatta, Air Plant, Life Plant, Miracle Leaf), aerial parts of Kydia calycina Roxb. (family Malvaceae, pattha, pulia), aerial parts of Fagopyrum esculentum Moerch (Family Polygonaceae, Buckwheat, Kuttu), aerial parts of Achyranthes aspera (family Amaranthaceae, Syn A. argentea, Apamarg) and bark of Oroxylum indicum (L.) Vent (family Bignoniaceae; Indian Trumpet, Bhut-vriksha, Sonapatha or Shyonaka) mixed and processed in a suitable base derived from wax and oil in specific quantities in the form of cream, ointment, oil or paste for external use only.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3207/DEL/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : A NOVEL BIOPOLYMER FROM FRUIT PULP OF FICUS CARICA AND ITS NOVELISTIC PHARMACEUTICAL APPLICATION

(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)N.V. SATHEESH MADHAV
(32) Priority Date	:NA	Address of Applicant :DEHRADUN INSTITUTE OF
(33) Name of priority country	:NA	TECHNOLOGY, FACULTY OF PHARMACY, MUSSOORIE
(86) International Application No	:NA	DIVERSION ROAD, VILLAGE MAKKAWALA, DEHRADUN-
Filing Date	:NA	248009 Uttaranchal India
(87) International Publication No	:NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)N.V. SATHEESH MADHAV
Filing Date	:NA	2)AKHILESH VIKRAM SINGH
(62) Divisional to Application Number	:NA	3)DIVYA GUPTA
Filing Date	:NA	

(57) Abstract :

This invention discloses a novelistic method for isolating the biopolymer from fruit pulp of Ficus carica by non-solvent addition method. The biopolymeric material comprises of alkane, alcohol and ether functional groups. It displayed inbuilt properties like emulsifiability, suspensibility, filmability and retardability which were confirmed by suitably formulating drug loaded delivery system. This invention also discloses formulating the bio-microemulsion for ocular drug delivery loaded with Acetazolamide. The formulation showed a promising controllability and stability with a globule size range of 0.023 to 0.0564  $\mu$ m. Conclusion was drawn that the biopolymer possesses an inbuilt novelistic properties and it can serve as bio-excipient for delivering various dosage form.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3228/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :14/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : APPARATUS AND METHOD FOR GENERATION OF BROWN GAS FOR INCREASING FUEL EFFICIENCY

(51) International classification	:B60D	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)RAJESH KUMAR GUPTA</b>
(32) Priority Date	:NA	Address of Applicant :SECOND FLOOR-130, PANCHVATI
(33) Name of priority country	:NA	ENCLAVE, SECTOR 4-A, SHATABDI NAGAR, MEERUT-
(86) International Application No	:NA	250003 Uttar Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	<b>1)RAJESH KUMAR GUPTA</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure provides for an apparatus and method for generation of Brown gas for increasing the fuel efficiency of an internal combustion engine comprising an electrolyte chamber which further comprises a multihole sheet, at least one pair of electrodes, and an electrolyte solution; a second chamber comprising a stainless steel scrambled coil and a PCV gas inlet; a third chamber comprising a scrambled stainless steel coil and a gas outlet; and a moisture separator unit comprising a container, a stainless steel scrubber, at least one stainless steel membrane, silica gel, an inlet and an outlet.

No. of Pages : 29 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3239/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :15/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : COLONEL ROBO

(51) International classification

:B23B

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)ADITYA BANSAL**

Address of Applicant :A-2/121 JANAK PURI NEW DELHI

India

(72)Name of Inventor :

**1)ADITYA BANSAL**

(57) Abstract :

Colonel Robo is a complete surveillance and security system which can be used to counter situations like 26/11 terrorist attacks on the Taj hotel or Railway station at Mumbai. The system consists of a vehicle mounted with an automatic machine gun, and a 2-way audio-video communication system. Instead of sending a security personnel to counter the attack, this vehicle can go and confront the terrorist. It can warn the terrorist to surrender and if necessary, can fire from the on board automatic machine gun. All these activities are controlled and monitored by a robot operator on his remote computer via the internet and a remote control for firing and maneuvering sitting in a remote and safe place, away from the terrorist, up to a radius of 30 kilometers.

No. of Pages : 11 No. of Claims : 2



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3247/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :15/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : STRAIGHTENING APPARATUS

(51) International classification

:B23B

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)Olavi VEN,,L,,INEN**

Address of Applicant :Kiuruntie 40 FI-70340 KUOPIO  
Finland

(72)Name of Inventor :

**1)Olavi VEN,,L,,INEN**

(57) Abstract :

The invention relates to a straightening apparatus for a vehicle driver<sup>TM</sup>s cab which straightening apparatus includes at least one pulling means (8) fastenable to the cab (5) a power element (11) for pulling means in a desired direction and a support structure (13) for the pull chain and the power element. In accordance with the invention for the support structure includes an arched structure a straightening arch (13) which is on the sides and above the vehicle cab when the cab is fastened to the straightening apparatus.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3251/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : AN EFFICIENT METHOD OF FUNGAL ELICITATION OF CALLUS CULTURES OF LEPIDIUM SATIVUM FOR ENHANCED PRODUCTION OF LEPIDINE

(51) International classification	:B23B	(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, U.P, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DEEPSHIKHA PANDE KATARE
(87) International Publication No	:NA	2)AMIT CHANDRA 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 method of elicitation of callus cultures of *Lepidium sativum* by *Fusarium oxysporum* for enhanced production of lepidine. The elicitation is carried out in the callus after transferring it to a suspension medium containing (MS) (in mg 1-l) 1.0 NAA ( -Naphthene acetic acid) + 0.5 2,4-D (2,4-Di Chloro Phenoxy acetic acid) 2.0 BA (Benzyl Adenine) + 15 fungal extract. On 06th day of elicitation upto 89 fold enhancement is noted in lepidine, the pharmaceutically active compound, when quantified through HPLC. The method provides a rapid source of lepidine extraction from cells without the intervention of plant tissue.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3258/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : A METHOD OF CREATING THREE-DIMENSIONAL ARTWORKS

(51) International classification	:B23B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SIMRAN KAWALJIT SINGH LAMBA
(32) Priority Date	:NA	Address of Applicant :T-10 GREEN PARK EXTENSION,
(33) Name of priority country	:NA	TOP FLOOR (RIGHT HAND SIDE), NEW DELHI India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SIMRAN KAWALJIT SINGH LAMBA
(87) 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 disclosure relates to a method to create three-dimensional artworks, more particularly using coal tar and kerosene.

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

(54) Title of the invention : A NOVEL MINOXIDIL BIONIOSOMES USING SANTALUM ALBUM POLYMER AS A BIOVESICLE FORMING AGENT.

(51) International classification	:B23B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)N.V. SATHEESH MADHAV
(32) Priority Date	:NA	Address of Applicant :DIT-FACULTY OF PHARMACY,
(33) Name of priority country	:NA	MUSSOORIE, DIVERSION RAOD, VILL. MAKKAWALA,
(86) International Application No	:NA	DEHRADUN - 248009 Uttaranchal India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	1)N.V. SATHEESH MADHAV
(61) Patent of Addition to Application Number	:NA	2)ABHIJEET OJHA
Filing Date	:NA	3)AMIT SAINI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In recent years, biodegradable polymer materials (known as biocomposites) have gained particular interest specially in Pharma field. Bio-polymers are continually being employed in an expanding range of areas. As a result, many researchers are keen to modify natural materials to make them more user-friendly, and into designing novel polymer composites out of naturally occurring materials. It is suggested that biodegradable polymer materials will reduce the need for synthetic polymer production at a low cost, thereby producing a positive effect both environmentally and economically. We current expose a method for formulating bioniosomes using a biosurfactant which was isolated from santalum album wood. The biopolymer revealed its inbuilt functional groups containing NH<sub>2</sub>, CH<sub>2</sub>-, CH<sub>3</sub>-, CN- and CH<sub>2</sub>-CH=O as a functional groups. The niosomes were formulated by modified thin film hydration and sonication method. The niosomes showed a size range of 171-995nm with a promising stability. The biopolymer also revealed other inbuilt novelistic property bio-Retardability, Emulsifiability and Filmability, which was confirmed by suitably formulating drug delivery dosage forms. Conclusion was drawn that bioniosomes can be used for effectively targeting the drug to the hair follicles and niosomes can be prepared by a novel bio-excipient from santalum album and the biopolymer can also serve as a bio-excipient for formulating various drug delivery dosage forms. This present paper is intended to provide a novel method for extraction of the bio-material from natural source & employ it for various pharmaceutical purposes.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3265/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :17/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : MODIFICATION OF DIE FOR MANUFACTURING OF SYNCHRONIZER RING

(51) International classification

:B23B

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)CHANG YUN INDIA LTD**

Address of Applicant :77, IDC, MEHARAULI ROAD,  
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(72)Name of Inventor :

**1)SUDHIR SRIVASTAVA**

**2)RAJESH DONGARE**

**3)RAVINDER KUMAR**

(57) Abstract :

The die for forged manufacture of synchronizer rings for manual transmission has been modified with regard to counter-balancing the forces on different sections of die blocks resulting from the loads to prevent deformation of edges and buckling of die early enough to extend the life and productivity.

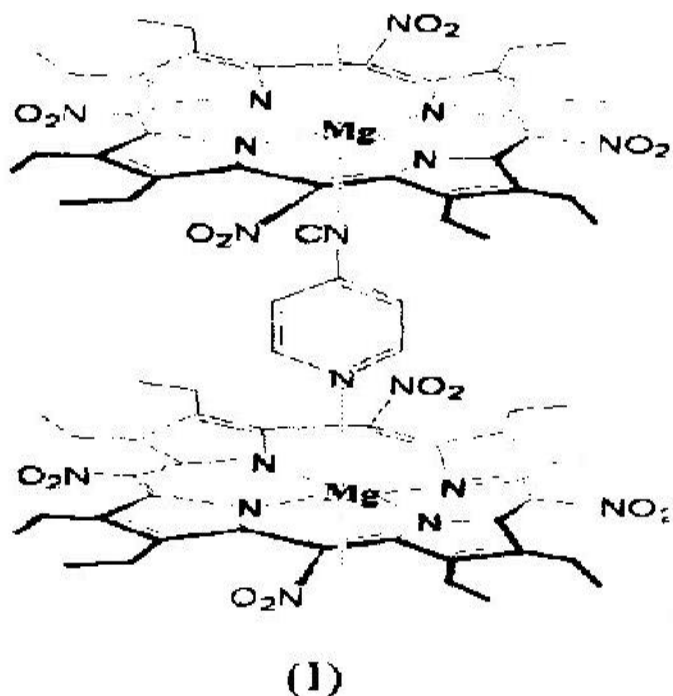
No. of Pages : 18 No. of Claims : 3

(54) Title of the invention : MAGNESIUM INSERTED PORPHYRIN COMPOUND, ITS BLENDS AND DEVICES THEREOF

(51) International classification	:B23B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)INDIAN INSTITUTE OF TECHNOLOGY, KANPUR</b>
(32) Priority Date	:NA	Address of Applicant :DEAN, RESEARCH &
(33) Name of priority country	:NA	DEVELOPMENT 255, FACULTY BUILDING, INDIAN
(86) International Application No	:NA	INSTITUTE OF TECHNOLOGY, KANPUR - 208016, Uttar
Filing Date	:NA	Pradesh India
(87) International Publication No	:NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)IYER, SUBRAMANIAM SUNDAR KUMAR</b>
Filing Date	:NA	<b>2)RAH, SHANKAR PRASAD</b>
(62) Divisional to Application Number	:NA	<b>3)SINGH, ARVIND</b>
Filing Date	:NA	<b>4)IKBAL, SEIKH ASIF</b>

(57) Abstract :

The present disclosure relates to a compound of formula I The present disclosure further provides a blend of compound of formula I with an electron accepting moiety. The present disclosure also provides a device comprising the compound of formula I or its blend with an electron accepting moiety. The present disclosure further provides a photovoltaic device comprising the compound of formula I, or its blend with an electron accepting moiety, as one of its component. The present disclosure furthermore provides a process for device fabrication to obtain a photovoltaic device.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3273/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :17/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : WIRE LOCKING STRUCTURE

(51) International classification

:B23B

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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CHUANG DIST., NEW TAIPEI CITY 242, TAIWAN

(72)Name of Inventor :

**1)SHANG TSAI WU**

(57) Abstract :

A wire locking structure includes a base, at least one conductive terminal lug and at least one screw. The base has at least one hole and at least one through-hole which communicate with each other and communicate with the outside of the base. The at least one conductive terminal lug is disposed at the at least one hole, includes a locking portion and a terminal portion, and has an aperture. The locking portion has an internal thread. The terminal portion extends from the at least one hole to the outside of the base. The aperture communicates with the at least one through-hole and opens to the internal thread. The at least one screw penetrates the at least one hole so as to be engaged with the internal thread and screwed into the aperture. The wire locking structure saves materials, cuts costs, and enhances the wire locking conforming rate.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3252/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD AND SYSTEM FOR MANAGING PRODUCTION OF FERRO ALLOYS

(51) International classification	:B23B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)INDIAN TECHNO RESEARCH PRIVATE LIMITED</b>
(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	<b>1)SHARMA, RAKESH</b>
(87) International Publication No	:NA	<b>2)GULATI, CHANDRA, RAMESH</b>
(61) Patent of Addition to Application Number	:NA	<b>3)GULATI, UTPAL</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention provides a method and system for managing production of ferro alloys. The method includes reducing viscosity of slag formed as result of production of ferro alloys by maintaining basicity of the slag in a range of about 1.2 to 1.8. The decreased viscosity of the slag enables the slag to be tapped out.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3253/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : FURNACE FOR ROASTING A METALLIFEROUS CONCENTRATE

(51) International classification	:B23B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)INDIAN TECHNO RESEARCH PRIVATE LIMITED</b>
(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	<b>1)SHARMA, RAKESH</b>
(87) International Publication No	:NA	<b>2)GULATI, CHANDRA, RAMESH</b>
(61) Patent of Addition to Application Number	:NA	<b>3)GULATI, AMMIT</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention provides a furnace for roasting a metalliferous concentrate. The furnace includes a single hearth for performing roasting of the metalliferous concentrate to obtain a metalliferous oxide. The furnace also includes a temperature control unit for controlling temperature within the furnace. The temperature within the furnace is maintained below sublimation point of the metalliferous oxide.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3260/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : A NOVEL FORMULATION OF EMTRICITABINE SOLID LIPID NANOPARTICLES USING A BIO RETARDANT FROM MANGIFERA INDICA SEEDS

(51) International classification	:B23B
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
**1)N.V. SATHEESH MADHAV**  
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MUSSOORIE, DIVERSION ROAD, VILL. MAKKAHALA,  
DEHRADUN - 248009 Uttaranchal India

(72)**Name of Inventor :**  
**1)SEVIKA RAMOLA**

(57) Abstract :

This invention discloses the method for formulating Emtricitabine Solid lipid Nanoparticles by using bio retardant which was isolated from Mangifera Indica seeds. The isolated bio retardant is devoid of toxicity. Emtricitabine Solid Lipid nanoparticles were formulated by using bio retardant, PVA, Chloroform and other co processing agents by hot melt solvent evaporation method. The formulation showed nanosizing in the range of 442 to 500 nm with a promising stability and prolonged ability for a period of 24 hrs. The isolated bio retardant also possess a novelistic inbuilt retardability, Emulsifiability and Filmability which was confirmed by formulating suitable doses forms using the bio retardant and other co processing agents. Conclusion was drawn that the bio retardant can serve as a promising excipient for formulating controlled or prolonged drug delivery system.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3271/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :17/11/2011

(43) Publication Date : 17/05/2013

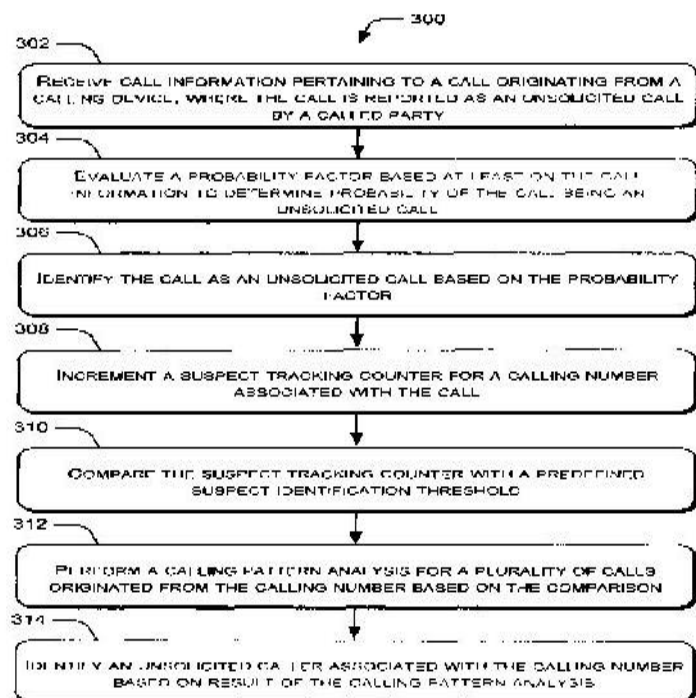
(54) Title of the invention : IDENTIFYING UNSOLICITED CALLS IN COMMUNICATION NETWORKS

(51) International classification :B23B  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No :NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
1)ALCATEL-LUCENT  
Address of Applicant :3, AVENUE OCTAVE GREARD,  
75007 PARIS, FRANCE  
(72)Name of Inventor :  
1)GUPTA, VARUN

(57) Abstract :

The present subject matter relates to systems and methods for identifying unsolicited calls and unsolicited callers in communication networks. In one embodiment, the method comprises receiving call information pertaining to a call originating from a calling device (102-1), wherein the call is reported as an unsolicited call by a called device (102-2). Further, the method comprises evaluating a probability factor based at least on the call information to determine a probability of the call being an unsolicited call. Based on the probability factor, the call is identified as an unsolicited call.



No. of Pages : 37 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3276/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :17/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : MARATHON MONITOR

(51) International classification	:B23B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)ADITYA BANSAL</b>
(32) Priority Date	:NA	Address of Applicant :A2/121, JANAK PURI, NEW DELHI -
(33) Name of priority country	:NA	110058 India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)ADITYA BANSAL</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 :

Marathon monitor is a complete device for which can be used to calculate the time taken by the athlete, the route taken by him as well as any deviation that occurs during that route. This system can be used by marathoners to keep the events as fair and just as possible. Once the event is completed, this device also maps the route taken by the athlete along with the official route on the laptop connected to the pillars.

No. of Pages : 6 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3277/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :17/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : BLIND SPECTACLES

(51) International classification	:B23B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)ADITYA BANSAL</b>
(32) Priority Date	:NA	Address of Applicant :A2/121 JANAK PURI, NEW DELHI -
(33) Name of priority country	:NA	110058 India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)ADITYA BANSAL</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 :

Blind Spectacles is a device which will help blind people walk easily with continuous audio feedback about its the in-front obstacles and the persons distance from these obstacles. The system consists of an ultrasonic sensor along with an earphone which gives audio feedback to the blind person based on the input it receives from the main circuit board. This device can notify the blind person about any obstacles distance on front of it.

No. of Pages : 5 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3275/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :17/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : TRIGONOMETRIC CALCULATOR

(51) International classification	:B23B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)ADITYA BANSAL</b>
(32) Priority Date	:NA	Address of Applicant :A2/121 JANAK PURI, NEW DELHI -
(33) Name of priority country	:NA	110058 India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)ADITYA BANSAL</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 :

Trigonometric Calculator is a software which can be run in the iPhone or the Mac Operation Systems. This software converts any numerical value to all kinds to their respective trigonometric functions.

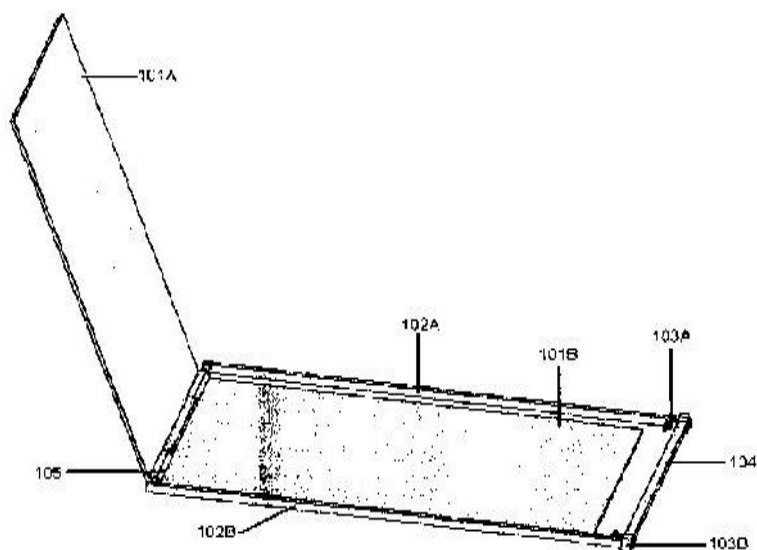
No. of Pages : 6 No. of Claims : 2

(54) Title of the invention : SEMI-AUTOMATIC PAPER ENVELOPE MACHINE

(51) International classification	:B23B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SHOBHIT AMBASTA
(32) Priority Date	:NA	Address of Applicant :#1303, TOWER 2, SHUSANT
(33) Name of priority country	:NA	ESTATE, SHUSANT LOK 1, SECTOR 52, GURGOAN -
(86) International Application No	:NA	122002 Haryana India
Filing Date	:NA	2)KUMAR ANJANI
(87) International Publication No	:NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)SHOBHIT AMBASTA
Filing Date	:NA	2)KUMAR ANJANI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A semi automatic paper envelope machine comprising of two metal plates. One upper plate 101A and other is the lower plate 101B which is fixed to a table base 102. 101A and 101B are hinged by a pin at 108. 103 are two gumming boxes which discharges gum through 105. 103, 104, 105 and 106 are connected permanently with one another in such a way that it moves as a one unit. Part 104 is a roller which secures the sticking of the paper. Link 106 is a thin metal strip which secures folding of paper. The part 103 slides over 109.

**FIG-1**

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3283/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :17/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : A MONOCLONAL ANTIBODY AGAINST CHIMERIC FUSION PROTEIN OF SEB AND TSST-1 of S. aureus

(51) International classification

:B23B

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)Director General Defence Research and Development Organization**

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(72)Name of Inventor :

**1)SHYLAJA RAMLAL**

**2)PRAKASH NARAYANA REDDY KUDUMALA**

**3)RADHIKA MADAN URS**

**4)HARISHCHANDRA SRIPATHY MURALI**

**5)HARSH VARDHAN BATRA**

**6)AMARINDER SINGH BAWA**

(57) Abstract :

The present invention provides a monoclonal antibody against the chimeric fusion protein comprising conserved portions of Enterotoxin B (SEB) and Toxic shock syndrome toxin (Tsst-1) of Staphylococcus aureus. Said protein is a 26KDa protein. The monoclonal antibody thus generated shows no cross-reactivity to other microorganisms. The invention also provides a process for suppression of protein A and enhancement of SEB from S. aureus by culturing S. aureus in an altered Tryptose Yeast Extract broth comprising EGTA or NaCl.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3889/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :30/12/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : A MODULAR ELEMENT FOR MANOEUVRABLE PARTITION WALLS

(51) International classification	:B23D
(31) Priority Document No	:IT B02011U000092
(32) Priority Date	:10/11/2011
(33) Name of priority country	:Italy
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
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(TN), ITALY  
(72)**Name of Inventor :**  
**1)PEZZI, ENZO**

(57) Abstract :

A modular element for manoeuvrable partition walls comprises a frame formed by upright members (32, 33) and cross-members (34, 35, 36) which are fixed together without welding and, in particular, by means of screws, bolts, or the like. The modular element comprises drive mechanisms for moving movable compensation elements (40, 41), the drive mechanisms including movement-transmission members (22) which are screwed to a central cross-member (36).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1557/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/02/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : PROGRAM INFORMATION SEARCH DEVICE

(51) International classification	:H04N7/173
(31) Priority Document No	:2009-172257
(32) Priority Date	:23/07/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/061523
Filing Date	:07/07/2010
(87) International Publication No	:WO 2011/010555
	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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Address of Applicant :22-22, NAGAIKE-CHO, ABENO-KU,  
OSAKA-SHI, OSAKA 545-8522 Japan  
(72)**Name of Inventor :**  
**1)ITOH, ATSUSHI**  
**2)SASAKI, JUN**

(57) Abstract :

Provided is a program information search device having an improved operability of genre search. The program information search device includes: an electronic program table creating means 105 for creating an electronic program table which displays information on programs, and a genre search screen; a program information acquiring means 110a for acquiring information on a program where a cursor is located in the electronic program table, and detecting a genre of the program from the information; and a cursor control means 110b for setting an initial position of a genre cursor for designating a genre on the genre search screen to the detected genre, in which, upon receiving an instruction to display the genre search screen, the electronic program table creating means extracts programs in the genre detected by the program information acquiring means, creates the genre search screen based on the extracted programs and the initial position of the genre cursor, and causes the display means to display the genre search screen.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1978/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : CONTENT VIEWING/LISTENING DEVICE AND CONTENT DISPLAY DEVICE

(51) International classification :H04N7/173  
(31) Priority Document No :2009-182963  
(32) Priority Date :06/08/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/063160  
Filing Date :04/08/2010  
(87) International Publication No :WO 2011/016476  
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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OSAKA-SHI, OSAKA 545-8522 Japan  
(72)Name of Inventor :  
**1)KOBAYASHI, TETSUO**  
**2)SHIMIZU, TOSHINORI**  
**3)OHMURA, YOSHINORI**

(57) Abstract :

A content viewing/listening device for viewing and listening to contents has a content information obtaining section that obtains content information, and a content information display control section that performs control to display a content list on a content display section with respect to each of content categories based on the content information obtained in the content information obtaining section. When receiving an instruction to display the content list, the content information display control section produces, on a content presently being viewed and listened to, a presently-viewed/listened-to-content display in such a form as to be visually recognizable and to indicate that the content is presently being viewed and listened to, and displays the content list so that the content list is divided into portions on a plurality of pages if the content list cannot be displayed on one page.

No. of Pages : 75 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2105/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :07/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : INFORMATION PROCESSING APPARATUS, DATA MANAGEMENT METHOD AND PROGRAM

(51) International classification	:H04N7/173
(31) Priority Document No	:2009-213793
(32) Priority Date	:15/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/005344
Filing Date	:31/08/2010
(87) International Publication No	:WO 2011/033730
	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)SONY CORPORATION**  
Address of Applicant :1-7-1 KONAN, MINATO-KU,  
TOKYO 108-0075 Japan  
(72)**Name of Inventor :**  
**1)YOSHIHARU DEWA**  
**2)NAOHISA KITAZATO**  
**3)KATSUNORI HASHIMOTO**  
**4)MASAHITO MORI**

(57) Abstract :

[Object] To realize processing for switching a reproduction state from broadcast data to network data and resuming the reproduction of the original broadcast data. [Solving Means] A browser (241) acquires, via a network, an XML-AIT having a content equivalent to a broadcast AIT defining a life cycle of a broadcast application while a VoD content is reproduced after being switched from the broadcast application. The browser (241) manages the broadcast application based on the XML-AIT and resumes the reception of the broadcast application after the reproduction of the VoD content is ended. With this structure, processing of separating two transport streams at the same time becomes unnecessary, and one demultiplexer (23) only needs to be provided.

No. of Pages : 26 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2180/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :09/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : TRUSTED MESSAGE STORAGE AND TRANSFER PROTOCOL AND SYSTEM

(51) International classification :H04L9/00  
(31) Priority Document No :61/243,203  
(32) Priority Date :17/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/CA2010/004134  
Filing Date :17/09/2010  
(87) International Publication No :WO 2011/032271 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)ROYAL CANADIAN MINT/MONNAIE ROYALE CANADIENNE**  
Address of Applicant :320 SUSSEX DRIVE, OTTAWA, ONTARIO KIA 0G8 Canada  
(72)Name of Inventor :  
**1)EVERETT, DAVID**

(57) Abstract :

An electronic content storage and exchange system includes an interface configured to send and receive messages; a database and a controller. The database includes a plurality of records, each record representing a respective virtual storage media and including at least: a respective unique identifier assigned to the virtual storage media; a respective Private key and certificate assigned to the virtual storage media; a current content value, and a log of content transfers. The controller executes transfer-in and transfer-out processes in respect of each of the virtual storage media. The transfer-in process includes steps of: receiving a content transfer message including at least a message content to be transferred and the respective identifier assigned to a recipient virtual storage media; accessing the record representing the recipient virtual storage media,; and storing the message content in the current content of the recipient virtual storage media. The transfer-out process includes steps of: receiving a content transfer request message including at least at least a message content to be transferred and the respective identifier assigned to a sending virtual storage media; accessing the record representing the sending virtual storage media; removing the message content from the current content; generating a content transfer message including the message content; and returning the content transfer message.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2284/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :13/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : FUNCTIONAL SPACER FOR SEPARATING BULBS IN A MULTIPOLAR CUTOFF DEVICE, AND CIRCUIT BREAKER

(51) International classification	:H01H1/20
(31) Priority Document No	:0904458
(32) Priority Date	:18/09/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/000594
Filing Date	:30/08/2010
(87) International Publication No	:WO 2011/033184
	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)GRUMEL, CHRISTOPHE**  
**2)ANGLADE, HERVE**  
**3)RIVAL, MARC**

(57) Abstract :

In order to take maximum advantage of the modularity provided by a multipole circuit breaker (100) with double enclosure, a new architecture is proposed. A part of the outer case (48) of the switchgear apparatus is formed directly when assembly of the breaking device (600) is performed by juxtaposition and securing between single-pole breaking units (10), spacers (46) and side walls (50). It is thus possible to use the spacers (46) for various functionalities, and in particular to modify the external aspect of the switchgear apparatus (100) or the nature of the trip device in delayed manner.

No. of Pages : 27 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2378/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEM AND METHOD FOR A MANAGED NETWORK WITH QUALITY-OF-SERVICE

(51) International classification :H04L12/28  
(31) Priority Document No :61/247,898  
(32) Priority Date :01/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/050948  
Filing Date :30/09/2010  
(87) International Publication No :WO 2011/041573 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)WU, ZONG LIANG**

(57) Abstract: Systems and methods for establishing Parameterized QoS flows in a managed network can include the Designated Network Node discovering one or more of the plurality of network nodes; classifying the discovered network node or nodes based on node type; determining from the classification which node or nodes are designated for supporting Parameterized QoS flows; and invoking a request to a MoCA layer to create Parameterized QoS flows between the network node or nodes classified as designated for Parameterized QoS flows and the source nodes; wherein the bandwidth designated for the individual Parameterized QoS flows is either a nominal value or actual value specified by the Designated Network Node such that the actual aggregate bandwidth for the Parameterized QoS flows does not exceed the network bandwidth available for actual Parameterized QoS flows.

No. of Pages : 47 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2439/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : SINGLE-POLE BREAKING UNIT COMPRISING A ROTARY CONTACT BRIDGE, SWITCHGEAR DEVICE COMPRISING SUCH A UNIT AND CIRCUIT BREAKER COMPRISING SUCH A DEVICE

(51) International classification	:H01H71/02
(31) Priority Document No	:0904456
(32) Priority Date	:18/09/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/000591
Filing Date	:30/08/2010
(87) International Publication No	:WO 2011/033181
	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)GRUMEL, CHRISTOPHE**  
**2)ANGLADE, HERVE**  
**3)RIVAL, MARC**  
**4)GONNET, JEAN-PAUL**

(57) Abstract :

A breaking unit comprising a contact bridge (22), at least one stationary contact (41, 51) operating in conjunction with said contact bridge and a rotary bar (26) having a transverse hole (21) accommodating said bridge which is salient on each side of the bar (20), said bar (20) being fitted between two side panels (14) of the breaking unit. Said contact bridge comprises two sealing flanges (27) respectively placed between the radial surfaces of the rotary bar (26) and the side panels (14). At least one arc extinguishing chamber (24) opens onto an opening volume of the contact bridge (22). The rotary bar (26) comprises at least one channel (29) connected to the transverse accommodating hole (21).

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2444/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : CARRIER INDICATOR FIELD FOR CROSS CARRIER ASSIGNMENTS

(51) International classification :H04L5/00  
(31) Priority Document No :61/248,632  
(32) Priority Date :05/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/051313  
Filing Date :04/10/2010  
(87) International Publication No :WO 2011/044038 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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**1)RAJAT PRAKASH**  
**2)JELENA M. DAMNJANOVIC**  
**3)AAMOD DINKAR KHANDEKAR**

(57) Abstract :

Techniques for supporting operation on multiple carriers are described. In an aspect, a carrier indicator (CI) field may be used to support cross-carrier assignment. The CI field may be included in a grant sent on one carrier and may be used to indicate another carrier on which resources are assigned. In one design, a cell may determine a first carrier on which to send a grant to a UE, determine a second carrier on which resources are assigned to the UE, set a CI field of the grant based on the second carrier and a CI mapping for the first carrier, and send the grant to the UE on the first carrier. The UE may receive the grant on the first carrier from the cell and may determine the second carrier on which resources are assigned to the UE based on the CI field of the grant and the CI mapping for the first carrier.

No. of Pages : 43 No. of Claims : 65

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2446/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : COMPENSATING FOR HYSTERESIS

(51) International classification	:G02B26/06
(31) Priority Document No	:09275081.9
(32) Priority Date	:16/09/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/GB2010/051487
Filing Date	:07/09/2010
(87) International Publication No	:WO 2011/033281 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)MICHAEL STEWART GRIFFITH**  
**2)IMDAD SAJJAD BADRUDDIN SARDHARWALLA**

(57) Abstract :

A method and apparatus for compensating for hysteresis in a system (150), the method comprising: determining a required input to the system (150) from an output of the system (150) using the Preisach model with the input of the Preisach model corresponding to the output of the system (150), and with the output of the Preisach model corresponding to the input of the system (150). The system (150) may be an adaptive optics system. The input x may be an i input voltage of an actuator (102) that deforms a mirror (104), and the output y may be a value of a displacement f a mirror (104).

No. of Pages : 36 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2494/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : POWER GENERATING SKIN STRUCTURE AND POWER GENERATION SYSTEM THEREFOR

(51) International classification	:F03D9/00
(31) Priority Document No	:12/546,882
(32) Priority Date	:25/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/046419
Filing Date	:24/08/2010
(87) International Publication No	:WO 2011/028502 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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(72)Name of Inventor :

**1)ALLAEI, DARYOUSH**

(57) Abstract :

A skin structure has a skin and a power generation system attached to the skin. The power generation system has a turbine, one or more tubes fluidly coupled to the turbine, and a generator configured to generate electrical power in response to motion of the turbine. The skin structure may form a portion of an outer covering of a stationary structure, such as a building, or an outer covering of a manned or unmanned vehicle, such as a ground or aerial motor vehicle or a marine or submarine motor vehicle.

No. of Pages : 25 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2497/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD AND ARRANGEMENT FOR&NBSP;MOVING A HEAVY LOAD

(51) International classification :B66B11/00

(31) Priority Document No :20090357

(32) Priority Date :28/09/2009

(33) Name of priority country :Finland

(86) International Application No :PCT/FI2010/000058  
Filing Date :28/09/2010

(87) International Publication No :WO 2011/039405  
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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HELSINKI Finland

(72)Name of Inventor :

**1)PERALA, JUSSI**

**2)RATIA, JOUNI**

(57) Abstract :

Method for moving a heavy load (L), in which method the heavy load (L) is lifted or lowered with an elevator, which elevator comprises an elevator car (1) and a hoisting machine (2), which hoisting machine (2) is arranged to move the elevator car (1) from one level to another in the normal operation of the elevator, in which method the heavy load (L) is moved to be supported by the elevator car and the elevator car is moved until the load (L) is at the desired height, and the load (L) is removed from the support of the elevator car. In the method a hoist (3) that does not belong to the aforementioned hoisting machine (2) is temporarily connected to the elevator car (1) for, the purpose of moving the load (L), and the elevator car, which supports the load (L), is moved by means of the aforementioned hoist (3) until the load (L) is at the desired height, and the load (L) is removed from the support of the elevator car.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2504/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : PRODUCTION METHOD OF HIGH VISCOSITY O/W CREAM

(51) International classification	:A61K8/06
(31) Priority Document No	:2009-205237
(32) Priority Date	:04/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/065004
Filing Date	:02/09/2010
(87) International Publication No	:WO 2011/027812
	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 :**  
**1)ARAKI, HIDEFUMI**  
**2)MIYAHARA, REIJI**

(57) Abstract :

The present invention provides a simple and economical production method, without using a large amount of thickeners, of a high-viscosity O/W cream. The production method comprising: emulsifying, at 70 °C or higher, an oil phase with a water phase to prepare an O/W emulsified part, wherein the oil phase comprises (A) a nonionic surfactant, (B) a linear higher alcohol that has 16 or more carbon atoms and can form an a-gel in water with (A), and (C) an oil component, and the water phase comprises (D) water; cooling the emulsified part while being stirred; and stopping the stirring at the peak temperature or higher in a temperature range wherein the oil phase forms an a-gel in the water phase, but lower than 70 °C. The peak temperature is the exothermic peak temperature measured by DSC of the emulsified part. The viscosity of the O/W cream measured with a B-type viscometer at 30 °C is preferably 8,000 mPa-s or higher.

No. of Pages : 30 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1540/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/02/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEM AND PROCESS FOR TRANSFORMING TWO DIMENSIONAL IMAGES INTO THREE-DIMENSIONAL IMAGES

(51) International classification	:H04N13/04
(31) Priority Document No	:61/239,049
(32) Priority Date	:01/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/047578
Filing Date	:01/09/2010
(87) International Publication No	:WO 2011/028837 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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(72)**Name of Inventor :**  
**1)BOND, CHRIS**

(57) Abstract :

A system and process is provided for the conversion of a stream of two-dimensional images into a pair of streams of images for providing the perception of a stream of three-dimensional images. Each complimentary image in the image stream undergoes the application of a selection and remapping process to independently alter portions of the image, so that the remapping shift the image elements in a manner which produces a stereo depth effect when, the images are viewed through the appropriate viewing device.

No. of Pages : 70 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1637/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/02/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : PSEUDO SUNLIGHT EMITTING DEVICE

(51) International classification	:F21S2/00
(31) Priority Document No	:2011-001715
(32) Priority Date	:07/01/2011
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/070649
Filing Date	:09/09/2011
(87) International Publication No	:WO/2012/093508
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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OSAKA-SHI, OSAKA 545-8522 Japan  
(72)Name of Inventor :  
**1)MINAMI, KOHJI**

(57) Abstract :

A pseudo sunlight emitting device includes a first light source for emitting first light having a certain spectral distribution; a first light guide member for receiving, at its light incident surface, the first light from the first light source, and for emitting, via its light emission surface, light having a controlled directivity; a first optical filter for adjusting a spectrum of the light emitted from the first light guide member; a second light source for emitting second light whose accumulative irradiance in an infrared wavelength region is greater than an accumulative irradiance of a wavelength region of light shorter in wavelength than infrared light; second light guide members for receiving, at their light incident surfaces, the second light from the second light source, and for emitting, via their light emission surfaces, light having a controlled directivity; a second optical filter(s) for adjusting a spectrum of the light emitted from the second light guide member, a number of the second light guide members being greater than that of the first light guide member by n times, where n is a natural number not less than 2.

No. of Pages : 50 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2371/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : QUINOLINE DERIVATIVE-CONTAINING PHARMACEUTICAL COMPOSITION

(51) International classification :A61K31/47  
(31) Priority Document No :2009-190145  
(32) Priority Date :19/08/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/063804  
Filing Date :16/08/2010  
(87) International Publication No :WO 2011/021597  
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)BANDO, MASASHI**

(57) Abstract :

A phannaceutical composition comprising a compound represented by the formula (!) or pharmaceutically acceptable salt thereof or solvate thereof; and a basic substance is excellent in dissolution, is stable even after a long term storage, and is useful as a preventive or therapeutic agent against a tumor: wherein, R1 is a hydrogen atom, a C1-6 alkyl group or a C3-8 cycloalkyl group; and R2 is a hydrogen atom or a methoxy group.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2447/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : MANAGEMENT SERVER, COMMUNICATION SYSTEM, COMMUNICATION TERMINAL, AND RELAY DEVICE

(51) International classification	:H04W16/26
(31) Priority Document No	:2009-220482
(32) Priority Date	:25/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/063178
Filing Date	:04/08/2010
(87) International Publication No	:WO 2011/036951
	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)RYO SAWAI**

(57) Abstract :

Provided is a management server including a receiving unit that receives from each base station information about a communication terminal belonging to the base station and about a relay device that relays communication between the base station and the communication terminal, a determination unit that determines, on the basis of the information received from each base station by the receiving unit, whether or not interference is to be generated between communications controlled by different base stations, and a base station management unit that instructs at least one of the base stations that control the communication, for which the determination unit has determined that interference is to be generated, to execute an interference avoidance control.

No. of Pages : 103 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2573/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHODS AND SYSTEMS FOR DISTRIBUTING BROADCAST MESSAGES ON VARIOUS NETWORKS

(51) International classification	:G01D4/00
(31) Priority Document No	:61/247,110
(32) Priority Date	:30/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/050355
Filing Date	:27/09/2010
(87) International Publication No	:WO 2011/041254 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)BETTENDORFF, JOHN**

**2)CALVERT, CHRIS**

(57) Abstract :

Methods and systems for sending a broadcast message in frequency hopping and other systems. Instead of sending a complete message separately to each device, a relatively small packet or chirp is sent. These chirps are either targeted at known devices or sent in a manner to sweep the RF band. Devices that hear the chirps get information about the channel and/or time that the broadcast data will be sent. These devices then listen for the broadcast data as instructed, e.g., at the specified time on the specified channel. A system may alternatively, or in addition, use a scheduled hopping sequence break as a broadcast moment. Such a broadcast moment can be scheduled to periodically interrupt the node hopping sequences so that, at such times, many or all nodes are scheduled to be on the same channel for potential broadcasts.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2505/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : PRODUCTION METHOD OF O/W EMULSION COMPOSITION

(51) International classification	:A61K8/06
(31) Priority Document No	:2009-205236
(32) Priority Date	:04/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/065003
Filing Date	:02/09/2010
(87) International Publication No	:WO 2011/027811
	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 :**  
**1)ARAKI, HIDEFUMI**  
**2)MIYAHARA, REIJI**

(57) Abstract :

The present invention provides a production method that can easily produce an O/W emulsion composition without using a special cooling apparatus and be economical. The production method of an O/W emulsion composition comprising: emulsifying, at 70 °C or higher, an oil phase with a portion of a water phase to prepare an emulsified part, wherein the oil phase comprises (A) a nonionic surfactant, (B) a linear higher alcohol that has 16 or more carbon atoms and can form an a-gel in water with the nonionic surfactant, and (C) an oil component, and the water phase comprises (D) water; mixing the remaining main water phase at 10 to 35 °C with the emulsified part while being stirred, to cool the emulsified part with continuous stirring to the lower temperature limit, or lower, of a temperature range wherein the oil phase forms an a-gel in the water phase; and then stopping the stirring.

No. of Pages : 44 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2541/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : INDOLE DERIVATIVES AS CRAC MODULATORS

(51) International classification :C07D 209/18

(31) Priority Document No :61/245521

(32) Priority Date :24/09/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/EP2010/063838  
Filing Date :21/09/2010

(87) International Publication No :WO 2011/036130  
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)HAWLEY, RONALD CHARLES**

**4)KENNEDY-SMITH, JOSHUA**

**5)MINATTI, ANA ELENA**

**6)PALMER, WYLIE SOLANG**

**7)SILVA, TANIA**

**8)WILHELM, ROBERT STEPHEN**

(57) Abstract :

Compounds of the formula I: or pharmaceutically acceptable salts thereof, wherein R1, R2, R3 and R4 are as defined herein. Also disclosed are methods of making the compounds and using the compounds for treatment of diseases associated with calcium release-activated calcium channels (CRAC).

No. of Pages : 278 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2559/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : LOW LATENCY CACHEABLE MEDIA STREAMING

(51) International classification :H04L12/56  
(31) Priority Document No :61/249, 257  
(32) Priority Date :06/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/051695  
Filing Date :06/10/2010  
(87) International Publication No :WO 2011/044285 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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**2)DUGGARAJU, KRISHNA PRAKASH**  
**3)LIU, LIN**  
**4)FREELANDER, JACK, E.**  
**5)LIN, NING**  
**6)ROY, ANIRBAN**

(57) Abstract :

A low latency streaming system provides a stateless protocol between a client and server with reduced latency. The server embeds incremental information in media fragments that eliminates the usage of a typical control channel. In addition, the server provides uniform media fragment responses to media fragment requests, thereby allowing existing Internet cache infrastructure to cache streaming media data. Each fragment has a distinguished Uniform Resource Locator (URL) that allows the fragment to be identified and cached by both Internet cache servers and the client's browser cache. The system reduces latency using various techniques, such as sending fragments that contain less than a full group of pictures (GOP), encoding media without dependencies on subsequent frames, and by allowing clients to request subsequent frames with only information about previous frames.

No. of Pages : 38 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2649/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD AND DEVICE FOR HARMLESS TREATMENT AND HIGH-EFFICIENCY RESOURCE RECYCLING OF WASTE REFRIGERATOR

(51) International classification :B09B 3/00  
(31) Priority Document No :200910044409.2  
(32) Priority Date :25/09/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/001431  
Filing Date :17/09/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**2)Yehua LIU**  
**3)Yuping ZHANG**  
**4)Qilin LI**  
**5)Peng LI**

(57) Abstract :

A method and a device for harmless treatment and high-efficiency resource recycling of waste refrigerator. In a disassembling station components such as plastic electrical appliance box a compressor a condenser and the like are disassembled manually; in a fluoride extracting station refrigerant in the compressor is recycled by a refrigerant negative-pressure extracting and recycling device; the rest refrigerator body and door are sent into a double-shaft shredder and a rolling crusher to be crushed or into a mixing crusher; the crushed materials are sorted by wind force magnetically separated by a permanent magnet self-discharge type iron remover and a cylinder iron remover and sorted by an eddy current sorter thus realizing recycling and regeneration of more than 95% resource.....

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

(54) Title of the invention : IMPROVED CLAMP PER CONNECTION TO THE POLES OF ELECTRICAL BATTERY

(51) International classification :H01R 11/28  
 (31) Priority Document No :VI2009A000235  
 (32) Priority Date :28/09/2009  
 (33) Name of priority country :Italy  
 (86) International Application No :PCT/IB2010/002420  
 Filing Date :27/09/2010  
 (87) International Publication No : NA  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

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LIMENA (Padova) Italy

(72)Name of Inventor :

**1)Danilo FACCO****2)Moreno FRANCO****3)Francesco ARTUSO**

(57) Abstract :

The invention is a terminal (1; 20; 30; 50) for electrical connections of the type comprising a shaped body (2; 22; 42) substantially in the shape of a C, suitable for coupling with the pole (P) of a battery; two projecting parallel laminate elements (3; 33) at the level of the open section (4) of the C-shaped body (2; 42); tightening means (31; 51) associated with the laminate elements (3; 33) for clamping the shaped body (2; 22; 42) around the pole (P) comprising one pair of inclined planes (32) provided outside the laminate elements (33), one pair of inclined counterplanes (34) in a fork-shaped body (35) and screw means (36; 56) for mutually forcing the inclined planes (32) and the inclined counterplanes (34); connection means (9; 23) associated with the shaped body (2; 22; 42) for connection to the end of one or more electric wires. In both the projecting laminate elements (3; 33) there are counteracting projections (41) suited to cooperate by mutual contact when the tightening means (31; 51) lock the shaped body (2; 22) around the pole (P).

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

(54) Title of the invention : METHOD FOR SIGNALING A BRAKING PROCESS AT A TRAILER VEHICLE, CONTROL DEVICE FOR THIS PURPOSE AND LIGHT SYSTEM, TRAILER VEHICLE BRAKE INSTALLATION AND TRAILER VEHICLE HAVING SAID CONTROL DEVICE

(51) International classification	:B60T 17/22	(71)Name of Applicant :
(31) Priority Document No	:10 2009 058 814.0	<b>1)WABCO GMBH</b>
(32) Priority Date	:18/12/2009	Address of Applicant :AM LINDENER HAFEN 21, 30453
(33) Name of priority country	:Germany	HANNOVER Germany
(86) International Application No	:PCT/EP2010/006869	(72)Name of Inventor :
Filing Date	:11/11/2010	<b>1)BARLSEN, HOLGER</b>
(87) International Publication No	:WO 2011/072780	<b>2)LANGE, TOBIAS</b>
	A8	<b>3)RISSE, RAINER</b>
(61) Patent of Addition to Application	:NA	<b>4)STENDER, AXEL</b>
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

The invention relates to a method for signaling a braking process at a trailer vehicle 2, wherein according to the invention a control device 9 which is arranged on the trailer vehicle 2 determines at least one braking value A which is assigned to the braking process, and actuates at least one brake light 19, arranged on the trailer vehicle 2, as a function of this braking value A in such a way that depending on this braking value A the braking process is signaled differently at the trailer vehicle 2 compared to a signaling operation. In the case of at least one other braking value A which can be determined by this control device 9 during a braking process. As a result, for example an emergency braking situation can be signaled to traffic following the trailer vehicle 2 thereby improving safety in road traffic. In addition, the invention relates to the control device 9 for carrying out the method and to a light system and to a trailer vehicle brake installation, each having this control device 9, and to a trailer vehicle 2 which has the control device 9 and/or this light system and/or trailer vehicle brake installation.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2590/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : MOLDING FILM

(51) International classification	:B32B27/08
(31) Priority Document No	:2009-220258
(32) Priority Date	:25/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/065497
Filing Date	:09/09/2010
(87) International Publication No	:WO 2011/037018
	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)UTO, TAKAYUKI**  
**2)OSADA, SYUNICHI**

(57) Abstract :

Provided are a molding film from which a laminate showing no washout of a print layer or disturbance of layers can be obtained at low cost and a molded body using such a film. In the molding film, a layer made of a resin having a glass transition temperature of not less than 150°C is formed between a layer made of a thermoplastic resin and a print layer.

No. of Pages : 51 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2643/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : ANTIMICROBIAL AMINO-SALICYLIC ACID DERIVATIVES

(51) International classification	:A61K31/167
(31) Priority Document No	:09168669.1
(32) Priority Date	:26/08/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/061804
Filing Date	:13/08/2010
(87) International Publication No	:WO 2011/023573
	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)HOLZL, WERNER**

**2)PURSCHWITZ, JANINA**

(57) Abstract :

Disclosed is a novel method for achieving an antimicrobial, preservative and/or microorganism adhesion inhibiting effect, for the protection within an article and/or material or on the surface of an article and/or material. The novel method comprises application of a salicylic compound of the formula I (I) wherein one of A and A' is a residue of the formula I while the other is hydrogen; R1 is C1-C22alkyl, C3-C12cycloalkyl, C3-C12cycloalkyl interrupted by O and/or NR5, C4-C12aryl, C5-Ci8arylalkyl; R2 is OR3 or NHR4; R3 and R4 are selected from H, C1-C22alkyl, C3-C12cycloalkyl, C3-C12cycloalkyl interrupted by O and/or NR5, C4-C12aryl, C5-C18arylalkyl; R5 is H or C5-C18alkyl; wherein each aryl moiety is unsubstituted or substituted by C1-C4alkyl, C1-C4alkoxy, Cr C4acyl, C1-C4acyloxy, C1-C4acylamino, CF3, OH, amino, halogen; or an adduct or salt thereof; to said article and/or material.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2651/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : BATTERY MODULE

(51) International classification	:H01M 2/12
(31) Priority Document No	:2009-216463
(32) Priority Date	:18/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/004674
Filing Date	:21/07/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**1)Toshiki ITOI**  
**2)Shunsuke YASUI**  
**3)Hiroshi TAKASAKI**

(57) Abstract :

The case 20 housing a plurality of cells 100 is divided by a circuit board 30 provided at the same sides of the cells 100 into a housing space 50 housing the cells 100 and an exhaust duct 60 for releasing a gas from the vents 8a of the cells 100 to outside the case 20. The vents 8a of the cells 100 communicate with the exhaust duct 60 through openings 30a formed in the flat plate 30. The exhaust duct 60 is divided into a first space 61 and a second space 62 by a partition 40 provided between the flat plate 30 and an external plate 21 of the case 20. The first space 61 communicates with the second space 62 through through holes 40a formed in the partition 40.

No. of Pages : 56 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2652/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : BATTERY BLOCK AND BATTERY MODULE

(51) International classification	:H01M 2/10
(31) Priority Document No	:2010-208899
(32) Priority Date	:17/09/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/002737
Filing Date	:17/05/2011
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**2)Shinya GESHI**  
**3)Yoshiaki KOBAYASHI**  
**4)Takashi NAKAGAWA**

(57) Abstract :

A battery block includes a metal case including a side surface and a bottom surface and a plurality of cells accommodated in the metal case wherein each cell includes a first electrode and a second electrode which is electrically insulated from the first electrode and also serves as a cell case of the cell the plurality of cells are aligned with the first electrodes being in a same direction the first electrodes of the plurality of cells are connected to a connector arranged to face an opening of the metal case the second electrodes of the plurality of cells are connected to the bottom surface of the metal case the height of the side surface of the metal case is substantially the same as the height of the cells and the opening of the metal case is almost completely covered with the connector.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2653/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : TOUCH-SENSITIVE SYSTEM AND METHOD FOR CONTROLLING THE OPERATION THEREOF

(51) International classification :G06F 3/042

(31) Priority Document No :0901145-3

(32) Priority Date :02/09/2009

(33) Name of priority country :Sweden

(86) International Application No :PCT/SE2010/050933

Filing Date :01/09/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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Address of Applicant :Traktorvgen 11 S-226 60 Lund  
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(72)Name of Inventor :

**1)Tomas CHRISTIANSSON**

**2)Ola WASSVIK**

(57) Abstract :

A touch-sensitive system comprises a light transmissive panel (1) defining a touch surface and an opposite surface; an illumination arrangement (3) comprising emitters (2) configured to introduce light into the panel (1) for propagation in the panel (1) in an emission pattern; a light detection arrangement (5) comprising detectors (4) configured to receive the light propagating in the panel (1). A control unit (6) is arranged to control the operation of the touch-sensitive system. The control unit (6) executes a control method to monitor the light received in the light detecting arrangement (5) for detection of touches on the touch surface the touches attenuating the light propagating in the panel (1). The control method also selects a mode for the emission pattern in dependence of the occurrence of touches on the touch surface and controls the emission pattern in accordance with the selected mode.

No. of Pages : 33 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2654/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD DEVICE AND SYSTEM FOR IMPLEMENTING EMERGENCY CALL OVERRIDE SERVICE

(51) International classification	:H04W 4/16
(31) Priority Document No	:200910176118.9
(32) Priority Date	:18/09/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/075333
Filing Date	:20/07/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**  
**1)ZUO Mei**  
**2)HUANG Yongping**  
**3)LING Wenjie**  
**4)TANG Jingzhu**

(57) Abstract :

The present disclosure provides a method, device and system for implementing emergency call override service; wherein the implementation method comprise: a first application server (AS) on a called side receives an initial request message, carrying a service identifier indicating an emergency call override service, from a second AS on a calling side; and the first AS implements the emergency call override service according to the service identifier. In the IMS network architecture, by adding a service identifier, indicating emergency call override service, in an initial request message based on SIP, an AS network element on a called side can implement emergency call override service according to the service identifier, thereby solving the problem that the emergency call override service cannot be implemented in the current IMS network architecture.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2659/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHODS AND SYSTEMS FOR OCCLUSION TOLERANT FACE RECOGNITION

(51) International classification :G06K 9/62  
(31) Priority Document No :12/573,051  
(32) Priority Date :02/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/050949  
Filing Date :30/09/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)**Name of Inventor :**  
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**2)LIU Yinyin**  
**3)BENDER Paul E.**

(57) Abstract :

Certain embodiments of the present disclosure relate to a method for face recognition that is occlusion tolerant and scale/shift invariant based on a combination of hierarchical maximization and adaptive representation technique.

No. of Pages : 35 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2660/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : SIGNALING IDENTIFICATION OF MACHINE TO MACHINE DEVICES AND SERVICES

(51) International classification :H04L29/08  
(31) Priority Document No :61/246,830  
(32) Priority Date :29/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/050782  
Filing Date :29/09/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**3)CASACCIA Lorenzo**

**4)NASIELSKI John Wallace**

**5)JIN Haipeng**

**6)PANDIT Krishna S.**

**7)TENNY Nathan Edward**

(57) Abstract :

Certain aspects of the present disclosure propose methods for identifying machine to machine (M2M) devices and services. Each device may indicate its M2M functionality either for each of the services performed by the device or for all of its services to a core network. The core network may report the M2M functionality of the device to other nodes in the network that may be involved with the M2M functionality of the device.

No. of Pages : 49 No. of Claims : 50



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2655/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : APPARATUS FOR RECEIVING ANALOG BASEBAND SIGNAL

(51) International classification :H04B 1/18

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/KR2010/002936

Filing Date :07/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

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(62) Divisional to Application Number :NA

Filing Date :NA

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**2)Sang-Yun HWANG**

**3)Chul-Jin KIM**

**4)Jong-Rim LEE**

**5)Hyun-Kuk CHOI**

**6)Seok-Yong LEE**

(57) Abstract :

Provided is a receiving apparatus for processing an analog baseband signal in an information terminal that communicates using a dielectric. The receiving apparatus includes an electrode for receiving an electric-field signal induced in a dielectric; a first gain adjuster for adjusting a gain by amplifying the received signal; a channel selection filter for selecting only a signal corresponding to a receive channel bandwidth from the gain-adjusted signal; a second gain adjuster for adjusting a gain by amplifying the selected signal; a comparator for converting a signal output from the second gain adjuster into a digital signal; an oversampler for oversampling the digital signal at a frequency  $f_{\text{Clock}}$  higher than a receive channel frequency  $f_{\text{Signal}}$ ; a demodulator for demodulating the oversampled signal; and a clock generator for providing necessary clocks to the oversampler and the demodulator.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2656/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : REMOTE RADIO UNIT

(51) International classification :H04B 1/38  
(31) Priority Document No :200910179833.8  
(32) Priority Date :14/10/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/073528  
Filing Date :03/06/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
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**1)PAN Weiming**  
**2)LIN Qingchun**

(57) Abstract :

The disclosure discloses a remote radio unit which comprises: a common slot an antenna and a plurality of function modules; wherein the common slot is connected with the antenna and comprises a plurality of slots and each function module is inserted in a different slot of the common slot respectively. The disclosure can solve the problem that a remote radio unit is extended inconveniently while adding frequency bands and the whole remote radio unit will be greatly affected in most cases when a fault occurs in the module supporting one frequency band.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2657/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : JOINT SCALAR EMBEDDED GRAPHICS CODING FOR COLOR IMAGES

(51) International classification :H04N 1/387

(31) Priority Document No :61/251,455

(32) Priority Date :14/10/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/047397

Filing Date :31/08/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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108-0075 Japan

(72)Name of Inventor :

**1)LIU Wei**

**2)GHARAVI-ALKHANSARI Mohammad**

(57) Abstract :

An improved scalar embedded graphics coding (EGC) for wireless HD compression is described herein. The image frame to be encoded is divided into blocks which are further divided into color groups. These groups are encoded one bit plane at a time. The improved scalar EGC method and system uses shared grouping data among color components but bit planes of each color are separately encoded. Further during encoding a second-level grouping is able to occur on the splitting signaling of the groups. The system and method described herein retain the simplicity of scalar EGC and attain an efficiency comparable to vector EGC.

No. of Pages : 28 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2658/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD APPLICATION SERVER AND SYSTEM FOR PRIVACY PROTECTION IN VIDEO CALL

(51) International classification :H04W 92/18  
(31) Priority Document No :200910190278.9  
(32) Priority Date :24/09/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/076252  
Filing Date :23/08/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)**Name of Inventor :**  
**1)Xiangjun DING**

(57) Abstract :

The present invention discloses a method an application server and a system for privacy protection in a video call which are applied in a video call between a first terminal and a second terminal wherein the method includes: judging whether to perform privacy protection on the first terminal; and when determining to perform privacy protection on the first terminal playing a substitute video in a media server as a video of the first terminal to the second terminal. Using the method the application server and the system disclosed by the present invention when performing a video call between the first terminal and the second terminal not only avoids leakage of a user<sup>TM</sup>s own privacy and embarrassment but also guarantees a normal operation of the video call thus improving the convenience of 3G services.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2661/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHODS AND COMPOSITIONS FOR DELIVERING INTERLEUKIN-1 RECEPTOR ANTAGONIST

(51) International classification	:A61K
(31) Priority Document No	:12/549015
(32) Priority Date	:27/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/046821
Filing Date	:26/08/2010
(87) International Publication No	: WO/2011/031524
(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)HIGGINS, JOEL, C.**  
**2)WOODELL-MAY, JENNIFER, E.**  
**3)HOEPPNER, JACY**

(57) Abstract :

Methods and compositions generating and using an interleukin-1 receptor antagonist (IL-lra)-rich solution. Methods for generating and isolating interleukin-1 receptor antagonist include incubating adipose tissue and/or adipocytes with polyacrylamide beads to produce interleukin-1 receptor antagonist. The interleukin-1 receptor antagonist is isolated from the polyacrylamide beads to obtain the solution rich in interleukin-1 receptor antagonist. Methods for treating a site of inflammation in a patient include administering to the site of inflammation the solution rich in interleukin-1 receptor antagonist.

No. of Pages : 46 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2662/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : OSTEOLYSIS TREATMENT

(51) International classification :A61K38/20

(31) Priority Document No :12/549,116

(32) Priority Date :27/08/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/046826

Filing Date :26/08/2010

(87) International Publication No : WO/2011/031525

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)BIOMET BIOLOGICS, LLC**

Address of Applicant :56, EAST BELL DRIVE WARSAW,  
INDIANA 46582 U.S.A.

(72)Name of Inventor :

**1)JACY HOEPNER**

(57) Abstract :

Methods and treatments for osteolysis employing interleukin-1 receptor antagonist (IL-1ra). Activating production of interleukin-1 receptor antagonist includes incubating adipose tissue, adipocytes, whole blood, platelet rich plasma, and/or isolated white blood cells with polyacrylamide beads to produce a solution rich in interleukin-1 receptor antagonist. Activating the production of interleukin-1 receptor antagonist includes using an implantable device loaded with adipose tissue, adipocytes, whole blood, platelet rich plasma, and/or isolated white blood cells. Methods for treating osteolysis at the site of an artificial joint in a patient include administering and/or inserting the solution rich in interleukin-1 receptor antagonist and/or the implantable device, respectively.

No. of Pages : 35 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2663/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : IMPLANTABLE DEVICE FOR PRODUCTION OF INTERLEUKIN-1 RECEPTOR ANTAGONIST

(51) International classification :B29C 70/20

(31) Priority Document No :61/237,484

(32) Priority Date :27/08/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/046994

Filing Date :27/08/2010

(87) International Publication No :WO 2011/031553

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)BIOMET BIOLOGICS, LLC**

Address of Applicant :56 EAST. BELL DRIVE, WARSAW, INDIANA 46582 U.S.A.

(72)Name of Inventor :

**1)HIGGINS, JOEL, C.**

**2)MCKALE, JAMES, M.**

**3)WOODELL-MAY, JENNIFER, E.**

(57) Abstract :

Treatments and devices for generating and using interleukin-1 receptor antagonist (IL-1ra). An implantable device is loaded with adipose tissue and/or white blood cells and inserted into an inflammation site in a patient to produce interleukin-1 receptor antagonist in vivo. The implantable device has an enclosed or substantially enclosed body that defines an internal space. At least a portion of the body comprises a first bioresorbable material and a second bioresorbable material is within the internal space along with one or more voids. The second bioresorbable material includes an activation surface to activate adipose tissue and/or white blood cells loaded into the device to produce IL-1ra.

No. of Pages : 35 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2664/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD OF FEEDING FUEL GAS INTO THE REACTION SHAFT OF A SUSPENSION SMELTING FURNACE AND A CONCENTRA BURNER

(51) International classification	:C22B 15/00
(31) Priority Document No	:20096071
(32) Priority Date	:19/10/2009
(33) Name of priority country	:Finland
(86) International Application No	:PCT/FI2010/050810
Filing Date	:19/10/2010
(87) International Publication No	:WO 2011/048263
	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)OUTOTEC OYJ**  
Address of Applicant :RIIHITONTUNTIE 7 02200 ESPOO  
Finland  
(72)**Name of Inventor :**  
**1)SIPILA, JUSSI**

(57) Abstract :

The invention relates to a method of feeding a fuel gas into the reaction shaft of a suspension smelting furnace and to a concentrate burner for feeding a reaction gas and fine solid matter into the reaction shaft of the suspension smelting furnace. La the method, fuel gas (16) is fed by the concentrate burner (4) to constitute part of the mixture formed by the pulverous solid matter (6) and the reaction gas (5), so that a mixture containing the pulverous solid matter (6), reaction gas (5) and fuel gas (6) is formed in the reaction shaft (2). The concentrate burner (4) comprises fuel gas feeding equipment (15) for adding the fuel gas (16) to constitute part of the mixture that is formed by fine solid matter (6) and reaction gas (5).

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2683/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : ANALYZING LOCAL NON-TRANSACTIONAL DATA WITH TRANSACTIONAL DATA IN PREDICTIVE MODELS

(51) International classification	:G06Q 30/00
(31) Priority Document No	:61/237,394
(32) Priority Date	:27/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/045171
Filing Date	:11/08/2010
(87) International Publication No	:WO 2011/028378 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)VISA U.S.A INC.**

Address of Applicant :P.O. BOX 8999, M1-12SE, SAN FRANCISCO, CALIFORNIA-94128-8999 U.S.A.

(72)Name of Inventor :

**1)FAITH, PATRICK L.**

**2)SIEGEL, KEVIN P.**

(57) Abstract :

systems and methods are provided that empowers various parties to combine transactional data and local non-transactional data using the collective intelligence gathered from a variety of sources to help the parties make more intelligent decisions relating to consumers. For example, the system can help select consumers based on the probability that the consumers will take advantage of an offer, coupon, or other item. In some embodiments, the present invention can be deployed as a part of a system that processes transactions. In this system, information associated with the transactions is analyzed in conjunction with non- transactional data in order to probabilistically determine whether a further action should be taken with the consumer.

No. of Pages : 38 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2667/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD FOR ALLOCATING FIXED RESOURCE IN BROADBAND WIRELESS COMMUNICATION SYSTEM

(51) International classification	:H04L 1/18
(31) Priority Document No	:61/253,082
(32) Priority Date	:20/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/KR2010/007209
Filing Date	:20/10/2010
(87) International Publication No	:WO 2011/049375 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)KIM, JEONGKI**  
**2)KANG, SEUNGHYUN**  
**3)RYU, KISEON**  
**4)YUK, YOUNGSOO**

(57) Abstract :

An operating method of a base station for error handling in persistent allocation of the present invention comprises the steps of: a terminal transmitting a first control message including persistent allocation information for transmitting an uplink data burst thereto; decoding the uplink data burst in a resource region allocated through the first control message; and determining whether the terminal receives the first control message on the basis of the decoding result.

No. of Pages : 57 No. of Claims : 17

(54) Title of the invention : A METHOD FOR CONTROLLING AN ELECTRIC CYLINDER AND A CONTROL SYSTEM FOR THE ELECTRIC CYLINDER

(51) International classification :H02P 3/06  
 (31) Priority Document No :2009-252518  
 (32) Priority Date :03/11/2009  
 (33) Name of priority country :Japan  
 (86) International Application No :PCT/JP2010/064918  
       Filing Date :01/09/2010  
 (87) International Publication No :WO 2011/055585  
       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)SHIRAI, YOICHIRO**  
**2)NAGASAKA, MASAHIKO**

(57) Abstract :

The invention realizes a method for controlling an electric cylinder and a control system for the cylinder that can prevent a load for pressurizing from significantly exceeding a target load and can shorten the time for the pressurization. A servo controller 17 can set the speed of the rod 11 and a load for stopping Ps that is used for determining whether the rod 11 should be stopped so that the load for pressurizing Pm does not significantly exceed the target load Pt. The servo controller 17 drives the rod 11 under the position control mode and determines whether the load for pressurizing Pm that is detected by a load detector 13 is bigger than or equal to the load for stopping Ps. If it determines that the load for pressurizing Pm is bigger than or equal to the load for stopping Ps, the servo controller 17 provides a reverse command pulse signal to a servo amplifier 16 and causes stored pulses in the servo amplifier 16 to decrease, to thereby stop the rod at the load that does not significantly exceed a target load Pt.

No. of Pages : 43 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2675/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : CONTENTS REPRODUCING DEVICE AND METHOD

(51) International classification :G06Q50/00  
(31) Priority Document No :10-2009-0078359  
(32) Priority Date :24/08/2009  
(3) Name of priority country :Republic of Korea  
(86) International Application No :PCT/KR2010/005597  
Filing Date :23/08/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)SAMSUNG ELECTRONICS CO. LTD.**  
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(72)Name of Inventor :  
**1)SUNG Ju-Yun**  
**2)CHOO Hee-Jeong**  
**3)LEE Keum-Koo**  
**4)KWAHK Ji-Young**

(57) Abstract :

A method for reproducing contents in a device is provided. The method includes identifying whether an event occurs based on a change in distance between a device and another device or a change in power status of the device or the another device and if the event occurs performing seamless play of contents between the another device and the device. Accordingly seamless play may be performed effectively.

No. of Pages : 52 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2687/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : GAS SPRING FOR SLIDING REFACTORY GATE VALVE

(51) International classification :B22D41/40

(31) Priority Document No :0914834.7

(32) Priority Date :25/08/2009

(33) Name of priority country :U.K.

(86) International Application No :PCT/GB2010/001460

Filing Date :02/08/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)MONTEBELLO Antony Rupert**

(57) Abstract :

A gas spring 10 for a sliding refractory gate valve comprising a container 12 a ram 28 which is extendable relative to the container a bellows 30 connected at one end to the ram and at the other end to a part of the container a gas 33 within the container outside the bellows and acting to compress the bellows and extend the ram wherein the ram has a blind internal bore 49 and a mechanical compression spring 46 is at least partially disposed in the bore so as to be interposed between the ram and the container and also acting to extend the ram.

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

(54) Title of the invention : METHOD AND DEVICE FOR ENCRYPTING SUBSCRIBER IDENTITY DURING PAGING PROCEDURE

(51) International classification :H04W12/00  
 (31) Priority Document No :200910177021.X  
 (32) Priority Date :17/09/2009  
 (33) Name of priority country :China  
 (86) International Application No :PCT/CN2010/072577  
     Filing Date :10/05/2010  
 (87) International Publication No : NA  
 (61) Patent of Addition to Application Number :NA  
     Filing Date :NA  
 (62) Divisional to Application Number :NA  
     Filing Date :NA

(71)**Name of Applicant :**  
**1)ZTE CORPORATION**  
 Address of Applicant :ZTE Plaza Keji Road South Hi-Tech Industrial Park Nanshan Shenzhen Guangdong 518057 China  
 (72)**Name of Inventor :**  
**1)BAI Xiaochun**

(57) Abstract :

The disclosure discloses a method and device for encrypting a subscriber identity during a paging procedure, which are particularly adapted to the paging performed by an MME using an IMSI. The method includes: A, using a key generated by the subscriber identity of the called UE to encrypt data Y which is obtained on the basis of the subscriber identity, then performing paging using a cipher text; and B, after the called UE receives the paging, determining by the called UE whether the cipher text is included, and if the cipher text is included, regarding itself as the called UE. In the first preferred embodiment, the data Y is the subscriber identity; in the second preferred embodiment, the data Y is the data combined by the subscriber identity and the random data X, and the random data X is sent along with the cipher text during the paging; in the third preferred embodiment, the data Y is the data combined by the subscriber identity and the random data Z, and the data Y contains the subscriber identity at a specific location, when receiving the paging, the UE performs decryption using the subscriber identity and determines whether the decrypted plaintext contains the subscriber identity at a location the same as the specific location to determine whether the paging is for itself.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2692/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR RETRIEVING I FRAME

(51) International classification :H04N7/26  
(31) Priority Document No :200910172132.1  
(32) Priority Date :10/09/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/072141  
Filing Date :23/04/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
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Address of Applicant :ZTE Plaza Keji Road South Hi-Tech  
Industrial Park Nanshan Shenzhen Guangdong 518057 China  
(72)Name of Inventor :  
**1)Xian LIANG**

(57) Abstract :

A method and apparatus for retrieving an I frame are disclosed in the present invention, wherein, the method includes: analyzing transport stream packets in a transport stream one by one, and if it is determined that the current transport stream packet is a video packet and includes a Packet Elementary Stream (PES) header, then making a determination according to data after the PES header in the current transport stream packet to locate initial and/or end locations of the I frame. In the present invention, without parsing syntax elements in H.264, such as a Sequence Parameter Set (SPS), a Picture Parameter Set (PPS), a slice etc., the location of the I frame can be positioned by simply comparing various Transport stream (TS) packets in the TS stream and making a determination, thus being able to find the initial and end locations of the I frame and being able to implement retrieving and positioning of the I frame quickly and accurately to provide a rapid response for user-related service applications.

No. of Pages : 18 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2699/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : CLEANING APPARATUS AN METHOD, AND MONITORING THEREOF

(51) International classification	:B08B3/10
(31) Priority Document No	:0914836.2
(32) Priority Date	:26/08/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/EP2010/062448
Filing Date	:26/08/2010
(87) International Publication No	:WO 2011/023746
	A2
(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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**3)BIRKIN, PETER, ROBERT**

(57) Abstract :

An apparatus for cleaning a surface, the apparatus comprising a body defining a chamber, an inlet for liquid flow into the chamber, an outlet for liquid flow from the chamber, a nozzle connected to the outlet for generating an output flow of liquid for ' cleaning a surface, an acoustic transducer associated with the body to introduce acoustic energy into the liquid within the chamber whereby the acoustic energy is present in the liquid flowing out of the nozzle, and a gas bubble generator for generating gas bubbles within the liquid flowing out of the nozzle.

No. of Pages : 42 No. of Claims : 25



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2705/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : PROTEIN HAVING GLYCOALKALOID BIOSYNTHETIC ENZYME ACTIVITY AND GENE ENCODING THE SAME

(51) International classification	:C12N 15/29
(31) Priority Document No	:2009-198889
(32) Priority Date	:28/08/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/064744
Filing Date	:30/08/2010
(87) International Publication No	:WO 2011/025011
	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)KIRIN HOLDING KABUSHIKI KAISHA**

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(72)Name of Inventor :

**1)UMEMOTO, NAOYUKI**

**2)SASAKI, KATSUNORI**

(57) Abstract :

An object of the present invention is to provide DNA of a glycoalkaloid biosynthetic enzyme of a solanaceous plant (Solanaceae) such as a potato. The present invention relates to a protein having glycoalkaloid biosynthetic enzyme activity of a solanaceous plant such as a potato and a method for producing/detecting a novel organism using a gene encoding the protein.

No. of Pages : 98 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2711/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : APPARATUS AND METHOD FOR REMOTE CONTROL IN A SHORT-RANGE NETWORK AND SYSTEM SUPPORTING THE SAME

(51) International classification :H04W92/08  
(31) Priority Document No :10-2009-0082237  
(32) Priority Date :01/09/2009  
(33) Name of priority country :Republic of Korea  
(86) International Application No :PCT/KR2010/005933  
Filing Date :01/09/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
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Suwon-si Gyeonggi-do 442-742 Republic of Korea.  
(72)Name of Inventor :  
**1)Ho-Yeon PARK**  
**2)Sung-Oh HWANG**  
**3)Bo-Sun JUNG**  
**4)Jun-Hyung KIM**  
**5)Ji-Eun KEUM**

(57) Abstract :

An apparatus and method for remote control in a short-range network system and a system supporting the same are provided in which from a remote device that remotely controls the application execution device using a predetermined Control User Interface (CUI) information about capability of the remote device is collected a CUI request requesting a CUI to be used for remotely controlling a currently executed application and the information about the capability of the remote device are sent to an application server a CUI matching the capability of the remote device is received from the application server in response to the CUI request and the received CUI is sent to the remote device.

No. of Pages : 35 No. of Claims : 21

(54) Title of the invention : TUBE CONNECTOR FOR A RADIO-FREQUENCY SURGICAL DEVICE HANDLE FOR AN RF SURGICAL DEVICE AND METHOD FOR CONNECTING TUBES FOR AN RF SURGICAL DEVICE TO SUCH A TUBE CONNECTOR

(51) International classification	:A61M39/10	(71)Name of Applicant :
(31) Priority Document No	:10 2009 042 948.4	<b>1)ERBE ELEKTROMEDIZIN GMBH</b>
(32) Priority Date	:24/09/2009	Address of Applicant :Waldhrnlestrae 17 72072 T¼bingen
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2010/005807	(72)Name of Inventor :
Filing Date	:22/09/2010	<b>1)HORST KEGREI</b>
(87) International Publication No	: NA	<b>2)BRITTA SCHWAHN</b>
(61) Patent of Addition to Application	:NA	<b>3)HANSJ-RG BJ-RN BESCH</b>
Number	:NA	<b>4)ACHIM BRODBECK</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

The invention relates to a tube connector for a radio-frequency surgical device comprising two end sleeves (10 20) which are each provided with an axial through channel (11 21) and connected to each other by a web (30) extending from a wall plane of the first end sleeve (10) axially in the direction of the second end sleeve (20) wherein at least the web (30) is at least partially made of an electrically conductive material and the respective end sleeves (10 20) can be compressed or crimped in some regions for fixing a tube (50 60) which can be arranged in the respective through channel (11 21). The invention further relates to a handle for an RF surgical device and to a method for connecting tubes for an RF surgical device to such a tube connector.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2701/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : BODY FLUID LANCING, ACQUIRING, AND TESTING CARTRIDGE DESIGN

(51) International classification :A61B 5/151

(31) Priority Document No :12/568,009

(32) Priority Date :28/09/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/EP2010/005688  
Filing Date :16/09/2010

(87) International Publication No :WO 2011/035867  
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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4070 BASEL Switzerland

(72)Name of Inventor :

**1)FREY, STEPHAN-MICHAEL**

**2)ROE, STEVEN, N.**

(57) Abstract :

A lancet wheel having a rim with a plurality of lancets extending radially inward from the rim is dropped in a circular frame having a plurality of spokes forming a plurality of chambers for facilitating drop-in assembly of the modular lancet wheel with the frame. A test ring having a plurality of test sections is assembled on the frame such that one test section is located adjacent each lancet to form an integrated cartridge. Each lancet includes a lancet tip defining a capillary groove sized to collect a body fluid sample from the incision via capillary action. The lancet tip exits the chamber to form the incision in skin, the capillary groove collects the body fluid sample, the lancet tip retracts into the chamber, and a portion of the lancet contacts the test section to transfer the sample from the capillary groove to the test section to analyze the sample.

No. of Pages : 107 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2713/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : SUCTION DEVICE

(51) International classification :A61M1/00

(31) Priority Document No :0915034.3

(32) Priority Date :28/08/2009

(33) Name of priority country :U.K.

(86) International Application No :PCT/GB2010/051362

Filing Date :18/08/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)Name of Inventor :

**1)GOLAGANI Ashok Kumar**

(57) Abstract :

There is provided a device comprising a funnel connected to a suction tube connectable to a suction device the funnel comprising a reversibly inflatable portion. The device is preferably a nasopharyngeal device suitable for insertion through a mouth of a patient the funnel being formed so as to be sealably locatable in or around the nasopharyngeal opening of the patient. There are further provided methods for protecting an airway of a patient from nasal-derived liquid and/or applying medicament and/or packing to a nasopharynx oropharynx or nasal cavity of a patient using the inventive device. The device provides a system in which misting of endoscopic lenses is reduced or prevented. Embodiments of the device allow for the strength of applied suction to be controlled.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2714/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : RAF INHIBITOR COMPOUNDS AND METHODS OF USE THEREOF

(51) International classification :C07D487/04

(31) Priority Document No :61/238,103

(32) Priority Date :28/08/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/046975

Filing Date :27/08/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**2)GENENTECH INC.**

(72)Name of Inventor :

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**2)RUDOLPH Joachim**

**3)REN Li**

(57) Abstract :

Compounds of Formula (I) are useful for inhibition of Raf kinases. Methods of using compounds of Formula (I) and stereoisomers tautomers and pharmaceutically acceptable salts thereof for in vitro in situ and in vivo diagnosis prevention or treatment of such disorders in mammalian cells or associated pathological conditions are disclosed.

No. of Pages : 71 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2721/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : MODULAR TEST SWITCH

(51) International classification	:H01H71/02
(31) Priority Document No	:61/239,807
(32) Priority Date	:04/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/047559
Filing Date	:01/09/2010
(87) International Publication No	:WO 2011/028822 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)BOWER, ANDREW**  
**2)MASTERS, TIMOTHY, F.**  
**3)BALL, ROY**

(57) Abstract :

A modular test switch assembly includes a plurality of stackable features that may be arranged in a variety of configurations. Each module includes a test switch and includes features to engage adjoining modules in the assembly. The entire test switch assembly is secured together using a retaining rod that is inserted through aligned thru-holes in the assembly.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2727/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : CIRCUIT ARRANGEMENT AND MANUFACTURING METHOD THEREOF

(51) International classification	:H01L25/07
(31) Priority Document No	:09171447.7
(32) Priority Date	:28/09/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/064377
Filing Date	:28/09/2010
(87) International Publication No	:WO 2011/036307
	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)SCHULZ, NICOLA**  
**2)HARTMANN, SAMUEL**

(57) Abstract :

The invention relates to a circuit arrangement (10) in which a power functional device (16) and a conductor element (18) are mounted, the arrangement (10) comprising a substrate (12), a wiring layer (14) provided on the substrate (12) and electrically connected to the functional device (16) and to the conductor element (18) and an intermediate electric contact device, which is mounted on the wiring layer (14) to provide on the side opposite to the wiring layer a contact region for contacting the the conductor element (18). According to the invention the conductor element (18) is contacting the intermediate electric contact device in the contact region which is opposite to an area, in which the electric contact device is fixed to the wiring layer. The invention further relates to a corresponding manufacturing method of a circuit arrangement.

No. of Pages : 18 No. of Claims : 19



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2741/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : DOWNLINK CONTROL INFORMATION FOR EFFICIENT DECODING

(51) International classification :H04L5/00  
(31) Priority Document No :61/249,951  
(32) Priority Date :08/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/052095  
Filing Date :08/10/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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5775 Morehouse Drive San Diego California 92121-1714  
U.S.A.  
(72)Name of Inventor :  
**1)MONTJO Juan**  
**2)CHEN Wanshi**  
**3)GAAL Peter**

(57) Abstract :

Certain aspects of the present disclosure present techniques for generating a downlink control information (DCI) message which may be transmitted with a particular organization of a downlink control channel and techniques for receiving the same. The DCI message may support uplink enhancements such as single-user multiple input multiple output (SU-MIMO) and clustered DFT-S-OFDM and may limit blind decoding operations at a user equipment.

No. of Pages : 44 No. of Claims : 56

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2742/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHODS AND APPARATUS FOR BEAM STEERING USING STEERABLE BEAM ANTENNAS WITH SWITCHED PARASITIC ELEMENTS

(51) International classification :H01Q3/44  
(31) Priority Document No :12/571,667  
(32) Priority Date :01/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/051232  
Filing Date :01/10/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**1)LIVNEH Noam**  
**2)KATSNER Raphael**  
**3)OZAKI Ernest T.**  
**4)BAR BRACHA Vered**  
**5)TASSOUDJI Mohammad A.**

(57) Abstract :

An antenna is described. The antenna includes a planar circular structure. The antenna also includes a radiating element located at the center of the planar circular structure. The antenna further includes one or more parasitic elements located on a contour around the radiating element. The parasitic elements are aligned in parallel direction with the radiating element. The parasitic elements protrude from the planar circular structure. The antenna includes switches separating each of the one or more parasitic elements from ground. A switch in a first position creates a short between a parasitic element and ground. A switch in a second position creates an open circuit between the parasitic element and ground.

No. of Pages : 52 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2749/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : COMPONENT CARRIER POWER CONTROL IN MULTI-CARRIER WIRELESS NETWORK

(51) International classification :H04W52/00

(31) Priority Document No :61/248,816

(32) Priority Date :05/10/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/051536

Filing Date :05/10/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)Name of Inventor :

**1)DAMNJANOVIC Jelena M.**

**2)GAAL Peter**

**3)MONTJOJO Juan**

(57) Abstract :

Techniques for adjusting transmit power of component carriers in a multi-carrier wireless communication system are disclosed. A base station may determine a plurality of associations relating to one or more component carriers configured for use by a user equipment. The user equipment may receive downlink control information from the base station including one or more power control commands and may adjust a transmit power of its component carriers based on the associations. The user equipment may be notified of the associations either implicitly or explicitly.

No. of Pages : 60 No. of Claims : 82

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2756/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : BACKSHEET FOR RIGID PHOTOVOLTAIC MODULES

(51) International classification	:B32B 7/12
(31) Priority Document No	:61/238,808
(32) Priority Date	:01/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/047212
Filing Date	:31/08/2010
(87) International Publication No	:WO 2011/028672 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)CHU, LIH-LONG**  
**2)CHEN, XUMING**

(57) Abstract :

The backsheet comprises a coextruded multilayer sheet that comprises: i) an inner layer comprising a polyolefin resin; ii) a core layer comprising a polypropylene resin, a blend of a polypropylene resin and a maleic anhydride grafted polypropylene (MAH-g-PP), or a polypropylene resin/MAH-g-PP multilayer structure; iii) an outer layer comprising a maleic anhydride grafted polyvinylidene fluoride (MAH-g-PVDF), a blend of a polyvinylidene fluoride (PVDF) and a MAH-g-PVDF, or a PVDF/ MAH-g-PVDF multilayer structure; iv) a first tie layer between the core layer and the outer layer; and v) an optional second tie layer between the core layer and the inner layer.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2761/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : COOLING MODULE FOR COOLING ELECTRONIC COMPONENTS

(51) International classification :H01L23/427  
(31) Priority Document No :09171455.0  
(32) Priority Date :28/09/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/057029  
Filing Date :21/05/2010  
(87) International Publication No :WO 2011/035943  
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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(72)**Name of Inventor :**  
**1)GRADINGER, THOMAS**  
**2)YESIN, BERK**  
**3)AGOSTINI, FRANCESCO**

(57) Abstract :

The present invention relates to the cooling of power electronic components, in particular to a cooling module comprising a condenser and to a power module comprising the cooling module as well as to a method for cooling electric and/or electronic components. A cooling module (100) with a condenser (1) having at least one panel (11) is provided for cooling electric and/or electronic components. Two sheets (114, 115) of the panel are attached to one another by a process involving roll-bonding such that a conduit (113) is formed between the two sheets (114, 115). The conduit (113) is extending in a direction of a plane formed by the sheets (114, 115). A coolant (5) is present in the conduit (113). Cooling may be provided by evaporating the coolant (5) at an evaporation section of the panel (11) and by condensing the coolant (5) at a condensing section of the panel (11). A heat load may be transferred from a heat source (3) such as an electric and/or electronic component to a heat receiving unit (2, 2A, 2B). The heat receiving unit (2, 2A, 2B) is adapted to transfer the heat load to the panel (11) which transfers the heat load to an ambient by a thermal carrier (4) such as air (4).

No. of Pages : 45 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2726/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : COMPOSITIONS OF DIBROMOMALONAMIDE AND THEIR USE AS BIOCIDES

(51) International classification :A01N37/30

(31) Priority Document No :61/246,191

(32) Priority Date :28/09/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/050349

Filing Date :27/09/2010

(87) International Publication No :WO 2011/038321 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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(72)Name of Inventor :

**1)YIN, BEI**

**2)GARTNER, CHARLES, D.**

**3)SINGLETON, FREDDIE, L.**

(57) Abstract :

A biocidal composition comprising 2,2-dibromomalonamide and 2,2-dibromo-3-nitrilopropionamide, and its use for the control of microorganisms in aqueous and water - containing systems.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2765/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR USING CHANNEL STATE INFORMATION REFERENCE SIGNAL IN WIRELESS COMMUNICATION SYSTEM

(51) International classification	:H04L5/00
(31) Priority Document No	:61/249,906
(32) Priority Date	:08/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/052101
Filing Date	:08/10/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**1)FARAJIDANA Amir**

**2)GOROKHOV Alexei Yurievitch**

**3)MONTJOJO Juan**

**4)BHATTAD Kapil**

(57) Abstract :

A method for wireless communication is disclosed which includes selecting a first resource pattern comprising resource elements that are non-colocated with a second resource pattern and allocating the first resource pattern to a plurality of antennas for transmitting a channel state information reference signal.

No. of Pages : 49 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2766/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : A KETTLE•

(51) International classification :A47J27/21

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/IB2009 006697  
Filing Date :31/08/2009

(87) International Publication No : NA

(61) Patent of Addition to Application  
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)Name of Inventor :

**1)VON SEIDEL MICHAEL**

(57) Abstract :

A kettle (1) is provided having a body (2) with a lowermost outer periphery (3), a water chamber (4) inside the body wherein the water chamber has a bottom (5), a lower region (6) immediately above the bottom and a central region (7) that together define a maximum volume of water of at least 1 litre, and typically from 1.4 to 1.8 litres. A transparent wall section or window (9) enables visual observation of the water level. Electrical heating means (11, 21, 27, 28) are provided for heating the water. The lower region of the water chamber has an average horizontal sectional area that is not more than 75%, and preferably not more than 50% of the area enclosed by the lowermost outer periphery. This enables one or 2 cups of water to occupy a greater vertical height in the water chamber and a minimum volume of water of 400 millilitres, and preferably 300 millilitres or less to be visible through the transparent wall section or window. The arrangement greatly facilitates introducing only one or two cups of water into the kettle.

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



(54) Title of the invention : RAF INHIBITOR COMPOUNDS AND METHODS OF USE THEREOF•

(51) International classification :C07D487/04  
 (31) Priority Document No :61/238,109  
 (32) Priority Date :28/08/2009  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/US20 0/046955  
       Filing Date : 7/08/2010  
 (87) International Publication No : NA  
 (61) Patent of Addition to Application Number :NA  
       Filing Date :NA  
 (62) Divisional to Application Number :NA  
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**8)GRINA Jonas**  
**9)HANSEN Joshua D.**  
**10)LAIRD Ellen**  
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**12)REN Li**  
**13)WENGLOWSKY Steven Mark**

(57) Abstract :

Compounds of Formula I are useful for inhibition of Raf kinases. Methods of using compounds of Formula I and stereoisomers tautomers prodrugs and pharmaceutically acceptable salts thereof for in vitro in situ and in vivo diagnosis prevention or treatment of such disorders in mammalian cells or associated pathological conditions are disclosed.

No. of Pages : 142 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2787/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD FOR PRECLINICAL TESTING OF IMMUNOMODULATORY DRUGS•

(51) International classification :G01N33/50

(31) Priority Document No :09012276.3

(32) Priority Date :28/09/2009

(33) Name of priority country :EPO

(86) International Application N :PCT/EP2010/064385

Filing Date :28/09/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**1)THERAMAB GMBH**

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(72)Name of Inventor :

**1)HNIG Thomas**

(57) Abstract :

The invention teaches a method for testing a prospective or known immunomodulatory drug for T-cell activation comprising the step of contacting in-vitro a peripheral blood mononuclear cell (PBMC) culture with a predetermined amount of the prospective or known immunomodulatory drug and observing the PBMC culture for T-cell activation using a readout system upon contact with the prospective or known immunomodulatory drug wherein the cell density of a PBMC preculture is adjusted such that cell-cell contact of the PBMC is enabled and wherein the PBMC preculture is cultured for at least 12h.

No. of Pages : 25 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2788/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : IMPACT SENSING USABLE WITH FLEET MANAGEMENT SYSTEM

(51) International classification :B60W 50/08

(31) Priority Document No :12/569,384

(32) Priority Date :29/09/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/050634

Filing Date :29/09/2010

(87) International Publication No :WO 2011/041351 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)WINNER, DEAN, E.**

**3)KOVACH, MICHAEL, P.**

**4)WELLMAN, TIMOTHY, A.**

(57) Abstract :

A method of monitoring operation of a vehicle detects an application of force to the vehicle and a change of momentum of the vehicle is calculated. If the change of momentum and the application of force are determined to occur within a predetermined time period of one another, an impact signal is generated.

No. of Pages : 89 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2764/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : DETERMINATION OF CELL RESELECTION PARAMETERS BY THE ACCESS POINT

(51) International classification	:H04W36/00
(31) Priority Document No	:61/254,148
(32) Priority Date	:22/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/053869
Filing Date	:22/10/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**1)YAVUZ Mehmet**  
**2)MESHKATI Farhad**  
**3)JIANG Yi**

(57) Abstract :

A parameter for transmission by an access point is determined in a manner that facilitates access terminal mobility. For example a cell reselection parameter and/or a handover parameter may be determined based on the quality of a signal from one access point (e.g. a macro cell) at another access point (e.g. a femto cell). In addition a cell reselection parameter and/or a handover parameter may be determined based on the proximity of one access point (e.g. a femto cell) to another access point (e.g. a macro cell). Through the use of these techniques a parameter may be determined in a manner that mitigates access terminal ping-ponging between access points and that mitigates outages that may otherwise occur as a result of an access terminal remaining on an access point too long.

No. of Pages : 75 No. of Claims : 68

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2797/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : PILOT SIGNAL ALLOCATION METHOD AND APPARATUS FOR MULTI-USER WIRELESS SYSTEMS

(51) International classification	:H04L 25/02
(31) Priority Document No	:12/586,823
(32) Priority Date	:29/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/049216
Filing Date	:17/09/2010
(87) International Publication No	:WO 2011/041132 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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(72)**Name of Inventor :**  
**1)ASHIKHMIN, ALEXEI**  
**2)MARZETTA, THOMAS, LOUIS**

(57) Abstract :

A construction is provided for uplink pilot signals in a cellular network. Three sets of pilot signals are defined, having orthogonality properties that lead to reduced inter-cell interference. In example embodiments, the network has a reuse factor of 3 for pilot signals, with sets U, V, and W of pilot signals assigned to cells in respective reuse classes. The pilots of each set form an orthogonal basis. Some pilots of each class, i.e. those which will generally be assigned to mobile stations near the cell edges, will also form an orthogonal basis with some pilots of each of the other classes.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2815/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : DISPLAY DEVICE

(51) International classification	:G06F 3/041
(31) Priority Document No	:2009-202513
(32) Priority Date	:02/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/063820
Filing Date	:16/08/2010
(87) International Publication No	:WO 2011/027665
	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 :**  
**1)HASUI, RYOJI**

(57) Abstract :

Information is displayed on display (110) included in display device (100) having a capacitive touch panel function. Sensor (120) measures a variation in capacitance on display (110), and outputs the measured variation in capacitance and position information indicating the position at which the capacitance varies. Controller (130) determines whether or not a finger is in proximity to display (110) on the basis of the variation in capacitance output from sensor (120). If it is determined that the finger is in proximity to display (110), coordinates on display (110) are fixed according to the position indicated by the position information. A screen displayed on display (110) is enlargingly displayed on display (110) centered on the fixed coordinates at a prescribed magnification, and the coordinates are secured until it is determined that the finger is not in proximity to display (110).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2816/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : INFORMATION SYSTEM FOR INDUSTRIAL VEHICLES INCLUDING CYCLICAL RECURRING VEHICLE INFORMATION MESSAGE

(51) International classification	:G06Q 50/00
(31) Priority Document No	:61/238,916
(32) Priority Date	:01/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/047090
Filing Date	:30/08/2010
(87) International Publication No	:WO 2011/028649 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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(72)**Name of Inventor :**  
**1)WELLMAN, TIMOTHY, A.**  
**2)WINNER, DEAN, E.**

(57) Abstract :

Industrial vehicles communicate across a wireless environment and the wireless communication, data collection and/or processing capabilities of industrial vehicles are leveraged against robust software solutions to implement enterprise wide vehicle management functions, to integrate industrial vehicle data into existing enterprise workflows and/or to enable trusted third party integration into the enterprise for enhanced asset and/or workflow management. Still further, wireless communication, data collection and/or processing capabilities of industrial vehicles are leveraged with robust software solutions that aggregate and analyze data across multiple enterprises and/or promote the exchange of information between independent entities.

No. of Pages : 44 No. of Claims : 15

(54) Title of the invention : LOW YIELD RATIO, HIGH STRENGTH AND HIGH UNIFORM ELONGATION STEEL PLATE AND METHOD FOR MANUFACTURING THE SAME

(51) International classification :C22C 38/00  
 (31) Priority Document No :2009-226703  
 (32) Priority Date :30/09/2009  
 (33) Name of priority country :Japan  
 (86) International Application No :PCT/JP2010/067311  
       Filing Date :28/09/2010  
 (87) International Publication No :WO 2011/040622  
       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)SHIMAMURA, JUNJI**  
**2)ISHIKAWA, NOBUYUKI**  
**3)SHIKANAI, NOBUO**

(57) Abstract :

Disclosed are a steel plate, which shows an excellent aging treatment resistance of API 5L X70 grade or lower and has a low yield ratio, a high strength and a high uniform elongation, and a method for producing the same. Specifically disclosed is a steel plate showing an excellent strain aging resistance and having a low yield ratio, a high strength and a high uniform elongation, which comprises, in terms of mass%, 0.06-0.12% of C, 0.01-1.0% of Si, 1.2-3.0% of Mn, 0.015% or less of P, 0.005% or less of S, 0.08% or less of AL 0.005-0.07% of Nb, 0.005-0.025% of TL 0.010% or less of N, 0.005% or less of O, and Fe and unavoidable impurities as the remainder, and the metal tissue of which consists of two phases of bainite and island martensite wherein the area proportion of the island martensite is 3-20% and the circle equivalent diameter thereof is 3.0 um or less, characterized in that the uniform elongation of the steel plate before and after a strain aging treatment for 30 minutes or shorter at a temperature of 250°C or lower is 7% or more and the yield ratio thereof is 85% or less.

No. of Pages : 48 No. of Claims : 3



(54) Title of the invention : LOW YIELD RATIO, HIGH STRENGTH AND HIGH TOUGHNESS STEEL PLATE AND METHOD FOR MANUFACTURING THE SAME

(51) International classification :C22C 38/00  
 (31) Priority Document No :2009-226704  
 (32) Priority Date :30/09/2009  
 (33) Name of priority country :Japan  
 (86) International Application No :PCT/JP2010/067316  
 Filing Date :28/09/2010  
 (87) International Publication No :WO 2011/040624  
 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)SHIKANAI, NOBUO**

(57) Abstract :

Provided are a steel plate having a low yield ratio, high strength, and high toughness and having excellent strain ageing resistance required of API 5L X70 and lower grades and a process for producing the steel plate. The steel plate having a low yield ratio, high strength, and high toughness and having excellent strain ageing resistance is characterized by having a composition which contains, in terms of mass%, 0.03-0.06% C, 0.01-1.0% Si, 12-3.0% Mn, up to 0.015% P, up to 0.005% S, up to 0.08% AL 0.005-0.07% Nb, 0.005-0.025% Ti, up to 0.010% N, and up to 0.005% O, the remainder comprising Fe and incidental impurities, and by having a metallographic structure composed of three phases, i.e., bainite, island martensite, and quasi-polygonal ferrites, wherein the areal proportion of the bainite is 5-70%, the areal proportion of the island martensite is 3-20%, the island martensite having an equivalent-circle diameter of 3.0  $\mu$ m or smaller, and the remainder is the quasi-polygonal ferrites. The steel plate is further characterized by having yield ratios of 85% or lower respectively before and after strain ageing conducted at a temperature of 250°C or lower for a period of 30 minutes or shorter and having Charpy absorbed energies at -30°C of 200 J or higher respectively before and after the ageing.

No. of Pages : 50 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2817/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : PRE-FILTRATION ADJUSTMENT OF BUFFER SOLUTES

(51) International classification :C07K16/06

(31) Priority Document No :09012316.7

(32) Priority Date :29/09/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/062554

Filing Date :27/08/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)Name of Inventor :

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**2)KUHNE Wolfgang**

**3)ROSENBERG Eva**

**4)WINTER Gerhard**

(57) Abstract :

Herein is reported a tangential flow filtration method with a pie-filtration solute concentration adjustment in order to ensure a defmed concentration of the components of the solution after tangential flow filtration.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2818/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : OLIGOMER-CALCIMIMETIC CONJUGATES AND RELATED COMPOUNDS

(51) International classification :A61K47/48

(31) Priority Document No :61/246,931

(32) Priority Date :29/09/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/050761

Filing Date :29/09/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**1)RIGGS-SAUTHIER Jennifer**

**2)CHENG Lin**

**3)MARTIN David**

(57) Abstract :

The invention relates to a conjugate comprising a calcimetic including cinacalcet covalently attached via a linkage to a water-soluble non-peptidic oligomer or polymer preferably to poly (ethylene glycol).

No. of Pages : 80 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2819/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : ABSORBER PIPE

(51) International classification	:F24J2/05
(31) Priority Document No	:10 2009 045 100.5
(32) Priority Date	:29/09/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/064498
Filing Date	:29/09/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**  
**1)KUCKELKORN Thomas**  
**2)M-LLENHOFF Marc**  
**3)ALBERS Christina**  
**4)EICHEL Paul**

(57) Abstract :

The present invention relates to an absorber pipe, in particular for solar collectors in solar thermal power plants, having at least one collector mirror (12), comprising a metal pipe (22) for conducting and heating a heat transfer medium, a cladding pipe (24) surrounding the metal pipe (22) for forming an annular space (26) that can be evacuated, a wall (34) extending between the cladding pipe (24) and the metal pipe (22) for sealing the annular space (26), and a retaining device (32) for a getter material (46) or a container (48) filled with getter material (46) or inert gas, having a receiving section (44) for receiving the getter material (46) or the container (48). The retaining device (32) is fastened to the wall (34). The invention further relates to an absorber pipe having at least one collector mirror (12), wherein the absorber pipe comprises a metal pipe (22) for conducting and heating a heat transfer medium, a cladding pipe (24) surrounding the metal pipe (22) for forming an annular space (26) that can be evacuated, and a getter material (46) disposed in the annular space (26) for binding free hydrogen present in the annular space (26), wherein a reflector (94) disposed in the annular space (26) is provided for reflecting radiation (14), said reflector comprising a housing (90) having a support section (92) for fastening and protecting the getter material (46) from the radiation (14).

No. of Pages : 44 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2820/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : SIGNAL PROCESSING APPARATUS AND METHOD, AND PROGRAM

(51) International classification :G01L 19/02  
(31) Priority Document No :2010-174758  
(32) Priority Date :03/08/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2011/004260  
Filing Date :27/07/2011  
(87) International Publication No :WO 2012/017621  
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)YUKI YAMAMOTO**  
**2)TORU CHINEN**  
**3)MITSUYUKI HATANAKA**

(57) Abstract :

A method, system, and computer program product for processing an encoded audio signal is described. In one exemplary embodiment, the system receives an encoded low-frequency range signal and encoded energy information used to frequency shift the encoded low-frequency range signal. The low-frequency range signal is decoded and an energy depression of the decoded signal is smoothed. The smoothed low-frequency range signal is frequency shifted to generate a high-frequency range signal. The low-frequency range signal and high-frequency range signal are then combined and outputted.

No. of Pages : 60 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2822/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : SCALABLE CHANNEL FEEDBACK FOR WIRELESS COMMUNICATION

(51) International classification :H04W24/10

(31) Priority Document No :61/247,763

(32) Priority Date :01/10/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/051230

Filing Date :01/10/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**2)GOROKHOV Alexei Yurievitch**

**3)MALIK Siddhartha**

(57) Abstract :

Techniques for reporting channel state information (CSI) based on scalable channel feedback are described. A user equipment (UE) may receive data transmission from one or more cells among a plurality of cells and may report CSI for each of the plurality of cells. For scalable channel feedback the UE may report CSI with different granularity for different cells. The granularity of feedback for each cell may be selected based on the quality of a communication channel between the cell and the UE which may be determined based on a long-term channel gain for the cell. The granularity of feedback may be defined by a subband size a reporting interval granularity of quantization of CSI etc. The UE may report CSI for each cell based on the granularity of feedback for the cell. The UE may receive data transmission sent by at least one cell based on the reported CSI.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2827/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : MULTIMODE ONLINE ADVERTISEMENTS AND ONLINE ADVERTISEMENT EXCHANGES

(51) International classification :G06Q30/00

(31) Priority Document No :12/611,250

(32) Priority Date :03/11/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/051462

Filing Date :12/05/2011

(87) International Publication No :WO/2011/056338

(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)DAVID AYMAN SHAMMA**

**3)M. CAMERON JONES**

(57) Abstract :

A method for displaying advertisements, comprising: receiving a request for an advertisement to display on a web page; receiving a content characterization document associated with the web page; selecting an advertisement object based at least on the content characterization document; and enabling the selected advertisement object to be transmitted for display on the web page in response to the request

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2828/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : MONETIZATION OF INTERACTIVE NETWORK-BASED INFORMATION OBJECTS

(51) International classification	:G06F15/16
(31) Priority Document No	:12/556,911
(32) Priority Date	:10/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/045319
Filing Date	:17/03/2011
(87) International Publication No	:WO/2011/031408
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

**1)REINER KRAFT**

(57) Abstract :

A method, comprising: defining an information object representative of a real-world entity, the information object being stored in a data store and the information object having an associated owner; associating a communication channel with the information object that is configurable to route communications to a manager assigned to the information object; enabling a party to obtain management of the information object for a time period; configuring the communication channel to route to the party requests that are made by interacting with the information object during the time period; and enabling a plurality of users to interact with the information object during the time period to input requests to the party over the communication channel.

No. of Pages : 37 No. of Claims : 20



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2829/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYNCHRONIZATION OF ADVERTISEMENT DISPLAY UPDATES WITH USER REVISITATION RATES

(51) International classification :G06Q30/00

(31) Priority Document No :12/554,605

(32) Priority Date :04/09/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/044894

Filing Date :10/03/2011

(87) International Publication No :WO/2011/028367

(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)ELIZABETH F. CHURCHILL**

(57) Abstract :

A method for displaying advertisements on web pages, comprising: determining a revisitation rate for views of a web page by a user population; synchronizing a refresh rate for an advertisement space on the web page with the determined revisitation rate; and selecting an advertisement to be displayed at the advertisement space at a particular refresh time of the synchronized refresh rate based at least on a difference between a content of the web page at the particular refresh time and a content of the web page at a previous refresh time of the synchronized refresh rate.

No. of Pages : 36 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2823/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : REPORTING OF TIMING INFORMATION TO SUPPORT DOWNLINK DATA TRANSMISSION

(51) International classification :H04B7/02  
(31) Priority Document No :61/251,225  
(32) Priority Date :13/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/052539  
Filing Date :13/10/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application :NA  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)Name of Inventor :  
**1)ZHANG Xiaoxia**  
**2)LUO Tao**

(57) Abstract :

Techniques for reporting timing information to facilitate data transmission on a downlink are described. A user equipment (UE) may receive signals from a plurality of cells available for data transmission to the UE. Each cell may have a different propagation delay to the UE. The UE may determine timing information based on the received signals and may report the timing information to one or more of the cells. The timing information may include a receive time of each cell at the UE. The UE may receive a data transmission from at least one cell which can be selected from the plurality of cells based on the timing information. The at least one cell may provide a coordinated or a non-coordinated data transmission. A coordinated transmission mode may be determined based on the timing information and can include for example a joint transmission a coordinated beamforming or a coordinated silencing.

No. of Pages : 43 No. of Claims : 58

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2826/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : A CATALYTIC CONVERSION PROCESS OF PETROLEUM HYDROCARBONS IN DOUBLE REACTOR AND AN APPARATUS THEREOF

(51) International classification :C10G51/06  
(31) Priority Document No :200910066364.9  
(32) Priority Date :04/11/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/078163  
Filing Date :27/10/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)Name of Inventor :

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(57) Abstract :

A catalytic conversion process of petroleum hydrocarbons in double reactor and an apparatus thereof are disclosed. The catalytic conversion reaction takes place in both the main reactor and the secondary reactor where reaction feedstock is lighter than that in the main reactor. The first low-temperature catalyst is introduced into the pre-lift section of the main reactor and the said catalyst is conveyed to the oil/catalyst contact reaction section by the pre-lift gas and contacts with the feedstock from the feed nozzle for the catalytic conversion reaction. Through flexible control over the reaction condition of the contact reaction section and post-reaction section of the reactor-thermal cracking reaction is effectively reduced the reacting efficiency of the post-reaction section is improved. Accordingly the reaction byproduct is effectively reduced and the product distribution is flexibly improved.

No. of Pages : 34 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2832/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHODS AND APPARATUS FOR SCALING TRANSMIT POWER OF SIGNALS IN WIRELESS COMMUNICATIONS

(51) International classification :H04W 52/24  
(31) Priority Document No :12/575,942  
(32) Priority Date :08/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/051801  
Filing Date :07/10/2010  
(87) International Publication No :WO 2011/044347 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)TAVILDAR SAURABH R.**

**3)JOVICIC ALEKSANDAR**

**4)RICHARDSON THOMAS J.**

(57) Abstract :

Methods and apparatus of varying transmit power of signals for increasing system throughput and spectral reuse in an unlicensed spectrum are disclosed. One method includes transmitting from a first mobile device to a second mobile device a request to send (RTS) signal having a first transmit data power level based on a channel gain between the first mobile device and the second mobile device, receiving, at the first mobile device, a clear to send (CTS) signal from the second mobile device, and transmitting data at the first transmit data power level from the first mobile device to the second mobile device.

No. of Pages : 31 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2833/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : ENHANCED BLOCK-REQUEST STREAMING USING SCALABLE ENCODING

(51) International classification :H04L 29/06  
(31) Priority Document No :61/244,767  
(32) Priority Date :22/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/049852  
Filing Date :22/09/2010  
(87) International Publication No :WO 2011/038021 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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**2)STOCKHAMMER THOMAS**  
**3)LUBY MICHAEL G.**

(57) Abstract :

A block request streaming system provides for improvements in the user experience and bandwidth efficiency of such systems, typically using an ingestion system that generates data in a form to be served by a conventional file server (HTTP, FTP, or the like), wherein the ingestion system intakes content and prepares it as files or data elements to be served by the file server. A client device can be adapted to take advantage of the ingestion process as well as including improvements that make for a better presentation independent of the ingestion process. The files or data elements are organized as blocks that are transmitted and decoded as a unit, and the system is configured to provide and consume scalable blocks such that the quality of the presentation increases as more of the block is downloaded. Encoding and decoding blocks with multiple independent scalability layers can be done as well.

No. of Pages : 155 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2835/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : DRAINAGE BODY

(51) International classification :E02B11/00  
(31) Priority Document No :10 2009 048 309.8  
(32) Priority Date :05/10/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/064795  
Filing Date :05/10/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**2)THOMAS DAU**

**3)TIMO ELIAS**

**4)PRASANNA KUMAR**

**5)ARNE MEINCKE**

(57) Abstract :

A drainage body is disclosed which comprises at least two substantially identically shaped surface units that is base unit and substantially identically shaped top unit which are combinable with one another in an installation spacing by way of spacers. It is proposed to form the surface units be substantially interlockingly stackable in such manner that the installation spacing of the surface units is considerably larger than their spacing in stacked condition whereby the spacers essentially have for example frusto-conical or frusto-pyramid shape with circumscribed cross-sectional area which becomes smaller as its distance from the surface units increases. As alternative to this it may be provided that the spacers are disposed in such manner on surface units that the base units and top units are layable so as to overlap one another in the manner of masonry bond. As result this creates high stability with simultaneous space-saving storability and transportability.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2837/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD AND DEVICE FOR ASSOCIATION MANAGEMENT OF NETWORK RESOURCES

(51) International classification :H04L 12/24  
(31) Priority Document No :20010169976.0  
(32) Priority Date :11/09/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2009/074884  
Filing Date :10/11/2009  
(87) International Publication No :WO 2011/029244 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)ZHENBO ZHANG**

(57) Abstract :

A method for association management of network resources is provided, comprising the following steps of: a service side classifying network resources, setting resource type identifiers for the network resources and sending dependency relationships between the resource type identifiers and resource types to a system side; the system side building a data model for storing resource type dependency relationships according to the received dependency relationships between the resource type identifiers and the resource types; and the system side providing interfaces used for operating the resource type dependency relationships and one or more interfaces used for operating resource instance dependency relationships for the service side. A device for association management of network resources is also provided.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2840/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : IMAGE ENLARGEMENT DEVICE, IMAGE ENLARGEMENT PROGRAM AND DISPLAY APPARATUS

(51) International classification	:H04N 1/393
(31) Priority Document No	:2009-225995
(32) Priority Date	:30/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/056426
Filing Date	:09/04/2010
(87) International Publication No	:WO 2011/040074
	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)ZHANG, XIAOMANG**

(57) Abstract :

There is provided an image enlargement device including: an image enlargement filter (1) that generates a first enlarged image by enlarging an input image; a wavelet transform portion (2) that performs a wavelet transform on the first enlarged image; gain processing portions (3, 4 and 5) that perform gain processing on sub-band components including high-frequency components output from the wavelet transform portion (2); and an inverse wavelet transform portion (6) that regards, as a wavelet transformed image, the input image and the sub-band components including high-frequency components which are output from the gain processing portion and on which the gain processing has been performed, and that generates a second enlarged image by performing an inverse wavelet transform.

No. of Pages : 58 No. of Claims : 12



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2841/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : DRIVE MECHANISM FOR A DRUG DELIVERY DEVICE

(51) International classification :A61M5/315

(31) Priority Document No :09171740.5

(32) Priority Date :30/09/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/064398  
Filing Date :29/09/2010

(87) International Publication No :WO 2011/039207  
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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**2)BILTON, SIMON, LEWIS**

**3)JONES, CHRISTOPHER**

**4)KOUYOUMJIAN, GAREN**

**5)MACDONALD, CATHERINE ANNE**

(57) Abstract :

A first input member (6) and a second input member (7) are arranged along a first axis (4) and coupled in such a manner that a movement of the first input member along the first axis is converted into a rotational movement of the second input member with respect to the body (1). A first output member (8) and a second output member (9) are arranged along a second axis (5) and coupled in such a manner that a rotational movement of the first output member is converted into a movement of the second output member along the second axis with respect to the body. The second input member and the first output member are releasably rotationally coupled.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2838/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : DYNAMIC LOAD BALANCING AND SCALING OF ALLOCATED CLOUD RESOURCES IN AN ENTERPRISE NETWORK

(51) International classification	:H04L 29/08
(31) Priority Document No	:12/571,271
(32) Priority Date	:30/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/048882
Filing Date	:15/09/2010
(87) International Publication No	:WO 2011/041101 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)LI, LI, ERRAN**  
**2)WOO, THOMAS**

(57) Abstract :

Various exemplary embodiments relate to a workload distribution system for an enterprise network extended in to a cloud network and a related method. The enterprise network may include a series of servers in a private enterprise network and a scalable series of servers in a cloud network. The enterprise network may employ one or more load balancers in both a private enterprise network and cloud network that are connected to each series of servers to distribute work amongst the servers in both networks based on criteria such as overall system performance and costs. The enterprise network may also employ one or more controllers to scale the number of cloud servers allocated to the enterprise network based on the system workload and other user-defined criteria, such as revenue generated per work request.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2839/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : SCALABLE ARCHITECTURE FOR ENTERPRISE EXTENSION IN A CLOUD TOPOLOGY

(51) International classification :H04L 12/56  
(31) Priority Document No :12/571,257  
(32) Priority Date :30/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/049562  
Filing Date :21/09/2010  
(87) International Publication No :WO 2011/041159 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)LI, LI, ERRAN**  
**2)WOO, THOMAS**

(57) Abstract :

Various embodiments relate to a Cloud Data Center, a system comprising the Cloud Data Center, and a related method. The Cloud Data Center may include a logical customer edge router to send packets between addresses in a private enterprise network and addresses in a logical network within a cloud network. The logical network may have resources, known as virtual machines, allocated to the private enterprise network and may share a common IP address space with the private enterprise network. A directory at the Cloud Data Center may correlate the enterprise IP addresses of virtual machines with a cloud IP address and a location IP address within the logical network. The Cloud Data Center may double encapsulate packets with two specified headers, a cloudIP and locIP header, when sending a packet to a destination in the logical network.

No. of Pages : 35 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2864/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : PERMANENT MAGNET AND MANUFACTURING METHOD THEREOF

(51) International classification :H01F1/08  
(31) Priority Document No :2010-112381  
(32) Priority Date :14/05/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2011/060403  
Filing Date :28/04/2011  
(87) International Publication No :WO 2011/142275  
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)OMURE, TOMOHIRO**

(57) Abstract :

There are provided a permanent magnet and a manufacturing method thereof capable of manufacturing metal alkoxide in better work environment, simpler production facilities and easier manufacturing process and also reducing the manufacturing costs. An electrolytic solution is obtained through dissolving chloride or injecting hydrogen chloride gas into alcohol which is same alcohol as is a constituent element of metal alkoxide to be manufactured. Then, electrolysis is performed on the electrolytic solution while using, for an anode, a ferroalloy that contains iron and metal which is a constituent element of the metal alkoxide to be manufactured in a predetermined weight ratio (such as 1:1), and, for a cathode, the same ferroalloy, carbon, platinum or stainless steel, so as to obtain an alcohol solution of the metal alkoxide. Then, a permanent magnet is manufactured using the alcohol solution of the metal alkoxide thus obtained.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2865/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : PERMANENT MAGNET AND MANUFACTURING METHOD THEREOF

(51) International classification :H01F41/02  
(31) Priority Document No :2010-084457  
(32) Priority Date :31/03/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2011/057576  
Filing Date :28/03/2011  
(87) International Publication No :WO 2011/112595  
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)OMURE, TOMOHIRO**  
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**6)OZAKI, TAKASHI**

(57) Abstract :

There are provided a permanent magnet and a manufacturing method thereof capable of inhibiting grain growth of magnet grains having single domain particle size during sintering so as to improve magnetic properties. To fine powder of milled neodymium magnet is added an organometallic compound solution containing an organometallic compound expressed with a structural formula of  $M-(OR)_x$  (M represents V, Mo, Zr, Ta, Ti, W or Nb, R represents a substituent group consisting of a straight-chain or branched-chain hydrocarbon, x represents an arbitrary integer) so as to uniformly adhere the organometallic compound to particle surfaces of the neodymium magnet powder. Thereafter, the desiccated magnet powder is calcined by utilizing plasma heating and the powdery calcined body is sintered so as to form a permanent magnet 1. 4

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2866/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : PERMANENT MAGNET AND MANUFACTURING METHOD THEREOF

(51) International classification :H01F1/08  
(31) Priority Document No :2010-082235  
(32) Priority Date :31/03/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2011/057571  
Filing Date :28/03/2011  
(87) International Publication No :WO 2011/125590  
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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**6)OZAKI, TAKASHI**

(57) Abstract :

There are provided a permanent magnet and a manufacturing method thereof capable of preventing grain growth in a main phase and enabling rare-earth rich phase to be uniformly-dispersed. To fine powder of milled neodymium magnet material is added an organometallic compound solution containing an organometallic compound expressed with a structural formula of M-(OR)<sub>x</sub> (in the formula, M represents Cu or Al, R represents a substituent group consisting of a straight-chain or branched-chain hydrocarbon, x represents an arbitrary integer) so as to uniformly adhere the organometallic compound to particle surfaces of the neodymium magnet powder. Thereafter, a compact body formed by compacting the above neodymium magnet powder is held for several hours in hydrogen atmosphere at 200 through 900 degrees Celsius. Thereafter, through a sintering process, a permanent magnet is manufactured.

No. of Pages : 39 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2867/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : PERMANENT MAGNET AND MANUFACTURING METHOD THEREOF

(51) International classification :H01F41/02  
(31) Priority Document No :2010-084470  
(32) Priority Date :31/03/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2011/057573  
Filing Date :28/03/2011  
(87) International Publication No :WO 2011/125592  
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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**6)OZAKI, TAKASHI**

(57) Abstract :

There are provided a permanent magnet and a manufacturing method thereof enabling carbon content contained in magnet particles to be reduced in advance before sintering even when wet milling is employed. Coarsely-milled magnet powder is further milled by a bead mill in a solvent together with an organometallic compound expressed with a structural formula of M-(OR)<sub>x</sub> (M represents V, Mo, Zr, Ta Ti W or Nb, R represents a substituent group consisting of a straight-chain or branched-chain hydrocarbon, x represents an arbitrary integer) so as to uniformly adhere the organometallic compound to particle surfaces of the magnet powder. Thereafter, a compact body of compacted magnet powder is held for several hours in hydrogen atmosphere at 200 through 900 degrees Celsius to perform hydrogen calcination process. Thereafter, through sintering process, a permanent magnet 1 is formed.

No. of Pages : 70 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2884/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : OPTICALLY TRANSMISSIVE SUBSTRATE HAVING A FIDUCIAL MARK AND METHODS OF ALIGNING OPTICALLY TRANSMISSIVE SUBSTRATES

(51) International classification	:G06K9/74
(31) Priority Document No	:61/246,668
(32) Priority Date	:29/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/050174
Filing Date	:24/09/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**4)HARTZELL Andrew K.**

**5)SHAY Catharine B.**

(57) Abstract :

An article comprises an optically transmissive substrate comprising a plurality of functional elements and an integral fiducial mark. The substrate has a critical angle for total internal reflection and a length and a width defining a reference plane. The substrate comprises an integral fiducial mark disposed on the major surface. The integral fiducial mark comprises at least one substantially ellipse-like feature formed by first and second frustoconical surfaces that together with a reference line that is normal to the reference plane define respective first and second half angles. The first and second half angles are less than or equal to 90 degrees minus the critical angle for total internal reflection expressed in degrees. A method comprises: providing an optically transmissive substrate according to the present disclosure.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2885/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD FOR CHARGING AND METHOD FOR DETERMINING AN END-OF-CHARGE CRITERION OF A NICKEL-BASED BATTERY

(51) International classification :H01M10/30

(31) Priority Document No :0904661

(32) Priority Date :29/09/2009

(33) Name of priority country :France

(86) International Application No :PCT/FR2010/000638

Filing Date :24/09/2010

(87) International Publication No : NA

(61) Patent of Addition to Application :NA

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**3)PERICHON Pierre**

(57) Abstract :

The method for charging an electrochemical nickel-based battery (1) having a predetermined nominal capacity comprising at least one measurement of the voltage of the battery (1) and one measurement of the temperature representative of the battery (1). The battery is connected to an intermittent source of energy (2). The charging of the battery (1) is stopped when the voltage measured at the terminals of the battery (1) reaches a voltage threshold depending on the measured temperature and representative of a capacity charged in the battery (1) corresponding to a charging efficiency equal to or higher than 90% of the maximum charging efficiency.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2863/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : DRIVE MECHANISM FOR A DRUG DELIVERY DEVICE AND RESILIENT ELEMENT FOR A DRIVE MECHANISM

(51) International classification :A61M5/315  
(31) Priority Document No :09171731.4  
(32) Priority Date :30/09/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/064389  
Filing Date :29/09/2010  
(87) International Publication No :WO 2011/039201  
A3  
(61) Patent of Addition to Application Number :NA  
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**5)MACDONALD, CATHERINE ANNE**

(57) Abstract :

A plunger (4) having engaging means and a lever (5) are arranged in a body (1). The lever has a first pivot that is stationary with respect to the body in the direction of an axis, a second pivot, and a third pivot formed by an engaging element of the lever. The pivots are arranged in such a manner that a rotation of the lever with respect to the first pivot moves the second pivot and the third pivot in the same direction with respect to the axis. The engaging element and the engaging means are shaped such that the lever is disengaged from the plunger when the second pivot is moved relatively to the plunger in the proximal direction (30), and the plunger is engaged with the lever when the second pivot is moved in the distal direction (20).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2868/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : PERMANENT MAGNET AND MANUFACTURING METHOD THEREOF

(51) International classification :H01F41/02  
(31) Priority Document No :2010-081963  
(32) Priority Date :31/03/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2011/057570  
Filing Date :28/03/2011  
(87) International Publication No :WO 2011/125589  
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)OMURE, TOMOHIRO**  
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**6)OZAKI, TAKASHI**

(57) Abstract :

There are provided a permanent magnet and a manufacturing method thereof that enables concentration of V, Mo, Zr, Ta, Ti, W or Nb contained in an organometallic compound in grain boundaries of the permanent magnet. To fine powder of milled neodymium magnet is added an organometallic compound solution containing an organometallic compound expressed with a structural formula of M-(OR) x (M represents V, Mo, Zr, Ta, Ti, W or Nb, R represents a substituent group consisting of a straight-chain or branched-chain hydrocarbon, x represents an arbitrary integer) so as to uniformly adhere the organometallic compound to particle surfaces of the neodymium magnet powder. Thereafter, a compact body obtained by compacting the magnet powder is held for several hours in hydrogen atmosphere at 200 through 900 degrees Celsius so as to perform a calcination process in hydrogen. Thereafter, through sintering, a permanent magnet is manufactured.

No. of Pages : 61 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2869/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : PERMANENT MAGNET AND MANUFACTURING METHOD THEREOF

(51) International classification :H01F1/08  
(31) Priority Document No :2010-084206  
(32) Priority Date :31/03/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2011/057572  
Filing Date :28/03/2011  
(87) International Publication No :WO 2011/125591  
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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**2)KUME, KATSUYA**  
**3)HIRANO, KEISUKE**  
**4)OMURE, TOMOHIRO**  
**5)TAIHAKU, KEISUKE**  
**6)OZAKI, TAKASHI**

(57) Abstract :

There are provided a permanent magnet and a manufacturing method thereof enabling carbon content contained in magnet particles to be reduced in advance before sintering even when wet milling is employed. Coarsely-milled magnet powder is further milled by a bead mill in a solvent together with an organometallic compound expressed with a structural formula of M-(OR)<sub>x</sub> (M includes at least one of neodymium, praseodymium, dysprosium and terbium, each being a rare earth element, R represents a substituent group consisting of a straight-chain or branched-chain hydrocarbon, x represents an arbitrary integer) so as to uniformly adhere the organometallic compound to particle surfaces of the magnet powder. Thereafter, a compact body of compacted magnet powder is held for several hours in hydrogen atmosphere at 200 through 900 degrees Celsius to perform hydrogen calcination process. Thereafter, through sintering process, a permanent magnet 1 is manufactured.

No. of Pages : 64 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2896/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :29/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : POWER TRANSMISSION PART

(51) International classification	:C22C 33/02
(31) Priority Document No	:2009-224912
(32) Priority Date	:29/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/065944
Filing Date	:15/09/2010
(87) International Publication No	:WO 2011/040242
	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 :

**1)OKUNO, TAKAHIRO**

**2)SCHIMAZU, EIICHIROU**

(57) Abstract :

A power transmission part (10,20) is made of a sintered material obtained by press molding and firing granulated powder obtained by granulating raw material powder having iron as a main component. The sintered material can thereby be increased in density by a powder press sintering method. A power transmission part of high strength and high rigidity can thereby be obtained.

No. of Pages : 38 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2893/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :29/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : INTRAUTERINE ELECTRONIC CAPSULE FOR ADMINISTERING A SUBSTANCE

(51) International classification :A61M31/00  
(31) Priority Document No :61/246,802  
(32) Priority Date :29/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/IB2010/054269  
Filing Date :21/09/2010  
(87) International Publication No :WO 2011/039680  
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)WEINER, OLAF HERMANN**  
**2)SHIMIZU, JEFF**  
**3)ZOU, HANS**  
**4)IORDANOV, VENTZESLAV, PETROV**  
**5)DIJKSMAN, JOHAN, FREDERIK**

(57) Abstract :

An electronic capsule (200) features a reservoir (204), and is configured for placement within a reproductive organ, such as the uterus or cervix. While located therein, the capsule dispenses (208), from the reservoir, a substance, such as a reproductive hormone, semen, acidic buffer, fertility drug or other drug, effectively administered from within the organ. In some embodiments, the capsule has on-board sensors(238,244), and control circuitry in wireless communication with an external processor functioning automatically or guided by a clinician or user, for decisions and timing in administering the substance.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2899/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :29/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : REFRIGERATOR

(51) International classification :F25D 11/00  
(31) Priority Document No :10-2010-0008679  
(32) Priority Date :29/01/2010  
(33) Name of priority country :Republic of Korea  
(86) International Application No :PCT/KR2010/005544  
Filing Date :20/08/2010  
(87) International Publication No :WO 2011/093567 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)KIM, JONG-GON**  
**2)HONG, CHUN-HEE**

(57) Abstract :

Embodiments relate to a refrigerator. A refrigerator according to an aspect includes: a freezing compartment; a freezing compartment door; an ice bin mounted on the rear of the freezing compartment door and storing ice; and an operating unit mounted on the rear of the freezing compartment door and operates to discharge the ice from the ice bin.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2900/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :29/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : DISPLAY DEVICE, CONTROL METHOD AND RECORDING MEDIUM

(51) International classification :G06F 3/041  
(31) Priority Document No :2009-223583  
(32) Priority Date :29/09/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/066977  
Filing Date :29/09/2010  
(87) International Publication No :WO 2011/040483  
A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)NEC CORPORATION**  
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TOKYO 108-8001 Japan  
(72)**Name of Inventor :**  
**1)SAITO,, MAYUKO**

(57) Abstract :

A touch panel (2) displays an image. A position detection unit (3) detects the XY coordinates of each of two touched positions on the touch panel (2). When the position detection unit (3) detects twice XY coordinates of two touched positions, a calculation unit (4) computes variation amounts of each of the X-direction distances and the Y-direction distances between the two touched positions between the detection of the former coordinates and the detection of the latter coordinates. A control execution unit (5) controls a first controlled object according to the variation amount of the X-direction distances that have been computed by the calculation unit (4), and controls a second controlled object according to the variation amount of the Y-direction distances that have been computed by the calculation unit (4).

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2901/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :29/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : HARDENING ACCELERATOR COMPOSITION CONTAINING PHOSPHATED POLYCONDENSATES

		(71)Name of Applicant : <b>1)CONSTRUCTION RESEARCH &amp; TECHNOLOGY GMBH</b> Address of Applicant :DR.-ALBERT-FRANK-STR. 32, 83308 TROSTBERG Germany
(51) International classification	:C04B 40/00	(72)Name of Inventor :
(31) Priority Document No	:09169294.7	<b>1)NICOLEAU, LUC</b>
(32) Priority Date	:02/09/2009	<b>2)ALBRECHT, GERHARD</b>
(33) Name of priority country	:EPO	<b>3)LORENZ, KLAUS</b>
(86) International Application No	:PCT/EP2010/061762	<b>4)JETZLSPERGER, EVA</b>
Filing Date	:12/08/2010	<b>5)FRIDRICH, DANIEL</b>
(87) International Publication No	:WO 2011/026720	<b>6)WOHLHAUPTER, THOMAS</b>
	A1	<b>7)DORFNER, REINHARD</b>
(61) Patent of Addition to Application Number	:NA	<b>8)LEITNER, HUBERT</b>
Filing Date	:NA	<b>9)VIERLE, MARIO</b>
(62) Divisional to Application Number	:NA	<b>10)SCHMITT, DIRK</b>
Filing Date	:NA	<b>11)BRAEU, MICHAEL</b>
		<b>12)HESSE, CHRISTOPH</b>
		<b>13)MONTERO PANCERA, SABRINA</b>
		<b>14)ZUERN, SIEGFRIED</b>
		<b>15)KUTSCHERA, MICHAEL</b>

(57) Abstract :

The invention concerns a process for the preparation of a hardening accelerator composition by reaction of a water-soluble calcium compound with a water-soluble silicate compound and by reaction of a calcium compound with a silicon dioxide containing component under alkaline conditions, in both cases the reaction being carried out in the presence of a polycondensate containing at least one structural unit consisting of an aromatic or heteroaromatic moiety bearing a polyether side chain and at least one structural unit consisting of an aromatic or heteroaromatic moiety bearing at least one phosphoric acid ester group and/or its salt. The invention concerns a composition of calcium silicate hydrate and the polycondensate, its use as hardening accelerator and for the reduction of the permeability of hardened compositions.

No. of Pages : 80 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2902/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :29/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : WIRE HARNESS FOR FIELD DEVICES USED IN HARZARDOUS LOCATIONS

(51) International classification	:B60Q1/26
(31) Priority Document No	:61/239,120
(32) Priority Date	:02/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/047463
Filing Date	:01/09/2010
(87) International Publication No	:WO 2011/028762 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)ROSEMOUNT INC.**

Address of Applicant :12001 TECHNOLOGY DRIVE, EDEN PRAIRIE, MINNESOTA 55344 U.S.A.

(72)Name of Inventor :

**1)VANDERAA, JOEL, D.**

(57) Abstract :

A wireless process communication adapter (14, 30) includes a housing (120) having a first end and a second end. A field device coupling (122) is attached to one of the first and second ends. Adapter circuitry (154) is disposed within the housing (120) and the adapter circuitry (154) is coupled to a plurality of wires that pass through the field device coupling (122). A wire retainer (160) is engaged upon the plurality of wires to maintain the wires in a fixed position. An encapsulation material (136) encapsulates the adapter circuitry (1.54), the wire retainer (160), and the plurality of wires.

No. of Pages : 26 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2897/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :29/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : GREEN BALL GRINDING METHOD, CERAMIC SPHERE FABRICATION METHOD, AND GRINDING APPARATUS

(51) International classification	:B24B 11/02
(31) Priority Document No	:2009-224774
(32) Priority Date	:29/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP10/066371
Filing Date	:22/09/2010
(87) International Publication No	:WO 2011/040296
	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)HAYAKAWA, YASUTAKE**  
**2)MURAMATSU, KATSUTOSHI**

(57) Abstract :

A green ball (91) grinding method includes the step (S20) of supplying a green ball (91) between a first surface (11) of a first member (10) and a second surface (21) of a second member (20) constituting a grinding apparatus (1), and the step of grinding the green ball (91) between the first surface (11) and the second surface (21) while the green ball (91) rotates around its own axis and in orbital motion. In the step of grinding the green ball (91), the step (S30) of causing the green ball (91) grinding to proceed while applying load between the green ball (91) and each of the first surface (11) and the second surface (21), and the step of modifying the rotation axis of the green ball (91) by reducing the load lower than in the step (S30) of causing the green ball (91) grinding to proceed are executed alternately.

No. of Pages : 72 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2904/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :29/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : WIRELESS PROCESS COMMUNICATION ADAPTER WITH IMPROVED ENCAPSULATION

(51) International classification :H05K 5/06  
(31) Priority Document No :61/239,116  
(32) Priority Date :02/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/047444  
Filing Date :01/09/2010  
(87) International Publication No :WO 2011/028750 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)STREI, DAVID, M.**  
**2)VANDERAA, JOEL, D.**

(57) Abstract :

A wireless process communication adapter (14, 30) for field devices (12) is provided. The adapter (14, 30) includes a metal housing (120) having a first end and a second end. A chamber (130) is defined between the first and second ends. A radio-frequency transparent radome (124) is coupled to the first end. The second end has a field device coupling (123) configured to attach to a field device (12). At least one circuit board (132, 134) is disposed within the chamber (130). The circuit board (132, 134) supports at least wireless process communication circuitry (154). A plurality of wires (158, 160) is coupled to the at least one circuit board (132, 134) and extends through the field device coupling (123). A silicone potting (136) fills substantially all volume within the chamber (130) not occupied by the at least one circuit board (132, 134) and wireless process communication circuitry (154).

No. of Pages : 22 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2905/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :29/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD FOR THE SEPARATION OF AMMONIA AND CARBON DIOXIDE FROM AQUEOUS SOLUTIONS

(51) International classification	:C01C 1/10
(31) Priority Document No	:MI2009A 001551
(32) Priority Date	:09/09/2009
(33) Name of priority country	:Italy
(86) International Application No	:PCT/EP2010/005609
Filing Date	:01/09/2010
(87) International Publication No	:WO 2011/029625
	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)CASARA, PAOLO**

**2)GIANAZZA, ALESSANDRO**

(57) Abstract :

The present invention relates to a method for contemporaneously recovering ammonia and carbon dioxide from an aqueous solution thereof, possibly comprising their condensates, in a synthesis process of urea, characterized in that it comprises a hydrophobic microporous membrane distillation phase of an aqueous solution comprising ammonia, carbon dioxide and their saline compounds or condensates, said distillation being carried out at a temperature ranging from 50 to 250°C and a pressure ranging from 50 Kpa to 20 Mpa absolute, with the formation of a residual aqueous solution, possibly comprising urea, and a gaseous permeate stream, comprising ammonia, carbon dioxide and water. The present invention also relates to an apparatus for effecting the above method and a production process of urea which comprises the above method.

No. of Pages : 49 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2906/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :29/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : USE OF SOPHROLIPIDS AND DERIVATIVES THEREOF IN COMBINATION WITH PESTICIDES AS ADJUVANT/ADDITIVE FOR PLANT PROTECTION AND THE INDUSTRIAL NON-CROP FIELD

(51) International classification	:A01N 25/30
(31) Priority Document No	:102009045077.7
(32) Priority Date	:29/09/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/062600
Filing Date	:30/08/2010
(87) International Publication No	:WO 2011/039014
	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)GIESSLER-BLANK, SABINE**

**2)SCHILLING, MARTIN**

**3)THUM, OLIVER**

**4)SIEVERDING, EWALD**

(57) Abstract :

Use of sophorolipids as adjuvants in combination with pesticides as tank mix additive and/or as formulation additive for crop protection and for the industrial non-crop sector.

No. of Pages : 43 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2907/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :29/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYNERGISTIC MICROBICIDAL COMPOSITIONS COMPRISING 2, 2-DIBROMOMALONAMIDE AND AN OXIDIZING BIOCID

(51) International classification :A01N 37/18  
(31) Priority Document No :61/246,713  
(32) Priority Date :29/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/050347  
Filing Date :27/09/2010  
(87) International Publication No :WO 2011/041252 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)SINGLETON, FREDDIE, L.**  
**2)YIN, BEI**  
**3)RAJAN, JANARDHANAN, S.**

(57) Abstract :

The application describes synergistic microbicidal compositions comprising: 2, 2-dibromomalonamide and an oxidizing biocide selected from the group consisting of: monochloramine, bromochlorodimethylhydantoin, hypobromite ion or hypobromous acid, hydrogen peroxide, dichloroisocyanurate, trichloroisocyanurate and chlorine dioxide and a method for controlling microorganism growth in an aqueous or water- containing system.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2908/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :29/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : N-WAY PARITY TECHNIQUE FOR ENABLING RECOVERY FROM UP TO N STORAGE DEVICE FAILURES

(51) International classification	:G06F 11/10
(31) Priority Document No	:12/536,063
(32) Priority Date	:25/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/002600
Filing Date	:23/09/2010
(87) International Publication No	:WO 2011/037629 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)ATUL GOEL**  
**2)PETER F. CORBETT**

(57) Abstract :

An n-way parity protection technique enables recovery of up to n storage device (e.g., disk) failures in a parity 'group of a storage array encoded to protect against n-way disk failures. The storage array is created by first configuring the array with m data disks, - where  $m=p-1$  and p is a prime number and a row parity disk, n-1 diagonal parity disks are then added to the array. Each diagonal parity set (LB., diagonal) is associated with a slope that defines the data and row parity blocks of the array that are included in the diagonal. All diagonals having a common slope within a parity group are organized as a diagonal parity class. For each diagonal parity class, a diagonal parity storage disk is provided to store the diagonal parity.

No. of Pages : 32 No. of Claims : 25



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2909/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :29/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : DRIVE ASSEMBLY, PISTON ROD, DRUG DELIVERY DEVICE, AND USE OF A SPRING

(51) International classification :A61M 5/24

(31) Priority Document No :09171749.6

(32) Priority Date :30/09/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/064408  
Filing Date :29/09/2010

(87) International Publication No :WO 2011/039217  
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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**2)BILTON, SIMON, LEWIS**

**3)JONES, CHRISTOPHER**

**4)KOUYOMJIAN, GAREN**

**5)MACDONALD, CATHERINE ANNE**

(57) Abstract :

The drive assembly may comprise a housing (10A, 10B, IOC), a piston rod (20) being axially displaceable and rotatable with respect to the housing, a drive member (30) being axially displaceable, and a rotational bias member (50) being operable to transfer a resilient bias to the piston rod. The drive assembly may be configured such that, for setting a dose, the drive member is proximally axially displaceable with respect to the housing and the piston rod from a rest position to a dose set position. When setting the dose, the piston rod may be rotated in a first rotational direction and, subsequent to the rotation in the first rotational direction, rotated in a second rotational direction with respect to the housing and the drive member. Further, a piston rod and a use of a spring (80) are provided for.

No. of Pages : 97 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2910/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :29/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : TRANSMISSION OF PRECODING CODEBOOK OVER AN AIR INTERFACE

(51) International classification :H04B 7/06  
(31) Priority Document No :12/585,976  
(32) Priority Date :30/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/050521  
Filing Date :28/09/2010  
(87) International Publication No :WO 2011/041299 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)BAKER, MATTHEW, P., J.**  
**2)WILD, THORSTEN**  
**3)GERLACH, CHRISTIAN, G.**  
**4)RHEINSCHMITT, RUPERT, J.**  
**5)HUANG, HOWARD**

(57) Abstract :

Embodiments of the present invention include a system for transmitting a precoding codebook over an air interface. The system includes a first station configured to signal a set of indicators via at least one antenna to a second station from which the precoding codebook is derived at the second station based on the signaled set of indicators. The set of indicators includes less information than the precoding codebook.

No. of Pages : 31 No. of Claims : 10

(54) Title of the invention : DEVICE AND METHOD FOR DETECTING AND PROCESSING SIGNALS RELATING TO PARTIAL ELECTRICAL DISCHARGES

(51) International classification	:G01R15/14
(31) Priority Document No	:BO2009A000712
(32) Priority Date	:30/10/2009
(33) Name of priority country	:Italy
(86) International Application No	:PCT/IB2010/054904
Filing Date	:29/10/2010
(87) International Publication No	:WO 2011/051910
	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)CAVALLINI, ANDREA**

**2)FABIANI, DAVIDE**

**3)MONTANARI, GIAN, CARLO**

(57) Abstract :

A device (1) for detecting and processing signals relating to partial electrical discharges in an electrical apparatus (2) powered by a square-wave (3) voltage modulated by a modulating wave (4) in such a way as to form an alternating voltage of predetermined frequency, comprises: a sensor (5) connectable to the apparatus (2) for detecting a discharge signal (6) representing the electrical pulses generated by the partial discharges; a processing unit (7) connected to the sensor (5) to receive the discharge signal (6) and derive the detection instants of each of the pulses detected with respect to a predetermined time reference, a synchronization module (8) designed to receive an electrical signal (9) representing the power supply voltage and equipped with a filter (10) configured for extracting from said power supply signal (9) a signal (11) representing the modulating wave (4), the processing unit (7) being configured for associating with the pulses detected the values of a phase parameter (f) representing the phase of the modulating wave (4) at the pulse detection instants.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2916/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR PROVIDING ADVANCED SEARCH RESULT PAGE CONTENT

(51) International classification :G06F17/30

(31) Priority Document No :12/563,151

(32) Priority Date :20/09/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/049232

Filing Date :17/09/2010

(87) International Publication No :WO/2011/035095

(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)KEVIN HAAS**

**2)YI-AN LIN**

**3)CHRISTOPHER LUVOGT**

(57) Abstract :

The present invention provides a method and system for generating search results including receiving a search request and accessing a corpus of data relating to web content to determine relevant content. The method and system includes determining at least one semantic object in the search results set and generating an object filter on the basis of the at least one semantic object. The method and system further includes generating a search result output display for the presentation of at least a portion of the search result set and active data links for one or more of the semantic objects and toggling the search result output display to present at least a portion of a subset of the search results set in response to selection of a given active data link, the subset including content having semantic object associated therewith.

No. of Pages : 45 No. of Claims : 18

(54) Title of the invention : DIAL RECLINER

(51) International classification :B60N2/22  
 (31) Priority Document No :10-2011-0020705  
 (32) Priority Date :09/03/2011  
 (33) Name of priority country :Republic of Korea  
 (86) International Application No :PCT/KR2011/008944  
       Filing Date :23/11/2011  
 (87) International Publication No :WO/2012/121471  
 (61) Patent of Addition 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)CHAE, SU MIN****2)KIM, WON KEE**

(57) Abstract :

The present invention relates to a dial recliner comprising: a holder having inner teeth at its outer circular, part and a' boss at its center part; a sector gear having outer teeth to intermesh with the inner teeth for the sector gear to roll in the holder, and a circular receiving part which has a center eccentric from that of the boss and surrounds the boss; a brake spring elastically held around the boss and having a pair of protruding ends which are circularly separated therebetween; a bearing inserted in the receiving part of the sector gear and receiving therein the boss whose center is eccentric from that of the bearing; a cam having a center shaft part which is inserted into the boss, an operating cam part which adjoins an inner surface of the bearing and a spring operating part which is interposed between a pair of the protruding ends of the brake spring; and a pair of clutch shoes interposed between the brake spring and the bearing and also interposed between the operating cam part and one of the protruding ends. Therefore, a structure of the dial recliner is simplified with a small number of components, especially a phenomenon that the seatback is turned back gradually in use can be prevented by removing a drifting movement of the clutch shoes.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2925/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : EPOXY RESIN COMPOSITIONS

(51) International classification	:C08L63/00
(31) Priority Document No	:61/247,006
(32) Priority Date	:30/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/050615
Filing Date	:29/09/2010
(87) International Publication No	:WO 2011/041340 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)EATON, ROBERT, F.**

**2)CARTER, JAMES, W.**

**3)BECKERDITE, JOHN, M.**

(57) Abstract :

A low color epoxy resin composition comprising (a) an epoxy resin and (b) at least one an inorganic phosphorous-containing compound stabilizing agent, for example an additive such as sodium pyrophosphate dibasic (SPD) compound; wherein the resulting epoxy resin composition is storage stable and the epoxy resin composition exhibits a low color. The low color epoxy resin composition is used to prepare an epoxy encapsulant which is useful in light emitting diodes (LEDs).

No. of Pages : 31 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2926/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : PROCESS FOR PREPARING HIGHER HYDRIDOSILANES

(51) International classification	:B01J 23/55	(71)Name of Applicant :
(31) Priority Document No	:102009048087.0	<b>1)EVONIK DEGUSSA GMBH</b>
(32) Priority Date	:02/10/2009	Address of Applicant :RELLINGHAUSER STRASSE 1-11,
(33) Name of priority country	:Germany	45128 ESSEN Germany
(86) International Application No	:PCT/EP2010/061825	(72)Name of Inventor :
Filing Date	:13/08/2010	<b>1)BRAUSCH, NICOLE</b>
(87) International Publication No	:WO 2011/038977	<b>2)STOCHNIOL, GUIDO</b>
	A1	<b>3)QUANDT, THOMAS</b>
(61) Patent of Addition to Application		
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for producing higher hydridosilane wherein at least one lower hydridosilane and at least one heterogeneous catalyst are brought to reaction, wherein the at least one catalyst comprises Cu, Ni, Cr and/or Co applied to a carrier and/or oxide of Cu, Ni, Cr and/or Co applied to a carrier, the hydridosilane that can be produced according to said method and use thereof.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2927/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR REDUCING ENTRAINMENT BACK GROUND

(51) International classification :B01J 19/18  
(31) Priority Document No :61/248,173  
(32) Priority Date :02/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/050611  
Filing Date :29/09/2010  
(87) International Publication No :WO 2011/041337 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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(72)Name of Inventor :

**1)YOUSEF, HAITHAM NAEEM, SALEH**

(57) Abstract :

Disclosed is an apparatus to reduce particle entrainment during reaction, the apparatus being an oxidation reactor configured to oxidize an aromatic feedstock to produce an aromatic carboxylic acid, the reactor comprising at least one outlet vent through which off-gas can exit the reactor. Also disclosed is a system for producing an aromatic carboxylic acid, the system comprising an oxidation reactor including at least one outlet vent through which off-gas can exit the reactor; and an overheads system including at least one condenser through which at least part of the off-gas can condense and water can pass to generate steam.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2929/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : DISPLAY DEVICE

(51) International classification :G06F 3/042  
(31) Priority Document No :2009-226564  
(32) Priority Date :30/09/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/059683  
Filing Date :08/06/2010  
(87) International Publication No :WO 2011/040091  
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)KATO, HIROMI**  
**2)SUGITA, YASUHIRO**  
**3)TANAKA, KOHHEI**  
**4)YAMAMOTO, KAORU**  
**5)USUKURA, NARU**  
**6)SHIGETA, HIROAKI**

(57) Abstract :

A plurality of first and second sensor pixel circuits each sensing light during a designated sensing period and retaining the amount of sensed light otherwise are arranged in a pixel region. A backlight is turned on once for a predetermined time in one-frame period. A sensing period A1 when the backlight is turned on and a sensing period A2 when the backlight is turned off are set once, respectively, in the one-frame period. The first sensor pixel circuit is reset at the start of the period A1 and senses light in the period A1. The second sensor pixel circuit is reset at the start of the period A2 and senses light in the period A2. Read from sensor pixel circuits of two types is performed in parallel in a line sequential manner during a period other than the periods A1 and A2. A difference circuit provided outside of the sensor pixel circuits is used for obtaining a difference between an amount of light when the backlight is turned on and an amount of light when the backlight is turned off. Thus, there is provided a display device having an input function which does not depend on light environments.

No. of Pages : 81 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2931/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : VEHICLE BODY FRONT STRUCTURE

(51) International classification	:B62D25/20
(31) Priority Document No	:2009-202839
(32) Priority Date	:02/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/062537
Filing Date	:26/07/2010
(87) International Publication No	:WO 2011/027633
	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)HONDA MOTOR CO., LTD.**  
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(72)**Name of Inventor :**  
**1)YASUHARA, SHIGETO**  
**2)KIHARA, MAKOTO**  
**3)MATSUURA, YUJI**  
**4)KOMINAMIDATE, MASAMI**  
**5)SHIRASAYA, MASAHIITO**

(57) Abstract :

A vehicle body front structure provided with left and right side frames (16, 17). The left front side frame (16) has a rectangular closed cross-sectional shape. The front side frame (16) is provided with a rectilinear section (front half frame section) (44) extending rectilinearly from the front end (58) to the center section (43), and also with a moment receiving section (rear half frame section) (45) continuing from the rectilinear section (44) and extending in a curved form toward the inner side in the widthwise direction of the vehicle. A first ridge line section (78) is a portion which forms a corner (78) among the corners (78) of the rectilinear section (45), said corner (78) being located on the inner side in the widthwise direction of the vehicle. A second ridge line section (84) is connected to the first ridge line section (78) at a position inside the moment receiving section (45). A stiffener (65) is connected to the rear end (66) of the front side frame (16).

No. of Pages : 62 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2932/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : IMMOBILIZATION MODULE FOR SECURITY ON A COMMUNICATION SYSTEM

(51) International classification :H04L 29/06

(31) Priority Document No :12/585,977

(32) Priority Date :30/09/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/049428

Filing Date :20/09/2010

(87) International Publication No :WO 2011/041142 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)KAN, CHAO**

**2)THIEU, PHU**

**3)KLEIN, THIERRY**

(57) Abstract :

Example embodiments are directed to a method of controlling a self-sufficient network system to prevent unauthorized use of the self-sufficient network. The method includes receiving an activation request from the self-sufficient network system and authenticating the self-sufficient network system based on the activation request. The self-sufficient network system is functional if the activation request is valid and the self-sufficient network system has reduced functionality if the activation request is not valid.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2933/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : ELECTROPHOTOGRAPHIC PHOTSENSITIVE MEMBER, PROCESS CARTRIDGE, AND ELECTROPHOTOGRAPHIC APPARATUS

(51) International classification	:G03G5/14
(31) Priority Document No	:2009-204523
(32) Priority Date	:04/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/065572
Filing Date	:03/09/2010
(87) International Publication No	:WO 2011/027912
	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)TSUJI, HARUYUKI**  
**2)FUJII, ATSUSHI**  
**3)MATSUOKA, HIDEAKI**

(57) Abstract :

An electrophotographic photosensitive member having a specific conductive layer and promising less variation in light-area potential and residual potential in reproducing images repeatedly, and a process cartridge and an electrophotographic apparatus which have such an electrophotographic photosensitive member are provided. Where a test in which a voltage of -1.0 kV having only a DC voltage component is continuously applied to the conductive layer for 1 hour is conducted, the conductive layer has volume resistivity satisfying the following mathematical expressions (1) and (2) , as values before and after the test:  $-2.00 < (\log|p2| - \log|pi|) < 2.00$  (1), and  $1.0 \times 10^8 < pi < 2.0 \times 10^{13}$  (2) , where, in the expressions (1) and (2) , pi is volume resistivity (  $\Omega$ -cm) of the conductive layer as measured before the test and p2 is volume resistivity (Q-cm) of the conductive layer as measured after the test.

No. of Pages : 52 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2934/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : DRIVE ASSEMBLY, PISTON ROD, DRUG DELIVERY DEVICE, AND USE OF A SPRING

(51) International classification	:A61M5/24	(71)Name of Applicant :
(31) Priority Document No	:09171748.8	1)SANOFI-AVENTIS DEUTSCHLAND GMBH
(32) Priority Date	:30/09/2009	Address of Applicant :BRUNINGSTRASSE 50, D-65929
(33) Name of priority country	:EPO	FRANKFURT AM MAIN Germany
(86) International Application No	:PCT/EP2010/064407	(72)Name of Inventor :
Filing Date	:29/09/2010	1)VEASEY, ROBERT
(87) International Publication No	:WO 2011/039216	2)BILTON, SIMON, LEWIS
	A3	3)JONES, CHRISTOPHER
(61) Patent of Addition to Application	:NA	4)KOUYOUMJIAN, GAREN
Number	:NA	5)MACDONALD, CATHERINE ANNE
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Resettable drive assembly for a drug delivery device is provided for. The resettable drive assembly may comprise a housing (10a, 10b, 10c), a piston rod (20) being rotatable and axially displaceable with respect to the housing between a proximal start position and a distal end position, a drive member (30) for distally displacing the piston rod towards the end position when dispensing a dose, and a stop member (50). The drive member is operable to interact with the piston rod for forming an unlockable first interlock, the first interlock being operable to block proximal movement of the piston rod with respect to the drive member. The stop member is operable to interact with the piston rod for forming an unlockable second interlock, the second interlock being operable to block proximal movement of the piston rod with respect to the housing. When the drive assembly is in a drive mode, the interlocks are locked such that proximal movement of the piston rod from the end position to the start position is prevented. For switching the drive assembly from the drive mode to a reset mode, the piston rod is rotatable with respect to the drive member for unlocking the first interlock and the stop member and the piston rod are rotatable with respect to each other for unlocking the second interlock. When the drive assembly is in the reset mode, the first interlock and the second interlock are unlocked such that proximal movement of the piston rod to the start position is allowed. Further, a drug delivery device and a use of a spring are provided for.

No. of Pages : 97 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2937/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD FOR THE MANUFACTURE OF AMINOHYDROXY DIPHOSPHONIC ACIDS

(51) International classification :C07F 9/38  
(31) Priority Document No :09172040.9  
(32) Priority Date :02/10/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/064755  
Filing Date :04/10/2009  
(87) International Publication No :WO 2011/039378  
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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Switzerland  
(72)Name of Inventor :  
**1)COGLES, SAMUEL CORENTIN**  
**2)LEMIN, DAVID**  
**3)NOTTE, PATRICK**

(57) Abstract :

The technology of this invention concerns a method for the manufacture of hydroxyl diphosphonic acids containing an amino moiety. The method specifically involves reacting a liquid P406 with an aminocarboxylic acid in the presence of sulfonic acid. The aminocarboxylic acid is selected from 3 structurally different compounds. The amino hydroxyl diphosphonic acids can be synthesized with high selectivity and purity and the unreacted starting raw materials can easily and conveniently be recirculated.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2938/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : SHIELDED CONNECTOR

(51) International classification	:H01R 13/648
(31) Priority Document No	:2010-153086
(32) Priority Date	:05/07/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/065402
Filing Date	:05/07/2011
(87) International Publication No	:WO 2012/005268
	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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TOKYO Japan

(72)Name of Inventor :

**1)OMAE, TAKASHI**

(57) Abstract :

Either displacement of a shielding sleeve itself on an outer cover is restricted or interference of a shielding member on the shielding sleeve with the outer cover as an insulating cover is prevented, so that the damage of the outer cover can be avoided. A shielded connector of the present invention includes a shielding sleeve 3, a hollow cylindrical housing 1, and a shielding terminal 2. The shielding sleeve 3 has an upstanding piece 3c that stands up in an outer diameter direction to prevent such an event that an end portion of a shielding member 25 or an end portion of the shielding terminal 2 comes into contact with the outer cover 22.

No. of Pages : 31 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2939/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : A COOLING SYSTEM FOR AN ELECTRICAL MACHINE

(51) International classification :H02K 9/10

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/EP2009/062725  
Filing Date :01/10/2009

(87) International Publication No :WO 2011/038765  
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)OSTERBERG, JOHAN**

**2)PALMGREN, STEFAN**

**3)LARSSON, ROBERT**

(57) Abstract :

A cooling system 1 for an electrical machine 2 comprises a substantially closed housing 3, a first heat exchanger 4 arranged inside of the housing 3, a second heat exchanger 5 arranged outside of the housing 3, a conduit assembly 6 for transferring a heat exchange medium 7 in a closed circuit between the first and the second heat exchangers 4, 5, a first air circulating means configured to circulate air inside of the housing 3 over the first heat exchanger 4, and a second air circulating means 9 configured to circulate air outside of the housing 3 over the second heat exchanger 5, wherein the conduit assembly 6 comprises a pump 10 for actively circulating the heat exchange medium 7 between the first and the second heat exchangers 4,5.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2940/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : LAYER 2 SEAMLESS SITE EXTENSION OF ENTERPRISES IN CLOUD COMPUTING

(51) International classification	:H04L 12/46
(31) Priority Document No	:12/571,274
(32) Priority Date	:30/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/049570
Filing Date	:21/09/2010
(87) International Publication No	:WO 2011/041162 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)WOO, THOMAS**  
**2)LI, LI, ERRAN**

(57) Abstract :

Various embodiments relate to a Cloud Data Center, a system comprising the Cloud Data Center, and a related method. The Cloud Data Center may include a logical customer edge router to send packets between addresses in a private enterprise network and addresses in a logical network within a cloud network using Layer 2 protocol and MAC addressing. The logical network may have resources, known as virtual machines, allocated to the private enterprise network and may share a common IP address space with the private enterprise network. A directory at the Cloud Data Center may correlate the enterprise IP addresses of virtual machines with a MAC address, cloud IP address, and a location IP address within the logical network. The Cloud Data Center may double encapsulate packets with MAC, cloudIP, and locIP headers, when sending a packet to a destination in the logical network.

No. of Pages : 36 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2947/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : RESETTABLE DRUG DELIVERY DEVICE

(51) International classification :A61M 5/315

(31) Priority Document No :09171734.8

(32) Priority Date :30/09/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/064396  
Filing Date :29/09/2010

(87) International Publication No :WO 2011/039206  
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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**4)VEASEY, ROBERT**

**5)JONES, CHRISTOPHER**

**6)KOUYOUMJIAN, GAREN**

(57) Abstract :

Drug delivery device and drive member for a drug delivery device. A drive member (1) for driving a piston rod (5) in a drug delivery device (4) is provided. The drive member (1) is configured to be driven in a rotational movement by an actuating member. The drive member (1) comprises a track (12) for transmitting a driving load from the actuating member to the drive member (1). The track (12) comprises both sections running in a distal and sections running in a proximal direction of the drive member (1). Moreover, a drug delivery device (4) comprising such a drive member (1) is provided.

No. of Pages : 74 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2949/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD FOR THE REALIZATION OF BIOLOGICALLY COMPATIBLE PROSTHESIS

(51) International classification :B22F 3/10  
(31) Priority Document No :VR2009A000154  
(32) Priority Date :30/09/2009  
(33) Name of priority country :Italy  
(86) International Application No :PCT/IB2010/054401  
Filing Date :29/09/2010  
(87) International Publication No :WO 2011/039716  
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)BIOCOATINGS S.R.L.**  
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(72)Name of Inventor :  
**1)BUCCIOTTI, FRANCESCO**  
**2)ROBOTTI, PIERFRANCESCO**  
**3)FACCHINI, LUCA**

(57) Abstract :

Method for the realization of a biologically compatible prosthesis component (50; 60; 90), comprising the steps of having at least two materials (20, 22, 26) with different physical/chemical features, defining in forming means (10) the component (50; 60; 90) as a composition of at least two volumes of at least two materials (20, 22, 26), sintering the component (50, 60, 90) in the forming means (10) and at a present sintering temperature (Tl).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2951/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : HIGHLY REFLECTIVE ROOFING SYSTEM

(51) International classification	:E04D5/12
(31) Priority Document No	:61/248,285
(32) Priority Date	:02/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/045720
Filing Date	:17/08/2010
(87) International Publication No	:WO 2011/041033 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)NATIONAL COATINGS CORPORATION**  
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CAMARILLO, CALIFORNIA-93010 U.S.A.  
(72)**Name of Inventor :**  
**1)SEXAUER, ERIC**  
**2)KOLB, MATTHEW, W.**

(57) Abstract :

A cooling roofing system (10,50) includes highly reflective calcined kaolin particles (20, 62) having a solar reflectance of 80% to 92%. When applied to a roofing substrate (54), the highly reflective kaolin particles (20,62) produce a roofing system having a solar reflectance greater than or equal to 70%.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2952/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : WATER-ABSORBENT POLYMER PARTICLES

(51) International classification	:C08F2/10
(31) Priority Document No	:61/239,808
(32) Priority Date	:04/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/062832
Filing Date	:02/09/2010
(87) International Publication No	:WO 2011/026876
	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)DOBRAWA, RAINER**

**2)DANIEL, THOMAS**

**3)STUEVEN, UWE**

**4)KRUGER, MARCO**

**5)LOPEZ VILLANUEVA, FRANCISCO JAVIER**

**6)HERFERT, NORBERT**

**7)MITCHELL, MICHAEL, A.**

**8)FLORE, KARIN**

**9)BLEI, STEFAN**

(57) Abstract :

The present invention relates to a process for producing water-absorbent polymer particles by polymerizing droplets of a monomer solution in a surrounding heated gas phase and flowing the gas cocurrent through the polymerization chamber, wherein the temperature of the gas leaving the polymerization chamber is 130°C or less, the gas velocity inside the polymerization chamber is at least 0.5 m/s, and the droplets are generated by using a droplet plate having a multitude of bores.

No. of Pages : 122 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2954/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : DISPLAY DEVICE

(51) International classification	:G06F3/042
(31) Priority Document No	:2009-226565
(32) Priority Date	:30/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/059684
Filing Date	:08/06/2010
(87) International Publication No	:WO 2011/040092
	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)SUGITA, YASUHIRO**

**2)TANAKA, KOHHEI**

**3)YAMAMOTO, KAORU**

**4)KATOH, HIROMI**

(57) Abstract :

A plurality of first sensor pixel circuits 10a each sensing light during a sensing period when a backlight is turned on and retaining the amount of sensed light otherwise in accordance with a clock signal CLKa and a plurality of second sensor pixel circuits 10b each sensing light during a sensing period when the backlight is turned off and retaining the amount of sensed light otherwise in accordance with a clock signal CLKb are arranged in a pixel region 4. The sensor pixel circuits of two types are connected to different output lines OUTa and OUTb, so that a difference between two output signals is obtained at the outside of the sensor pixel circuit. The sensor pixel circuits described above are used for detecting a difference between an amount of light to be incident when the backlight is turned on and an amount of light to be incident when the backlight is turned off. Thus, there is provided a display device having an input function which does not depend on light environments.

No. of Pages : 120 No. of Claims : 15

(54) Title of the invention : ELECTROLYZER HAVING INCREASED CONTACT SPECIFIC SURFACE AREA FOR THE RECOVERY OF VALUABLE METALS

(51) International classification :C25C3/16  
 (31) Priority Document No :0-2009-0097231  
 (32) Priority Date :13/10/2009  
 (33) Name of priority country :Republic of Korea  
 (86) International Application No :PCT/KR10/006937  
 Filing Date :11/10/2010  
 (87) International Publication No :WO 2011/046332  
 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)SUK, SANGYOUP**

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(72)Name of Inventor :

**1)SUK, SANGYOUP**

(57) Abstract :

It is an object of the present invention to provide an electrolyzer having increased contact specific surface area for the recovery of valuable metals, wherein the electrolyzer comprises: a housing having a rear end with an inlet port and a front end with an outlet port, and having an internal space with a downwardly inclined bottom; a plurality of anodes arranged within the housing such that each of the anodes divides the internal space of the housing in a widthwise direction; and a plurality of cathode units interposed between the anodes to divide the space between the adjacent anodes into two electrolytic spaces. The wastewater introduced through the inlet port sequentially passes through the plurality of electrolytic spaces such that valuable metals are electro-deposited to the cathode units and recovered. Subsequently, the wastewater is discharged through the outlet port. The electrolyzer having increased contact specific surface area for the recovery of valuable metals according to the present invention is advantageous in that each of the cathode units has a second cathode, a first cathode, a third cathode, and cathode wires which fill the spaces among the first, third and second cathodes, to increase the contact specific surface area of the wastewater introduced into the electrolyzer so that valuable metals can be easily electro-deposited and recovered even from the wastewater containing a small amount of valuable metals.

No. of Pages : 42 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2923/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : ELECTROPHOTOGRAPHIC PHOTSENSITIVE MEMBER, PROCESS CARTRIDGE, AND ELECTROPHOTOGRAPHIC APPARATUS

(51) International classification	:G03G 5/24	(71)Name of Applicant :
(31) Priority Document No	:2009-204522	1)CANON KAKBUSHIKI KAISHA
(32) Priority Date	:04/09/2009	Address of Applicant :30-2, SHIMOMARUKO 3-CHOME,
(33) Name of priority country	:Japan	OHTA-KU, TOKYO 146-8501 Japan
(86) International Application No	:PCT/JP2010/065569	(72)Name of Inventor :
Filing Date	:30/09/2010	1)FUJII, ATSUSHI
(87) International Publication No	:WO 2011/027911	2)TSUJI, HARUYUKI
	A1	3)MATSUOKA, HIDEAKI
(61) Patent of Addition to Application	:NA	4)SHIDA, KAZUHISA
Number	:NA	5)NAKAMURA, NOBUHIRO
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An electrophotographic photosensitive member that can not easily cause charging lines even where it is an electrophotographic photosensitive member employing as a conductive layer a layer containing metal oxide particles is disclosed. Also disclosed are a process cartridge and an electrophotographic apparatus which have such an electrophotographic photosensitive member. The electrophotographic photosensitive member has a conductive layer which contains titanium oxide particles coated with tin oxide doped with phosphorus or tungsten.

No. of Pages : 49 No. of Claims : 4



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2924/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : ORAL DOSAGE FORM, COMPRISING AT LEAST ONE BIOLOGICALLY ACTIVE AGENT, FORMULATION AUXILIARY SUBSTANCES MAGNETIZABLE PARTICLES

(51) International classification :A61B 5/00  
(31) Priority Document No :61/239,613  
(32) Priority Date :03/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/EP2010/062641  
Filing Date :30/08/2010  
(87) International Publication No :WO 2011/026808  
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)HARTWIG, BENEDIKT**

**2)WINDHAB, NORBERT**

**3)LIEFKE, MELANIE**

**4)TOME ALCALDE, JUAN**

**5)DAMM, MICHAEL**

**6)LIZIO, ROSARIO**

**7)GOTTSCHALK, MICHAEL**

**8)OLF, ANGELA**

**9)MEIER, CHRISTIAN**

**10)GRYCZKE, ANDREAS**

(57) Abstract :

The invention relates to an oral dosage form, comprising at least one biologically active agent, formulation auxiliary-substances and magnetizable particles, wherein the dosage form has an at least two phase composition, wherein the phases can dissolve in the body after oral administration due to their formulation and the magnetizable particles are bound in formulation auxiliary substances and are present in a magnetized state, wherein the magnetized particles are present in at least two phases of the dosage form and generate magnetic fields, wherein these phases dissolve at different times in the body after oral administration, and wherein the magnetic field strength with respect to time, position and movement in the body is acquired using a detection system and can be evaluated using a computer-based evaluation system.

No. of Pages : 49 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.406/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :11/01/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : DENDRIMER BASED NANODEVICES FOR THERAPEUTIC AND IMAGING PURPOSES

(51) International classification :A61K9/14  
(31) Priority Document No :61/187,263  
(32) Priority Date :15/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/038068  
Filing Date :10/06/2010  
(87) International Publication No :WO 2010/147831 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)WAYNE STATE UNIVERSITY**  
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**2)NATIONAL INSTITUTES OF HEALTH**  
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**1)KANNAN, RANGARAMANUJAM, M.**  
**2)KANNAN, SUJATHA**  
**3)ROMERO, ROBERTO**

(57) Abstract :

A nanodevice composition including N-acetyl cysteine linked to a dendrimer, such as a PAMAM dendrimer, is provided. Also provided is a nanodevice for targeted delivery of a compound to a location in need of treatment. The nanodevice includes a PAMAM dendrimer linked to the compound via a disulfide bond. There is provided a nanodevice composition for localizing and delivering therapeutically active agents, the nano device includes a PAMAM dendrimer and at least one therapeutically active agent attached to the PAMAM dendrimer. A method of site-specific delivery of a therapeutically active agent, by attaching a therapeutically active agent to a PAMAM dendrimer using a disulfide bond, administering the PAMAM dendrimer to a patient in need of treatment, localizing the dendrimer to a site in need of treatment, and releasing the therapeutically active agent at the site in need of treatment.

No. of Pages : 248 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6559/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :13/09/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : TETRAHYDRONAPHTHALEN-2-OL DERIVATIVES

(51) International classification :C07C39/42  
(31) Priority Document No :09155076.4  
(32) Priority Date :13/03/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/053167  
Filing Date :12/03/2010  
(87) International Publication No :WO 2010/103095  
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)N.V. ORGANON**  
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**1)STOCK, HERMAN, THIJS**  
**2)TEERHUIS, NEELTJE, MIRANDA**  
**3)VEENEMAN, GERRIT, HERMAN**

(57) Abstract :

The present invention relates to novel tetrahydronaphthalen-2-ol-derivatives to pharmaceutical compositions comprising these compounds and to their use in therapy, in particular to their use for the manufacture of a medicament for the prevention of treatment of lower urinary tract symptoms, benign prostate hyperplasia, prostate cancer, hot flushes, anxiety, depression breast cancer, medullary thyroid carcinoma, ovarian cancer, inflammatory bowel disease, arthritis, endometriosis and colon cancer.

No. of Pages : 78 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.706/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/01/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : MOBILE COMMUNICATION METHOD, MOBILE STATION, AND RADIO BASE STATION

(51) International classification	:H04W36/00
(31) Priority Document No	:2009-153046
(32) Priority Date	:26/06/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/060886
Filing Date	:25/06/2010
(87) International Publication No	:WO 2010/150884
	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) IWAMURA, MIKIO**  
**2) UMESH, ANIL**

(57) Abstract :

A mobile station UE according to the present invention comprising a gist thereof is to include, a measurement configuration acquisition unit 12 configured to acquire a measurement configuration for a second cell #2 frequency f2 from the radio base station eNB#A managing a first cell #1 by transmitting a measurement configuration request to the radio base station eNB#A managing the first cell, when it is determined that it is determined to desire to measure the second cell #2 using a frequency f2 different from a frequency f1 of the first cell #1 in communication and there is not held the measurement configuration for a second cell #2 frequency f2 ; and a measurement report transmission unit configured to transmit a measurement report including a reception quality in the second cell #2, to the radio base station eNB#A managing the first cell #1, in response to the received measurement configuration for a second cell #2 frequency f2.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.708/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/01/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : MOBILE COMMUNICATION SYSTEM, MOBILE STATION, AND RADIO BASE STATION

(51) International classification :H04W12/04  
(31) Priority Document No :2009-168130  
(32) Priority Date :16/07/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/061352  
Filing Date :02/07/2010  
(87) International Publication No :WO 2011/007686  
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)IWAMURA, MIKIO**  
**2)HAPSARI, WURI ANDARMAWANTI**

(57) Abstract :

A mobile communication system wherein a mobile station (UE) is configured to simultaneously use a plurality of frequency carriers to communicate with a radio base station (eNB) and wherein the mobile station (UE) is also configured to apply the same key (KeNB) to all of the plurality of frequency carriers, thereby performing a communication security processing.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8325/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :14/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : COMMUNICATION APPARATUS AND COMMUNICATION METHOD

(51) International classification	:H04M3/00
(31) Priority Document No	:2009-127527
(32) Priority Date	:27/05/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/003560
Filing Date	:27/05/2010
(87) International Publication No	:WO 2010/137326
	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)SAITO, KAICHIRO**

(57) Abstract :

A communication apparatus includes a user signal transmission unit that transmits a user signal required for an end user to perform communication; a manager function implementing unit that implements a function provided to a manager of the present apparatus; a license monitoring unit that monitors a license of the present apparatus, and outputs a function limitation signal when the license has expired; and a function limitation unit that limits the function implemented by the manager function implementing unit when receiving the function limitation signal. In a communication apparatus that transmits a user signal required for an end user to perform communication, a function of the apparatus is limited when a relevant license has expired, while preventing an influence of the limitation upon the end user.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8350/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :14/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEM AND METHOD OF SEARCHING BASED ON ORIENTATION

(51) International classification :G06Q30/00  
(31) Priority Document No :12/454,172  
(32) Priority Date :13/05/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/034692  
Filing Date :13/05/2010  
(87) International Publication No :WO 2010/132653 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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**2)LAFON, STEPHANE**

**3)ROMAN, AUGUSTO**

**4)TANG, XINYU**

**5)AGARWAL, SHALINI**

**6)NANAVATI, VIBHOR**

**7)VINCENT, LUC**

**8)CHAU, STEPHEN**

(57) Abstract :

A system (110) and method (FIGS. 17-19) are provided whereby, in one aspect, advertisements are displayed (780, 790) based on search terms (551-52, 850, 950) that were selected based on the angle (510, 515) at which a user is viewing a street level image (1580).

No. of Pages : 61 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3805/CHE/2011 A

(19) INDIA

(22) Date of filing of Application :08/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : AN APPARATUS

(51) International classification

:B32B

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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(72)Name of Inventor :

**1)Pushkar Prasad Patwardhan**

**2)Ravi Shenoy**

(57) Abstract :

An apparatus comprising at least one processor and at least one memory including computer program code. The at least one memory and the computer program code is configured to, with the at least one processor, cause the apparatus at least to perform.

No. of Pages : 47 No. of Claims : 10



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8341/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :14/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : PORTABLE SECURE COMPUTING NETWORK

(51) International classification	:H04L9/30
(31) Priority Document No	:12/468,948
(32) Priority Date	:20/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/034436
Filing Date	:11/05/2010
(87) International Publication No	:WO 2010/135108 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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(72)**Name of Inventor :**  
**1)VISWANATHAN, RAJESH**  
**2)STEEVES, DAVID J.**

(57) Abstract :

As provided herein, when using an untrusted network connection, a secure online environment can be created for a remote machine by connecting to a trusted computer with a trusted network connection. A proxy server is installed on a first computing device and shared encryption keys are generated for the first device and a portable storage device. A connection is initiated between a second computing device (e.g., remote device), connected to an untrusted network, and the first computing device, comprising initiating a proxy server protocol from the portable storage device (e.g., attached to the second device), using the second computing device. A secure connection between the first and second devices is created using the encryption keys.

No. of Pages : 34 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8343/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :14/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : CONSERVING CALL LOGIC DURING HANDOFF

(51) International classification	:H04L12/66
(31) Priority Document No	:12/469,876
(32) Priority Date	:21/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/035032
Filing Date	:14/05/2010
(87) International Publication No	:WO 2010/135203 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)DUTTA, AMIT KUMAR**

(57) Abstract :

Conserving call logic during hand off may be provided. First, a call may be received at a first server. Next, the first server may determine that it cannot handle the call. Then the call may be transferred by the first server to a second server with enough information so that the second server can take up the call where the first server left off. Transferring the call to the second server with enough information so that the second server can take the call up where the first server left off may comprise placing the information in a REFERRED-BY header and sending the REFERRED-BY header to the second server.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8346/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :14/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : MOBILE COMMUNICATION SYSTEM, BASE STATION, GATEWAY APPARATUS, CORE NETWORK APPARATUS, AND COMMUNICATION METHOD

(51) International classification	:H04W4/22
(31) Priority Document No	:2009-101130
(32) Priority Date	:17/04/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/053204
Filing Date	:01/03/2010
(87) International Publication No	:WO 2010/119728
	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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TOKYO 108-8001 Japan  
(72)**Name of Inventor :**  
**1)UEDA, YOSHIO**  
**2)HAYASHI, SADAFUKU**

(57) Abstract :

A mobile communication system includes a mobile station, a base station that communicates wirelessly with the mobile station, a gateway apparatus that connects the base station to a core network, and a core network apparatus that is arranged in the core network. The base station includes a control unit that includes, in a message, information indicating that the mobile station has originated a call as an emergency call, and a transmission unit that transmits the message to the core network apparatus. In addition, the core network apparatus includes a reception unit that receives the message that was transmitted from the base station.

No. of Pages : 72 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8368/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :14/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEM AND METHOD FOR MONITORING AND CONTROLLING ENERGY SYSTEM

(51) International classification :H01M 10/48  
(31) Priority Document No :1086/CHE/2009  
(32) Priority Date :11/05/2009  
(33) Name of priority country :India  
(86) International Application No :PCT/IN2010/000281  
Filing Date :30/04/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
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(72)Name of Inventor :  
**1)Chetan Kumar Maini**  
**2)Prakash Ramaraju**  
**3)Sathyanarayana Nagendra Babu**

(57) Abstract :

A method and system for identifying at a remote location at least one condition associated with an energy system (102) and adapting control in an energy system (102) is provided. The energy system (102) includes an energy storage system (ESS) (104) for storing electric energy energy consumption system (ECS) (106) for consuming electric energy from the ESS (104) and energy management system (EMS) (108) for interacting with the ESS (104) and the ECS (106). For identifying the condition a parameter associated with the ESS (104) is measured. Thereafter the measurement is compared with reference data to determine deviation of the measured parameter from the reference data. The deviation indicates condition of the energy system (102). The deviation is determined by the EMS (108) or at the remote location. Further if the deviation is determined by the EMS (108) the same is sent to the remote location.

No. of Pages : 66 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8354/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :14/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : COMPOSITIONS AND METHODS FO INHIBITING EXPRESSION OF GLUCOCORTICOID RECEPTOR (GCR) GENES

(51) International classification :A61P3/10  
(31) Priority Document No :09160411.6  
(32) Priority Date :15/05/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/056527  
Filing Date :12/05/2010  
(87) International Publication No :WO 2010/130771  
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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**1)BAILLY, JACQUES**  
**2)BENARDEAU, AGNES**  
**3)BRAMLAGE, BIRGIT**  
**4)CONSTIEN, RAINER**  
**5)FORST, ANDREA**  
**6)HOSSBACH, MARKUS**  
**7)SCHOTT, BRIGITTE**

(57) Abstract :

This invention relates to a double-stranded ribonucleic acid (dsRNA) for inhibiting the expression of a GCR gene. The invention also relates to a pharmaceutical composition comprising the dsRNA or nucleic acid molecules or vectors encoding the same together with a pharmaceutically acceptable carrier; methods for treating diseases caused by the expression of a GCR gene using said pharmaceutical composition; and methods for inhibiting the expression of GCR in a cell.

No. of Pages : 134 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8370/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :14/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD FOR VALIDATION AND INTRODUCTION OF ONE OR MORE FEATURES IN ELECTRICALLY POWERED SYSTEM

(51) International classification	:G01R 31/00	(71)Name of Applicant :
(31) Priority Document No	:1086/CHE/2009	<b>1)MAHINDRA REVA ELECTRIC VEHICLES PVT. LTD</b>
(32) Priority Date	:11/05/2009	Address of Applicant :122E Bommasandra Industrial Area
(33) Name of priority country	:India	Bangalore 560099 Karnataka India
(86) International Application No	:PCT/IN2010/000280	(72)Name of Inventor :
Filing Date	:03/04/2010	<b>1)Chetan Kumar Maini</b>
(87) International Publication No	: NA	<b>2)Prakash Ramaraju</b>
(61) Patent of Addition to Application Number	:NA	<b>3)Sathyanarayana Nagendra Babu</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method and a system for facilitating validation of introduction of one or more features in a variant of an electrically powered system are provided. The method includes introducing the features in plurality of electrically powered systems which are at least partially powered by electricity. Thereafter data is collected corresponding to at least one of the energy storage system and the energy consumption system of each of the plurality of electrically powered systems based on the data required for validating the features introduced in the electrically powered system. The collected data corresponding to the energy storage system and the energy consumption system is transmitted to a remote location thereby enabling analysis of the data at the remote location for validating introduction of the at least one feature in the variant of the electrically powered system.

No. of Pages : 34 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8376/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :15/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : PYRIDO[4-3-B]INDOLES AND METHODS OF USE

(51) International classification :C07D  
(31) Priority Document No :1136/MUM/2009  
(32) Priority Date :29/04/2009  
(33) Name of priority country :India  
(86) International Application No :PCT/US2010/033053  
Filing Date :29/04/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)Name of Inventor :  
**1)JAIN Rajendra Parasmal**  
**2)CHAKRAVARTY Sarvajit**

(57) Abstract :

New heterocyclic compounds that may be used to modulate a histamine receptor in an individual are described. Pyrido[4 3-b]indoles are described as are pharmaceutical compositions comprising the compounds and methods of using the compounds in a variety of therapeutic applications including the treatment of a cognitive disorder psychotic disorder neurotransmitter-mediated disorder and/or a neuronal disorder.

No. of Pages : 140 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8381/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :15/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : PROCESS FOR PRODUCING (METH) ACRYLIC ACID AND CRYSTALLIZATION SYSTEM

(51) International classification :C07C 51/43  
(31) Priority Document No :2009-119163  
(32) Priority Date :15/05/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/057808  
Filing Date :07/05/2010  
(87) International Publication No :WO 2010/131603  
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)NIPPON SHOKUBAI CO., LTD**  
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(72)Name of Inventor :  
**1)SUGIMOTO, TAKASHI**

(57) Abstract :

A process for producing (meth)acrylic acid comprising the steps of: supplying a cooling medium to a crystallizer (1) from a heat source device (4A), thereby crystallizing (meth)acrylic acid from a crude (meth)acrylic acid solution; discharging the cooling medium from the crystallizer (1) and returning the cooling medium to the heat source device (4A); supplying a heating medium to the crystallizer (1) from a heat source device (4B), thereby melting the (meth)acrylic acid; and discharging the heating medium from the crystallizer (1) and returning the heating medium to the heat source device (4B); wherein temperature of the cooling medium returned to the heat source device (4A) is maintained constant by utilizing a first buffer tank (5); and temperature of the heating medium returned to the heat source device (4B) is maintained constant by utilizing a second buffer tank (6).

No. of Pages : 102 No. of Claims : 19



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8385/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :15/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : REFERENCE SIGNAL TRANSMITTING METHOD AND DEVICE IN A MULTI-ANTENNA SYSTEM

(51) International classification :H04B7/04  
(31) Priority Document No :61/176,948  
(32) Priority Date :11/05/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/KR2010/002988  
Filing Date :11/05/2010  
(87) International Publication No :WO 2010/131890 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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(72)Name of Inventor :  
**1)NOH, MIN SEOK**  
**2)CHUNG, JAE HOON**  
**3)KWON, YEONG HYEON**  
**4)KO, HYUN SOO**  
**5)HAN, SEUNG HEE**  
**6)LEE, MOON IL**

(57) Abstract :

Provided are a reference signal transmitting method and device in a multi-antenna system. A terminal generates a plurality of reference signal sequences to which different cyclic shift values are allocated, respectively, generates an orthogonal frequency division multiplexing (OFDM) symbol to which the plurality of reference signal sequences are mapped, and transmits the OFDM symbol to a base station through a plurality of antennas. Each cyclic shift value allocated to each reference signal sequence is determined on the basis of a parameter n indicated by a cyclic shift field transmitted from a physical downlink control channel (PDCCH).

No. of Pages : 59 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8389/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :15/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : HETEROCYCLIC ANTIVIRAL COMPOUNDS

(51) International classification :A61P31/12

(31) Priority Document No :61/179,857

(32) Priority Date :20/05/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/EP2010/056686  
Filing Date :17/05/2010

(87) International Publication No :WO 2010/133528  
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)CHIN, ELBERT**

**2)LI, JIM**

**3)LUI, ALFRED SUI-TING**

**4)TALAMAS, FRANCISCO XAVIER**

(57) Abstract :

Compounds having the formula I wherein wherein R1, R2, R3b, R4a, R4b, R4c and as defined herein are Hepatitis C virus NS5b polymerase inhibitors. Also disclosed are compositions and methods for treating an HCV infection and inhibiting HCV replication.

No. of Pages : 74 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.839/CHE/2011 A

(19) INDIA

(22) Date of filing of Application :18/03/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD AND SYSTEM FOR MANAGING CONTACT INFORMATION IN A UNIVERSAL PLUG AND PLAY HOME NETWORK ENVIRONMENT

(51) International classification	:H04L	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SAMSUNG INDIA SOFTWARE OPERATIONS
(32) Priority Date	:NA	PRIVATE LIMITED
(33) Name of priority country	:NA	Address of Applicant :Bagmane Lakeview Block B No. 66/1
(86) International Application No	:NA	Bagmane Tech Park C V Raman Nagar Byrasandra Bangalore
Filing Date	:NA	560093 Karnataka India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)PATIL MAYURESH MADHUKAR
Filing Date	:NA	2)RAMAMOORTHY ARUN PRASATH
(62) Divisional to Application Number	:NA	3)MAENG JEYOUNG
Filing Date	:NA	

(57) Abstract :

The present invention provides a method and system for managing contact information in a universal plug and play (UPnP) home network environment. In one embodiment, the present invention provides a method of a telephony server (TS) for providing contact information to a telephony control point (TelCP) in a universal plug and play home network environment. The method includes receiving a request for providing contact information updates associated with at least one contact entry from the TelCP connected to the TS in an UPnP home network environment. The method further includes obtaining the requested contact information updates from an address book associated with the at least one contact entry. The method also includes providing the obtained contact information updates associated with the at least one contact entry to the TelCP.

No. of Pages : 47 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8391/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :15/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : PON SYSTEM, STATION SIDE APPARATUS, AND SUBSCRIBER SIDE APPARATUS

(51) International classification :H04L12/44  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/JP2009/060479  
Filing Date :08/06/2009  
(87) International Publication No :WO 2010/143258  
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)TSUJI, AKIHIRO**

(57) Abstract :

An OLT 2 transmits an inquiry frame for checking a link and checking a data accumulation amount from an ONU 4. The ONU 4 returns an inquiry response frame as a response. When the ONU 4 detects a state in which an upstream traffic is not present, the ONU 4 writes to that effect on the response frame and transmits the response frame to the OLT 2. The OLT 2 monitors a downstream traffic. When the OLT 2 recognizes, based on a result of the monitoring or the inquiry response frame, a state in which the upstream or downstream traffic is not present, the OLT 2 instructs the ONU 4 to transition to a low power consumption mode. When the ONU 4 receives the instruction, the ONU 4 transitions a function unit corresponding to instruction content to the low power consumption mode. When the ONU 4 does not receive the inquiry frame for a predetermined time, the ONU 4 transitions function units other than a function unit that performs communication control to the low power consumption mode. The OLT 2 stops the transmission of the inquiry frame while the subscriber side apparatus transitions to the low power consumption mode.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8395/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :15/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : INTEGRATED PORTABLE STAND&NBSP; POWER SUPPLY&NBSP; AND CONTROL PANEL

(51) International classification :F16M 11/38

(31) Priority Document No :61/183,950

(32) Priority Date :03/06/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/037342

Filing Date :03/06/2010

(87) International Publication No : NA

(61) Patent of Addition to Application  
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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23320 U.S.A.

(72)Name of Inventor :

**1)INTRAVATOLA Lawrence Shane**

(57) Abstract :

A portable stand with an integral power supply and controller a mast for supporting a functional device and a stabilizing leg assembly comprises a main housing for a power supply and connected to the main housing are retractable and extendable support legs and an extendable and retractable mast. The mast includes a mount for holding at least one functional device to form a single integral unit that provides for storage stable support and power for a functional device that is mounted onto the mast and portability.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8396/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :15/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEM AND METHOD FOR RESOLVING CONFLICTS BETWEEN AIR INTERFACES IN A WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04W 72/04  
(31) Priority Document No :61/178,332  
(32) Priority Date :14/05/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/034024  
Filing Date :07/05/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)Name of Inventor :  
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**2)SHAHIDI Reza**  
**3)LIE Gregory R.**  
**4)GARACH Ravindra M.**  
**5)JU Shian-De**  
**6)LIN Yu-Chuan**

(57) Abstract :

A device and method for resolving conflicts between air interfaces in a wireless communication system are disclosed. In one embodiment the method comprises communicating over a first air interface receiving a request for resources for concurrent use in communicating over a second air interface determining that a conflict does not exist between resources for the first air interface and at least a portion of the requested resources for the second air interface and concurrently communicating over the first air interface using resources for the first air interface and communicating over the second air interface using at least a portion of the requested resources for the second air interface.

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

## (54) Title of the invention : NOZZLE FOR ADHESIVE COATER

(51) International classification :B05C5/02  
 (31) Priority Document No :2009-137664  
 (32) Priority Date :08/06/2009  
 (33) Name of priority country :Japan  
 (86) International Application No :PCT/JP2010/059321  
       Filing Date :02/06/2010  
 (87) International Publication No :WO 2010/143567  
       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)OGASAWARA, YOSHIKAZU**  
**2)ITO, NORIAKI**

## (57) Abstract :

The present invention provides a nozzle assembly adapted to apply adhesives uniformly when forming one or 5more adhesive lines on upper surface of a fibrous web continuously running. A nozzle assembly 12 in an adhesive coater 11 to form one or more adhesive lines extending in a machine direction MD on an upper surface 2a of a fibrous web 2 continuously running in the machine direction MD has 10first, second and third working regions arranged in this order from upstream toward downstream in the machine direction MD as described below: (1) the first working region adapted to come in. close contact with the fibrous web 2 fully in a width direction of the fibrous web 2; (2) 15the second working region comprising first partitioning regions are arranged intermittently in a cross direction being orthogonal to the machine direction MD and adhesive outlets each defined between each pair of the adjacent first partitioning regions; and (3) the third working 20region including second partitioning regions arranged intermittently in the cross direction downstream of the first partitioning regions and stepped regions each defined between each pair of the adjacent second partitioning regions so that surfaces of the respective stepped regions facing the upper surface 2a of the fibrous web 2 are spaced from the upper surface 2a of the fibrous web 2 at least by 0.1mm.

No. of Pages : 43 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8399/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :15/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : A FAULT-RESILIENT METHOD OF GENERATING COMPLETE CORRELATED IMS CHARGING DATA RECORDS

(51) International classification	:H04L12/14
(31) Priority Document No	:12/472,879
(32) Priority Date	:27/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/035497
Filing Date	:20/05/2010
(87) International Publication No	:WO 2010/138363 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)RANJAN SHARMA**  
**2)SHENGQIANG WANG**  
**3)YIGANG CAI**

(57) Abstract :

An IMS charging collection function node for processing incoming accounting requests (ACRs) is provided. The node includes an ACR database that stores ACR messages, an Incomplete database that stores any ACR [Interim] or [Stop] received by the charging collection function node when a corresponding ACR [Start] is not stored in the ACR database, or also ACR[Start] when the remaining accounting requests, consisting of ACR [Interim] or [Stop] are not available with the charging collection function, a disk that stores ACRs; a first transformation engine that aggregates CDRs, a CDR aggregation database that stores aggregated CDRs, a second transformation engine that correlates CDRs, a CDR correlation database that stores correlated CDRs, and a third evaluation engine that cyclically evaluates the Incomplete database, wherein the IMS charging collection function node is communicatively and collaboratively coupled with other IMS charging collection function nodes across the IMS network to eliminate or reduce production of incomplete CDRs.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8400/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :15/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEM AND METHOD FOR DROPPING AND ADDING AN AIR INTERFACE IN A WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04W 72/08  
(31) Priority Document No :61/178,332  
(32) Priority Date :14/05/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/034018  
Filing Date :07/05/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**2)LIN Yu-Chuan**  
**3)SHAHIDI Reza**  
**4)MAHAJAN Amit**  
**5)GEORGE Brian M.**

(57) Abstract :

A device and method for dropping an air interface is disclosed. In one embodiment the method comprises communicating over a first air interface and a second air interface determining an operational parameter based at least in part on a characteristic of the first air interface and dropping the second air interface based at least in part on the operational parameter. A device and method for adding an air interface is also disclosed. In one embodiment the system comprises a processor configured to drop one of a plurality of concurrently established air interfaces and to subsequently determine that at least one predetermined criteria is met before attempting to add the air interface.

No. of Pages : 35 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8401/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :15/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : DYNAMIC SWITCHING BETWEEN MIMO AND DC HSDPA

(51) International classification :H04W 76/04

(31) Priority Document No :61/179,681

(32) Priority Date :19/05/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/035458

Filing Date :19/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)Name of Inventor :

**1)ZHANG Danlu**

**2)HOU Jilei**

**3)MOHANTY Bibhu Prasad**

(57) Abstract :

A communication device configured for dynamic switching between Multiple-Input and Multiple-Output (MIMO) and Dual-Cell High Speed Downlink Packet Access (DC HSDPA) is disclosed. The communication device includes a processor and instructions stored in memory. The communication device begins a connection setup for one or more wireless communication devices obtains MIMO and DC HSDPA capabilities for the one or more wireless communication devices and optimizes the coexistence of MIMO and DC HSDPA.

No. of Pages : 43 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8398/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :15/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : A METHOD AND APPARATUS FOR SELECTING A RECEIVING APPARATUS FOR CO-CHANNEL OPERATION

(51) International classification	:H04W8/22
(31) Priority Document No	:61/174,801
(32) Priority Date	:01/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/033160
Filing Date	:30/04/2010
(87) International Publication No	:WO 2010/127239 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)ZHI-ZHONG YU**

(57) Abstract :

A method of selecting a receiving apparatus for co-channel operation, the method comprising: transmitting a first and a second data at predetermined respective power levels on a single first channel comprising a single frequency and time slot; receiving the data; measuring a characteristic of the data; transmitting a signal indicating the measured characteristic; receiving the indicating signal; and responding to the received indicating signal by selecting the receiving apparatus for co-channel operation depending on the measured characteristic.

No. of Pages : 84 No. of Claims : 64

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8406/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :15/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : HOLDING DEVICE TO BE MOUNTED ON A CARRIER AND THE USE OF SUCH A DEVICE•

(51) International classification	:B66F 9/18
(31) Priority Document No	:20091494
(32) Priority Date	:16/04/2009
(33) Name of priority country	:Norway
(86) International Application No	:PCT/NO2010/000137
Filing Date	:15/04/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Norway

(72)Name of Inventor :

**1)LAUVDAL Olav**

(57) Abstract :

A holding device for lifting and/or moving an article comprising at least one substantially plane outer surface is disclosed. The holding device is designed for mounting on an implement carrier which comprises a carrier part including connecting means so that the holding device can be mounted on the implement carrier and released from the implement carrier, and at least one holding unit which is arranged so that the at least one holding unit in a contact position can come into contact with the article and can grip the article by surface contact between the at least one holding unit and one outer surface of the article to be lifted and/or moved. The carrier part comprises at least one backstop against which the article can rest when the article is to be released from the at least one holding unit, whilst the at least one holding unit is movably mounted to the carrier part so that the at least one holding unit can be moved relative to the at least one backstop. The holding device further comprises at least one actuator for moving the at least one holding unit relative to the at least one backstop.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8410/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :15/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD&NBSP; APPARATUS AND COMPUTER PROGRAM PRODUCT FOR SHARING RESOURCES VIA AN INTERPROCESS COMMUNICATION

(51) International classification	:G06F 9/50
(31) Priority Document No	:12/425,630
(32) Priority Date	:17/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/000857
Filing Date	:16/04/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
**1)NOKIA CORPORATION**  
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(72)**Name of Inventor :**  
**1)Tommi Olavi Manttari**  
**2)Miikka Petteri Kirveskoski**

(57) Abstract :  
Attached

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8411/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :15/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : MINIMIZING INTERFERENCE TO NON-ASSOCIATED USERS

(51) International classification :H04W 72/08

(31) Priority Document No :61/179,455

(32) Priority Date :19/05/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/035470

Filing Date :19/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)YAVUZ Mehmet**

**2)TOKGOZ Yeliz**

(57) Abstract :

A method for reducing interference to wireless communication devices is described. It is determined that a base station is deployed with a first coverage area that overlaps a second coverage area of a femto access point. The base station uses a first carrier for wireless communications. The femto access point uses a second carrier for wireless communications. Transmissions by the femto access point interfere with transmissions by the base station. An amount of radio frequency (RF) leakage experienced by wireless communication devices communicating with the base station is estimated. Interference experienced by the wireless communication devices is minimized.

No. of Pages : 59 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8412/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :15/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : ALLOCATING TRANSMIT POWER AMONG MULTIPLE AIR INTERFACES

(51) International classification :H04W 52/02

(31) Priority Document No :61/178,332

(32) Priority Date :14/05/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/034010

Filing Date :07/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)HU Jun**

**2)LIN Yu-Chuan**

**3)SHAHIDI Reza**

**4)RAMASAMI Vijaya C.**

**5)GARACH Ravindra M.**

(57) Abstract :

Systems and methods for allocating transmit power among multiple interfaces in a wireless communication system are disclosed. In one embodiment the method comprises determining a first power level that is used for transmitting over a first air interface determining a maximum power level available for transmitting over a second interface comparing the first power level to the maximum power level determining a second power level that is used for transmitting over the second air interface based on the comparison of the first power level to the maximum power level and generating a power-based payload constraint based on the second power level.

No. of Pages : 34 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8413/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :15/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : HEAT DISSIPATING PROTECTIVE SHEETS AND ENCAPSULANT FOR PHOTOVOLTAIC MODULES•

(51) International classification	:H01L 31/024
(31) Priority Document No	:61/178,210
(32) Priority Date	:14/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/034664
Filing Date	:13/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

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**2)AVISON David William**

**3)MANNARINO Frank A.**

**4)LIM Samuel**

(57) Abstract :

A photovoltaic module that resists or reduces unwanted increases in temperature of the photovoltaic cells encapsulated within the module is provided. This is accomplished by incorporating materials into module components that operate to direct heat away from the solar cells that are within the modules. One or more phase change materials are incorporated into the polymer layer of the backsheet that is position closest to the solar cells. Thermally conductive materials may be incorporated into the layers and/or module components closer to the outside of the module. These materials can be used separately or in conjunction with each other.

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



(54) Title of the invention : FAILURE INDICATION FOR ONE OR MORE CARRIERS IN A MULTI-CARRIER COMMUNICATION ENVIRONMENT

(51) International classification :H04L 5/00  
 (31) Priority Document No :61/180,381  
 (32) Priority Date :21/05/2009  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/US2010/035857  
     Filing Date :21/05/2010  
 (87) International Publication No : NA  
 (61) Patent of Addition to Application Number :NA  
     Filing Date :NA  
 (62) Divisional to Application Number :NA  
     Filing Date :NA

(71)Name of Applicant :

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**2)TENNY Nathan Edward**

**3)AGASHE Parag Arun**

**4)CHEN Wanshi**

**5)DAMNJANOVIC Jelena M.**

(57) Abstract :

Systems and methodologies are described that facilitate indicating a loss of channel quality on a component carrier of a plurality of component carriers. A UE can monitor configured component carriers to determine channel qualities associated therewith. The UE can transmit carrier quality information that includes the channel qualities of the plurality of component carriers. In addition the UE can identify a component carrier experiencing a loss of channel quality and notify a base station of the component carrier with poor channel conditions. In one aspect the UE can incorporate additional information into a scheduling request. In addition the UE can generate a CQI report that contains the carrier quality information. Further the base station when a loss of channel quality occurs can retry transmission on different carriers. Moreover the base station can employ information provided by the UE when selecting a component carrier for a transmission.

No. of Pages : 64 No. of Claims : 61

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8416/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :15/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : TRANSACTION MANAGEMENT

(51) International classification :H04W 76/02

(31) Priority Document No :61/180,078

(32) Priority Date :20/05/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/035480

Filing Date :19/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**1)GRIOT Miguel**

**2)SONG Osok**

**3)MAGANTI Nagaraja Kumar**

(57) Abstract :

Transaction identifiers for transactions are managed to mitigate potential mismatches that may occur in the event a message associated with the transaction is not delivered to the intended destination. For example in the event an access terminal accepts a bearer context request the access terminal may not immediately release the transaction identifier associated with that transaction. In this way in the event the access terminal receives a second bearer context request associated with that same transaction identifier (e.g. due to the accept message not reaching the network) the access terminal may send a second accept message in response to the second bearer context request.

No. of Pages : 61 No. of Claims : 60

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8417/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :15/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : PROVISIONING SINGLE-MODE AND MULTIMODE SYSTEM SELECTION PARAMETERS AND SERVICE MANAGEMENT

(51) International classification :H04W 48/18  
(31) Priority Document No :61/177,982  
(32) Priority Date :13/05/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/034799  
Filing Date :13/05/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**2)QU Carl**  
**3)WANG Jun**  
**4)SWAMINATHAN Arvind**  
**5)RAMACHANDRAN Shyamal**  
**6)BALASUBRAMANIAN Srinivasan**

(57) Abstract :

Multi-mode system selection (MMSS) enables a mobile station (MS) to prioritize MS preference for selecting particular radio air-interfaces (AI) across multiple standards (e.g. 3GPP 3GPP2 WiMAX). 3GPP2 is developing a scheme MMSS-3GPP2 which is usually referred to as simply MMSS. Other schemes exist e.g. proprietary ones (e.g. internal ePRL) an MMSS-3GPP based on the PLMN with Access Technologies of non-3GPP systems. MMSS OTASP messages and parameters are being defined in 3GPP2 to allow the carriers to provision MMSS parameters to the mobile device. With MMSS the mobile can select and hence acquire cdma2000 and non-cdma2000 systems (e.g. LTE WiMAX) based on carriers preferences.

No. of Pages : 75 No. of Claims : 82

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8418/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :15/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEM AND METHOD FOR MANAGING CONFIGURATIONS OF DEVICES

(51) International classification :H04L 12/24

(31) Priority Document No :12/432,219

(32) Priority Date :29/04/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/032566

Filing Date :27/04/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**2)MEISER Carl Joseph III**

**3)BEHBEHANI Brian Christopher**

**4)RUNK Jon Robert**

**5)AHARONIAN David Michael**

**6)RYMESKI Scott M.**

(57) Abstract :

A system and method for configuring network critical physical infrastructure (NCPI) devices is provided. In one example a method is provided including acts of gathering by a data center management appliance at least one device configuration from an NCPI device via a network modifying the at least one device configuration and providing the modified at least one device configuration to the NCPI device via the network. In another example a data center management appliance is provided that includes a storage medium a network interface and a controller coupled to the storage medium and the network interface and configured to gather at least one device configuration from a first NCPI device via the network interface modify the at least one device configuration and provide the modified at least one device configuration to the first NCPI device via the network interface.

No. of Pages : 50 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.843/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :24/01/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : COATING AGENT FOR THE DIP COATING OF CAPSULE HALVES

(51) International classification :A61K 9/48  
(31) Priority Document No :10 2009 028 076.6  
(32) Priority Date :29/07/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/058370  
Filing Date :15/06/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)**Name of Inventor :**  
**1)SKALSKY Brigitte**  
**2)ASSMUS Manfred**  
**3)HENSEL Odette**  
**4)PETEREIT Hans-Ulrich**

(57) Abstract :

Coating compositions for the enteric coating of capsule halves made of water-soluble or water-swellaable polymer material in the dipping process in the form of an aqueous dispersion or solution comprising a polymer mixture of at least one first (meth)acrylate copolymer which is enteric and at least one further (meth)acrylate copolymer which is enteric or water-insoluble and also auxiliaries which influence the viscosity of the dispersion and the elasticity of the dried polymer film characterized in that the solids content of the dispersion or solution is more than 25% by weight and the viscosity is 150 to 1500 mPas where a dried film produced from the dispersion or solution has an elongation at break of at least 200% and a capsule composed of two capsule halves coated with the dispersion or solution in the dipping process does not dissolve in 0.1 N HCl at pH 1.2 after two hours but then completely dissolves in buffer at pH 6.8 in less than 30 minutes.

No. of Pages : 30 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8430/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : MULTI-CHANNEL VIDEO COMMUNICATION SYSTEM AND METHOD FOR PROCESSING MULTI-CHANNEL VIDEO COMMUNICATION

(51) International classification	:H04N7/24
(31) Priority Document No	:200910039393.6
(32) Priority Date	:12/05/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/072488
Filing Date	:06/05/2010
(87) International Publication No	:WO 2010/130182 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)GU, CHENCHEN**

(57) Abstract :

The present invention provides a multi-channel video communication system which includes a scalable video codec, a bit-stream truncating module, a network module and a multi-channel bit-stream truncating control module. The scalable video codec encodes a video source to generate a scalable original video bit-stream. The bit-stream truncating module is set between the scalable video codec and the network module, truncates the original video bit-stream to obtain a final video bit-stream and sends the final video bit-stream to the remote client device through the network module. The multi-channel bit-stream truncating control module is connected with the bit-stream truncating module, calculates a filter parameter for each bit-stream truncating unit in the bit-stream truncating module based on received device capabilities and network conditions of the remote client device. The present invention also provides a multi-channel video communication method in the above multi-channel video communication system.

No. of Pages : 25 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8431/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : MOVING IMAGE DISPLAY DEVICE

(51) International classification	:H04N5/93	(71)Name of Applicant :
(31) Priority Document No	:2009-120114	<b>1)SHARP KABUSHIKI KAISHA</b>
(32) Priority Date	:18/05/2009	Address of Applicant :22-22, NAGAIKE-CHO, ABENO-KU,
(33) Name of priority country	:Japan	OSAKA-SHI, OSAKA 545-8522 Japan
(86) International Application No	:PCT/JP2010/058259	(72)Name of Inventor :
Filing Date	:17/05/2010	<b>1)KIMURA, AKIRA</b>
(87) International Publication No	:WO 2010/134479	<b>2)OHKUBO, HIROSHI</b>
	A1	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

When an instruction to start list display of moving images is given, a process is performed to display representative images of respective Video 1 and Video 2. Then, a moving image of Video 1 is decoded, and the moving image of the Video 1 is displayed. Thus, a user can immediately check the contents of multiple moving images to be displayed.

No. of Pages : 63 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8421/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : INTRAVENOUS PISTON PUMP DISPOSABLE AND MECHANISM

(51) International classification :A61M 5/145

(31) Priority Document No :12/472,710

(32) Priority Date :27/05/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/036230

Filing Date :26/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)BRETT H. FRANKS**

(57) Abstract :

An apparatus for delivery of fluids to a patient includes an inlet tube and an outlet tube connected to each other at an angular joint. A rotary valve and a piston are fitted to the angular joint forming a chamber. The rotary valve is provided with a priming channel notch and a pumping notch. For priming operation with the fluid delivery apparatus a user sets the rotary valve to a priming position. During pumping operation the rotary valve rotates in coordination with the piston to transfer a quantum of fluid from the inlet tube to the outlet tube via the chamber. A second piston is optionally provided on the outlet tube for smoothing out flow rate pulsations.

No. of Pages : 41 No. of Claims : 24



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8445/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEMS, APPARATUS AND METHODS FOR INTERFERENCE MANAGEMENT OF UPLINK CHANNELS IN WIRELESS COMMUNICATION SYSTEMS

(51) International classification :H04W72/08  
(31) Priority Document No :61/180,800  
(32) Priority Date :22/05/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/033931  
Filing Date :06/05/2010  
(87) International Publication No :WO 2010/135090 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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**1)RITESH K. MADAN**  
**2)ASHWIN SAMPATH**  
**3)SAURABH R. TAVILDAR**

(57) Abstract :

Systems, methods, apparatus and computer program products for facilitating interference management on an uplink in a wireless communication system are provided. In one embodiment, a method can include: determining channel gain information measured on a downlink, wherein the determining is performed by a base station; determining interference from one or more interfering user equipment based on the channel gain information for the uplink; and calculating a nominal interference based on the interference from the one or more interfering user equipment.

No. of Pages : 135 No. of Claims : 72

(12) PATENT APPLICATION PUBLICATION

(21) Application No.845/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :24/01/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : FLUID DISPENSER WITH NESTED DISPLACEMENT MEMBERS

(51) International classification :G01F 11/02

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/EP2009/058221

Filing Date :30/06/2009

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)Name of Inventor :

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**2)POST Jan**

**3)VERSCHOOR Mart**

(57) Abstract :

Dispenser for dispensing liquids comprising an inner displacement member (28 81) nested in an outer displacement member (15 82). The inner member is moveable between two end positions within the outer member by an actuator (13 89). The actuator is arranged to move the outer displacement member into a dispensing position when the inner displacement member is in one of its end positions. The displacement members can for example be pistons and/or bellows.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8451/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : TREATMENT OF OVARIAN CANCER USING AN ANTICANCER AGENT CONJUGATED TO AN ANGIOPEP-2 ANALOG•

(51) International classification	:A61K 47/48
(31) Priority Document No	:61/171,040
(32) Priority Date	:20/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2010/000618
Filing Date	:20/04/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**1)CASTAIGNE JEAN-PAUL**  
**2)DEMEULE MICHEL**  
**3)LAWRENCE BETTY**

(57) Abstract :

Ovarian cancer is treated with conjugates of an anticancer agent and an Angiopep-2 polypeptide analog (i.e. a polypeptide comprising an ammo acid sequence at least 80% identical to Seq. ID NO:97). Such treatment includes utility in treating metastatic ovarian cancer and in treating patients who have previously exhibited resistance to standard chemotherapeutic agents. Preferred anticancer agents include taxanes while the preferred conjugate is ANG1005 a conjugate comprising three molecules of paclitaxel conjugated to the peptide Angiopep-2.

No. of Pages : 54 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8452/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : A PROCESS FOR THE ENZYMATIC REDUCTION OF ENOATES•

(51) International classification	:C12P 7/24
(31) Priority Document No	:09161888.4
(32) Priority Date	:04/06/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/057511
Filing Date	:31/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)MAURER Steffen**

**2)HAUER Bernhard**

**3)BONNEKESSEL Melanie**

**4)FABER Kurt**

**5)STCKLER Clemens**

(57) Abstract :

A process for the enzymatic reduction of an enoate (1) wherein the C=C bond of the enoate (1) is stereoselectively hydrogenated in the presence of an enoate-reductase and an oxidizable co-substrate (2) in a system which is free of NAD(P)H a. b. in which c. A is a ketone radical ( CRO) an aldehyde radical ( CHO) a carboxyl radical (-COOR) with R = H or optionally substituted C1-C6-alkyl radical d. R1 R2 and R3 are independently of one another H -O- C1-C6-alkyl -O-W with W = a hydroxyl protecting group C1-C6-alkyl which can be substituted C2-C6-alkenyl carboxyl or an optionally substituted carbo or heterocyclic aromatic or nonaromatic radical or one of R1 R2 and R3 is a.....

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8453/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD&NBSP; APPARATUS AND COMPUTER PROGRAM PRODUCT FOR PROVIDING AN ADAPTIVE CONTEXT MODEL FRAMEWORK

(51) International classification :G06F 17/30  
(31) Priority Document No :12/428,873  
(32) Priority Date :23/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/IB2010/000922  
Filing Date :23/04/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)NOKIA CORPORATION**  
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Finland  
(72)**Name of Inventor :**  
**1)Sailesh Kumar Sathish**

(57) Abstract :

An apparatus for providing adaptive context model framework may include a processor and a memory storing executable instructions that in response to execution by the processor cause the apparatus to perform various operations. The operations performed may include receiving data from a data provider for provision to an application, querying a generic data model for a representation associated with context data corresponding to the received data, translating the received data into an application specific model based on a response to the querying, and providing data to the application represented based on the application specific model. A corresponding method and computer program product are also provided.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8454/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : A POORLY SOLUBLE DRUG CONTAINING MICROSPHERE WITH IMPROVED BIOAVAILABILITY AND METHOD OF PREPARING THE SAME•

(51) International classification :A61K 9/16  
(31) Priority Document No :10-2009-0046355  
(32) Priority Date :27/05/2009  
(33) Name of priority country :Republic of Korea  
(86) International Application No :PCT/KR2010/003366  
Filing Date :27/05/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
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**2)LEE Hyun-Ki**  
**3)HWANG Jun-Seok**  
**4)HWANG Su-Jong**  
**5)PAI Chaul-Min**

(57) Abstract :

Provided are microspheres with improved bioavailability containing poorly water-soluble drugs oral preparations comprising same and a method for preparing same. The microspheres containing poorly water-soluble drugs are solid dispersions in which poorly water-soluble drugs are dispersed into non-crystalline forms in a water-soluble macromolecular carrier by a spray drying method and have the advantages of improving the bioavailability of poorly water-soluble drugs.

No. of Pages : 24 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8455/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : 2 STEP CAM MOORING SYSTEM•

(51) International classification :B63B 21/50

(31) Priority Document No :09006397.5

(32) Priority Date :12/05/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/NL2010/050280

Filing Date :12/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)Pieter LIEM**

**2)Jack POLLACK**

**3)Sbastien Jean François TRUCHI**

(57) Abstract :

This invention relates to a mooring system comprising a vessel and a elongate mooring column having an upper end connected to an arm on the vessel projecting from the vessel bow and a lower end connected to the sea bed via anchor lines characterised in that the arm is pivotable around a transverse axis.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8456/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : GLAZING WITH VERY LITTLE DOUBLE IMAGING•

(51) International classification	:B60J 1/00
(31) Priority Document No	:0953505
(32) Priority Date	:27/05/2009
(33) Name of priority country	:France
(86) Internati nal Application No	:PCT/FR2010/050975
Filing Date	:19/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
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Courbevoie France  
(72)**Name of Inventor :**  
**1)PAYEN Corinne**  
**2)THELLIER Herv**  
**3)LESAGE Jean-Luc**

(57) Abstract :

The invention relates to a curved glass pane made of float glass the area of a main face of which is greater than 1.5 m<sup>2</sup> and the product of its two depths of bending is greater than 3000 mm<sup>2</sup> and such that its point located on the normal to its surface passing through its center of gravity has a radius of curvature of less than 3 m in any direction the variation in its thickness in the longitudinal float direction being less than 10 µm over 500 mm. This pane may be assembled into laminated glazing of the automobile windshield type. Such a windshield has a very small amount of double imaging even when it is fitted into the vehicle so as to be close to the horizontal.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8457/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : THIN LAYER DEPOSITION METHOD AND PRODUCT OBTAINED•

(51) International classification :C03C 17/23

(31) Priority Document No :0953742

(32) Priority Date :05/06/2009

(33) Name of priority country :France

(86) International Application No :PCT/FR2010/051097

Filing Date :04/06/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**1)PETER Emmanuelle**

**2)KHARCHENKO Andriy**

**3)NADAUD Nicolas**

(57) Abstract :

The invention relates to a method of obtaining a substrate coated on a first face with at least one transparent and electrically conductive thin layer based on at least one oxide comprising the following steps: - said at least one thin layer is deposited on said substrate - said at least one thin layer is subjected to a heat treatment step in which said at least one layer is irradiated with the aid of radiation having a wavelength of between 500 and 2000 nm and focused on a zone of said at least one layer at least one dimension of which does not exceed 10 cm said radiation being delivered by at least one radiation device placed facing said at least one .....

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8437/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : LYSINE COMPOUNDS AND THEIR USE IN SITE- AND CHEMOSELECTIVE MODIFICATION OF PEPTIDES AND PROTEINS•

(51) International classification	:C07C 271/22
(31) Priority Document No	:09160430.6
(32) Priority Date	:15/05 2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/NL2010/050277
Filing Date	:12/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**  
**1)OVAA Huib**  
**2)EL OUALID Farid**

(57) Abstract :

The present invention concerns new thiolysine and selenolysine compounds that can be used as building blocks for peptides and proteins providing ligation handles for site- and chemoselective modification of said peptides and proteins. In particular the invention provides. In particular the invention provides (the use of) the compounds 5-thiolysine (also referred to as d-thiolysine); 4-thiolysine (also referred to as -thiolysine); 5-selenolysine (also referred to as d-selenolysine) and 4-selenolysine (also referred to as -selenolysine). The positioning of the thiol or selenol group at the respective carbon atom allows for a very efficient intramolecular transfer reaction to take place after conjugation with a selected ligand and the thiol ...

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8438/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : FUEL SYSTEMS AND METHODS FOR COLD ENVIRONMENTS

(51) International classification :F02M 31/125

(31) Priority Document No :61/179,633

(32) Priority Date :19/05/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/034818

Filing Date :13/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)STURMAN Oded Eddie**

(57) Abstract :

Fuel systems and methods for cold environments which includes a fuel pump having at least one solenoid coil in an unlaminated magnetic circuit the fuel pump being disposed in a fuel tank and a pump drive and pulsing system the pump drive providing pump actuation current to the solenoid coil and the pulsing system providing short current pulses to the solenoid coil to cause Eddy current losses in the unlaminated magnetic circuit. The method includes before cranking the engine for starting the engine providing short successive current pulses to the solenoid coil to cause eddy current heating in the unlaminated circuit and heating of the fuel in and around the fuel pump turning on the fuel pump to commence fuel flow to the engine and cranking the engine for starting after the fuel pump has been turned on. Various features are disclosed.

No. of Pages : 17 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(21) Application No.844/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :24/01/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : COMPOSITION COMPRISING AN ANIONIC POLYMERIC MATERIAL AND THE SALT OF A SATURATED MONOCARBOXYLIC ACID HAVING 6 TO 22 CARBON ATOMS

(51) International classification :A61K 9/28

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/EP2009/059860

Filing Date :30/07/2009

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**1)ROTH Erna**

**2)ALEXOWSKY Rüdiger**

**3)PETEREIT Hans-Ulrich**

(57) Abstract :

The invention relates to a coating composition for the coating or binding of pharmaceutically nutraceutically or cosmetically active ingredients comprising (a) an anionic polymeric material and (b) one or more salts of saturated monocarboxylic acids having 6 to 22 carbon atoms characterized in that the amount of the salts of the monocarboxylic acids in the composition corresponds to 3 to 50 mol percent of the amount of anionic groups in the polymeric material. The invention also relates to a process for preparing a dispersion out of the composition as well as the use of said composition in enteric-coated solid dosage forms.

No. of Pages : 53 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8442/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : TRANSDERMAL PREPARATION

(51) International classification :A61K 9/70  
(31) Priority Document No :2009-112234  
(32) Priority Date :01/05/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/057659  
Filing Date :30/04/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)Name of Inventor :  
**1)AMANO Satoshi**  
**2)SHINODA Tomohiro**  
**3)KASE Natsumi**

(57) Abstract :

Provided is a transdermal preparation which is capable of long-term (1-day to 7-day) release of a basic drug from a preparation continuously and at a consistent concentration; shows little reduction over time in the drug content even if multiple drugs are contained in the preparation; and is produced by a simple process. The transdermal preparation comprises a substrate and an adhesive layer containing a basic drug and a water-soluble polymer.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8458/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : LAMINATED GLASS PANEL FOR A HEADS-UP DISPLAY SYSTEM•

(51) International classification :B32B 17/10

(31) Priority Document No :0953662

(32) Priority Date :03/06/2009

(33) Name of priority country :France

(86) International Application No :PCT/FR2010/051059

Filing Date :01/06/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)Name of Inventor :

**1)LABROT Michael**

**2)BRENIAUX Marle-Helene**

**3)SABLAYROLLES Jean**

(57) Abstract :

The present invention relates to a laminated glazing for information display of the automobile windshield or architectural glazing type comprising an assembly of at least two transparent sheets of inorganic glass or of a strong organic material joined together by an interlayer of a thermoformable material or by multilayer foils incorporating such an interlayer said glazing being characterized in that a luminophore material of the hydroxyterephthalate type is integrated into said interlayer allowing said display.....

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8459/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : PRE-IMPREGNATED DIELECTRIC STRIP FOR A RADOME•

(51) International Classification	:C08J 5/04
(31) Priority Document No	:0953582
(32) Priority Date	:29/05/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/050978
Filing Date	:20/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :  
**1)MOLINS Laurent**

(57) Abstract :

The invention relates to a continuous tape comprising a fibrous structure comprising continuous or discontinuous fibers and a resin that is tacky at a temperature ranging from room temperature to 300°C said tape having at 20°C and 9.375 GHz a dielectric constant of between 2 and 7 and a dielectric loss tangent of between  $1 \times 10^{-4}$  and  $3 \times 10^{-2}$  said fibrous structure being rigid enough for said tape to have a rigidity of between 50 and 300 at a temperature at which said resin is tacky the rigidity of the tape being measured with a 15 cm long rectilinear segment a 5-cm piece of which is placed on the edge of a horizontal surface the unsupported 10 cm sagging to make an angle to the horizontal which angle characterizes the rigidity of the tape. The tape according to the invention lends itself well to the manufacture of dielectric composites, such as radomes, with the fiber placement technique.

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

(54) Title of the invention : BIOASSAY METHOD FOR ANTIBODY AGAINST THYROID-STIMULATING HORMONE RECEPTOR MEASUREMENT KIT FOR THE ANTIBODY AND NOVEL GENETICALLY MODIFIED CELL FOR USE IN THE BIOASSAY METHOD OR THE MEASUREMENT KIT

(51) International classification	:C12N 5/00	(71)Name of Applicant :
(31) Priority Document No	:2009-155183	<b>1)OTSUKA PHARMACEUTICAL CO. LTD</b>
(32) Priority Date	:30/06/2009	Address of Applicant :9 Kanda Tsukasa-machi 2-chome
(33) Name of priority country	:Japan	Chiyoda-ku Tokyo 101-8535 Japan
(86) International Application No	:PCT/JP2010/060731	(72)Name of Inventor :
Filing Date	:24/06/2010	<b>1)ARAKI Naohiro</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

The present invention provides a method and a kit for assaying a TSH receptor antibody which are easy to manipulate and are safe. Specifically the present invention provides a composition comprising a genetically modified cell forced to co-express a TSH receptor a cyclic nucleotide responsive calcium channel and a luminescent protein aequorin. Use of the composition enables the assay of a TSH receptor antibody contained in a sample.

No. of Pages : 118 No. of Claims : 39



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8460/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : EXTRUDER•

(51) International classification	:B21C 23/21
(31) Priority Document No	:200910144064.8
(32) Priority Date	:08/07/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/000776
Filing Date	:01/06/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :  
**1)YUE Guangming**  
**2)XIANG Xiaohong**  
**3)CHEN Xuemo**

(57) Abstract :

Disclosed is an extruder. The extruder has a frame (10) provided with two extruding wheels (20, 30) whose rotational axes (22, 32) are parallel to each other. The extruding wheels (20, 30) can rotate inversely and have at least one circumferential extruding wheel grooves (21, 31) respectively on their rims. Guide seats (50) are provided on the extruding wheel grooves (21, 31) and matched with them respectively, hence extruding cavities through which a blank passes are formed between the guide seat (50) and the corresponding extruding wheel grooves (21,31). A mold seat (40) is provided between two extruding wheels (20, 30). A channel through which a cable (60) passes is provided in the mold seat (40). Two sides of the mold seat (40) along the shaft axis are symmetrically arranged with radial holes (41) communicating with the extruding cavities and the encasing room (44) of the mold seat (40), thus the outlet of the encasing room (44) wraps at the outer circumference of the outlet end of the cable (60) inside the channel. The extruder in the present invention shortens the channel of the blank and thus improves the production.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8461/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : A METHOD AND ARRANGEMENTS FOR ANALYSING MULTIMEDIA CONTENT•

(51) International classification :G06F 17/18

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/SE2009/050881  
Filing Date :08/07/2009

(87) International Publication No : NA

(61) Patent of Addition to Application  
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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**1)GEORGAKIS Apostolos**

(57) Abstract :

A method and arrangements at a multimedia distribution network for estimating a present user constellation of a household are suggested. A sequence of textual descriptors that are associated with a multimedia sequence that is presently provided to the household is monitored. By acquiring a set of parameters of a statistical model that is based on textual descriptors that have previously been provided to the household and by estimating a present user constellation by correlating the sequence of textual descriptors with the parameters of the statistical model the estimated information may be used for customization of content that is provided to the household.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8463/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR PERFORMING SEARCHES WITH MULTIPLE RECEIVE DIVERSITY (RXD) SEARCH MODES

(51) International classification	:H04B 7/08
(31) Priority Document No	:61/182,544
(32) Priority Date	:29/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/036597
Filing Date	:28/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

**1)HU An-Swol C.**

**2)JOOTAR Jittra**

(57) Abstract :

Techniques for performing searches by a user equipment (UE) equipped with multiple receive antennas are described. In an aspect the UE may support multiple receive diversity (RxD) search modes. Each RxD search mode may be different from each remaining RxD search mode in how correlation is performed how correlation results are combined and/or how search results are reported for the multiple receive antennas. The UE may select an RxD search mode from among the multiple RxD search modes and may perform at least one step of a search in accordance with the selected RxD search mode. In another aspect the UE may perform a search with interference cancellation to detect cell(s). The UE may determine multiple complex weights for multiple receive antennas such that signals from interfering cells can be attenuated. The UE may perform a search to detect cell(s) using the complex weights.

No. of Pages : 41 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8466/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : DIGITAL TRANSCRIPTION SYSTEM UTILIZING SMALL APERTURE ACOUSTICAL SENSORS

(51) International classification :G06F 3/01  
(31) Priority Document No :12/431,715  
(32) Priority Date :28/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/028533  
Filing Date :24/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
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(72)**Name of Inventor :**  
**1)Yao DING**  
**2)Jacob HAREL**  
**3)Timothy Alan MISKO**

(57) Abstract :

A pen transcription system and method for using the same are disclosed. The pen transcription system includes a receiver having first and second acoustical sensors mounted on a planar base and separated from one another an EM detector and a controller. The first and second acoustical sensors detect an acoustical signal at a first wavelength emitted by a moveable signal source. The EM detector detects an EM signal that is synchronized with the acoustical signal. The controller measures the difference in time of detection between the EM signal and the acoustical signals detected by the first and second acoustical sensors. The acoustical sensors include a detector and a housing surrounding the detector, the housing having an aperture having a maximum dimension that is less than the first wavelength divided by 6.28.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8467/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :17/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : CONJUGATION METHODS•

(51) International classification :A61K 47/48

(31) Priority Document No :61/183,774

(32) Priority Date :03/06/2009

(33) Name of priority country :U.S.A.

(86) International application No :PCT/US2010/037046

Filing Date :02/06/2010

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)IMMUNOGEN INC.**

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(72)Name of Inventor :

**1)KELLOGG Brenda A.**

**2)SINGH Rajeeva**

**3)CHARI Ravi V. J.**

(57) Abstract :

This invention describes a method of conjugating a cell binding agent such as an antibody with an effector group (e.g. a cytotoxic agent) or a reporter group (e.g. a radionuclide) whereby the reporter or effector group is first reacted with a bifunctional linker and the mixture is then used without purification for the conjugation reaction with the cell binding agent. The method described in this invention is advantageous for preparation of stably-linked conjugates of cell binding agents such as antibodies with effector or reporter groups. This conjugation method provides in high yields conjugates of high purity and homogeneity that are without inter-chain cross-linking and inactivated linker residues.

No. of Pages : 96 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8468/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :17/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : CONTROLLED-RELEASE FLOATING PHARMACEUTICAL COMPOSITIONS •

(51) International classification :A61K 9/50

(31) Priority Document No :09 53601

(32) Priority Date :29/05/2009

(33) Name of priority country :France

(86) International Application No :PCT/FR2010/051038

Filing Date :28/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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69200 Venissieux France

(72)Name of Inventor :

**1)CASTAN Catherine**

**2)CAISSE Philippe**

(57) Abstract :

The invention relates to a pharmaceutical composition that includes a plurality of controlled-release coated microparticles each comprising a floating core at the surface of which a layer containing at least one active principle is deposited said layer being covered by a controlled-release coating characterized in that said floating core consists of cellulose phthalate acetate and has a bulk density of less than or equal to 0.6 g/mL and in that said coated microparticles have a density of less than or equal to 0.7 g/mL.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8469/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :17/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD FOR PREPARING HOLLOW PARTICLES&NBSP; AND USES THEREOF•

(51) International classification :A61K 31/403

(31) Priority Document No :09 53607

(32) Priority Date :29/05/2009

(33) Name of priority country :France

86) I ternational Application No :PCT/FR2010/051039

Filing Date :28/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application  
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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69200 Venissieux France

(72)Name of Inventor :

**1)CASTAN Catherine**

**2)CAISSE Philippe**

(57) Abstract :

The invention relates to a process for the preparation of hollow particles comprising: 11 depositing by spraying, in particular in a fluidized bed, onto a substrate partially soluble in a liquid medium M, a coating comprising: - 40 to 100 % by weight of at least one compound which is insoluble in water at a pH of less than 5, said compound which is insoluble in water at a pH of less than 5 comprising at least one polymer, and - 60 to 0 % of at least one water-soluble compound, 21 extracting a part of the substrate into the medium M, and 31 drying the particles obtained in stage 2. the hollow particles obtained in this way as well as their uses in particular in floating pharmaceutical compositions.

No. of Pages : 58 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.847/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :24/01/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : FIXING BELT AND FIXING DEVICE

(51) International classification :G03G 15/20

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/JP2009/063512

Filing Date :29/07/2009

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)CANON KABUSHIKI KAISHA**

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(72)Name of Inventor :

**1)KISHINO Kazuo**

**2)MATSUNAKA Katsuhisa**

**3)SUGIMOTO Hiroto**

**4)MARUTA Hidekazu**

**5)KUME Nobuyuki**

**6)KAJI Keigo**

**7)NAKANO Ko**

(57) Abstract :

To obtain a fixing belt including a polyimide resin layer having both excellent flexibility and excellent abrasion resistance. A fixing belt includes a cylindrical base composed of a metal and a polyimide resin layer formed on the inner peripheral surface of the cylindrical base in which the polyimide resin layer has an imidization rate of 70% to 93% and comprises a polyimide resin containing a specific constitutional unit.

No. of Pages : 55 No. of Claims : 2



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8471/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :17/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : ACHIEVING ABOUT AN EQUAL NUMBER OF ACTIVE LINKS ACROSS CHASSIS IN A VIRTUAL PORT-CHANNEL ENVIRONMENT

(51) International classification	:H04L12/28
(31) Priority Document No	:12/467,675
(32) Priority Date	:18/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US10/035287
Filing Date	:18/05/2010
(87) International Publication No	:WO 2010/135345
	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)CISCO TECHNOLOGY, INC**  
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(72)**Name of Inventor :**  
**1)RAMAN, PIRABHU**  
**2)SANE, SANJAY**  
**3)GHOSH, KALYAN**

(57) Abstract :

Two or more network devices (310, 320) can automatically coordinate to aggregate ports into virtual port channels (300). Ports of the port channel can be automatically assigned priorities to achieve about an equal distribution of active links across the two or more network devices (310, 320).

No. of Pages : 37 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8472/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :17/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : ANTISTALING PROCESS FOR FLAT BREAD

(51) International classification	:A21D 8/04
(31) Priority Document No	:61/172,515
(32) Priority Date	:24/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/032233
Filing Date	:23/04/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
**1)NOVOZYMES NORTH AMERICA INC.**  
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Franklinton North Carolina 27525 U.S.A.  
(72)**Name of Inventor :**  
**1)FORMAN Todd Michael**  
**2)EVANSON Daniel N.**

(57) Abstract :

The present invention relates to a process for retarding the staling of flat breads as well as flat breads obtainable by the method of the invention.

No. of Pages : 38 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8473/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :17/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : POLYPEPTIDES HAVING XYLANASE ACTIVITY AND POLYNUCLEOTIDES ENCODING SAME

(51) International classification :C12N 15/82

(31) Priority Document No :61/174,237

(32) Priority Date :30/04/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/032034

Filing Date :22/04/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)BROWN Kimberly**

**2)MARANTA Michelle**

**3)ABBATE Eric**

(57) Abstract :

The present invention relates to isolated polypeptides having xylanase activity and isolated polynucleotides encoding the polypeptides. The invention also relates to nucleic acid constructs vectors and host cells comprising the polynucleotides as well as methods of producing and using the polypeptides.

No. of Pages : 150 No. of Claims : 20

(54) Title of the invention : COMPOSITIONS FOR REDUCING GASTRO-INTESTINAL METHANOGENESIS IN RUMINANTS•

(51) International classification :A23K 1/18  
 (31) Priority document No :09166276.7  
 (32) Priority Date :23/07/2009  
 (33) Name of priority country :EPO  
 (86) International Application No :PCT/NL2010/050473  
 Filing Date :23/07/2010  
 (87) International Publication No : NA  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

## (71)Name of Applicant :

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## (57) Abstract :

The present invention concerns the reduction of gastro-intestinal methanogenesis in ruminants with the aid of agents that compete for the hydrogen atoms required by methanogens during normal fermentation of ingested feed. The invention in one aspect resides in the findings that both nitrate reductive pathways as well as sulphate reductive pathways outcompete gastro-intestinal methanogenesis in ruminants and, that the methanogenesis reducing effects of nitrate and sulphate are completely additive. At the same time the combined administration of nitrate and sulphate was found to be fully effective to avoid or mitigate the potential problems of nitrite intoxication normally encountered when using nitrate alone, which effect is further enhanced, where necessary, by the addition of a nitrite reducing probiotic microorganism. Hence, products are provided comprising high amounts of a combination of a nitrate compound and a sulphate compound and optionally a nitrite reducing probiotic microorganism, as well as methods of reducing gastro-intestinal methanogenesis in ruminants using such compositions.

No. of Pages : 58 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8499/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :17/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : LAMINATED GLAZING

(51) International classification :B32B17/10  
(31) Priority Document No :0908577.0  
(32) Priority Date :19/05/2009  
(33) Name of priority country :U.K.  
(86) International Application No :PCT/GB2010/050808  
Filing Date :18/05/2010  
(87) International Publication No :WO 2010/133872 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)HOLLAND, JOHN, RICHARD**  
**2)HOLDEN, DAVID, WILLIAM**  
**3)HOLSCHER, HEINZ, WILHELM**

(57) Abstract :

A fire-resistant laminated glazing comprising at least two glazing panes and at least one transparent intumescent interlayer between the glazing panes, said glazing panes being separated by a spacer extending at least partially around their peripheries so as to define a cavity to contain said interlayer, wherein the spacer comprises a shim for controlling the separation between the glazing panes to a predetermined distance and a rubber portion at least partially enclosing the shim, and wherein the interlayer comprises an alkali metal silicate.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.850/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :25/01/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : A METHOD AND SYSTEM FOR DETECTION AND ENHANCEMENT OF VIDEO IMAGES•

(51) International classification :G06T  
(31) Priority Document No :61/227,422  
( 2) Priority Date :21/07/2009  
(33) Name of priority country :U.S.A.  
(8 ) International Application No :PCT/US2010/042790  
Filing Date :21/07/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)Name of Inventor :  
**1)LEE Louie**  
**2)LACHINE Vladimir**  
**3)SMITH Greg**

(57) Abstract :

A method and a system for adaptive image enhancement are provided for measuring the image quality of a pixel region in a frame, performing an image classification based on the image quality measurement, and enhancing image quality by applying operations according to image classification of the region. Also provided is a method as above including the steps of dividing a frame into P pixel regions; and for each one of the pixel regions measuring the image quality; assigning an image quality class; and enhancing the image. Also provided is a system for adaptive image enhancement including a circuit to measure the image quality of a pixel region in a frame in a source video image; a circuit to perform an image classification of the region based on the image quality measurement; and a circuit to enhance the image quality of the region in the source video image a by applying operations based on the image classification of the frame.

No. of Pages : 39 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8500/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :17/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD BASE STATION AND USER EQUIPMENT FOR TRANSMITTING AND ACQUIRING CONTROL INFORMATION IN BROADCAST MULTICAST SYSTEM

(51) International classification :H04W 72/04  
(31) Priority Document No :200910082928.8  
(32) Priority Date :22/04/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/071811  
Filing Date :16/04/2010  
(87) International Publication No :WO 2010/121524 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)CHINA ACADEMY OF TELECOMMUNICATIONS TECHNOLOGY**  
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(72)Name of Inventor :  
**1)LIANG, JING**  
**2)YANG, XIAODONG**

(57) Abstract :

The present invention provides a method for transmitting control information in a broadcast multicast system, the method includes: broadcasting identifier information of N Multicast Broadcast Single Frequency Network (MBSFN) areas to which the current cell belongs through a system message wherein N is an integer with  $N > 1$ ; transmitting indication information of control information of the N MBSFN areas through a system message or a Radio Resource Control (RRC) message; and transmitting the control information of the N MBSFN areas respectively through a Multicast Control Channel (MCCH) of the current cell according to the indication information. The present invention can guarantee normal working of a UE when the UE is located in an area overlapped by multiple MBSFN areas.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8502/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :17/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : MANAGING POTENTIALLY PHISHING MESSAGES IN A NON-WEB MAIL CLIENT CONTEXT

(51) International classification :G06Q50/00  
(31) Priority Document No :12/472,094  
(32) Priority Date :26/05/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/035202  
Filing Date :18/05/2010  
(87) International Publication No :WO 2010/138339 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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(72)Name of Inventor :  
**1)VAITHILINGAM, GANDHI**  
**2)HO, CHENG**  
**3)PITIGOL-ARON, GRUIA**  
**4)VINCENT, BEN**

(57) Abstract :

Computer-readable media and computerized methods for governing treatment of digital communications (e.g., emails and instant messages) upon identifying the communications as potentially phishing emails are provided. A service provider is employed to control behavior of an account that is assigned to an intended recipient of the communications. Controlling the behavior of the account is described in the context of a non-web mail server that renders a UI display, which is not dynamically configurable by the service provider. In one solution, controlling behavior alerts a user to the presence of communications identified as potentially phishing by aggregating these communications in a separate folder. In another solution, controlling behavior facilitates protecting the user by replacing the content of the potentially phishing communications with a warning message. This warning message optionally includes a URL link to a web browser where the user can view the original content of the potentially phishing communications.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8504/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :17/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : CONTROLLING MEDIA AND INFORMING CONTROLLER STATUS IN COLLABORATIVE SESSIONS

(51) International classification	:H04L
(31) Priority Document No	:61/178,476
(32) Priority Date	:14/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/034989
Filing Date	:14/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

**1)DOKEN Serhad**

**2)JIN Haipeng**

**3)MAHENDRAN Arungundram Chandrasekaran**

(57) Abstract :

A communication system extends IETF Session Initiation Protocol (SIP) signaling used by IMS architecture. As a basic use case initially a first user equipment (UE1) (controller) is in a media session (e.g. audio video and message session) with a remote UE. To transfer provider of one media component to a controllee UE the controller UE1 sends a REFER message with a relevant body to trigger the media session operations to a Service Centralization and Continuity Application Server (SCC AS). The SCC AS is able to interpret the contents of the REFER message to perform the media session manipulation on one or multiple UEs (originating UE itself or other UEs). The innovation provides for a REFER message that convey what needs to be done in a separate SIP header carrying target dialog and media line number(s) in a SDP body that REFER carries or XML body that will be in REFER.

No. of Pages : 55 No. of Claims : 70

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8505/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :17/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : LIGHT SENSING DEVICE HAVING A COLOR SENSOR AND A CLEAR SENSOR FOR INFRARED REJECTION

(51) International classification	:G01B	(71)Name of Applicant :
(31) Priority Document No	:12/435,909	<b>1)Apple Inc.</b>
(32) Priority Date	:05/05/2009	Address of Applicant :1 Infinite Loop Cupertino California
(33) Name of priority country	:U.S.A.	95014 U.S.A.
(86) International Application No	:PCT/US2010/032849	(72)Name of Inventor :
Filing Date	:28/04/2010	<b>1)TAM Ching Yu John</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A light sensing device has a first filter to block visible light in a light path. The light sensing device also has a first color sensor and a clear sensor to detect light in the light path after the first filter. A light intensity calculator computes a measure of the intensity of visible light in the light path based on a difference between (a) an output signal of the first color sensor and (b) an output signal of the clear sensor. Other embodiments are also described and claimed.

No. of Pages : 27 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8506/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :17/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : MLOCK DEVICE AND ASSOCIATED METHODS•

(51) International classification	:G08B
(31) Priority Document No	:61/176,862
(32) Priority Date	:08/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/034014
Filing Date	:07/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)TUBB Earl Fred**

**2)QUICK Diane**

**3)BRINKERHOFF Mark**

**4)GERATY Thomas**

(57) Abstract :

A security device is disclosed to include a processor defined to control operation of the security device. The security device also includes a radio defined in electrical communication with the processor. The security device also includes a location determination device defined in electrical communication with the processor. The processor radio and location determination device are defined to operate collaboratively to provide a wireless tracking and communication system. The security device also includes a shackle and a locking mechanism. The locking mechanism is defined in electrical communication with the processor. The processor is defined to operate the locking mechanism to control locking and unlocking of the shackle based on information obtained through the wireless tracking and communication system.

No. of Pages : 40 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8507/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :17/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : FABRICATION METHOD OF A POWER MODULE CIRCUIT BOARD&NBSP; POWER MODULE&NBSP; AND MAGNETIC CORE THEREOF

(51) International classification	:H05K
(31) Priority Document No	:201010521469.1
(32) Priority Date	:27/10/2010
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2011/074905
Filing Date	:30/05/2011
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**3)CHEN Jian**

(57) Abstract :

A manufacturing method for power supply module circuit board a power supply module and a magnetic core thereof are provided. The method comprises a portion of the magnetic core of the power supply module is embedded within a circuit board thereby forming the magnetic core of the power supply module and the circuit board together. And an adhesion surface is formed on a surface of the circuit board. Another portion of the magnetic core of the power supply module is exposed outside of the circuit board. The two portions of the magnetic core of the power supply module are bonded by using glue thereby achieving electrical connection. The circuit board and the magnetic core thereof are essential components of the power supply module. ...

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8484/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :17/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHODS, APPARATUSES AND COMPUTER PROGRAM PRODUCTS FOR DISTRIBUTED SCHEDULING TO FACILITATE INTERFERENCE MANAGEMENT

(51) International classification :H04W72/12  
(31) Priority Document No :61/180,726  
(32) Priority Date :22/05/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/035873  
Filing Date :21/05/2010  
(87) International Publication No :WO 2010/135718 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)JABER M. BORRAN**

(57) Abstract :

Systems, methods, apparatus and computer program products for facilitating interference management on a downlink of a wireless communication system are provided. In some embodiments, the method can include determining, by a base station within a cell, a benefit to out-of-cell user equipment when a base station transmits with certain transmission attributes, wherein the transmission attributes are at least one of a transmit power, beamforming vector or multiple input multiple output transmission; determining, by the base station, a benefit to a user equipment within the cell when the base station transmits with certain transmission attributes; and determining, by the base station, the total benefit to the out-of-cell user equipment and to the user equipment within the cell.

No. of Pages : 172 No. of Claims : 62

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8510/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :18/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : AQUEOUS POLYMER DISPERSIONS•

51) International classification	:C08F
(31) Priority Document No	:09160369.6
(32) Priority Date	:15/05/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/056539
Filing Date	:12/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :  
**1)BRGE Christian M.**  
**2)PETER Andr**  
**3)WOMBACHER Franz**

(57) Abstract :

The present invention relates to aqueous polymer dispersions which in addition to water and a dispersed copolymer composed of at least two monomers selected from the group consisting of ethylene propylene butylene isoprene butadiene styrene acrylonitrile acrylic acid methacrylic acid acrylic acid alkyl ester methacrylic acid alkyl ester vinyl ester and vinyl chloride also comprises a comb polymer having side chains that are bound to the main chain by ester or ether groups. Said aqueous polymer dispersions are particularly suited for use together with hydraulic and latently hydraulic binding agents. The aqueous polymer dispersions are extremely efficient and result in a strong increase in the mechanical values and a relevant decrease in the porosity and the water absorption property.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8511/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :18/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : EFFICIENT LIGHT HARVESTING•

(51) International classification	:C12N
(31) Priority Document No	:61/175,444
(32) Priority Date	:04/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/001315
Filing Date	:04/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**1)BAILEY Shaun**  
**2)TAM Yuen Yee**  
**3)VICK Bertrand**

(57) Abstract :

Various aspects provide for genetically modifying photosynthetic cells. In some cases an integrated light harvesting efficiency of photosynthetic cells may be increased by reducing the amount of incident light that is absorbed but not used for photosynthesis. In some cases an increased transparency may be associated with an increased light harvesting efficiency when absorption due to non-photosynthetic processes is reduced. A reduced capacity of various light-harvesting antenna apparatus may increase transparency. In some cases a capacity of an organism to adapt to varying light levels may be reduced and in certain cases a modified organism may have a reduced ability to acclimate to a low light irradiance.

No. of Pages : 54 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8512/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :18/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : A METHOD FOR PRODUCING A CROSS-COUPLING PRODUCT OF A BENZENOID DIAZONIUM SALT•

(51) International classification	:C07C
(31) Priority Document No	:09158489.6
(32) Priority Date	:22/04/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/055347
Filing Date	:22/04/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**1)Nicolas BOEGE**

**2)Andreas KREIPL**

**3)Bernd SCHMIDT**

**4)Frank HOELTER**

**5)Ren BERGER**

(57) Abstract :

The present disclosure relates to a method for producing a cross-coupling product of a benzenoid diazonium salt wherein a benzenoid amide is provided and is hydrolytically cleaved to an amine or the corresponding amine is already present as such the amine is diazotized with a nitrite and the diazonium salt obtained is reacted with a coupling partner in the presence of a catalyst to a cross-coupling product.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8514/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :18/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : IMPROVEMENTS IN OR RELATING TO SCANNING OPHTHALMOSCOPES

(51) International classification :A61B  
(31) Priority Document No :0907557.3  
(32) Priority Date :01/05/2009  
(33) Name of priority country :U.K.  
(86) International Application No :PCT/GB2010/050713  
Filing Date :30/04/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**1)GRAY Daniel Curtis**  
**2)WALL Robert**  
**3)ROBERTSON Craig**  
**4)CAIRNS David**

(57) Abstract :

The invention provides a scanning ophthalmoscope (10) for scanning the retina of an eye and method of operating the same. The scanning ophthalmoscope comprises a source of collimated light (12), a first scanning element (14) and a second scanning element (16). The source of collimated light (12) and the first and second scanning elements (14, 16) combine to provide a two-dimensional collimated light scan from an apparent point source. The scanning ophthalmoscope (10) further comprises a scan transfer device (20), wherein the scan transfer device (20) is a reflective element and has two foci and the apparent point source is provided at a first focus of the scan transfer device (20) and an eye (24) is accommodated at a second focus of the scan transfer device (20), and wherein the scan transfer device (20) transfers the twodimensional collimated light scan from the apparent point source into the eye (24). The first and second scanning elements (14, 16) have operating parameters which are selected to control the direction of the two-dimensional collimated light scan from the apparent point source and/or adjust the dimensions of the two-dimensional collimated light scan from the apparent point source.

No. of Pages : 52 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8508/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :17/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEM AND METHOD FOR REDUCING POWER CONSUMPTION OF AN OSCILLATOR

(51) International classification :H03B  
(31) Priority Document No :12/467,894  
(32) Priority Date :18/05/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/033681  
Filing Date :05/05/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application :NA  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)**Name of Inventor :**  
**1)GARCIA Jorge A.**  
**2)MOYER Todd**

(57) Abstract :

An apparatus for generating an oscillating signal including a negative-resistance circuit a crystal and a component to modify a series resonance of the crystal to decrease power consumption of the negative-resistance circuit in generating the oscillating signal. The component may include a positive-reactance circuit one or more inductive elements or pair of inductive elements coupled to the crystal. The apparatus may further include a frequency-tuning component for adjusting a frequency of the oscillating signal such as a variable capacitor coupled to the crystal. The negative-resistance circuit may include a digital inverter circuit an inverting analog amplifier or a self-regulating circuit. The apparatus may further include a quiescent current source to supply a steady-state current to the negative-resistance circuit and a start up current source to supply a boost current to the negative-resistance circuit only during start up to expedite the oscillating signal in reaching a defined steady-state condition.

No. of Pages : 33 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8509/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :17/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : DIGITAL PHASE LOCKED LOOP WITH PARTS OPERATING AT DIFFERENT SAMPLE RATES

(51) International classification :H03L  
(31) Priority Document No :12/478,506  
(32) Priority Date :04/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/037530  
Filing Date :04/06/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application :NA  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)Name of Inventor :  
**1)BALLANTYNE Gary John**  
**2)GENG Jifeng**  
**3)FILIPOVIC Daniel F.**

(57) Abstract :

A Digital Phase-Locked Loop (DPLL) involves a Time-to-Digital Converter (TDC) that receives a DCO output signal and a reference clock and outputs a first stream of digital values. Quantization noise is reduced by clocking the TDC at a high rate. Downsampling circuitry converts the first stream into a second stream. The second stream is supplied to a phase detecting summer of the DPLL such that a control portion of the DPLL can switch at a lower rate to reduce power consumption. The DPLL is therefore referred to as a multi-rate DPLL. A third stream of digital tuning words output by the control portion is upsampled before being supplied to the DCO so that the DCO can be clocked at the higher rate thereby reducing digital images. In a receiver application no upsampling is performed and the DCO is clocked at the lower rate thereby further reducing power consumption.

No. of Pages : 29 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8521/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :18/11/2011

(43) Publication Date : 17/05/2013

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

(51) International classification	:F03D	(71)Name of Applicant :
(31) Priority Document No	:PA 2009 70008	<b>1)VESTAS WIND SYSTEMS A/S</b>
(32) Priority Date	:19/05/2009	Address of Applicant :HEDEAGER 44, 8200, AARHUS N
(33) Name of priority country	:Denmark	Denmark
(86) International Application No	:PCT/EP2010/056925	(72)Name of Inventor :
Filing Date	:19/05/2010	<b>1)GODSK, KRISTIAN, BALSCHMIDT</b>
(87) International Publication No	:WO 2010/133649	
	A2	
(61) Patent of Addition to Application		
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A wind turbine with a rotor mounted on a hub section, wherein the rotor comprises a plurality of blades, at least one of which comprises a main blade section, which is optionally pitchable, and an auxiliary blade section mounted to the hub section. The auxiliary blade section is arranged in the area of a leading edge or of a trailing edge of the main blade, so that each blade is thereby provided with a leading edge slat or a trailing edge flap formed by the auxiliary blade section to increase the planform area of the blade and increase aerodynamic lift. A control method for a wind turbine controls a main blade section and an auxiliary blade section to provide different angles of attack to reduce undesired loads at sudden extreme changes of wind speed, e.g. during idling of the wind turbine. In a separate aspect, the invention provides a wind turbine having a blade with a non-pitchable leading edge slat, which extends at most 40% of the radius of the rotor in a longitudinal direction of the blade.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8548/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :18/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : MAINTAINING CHARGING STATE DURING FINAL UNIT REDIRECT IN CREDIT-CONTROL SYSTEMS•

(51) International classification	:H04L
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/IB2009/052293
Filing Date	:30/05/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**  
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(57) Abstract :

A method is implemented in a credit control server (CCS). The method includes receiving at the CCS from a credit control client (CCC) a message associated with a multiple services credit control (MSCC) session where the message includes a request for service units associated with a service account. The method further includes determining at the CCS that insufficient service units are available in the service account and notifying the CCC that service units need to be added to the service account. The method also includes maintaining at the CCS MSCC session related parameters while the CCC adds service units to the service account.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8549/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :18/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : PRESSURE MONITORING WITHIN A FLUID CASSETTE•

(51) International classification	:A61M
(31) Priority Document No	:12/465,327
(32) Priority Date	:13/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/034374
Filing Date	:11/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**2)MURPHY Matthew J.**  
**3)RAGUSA Michael**

(57) Abstract :

A fluid cassette (100) for a blood processing system includes a cassette housing and a rigid structure (150). The cassette housing defines the structure of the cassette and has a fluid path at least partially extending through it. The fluid path (210) is configured to allow a fluid to pass through the housing. The rigid structure defines a cavity (220) that is in fluid communication with the fluid path. The rigid structure also has an interface (240) for interfacing and/or connecting with a pressure monitoring device. The interface allows the pressure monitoring device to measure the pressure within the fluid path. The cavity has a volume of air located between the fluid path and the interface.

No. of Pages : 26 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8550/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :18/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : TRANSMISSION

(51) International classification	:F16H 3/72
(31) Priority Document No	:2002905
(32) Priority Date	:19/05/2009
(33) Name of priority country	:Netherlands
(86) International Application No	:PCT/NL2010/050300
Filing Date	:19/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**1)PIETER ERICH VAN BEEK**

(57) Abstract :

A transmission comprising a rotary shaft for coupling with first drive element provided with wheel supported eccentrically and freely rotatably on the shaft for coupling with second drive element further comprising a ring arranged concentrically and rotatably with respect to the rotary shaft. The ring is provided with first tread cooperating with the tread of the wheel and second tread cooperating with the tread of an auxiliary drive element such that rotation of the rotary shaft results in a corresponding circular revolving movement of the wheel about the centerline of the rotary shaft while rotation of the wheel about its own axis depends on the rotation of the rotary shaft and on the rotation of the ring about the centerline of the rotary shaft. The wheel further cooperates with a tread of an auxiliary ring arranged concentrically with the rotary shaft in a different transmission ratio as with the ring

No. of Pages : 61 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8551/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :18/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : MAINTAINING CONTROLLEE INFORMATION IN COLLABORATIVE SESSIONS

(51) International classification :H04L 29/06

(31) Priority Document No :61/178,476

(32) Priority Date :14/05/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/034983

Filing Date :14/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**3)MAHENDRAN Arungundram Chandrasekaran**

(57) Abstract :

A communication system extends IETF Session Initiation Protocol (SIP) signaling used by IMS architecture. As a basic use case initially a first user equipment (UE1) (controller) is in a media session (e.g. audio video and message session) with a remote UE. To transfer provider of one media component to a controllee UE the controller UE1 sends a REFER message with a relevant body to trigger the media session operations to a Service Centralization and Continuity Application Server (SCC AS). The SCC AS is able to interpret the contents of the REFER message to perform the media session manipulation on one or multiple UEs (originating UE itself or other UEs).....

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8552/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :18/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR JOINT PROCESSING IN A WIRELESS COMMUNICATION

(51) International classification :H04W 56/00

(31) Priority Document No :61/180,738

(32) Priority Date :22/05/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/035865

Filing Date :21/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application :NA

Number :NA

Filing Date

:NA

(62) Divisional to Application Number :NA

Filing Date

:NA

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**2)GOROKHOV Alexei Y.**

(57) Abstract :

A method an apparatus and a computer program product for wireless communication are provided in which signals are received from a plurality of base stations and a measurement is made of synchronization parameters between the plurality of base stations at a user equipment. A signal is transmitted from the user equipment to at least one of the plurality of base stations with information about the synchronization parameters. The base station determines an offset in the received synchronizations and adjusts a transmission waveform based on the determined offset.

No. of Pages : 51 No. of Claims : 56

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8553/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :18/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEM AND METHOD FOR SIMULTANEOUS OPERATION OF MULTIPLE MODEMS USING A SINGLE TRANSCEIVER

(51) International classification :H04B 1/10  
(31) Priority Document No :61/178,332  
(32) Priority Date :14/05/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/034951  
Filing Date :14/05/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**3)RICK Roland R.**

**4)JOSHI Abhay A.**

**5)MAHAJAN Amit**

**6)LIN Yu-Chuan**

**7)CICCARELLI Steve C.**

(57) Abstract :

Systems and methods for simultaneously communicating over multiple air interfaces using a single transceiver are described herein. An input is received at a transceiver. The input has a first signal encoded using a first radio technology and a second signal encoded using a second radio technology. The input is converted from an analog domain to a digital domain. The input is separated into the first signal and the second signal in the digital domain.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8515/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :18/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : SOLAR CELL MODULE

(51) International classification	:H01L
(31) Priority Document No	:2009-103160
(32) Priority Date	:21/04/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/055548
Filing Date	:29/03/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**  
**1)Tasuku ISHIGURO**  
**2)Eiji MARUYAMA**

(57) Abstract :

Provided is a solar cell module (100) wherein an adhesive (30) has a first adhesive portion (30A) which is formed from the light receiving surface of a solar cell (10) to the side surface (20S) of a wiring material (20).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8516/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :18/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : POWER DEVICE WITH LIGHTED OUTLETS

(51) International classification	:G09F	(71)Name of Applicant :
(31) Priority Document No	:12/434,156	<b>1)AMERICAN POWER CONVERSION CORPORATION</b>
(32) Priority Date	:01/05/2009	Address of Applicant :132 Fairgrounds Road West Kingston
(33) Name of priority country	:U.S.A.	RI 02892 U.S.A.
(86) International Application No	:PCT/US2010/033138	(72)Name of Inventor :
Filing Date	:30/04/2010	<b>1)KONOPELKO Vladimir Vladimirovich</b>
(87) International Publication No	: NA	<b>2)DONOVAN Patrick Aaron</b>
(61) Patent of Addition to Application	:NA	<b>3)LIU Meng-Chang</b>
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A power device (100) having illuminated power outlets is disclosed. The power device includes a housing (150a 150b) a power input interface (110) to the housing and a plurality of power outlets (125 a-d) on the housing for distributing power from the input. Within the housing of the power device a printed circuit board (230) has at least one LED (235 a-d) positioned adjacent to at least one of the plurality of outlets to illuminate the openings of the outlets from within the interior housing.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8562/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :21/11/2011

(43) Publication Date : 17/05/2013

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

(51) International classification	:H04B7/06
(31) Priority Document No	:2009-105379
(32) Priority Date	:23/04/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/056688
Filing Date	:14/04/2010
(87) International Publication No	:WO 2010/122934
	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)NAKAMURA, OSAMU**

**4)GOTO, JUNGO**

**5)TAKAHASHI, HIROKI**

(57) Abstract :

To reduce power consumption in a mobile station apparatus in uplink, while making the system more efficient, the mobile station apparatus has a plurality of transmission antennas 7, performs wireless communications with a base station apparatus, and is provided with a PDCCH reception part 2 that receives designation information for designating the number of transmission antennas to use from the base station apparatus, a PH calculation part 5 that calculates PH (Power Headroom) indicative of a difference between maximum transmission power and transmission power required to achieve desired reception power in the base station apparatus, and a PUSCH transmission part 6 that transmits a signal including the PH to the base station apparatus using the number of transmission antennas designated by the designation information.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8568/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :21/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR TRANSMITTING SOUNDING REFERENCE SIGNAL IN RADIO COMMUNICATION SYSTEM

(51) International classification	:H04W72/12
(31) Priority Document No	:61/178,818
(32) Priority Date	:15/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/KR2010/003104
Filing Date	:17/05/2010
(87) International Publication No	:WO 2010/131934 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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(72)**Name of Inventor :**  
**1)NOH, MIN SEOK**  
**2)CHUNG, JAE HOON**  
**3)KWON, YEONG HYEON**

(57) Abstract :

Disclosed is a method for transmitting a sounding reference signal from to a base station in a radio communication system. More specifically, the method comprises the steps of: transmitting a periodic sounding reference signal to a base station; receiving a transmission instruction for an additional sounding reference signal from the base station; multiplexing said periodic sounding reference signal and said additional sounding reference signal along a frequency axis or a time axis; and transmit talting said multiplexed periodic sounding reference signal and said additional sounding reference signal to said base station. Said multiplexing step is characterized by multi plexing said periodic sounding reference signal and said additional sounding reference signal along a frequency axis or a time axis.

No. of Pages : 47 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8570/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :21/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD AND SYSTEM FOR AN INSTANT MESSAGING GROUP DISPLAYING DYNAMIC INFORMATION OF COMMUNITY

(51) International classification	:H04L12/58
(31) Priority Document No	:200910082651.9
(32) Priority Date	:23/04/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/071049
Filing Date	:15/03/2010
(87) International Publication No	:WO 2010/121509 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)ZENG, XIAOJUN**  
**2)ZHU, XI**  
**3)CHEN, SHUGEN**

(57) Abstract :

Embodiments of the present invention provide a method and a system for an instant messaging group displaying dynamic information of a community. The method includes: a group server of the instant messaging group receives a binding request from a community relationship entity, and sends the binding request to a primary client of the instant messaging group; the primary client authenticates the binding request, and binds the instant messaging group and the community relationship entity after approval of the binding request; and a client of the instant messaging group obtains and displays the dynamic information of members of the community relationship entity from a community server corresponding to the community relationship entity. The present invention can facilitate users to know the dynamics of others of the instant messaging group and to show their own contents and activities in the instant messaging group, whereby stimulating group members to enter the community to produce more content. Thus the activity of the community is greatly enhanced and contents and relationships of members of the instant messaging group can be easily precipitated.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8554/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :19/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : ROTARY CASSETTE SYSTEM FOR DRY POWDER INHALER

(51) International classification :A61M 15/00

(31) Priority Document No :61/180,396

(32) Priority Date :21/05/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/035817

Filing Date :21/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**1)MOSIER Kent D.**

**2)BRANDT-MADSEN Brian**

**3)LASSEN Steen G.**

**4)ANDERSON Morten E.**

**5)OLESEN Jan**

(57) Abstract :

The present disclosure provides an inhaler having a vibration element for aerosolizing medicament contained in a blister pack wherein a plurality of individual blister packs are arranged in a rotary cassette that fits within a housing and wherein the individual blister packs are dragged up into a clamping position between the vibration element and a piercing element. The motion of the blister pack is controlled by a rotary disk within the housing which further coordinates the movement of the piercing and vibrating elements for the piercing and deaggregation respectively of the individual blister packs.

No. of Pages : 32 No. of Claims : 31



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8555/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :21/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR SHARING CONTENT TO ONE OR MORE USERS

(51) International classification :G06Q 10/00

(31) Priority Document No :12/431,740

(32) Priority Date :28/04/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/IB2010/000964

Filing Date :28/04/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**1)Marko Juhani Anderson**

**2)Marco Pagila**

(57) Abstract :

In accordance with an example embodiment of the present invention, an apparatus comprises at least one processor and at least one memory. The at least one memory includes computer program code. Further, the at least one memory and the computer program code configured to, with the at least one processor, cause the apparatus to perform at least the following receive content related to a first contact based at least in part on a configuration of a second contact. Further, the apparatus comprises a user interface configured to display the content.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8556/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :21/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : A WEARABLE RFID SYSTEM

(51) International classification	:G06K 7/00
(31) Priority Document No	:61/171,516
(32) Priority Date	:22/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/032078
Filing Date	:22/04/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)DILEK DAGDELEN UYSAL**

**2)AHMET ERDEM ALTUNBAS**

**3)JEFFREY LANE WELLS**

(57) Abstract :

Apparatus and methods are provided for automatically interrogating a tagged object using radio frequency identification (RFID) when the object is moved. In one embodiment a worker is outfitted with a wearable RFID system including an RF antenna an RFID reader and a holder to hold the antenna and reader during operation. The system is worn by the worker while the worker moves objects from one place to another. When the worker moves an object with an attached RFID tag the antenna automatically begins scanning for signals from the object<sup>TM</sup>s RFID tag. When a RF signal is received by the antenna the RFID reader collects the signal and transmits it to a host system which processes the signal to obtain information related to the object to which the RFID tag is attached.

No. of Pages : 68 No. of Claims : 61

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8571/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :21/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : ARTIFICIAL INTELLIGENCE-ASSISTED MEDICAL REFERENCE SYSTEM AND METHOD

(51) International classification :G06Q10/00

(31) Priority Document No :61/171,796

(32) Priority Date :22/04/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/031931

Filing Date :21/04/2010

(87) International Publication No :WO 2010/124016 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)ARMSTRONG, JOHN M.**

**2)LEIBNITZ, RAMONA R.**

**3)DOBRYNIN, VLADIMIR**

**4)PATTERSON, DAVID**

(57) Abstract :

Computer-implemented methods, systems, and computer-readable storage mediums are provided for use with a clinical decision support system for identifying and providing information regarding associations between patient attributes and one or more Adverse Events (AEs). In one example, a process includes processing database information comprising AEs and one or more patient attributes for associations between AEs and patient attributes and identifying at least one association between one or more AEs and one or more patient attributes. The association(s) may be discovered through an association rule discovery process to determine one or more association rules, where each association rule satisfies a confidence, support, and/or other threshold. The exemplary process further provides information or alerts to a user based on the identified or discovered association(s). The information may further be used to weight and reprioritize search results for AEs based on drug (prescription or otherwise) safety or efficacy information.

No. of Pages : 41 No. of Claims : 32

(54) Title of the invention : METHOD AND APPARATUS FOR MODIFYING INTERNET CONTENT THROUGH REDIRECTION OF EMBEDDED OBJECTS

(51) International classification :G06F 15/173  
 (31) Priority Document No :61/182,118  
 (32) Priority Date :29/05/2009  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/US2010/020670  
     Filing Date :11/01/2010  
 (87) International Publication No : NA  
 (61) Patent of Addition to Application Number :NA  
     Filing Date :NA  
 (62) Divisional to Application Number :NA  
     Filing Date :NA

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## (57) Abstract :

Disclosed is a method, and related apparatus, for directing network service provider selected embedded objects to an internet user client. In the method, a network service provider maintains a database of internet user clients that includes a particular service-type value for each internet user client. The network service provider analyzes an HTTP transaction involving the internet user client. The network service provider responds to an HTTP transaction requesting an embedded web object by forwarding to the internet user client, an alternative embedded web object selected in accordance with the user client<sup>TM</sup>s particular service-type value, wherein the alternative embedded web object arrives to the internet user client before a response to the originally requested embedded web object. The network service provider causes the originally requested embedded web object to be forwarded to the internet user client after the alternative embedded web object is forwarded to the internet user client.

No. of Pages : 42 No. of Claims : 19

(54) Title of the invention : SECURITY DOCUMENT WITH ELECTROACTIVE POLYMER POWER SOURCE AND NANO-OPTICAL DISPLAY•

(51) International classification :G06K 19/07  
 (31) Priority Document No :12/386,789  
 (32) Priority Date :22/04/2009  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/CA2010/000577  
 Filing Date :22/04/2010  
 (87) International Publication No : NA  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

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(72)Name of Inventor :

**1)KAMINSKA Bozena**

**2)LANDROCK Clinton K.**

(57) Abstract :

A security document is disclosed which includes an electrical circuit embedded in a document substrate where the electrical circuit includes a power source with at least one electroactive polymer power generator and an optical display including at least one electroluminescent display element and at least one nanohole array which forms a layer of the electroluminescent display element. Security features comprising nanohole arrays are also provided. A method of authenticating a security document is disclosed including illuminating an encoded nanohole array in the security document with a focused light beam or laser light source emitting at least one defined wavelength of incident light detecting a transmitted portion of the incident light transmitted through the nanohole array with an optoelectronic sensor analyzing at least one wavelength of the transmitted portion of light to produce a detected signal and comparing the detected signal with an authentication signal to authenticate the security document.

No. of Pages : 43 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8579/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :21/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : IONIC POLYMER METAL COMPOSITE CAPACITOR•

(51) International classification	:H01G 4/002
(31) Priority Document No	:12/386,789
(32) Priority Date	:22/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2010/000578
Filing Date	:22/04/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**2)LANDROCK Clinton K.**

(57) Abstract :

An ionic polymer metal composite (IPMC) capacitor is disclosed which includes a thin single layer non-hydrated ionic polymer substrate with conductive film electrodes applied to at least a portion of each side of the non-hydrated ionic polymer substrate. The disclosed capacitor is suited for providing thin capacitance structures made to substantially any desired dimensions and shape and may be particularly suited for short term power storage in low power electronics sensors micro-electronics MEMs and high temperature applications. A method of manufacturing an IPMC capacitor is also disclosed including providing a thin single layer non-hydrated ionic polymer substrate applying a conductive film electrode to both sides of the substrate and attaching electrical connections to the electrodes. The disclosed method of manufacture may optionally also include heat curing the capacitor and coating the capacitor with at least one moisture-resistant protective coating layer.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8583/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :21/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : NEW PORTABLE AEROSOL FIRE-FIGHTING DEVICE•

(51) International classification :A62C 5/00  
(31) Priority Document No :201020102303.1  
(32) Priority Date :26/01/2010  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/074961  
Filing Date : 3/0 /2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application :NA  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**2)ZHANG Kun**  
**3)MA Chunjie**  
**4)ZHAI Tengfei**  
**5)DENG Zhenping**

(57) Abstract :

The present invention relates to a novel hand-held aerosol fire suppression apparatus comprising thermal insulating layer (3) inner cylinder (4) aerosol generating agent (5) heat insulating material (6) jet nozzle (9) tapered jet orifice (10) enclosure (11) ignition head (12) and piezoelectric crystal assembly (13) wherein the thermal insulating layer (3) is arranged between the inner cylinder (4) and the aerosol generating agent (S) and the jet nozzle (9) is screwed to the enclosure (11) by means of a thread structure that comprises 36 thread segments. Compared to that in the prior art with the segment thread design for screwing the jet nozzle to the enclosure the time required for removing the jet nozzle can be reduced significantly and therefore the apparatus in the present invention has much better safety feature against accidents.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8585/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : CLASS-BASED DISTRIBUTED EVOLUTIONARY ALGORITHM FOR ASSET MANAGEMENT AND TRADING

(51) International classification	:G06F 15/173
(31) Priority Document No	:61/173,581
(32) Priority Date	:28/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/32847
Filing Date	:28/04/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**  
**1)Babak Hodjat**  
**2)Hormoz Shahrzad**

(57) Abstract :

A server computer and a multitude of client computers form a network computing system that is scalable and adapted to continue to evaluate the performance characteristics of a number of genes generated using a software application. Each client computer continues to periodically receive data associated with the stored genes stored in its memory. Using this data the client computers evaluate the performance characteristic of their genes by comparing a solution provided by the gene with the periodically received data associated with that gene. Accordingly the performance characteristic of each gene may be updated and varied with each periodically received data. The performance characteristic of a gene defines its fitness. The genes may be virtual asset traders that recommend trading options. The genes may be assigned initially to different classes to improve convergence but may later be decided to merge with genes of other classes to improve diversity.

No. of Pages : 35 No. of Claims : 65



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8586/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : WORKPIECE CONVEYING EQUIPMENT

(51) International classification	:B61B13/12
(31) Priority Document No	:2009-212765
(32) Priority Date	:15/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/065257
Filing Date	:06/09/2010
(87) International Publication No	:WO 2011/033959
	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)OOE MASAHIRO**

(57) Abstract :

Workpiece conveying equipment provided with a workpiece conveying traveling body 1 composed of a workpiece support carriage 2 and an auxiliary carriage 3 adjacent to at least one of the front and the rear in a traveling direction of the workpiece support carriage 2, a first conveying path LI where the workpiece support carriage 2 and the auxiliary carriage 3 travel integrally, a second conveying path L3 where only the workpiece support carriage 2 travels perpendicularly and horizontally with respect to the traveling direction of the first conveying path LI, and a carriage diverging means provided at a branching point PI from the first conveying path LI to the second conveying path L3 so as to separate the workpiece support carriage 2 from the auxiliary carriage 3 and to diverge the workpiece support carriage 2 into the second conveying path L3 perpendicularly and horizontally.

No. of Pages : 46 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8589/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : RADIO BASE STATION AND MOBILE COMMUNICATION METHOD

(51) International classification :H04W52/58  
(31) Priority Document No :2009-119912  
(32) Priority Date :18/05/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/058380  
Filing Date :18/05/2010  
(87) International Publication No :WO 2010/134531  
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)ISHII, HIROYUKI**  
**3)OKUBO NAOTO**

(57) Abstract :

A radio base station (eNB) comprises: a resource allocating unit (12) that is adapted to decide TPC-PDCCHs which are to be used for mobile stations (UE) and on which TPC commands are to be multiplexed and transmitted to the mobile stations (UE); and a transmitting unit (13) that is adapted to multiplex and transmit the TPC commands on the TPC-PDCCHs decided by the resource allocating unit (12) as channels used for the mobile stations (UE). The resource allocating unit (12) is adapted to decide the TPC-PDCCHs as channels used for mobile stations (UE) in accordance with the number of TPC commands multiplexed on each TPC-PDCCH.

No. of Pages : 64 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8591/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : NEW PROCESS AND NEW COMPOUNDS

(51) International classification :G08G69/04  
(31) Priority Document No :0907249.7  
(32) Priority Date :28/04/2009  
(33) Name of priority country :U.K.  
(86) International Application No :PCT/GB2010/050687  
Filing Date :28/04/2010  
(87) International Publication No :WO 2010/125382 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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**1)SU, WU**  
**2)BURLEY, GLENN, ASHLEY**

(57) Abstract :

There is provided a novel process for preparing polyamides (in particular cyclic and hairpin polyamides) comprising the step of coupling an amine with a Boc-protected amino acid monomer in the presence of diphosgene and/or triphosgene. Such a process may be performed on a solid or solution phase.

No. of Pages : 41 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.86/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :03/01/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR COUPLING A CASE TO A VIBRATING FLOW METER

(51) International classification :G01F1/84

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/US2009/046852  
Filing Date :10/06/2009

(87) International Publication No :WO 2010/144083 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)VAN CLEVE, CRAIG BRAINERD**

(57) Abstract :

A vibrating flow meter (205) is provided. The vibrating flow meter (205) comprises a flow conduit (210) including a first end portion (211) and a second end portion (212). The vibrating flow meter (205) further includes a case (300) surrounding at least a portion of the flow conduit (210). The vibrating flow meter (205) also includes a first case connect (290). The first case connect (290) comprises a first portion (295) coupled to the first end portion (211) of the flow conduit (210) and one or more deformable members (292, 293, 294) extending radially from the first portion (295) and coupled to the case (300) such that the first end portion (211) can rotate about a conduit axis (X).

No. of Pages : 28 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8584/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : DISTRIBUTED EVOLUTIONARY ALGORITHM FOR ASSET MANAGEMENT AND TRADING

(51) International classification :G06F 15/18

(31) Priority Document No :61/173,580

(32) Priority Date :28/04/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/32841

Filing Date :28/04/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**2)Hormoz Shahrzad**

(57) Abstract :

A server computer and a multitude of client computers form a network computing system that is scalable and adapted to continue to evaluate the performance characteristics of a number of genes generated using a software application running on the client computers. Each client computer continues to periodically receive data associated with the genes stored in its memory. Using this data the client computers evaluate the performance characteristic of their genes by comparing a solution provided by the gene with the periodically received data associated with that gene. Accordingly the performance characteristic of each gene may be updated and varied with each periodically received data. The performance characteristic of a gene defines its fitness. The genes may be virtual asset traders that recommend trading options and the data associated with the genes may be historical trading data.

No. of Pages : 26 No. of Claims : 50

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8602/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : TUNABLE MATCHING CIRCUITS FOR POWER AMPLIFIERS

(51) International classification :H04B1/04  
(31) Priority Document No :61/183,877  
(32) Priority Date :03/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/037322  
Filing Date :03/06/2010  
(87) International Publication No :WO 2010/141774 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)ARISTOTELE HADJICHRISTOS**  
**3)GURKANWAL SINGH SAHOTA**

(57) Abstract :

Tunable matching circuits for power amplifiers are described. In an exemplary design, an apparatus may include a power amplifier and a tunable matching circuit. The power amplifier may amplify an input RF signal and provide an amplified RF signal. The tunable matching circuit may provide output impedance matching for the power amplifier, may receive the amplified RF signal and provide an output RF signal, and may be tunable based on at least one parameter effecting the operation of the power amplifier. The parameter(s) may include an envelope signal for the amplified RF signal, an average output power level of the output RF signal, a power supply voltage for the power amplifier, IC process variations, etc. The tunable matching circuit may include a series variable capacitor and/or a shunt variable capacitor. Each variable capacitor may be tunable based on a control generated based on the parameter(s).

No. of Pages : 33 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8606/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHODS AND APPARATUS FOR AMPLIFYING AND TRANSMITTING SIGNALS

(51) International classification :H04L12/28  
(31) Priority Document No :12/477,644  
(32) Priority Date :03/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/037333  
Filing Date :10/01/2007  
(87) International Publication No :WO 2007/082036 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)JUNYI LI**  
**2)XINZHOU WU**  
**3)RAJIV LAROA**

(57) Abstract :

A wireless communications device transmits during a first time using a single tone and during a second time using a plurality of tones. The wireless communications device uses linear power amplification for transmitting multi-tone signals and non-linear power amplification for transmitting at least some single tone signals. In some embodiments a linear amplification range on a first amplifier's characteristic curve is used for the linear amplification and a non-linear amplification range on the first amplifier's characteristic curve is used for the non-linear amplification. Filtering subsequent to the amplification is controlled to accommodate the type of amplification being used. In some embodiments, the decision as to whether to use linear amplification or non-linear amplification is a function of whether the intended transmitted signal is to be a single tone signal or a multi-tone signal. In some embodiments, the decision is also a function of intended range.

No. of Pages : 40 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8609/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : VERIFICATION OF PORTABLE CONSUMER DEVICES

(51) International classification :G06Q20/00

(31) Priority Document No :61/173,371

(32) Priority Date :28/04/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/032825

Filing Date :28/04/2010

(87) International Publication No :WO 2010/129357 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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(57) Abstract :

Embodiments of the invention are directed to methods, systems, and computer program products pertaining to obtaining, providing, and using dynamic card verification values for portable consumer devices, such as credit cards and debit cards. An exemplary method comprises receiving, at a server, a request for a device verification value for a portable consumer device associated with a user; obtaining, at the server, a datum indicative of a device verification value for a portable consumer device; and sending, from the server, the datum to at least one of a phone number or network address of a personal communication device associated with user.

No. of Pages : 73 No. of Claims : 76



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8612/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : LOAD BALANCING ACROSS LAYER-2 DOMAINS

(51) International classification :H04L12/56  
(31) Priority Document No :61/182,057  
(32) Priority Date :28/05/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/036757  
Filing Date :28/05/2010  
(87) International Publication No :WO 2010/138936 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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**2)MALTZ, DAVID**  
**3)GREENBERG, ALBERT**  
**4)YUAN, LIHUA**  
**5)KERN, RANDY**

(57) Abstract :

The present application relates to network configurations and specifically to scalable load balancing network configurations. One implementation includes an external client coupled to a scalable load balancing system. The scalable load balancing system includes a load balancing layer that is configured to encapsulate individual incoming packets of a packet flow from the external client. The load balancing layer is further configured to route the incoming packets to target devices on the system. The target devices can span multiple IP subnets. The incoming packets can pass through one or more load balancers of the load balancing layer before reaching individual target devices. Individual target devices can be configured to route at least some outgoing packets of the packet flow to the external client without passing through any of the one or more load balancers.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8613/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : SPECTRUM ASSIGNMENT FOR NETWORKS OVER WHITE SPACES AND OTHER PORTIONS OF THE SPECTRUM

(51) International classification	:H04W16/14
(31) Priority Document No	:12/473,963
(32) Priority Date	:28/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/036756
Filing Date	:28/05/2010
(87) International Publication No	:WO 2010/138935 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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**3)MURTY, ROHAN N.**  
**4)BAHL, PARAMVIR**

(57) Abstract :

Functionality is described by selecting a channel in an environment in which non-privileged entities have subordinate access rights to spectrum compared to privileged entities. The functionality operates by identifying spectrum that is available to all nodes involved in communication (where the nodes are associated with non-privileged entities). The functionality then generates a suitability assessment for each candidate channel within the available spectrum. The functionality selects a channel having the most desirable suitability assessment. The functionality can form a suitability assessment for a candidate channel of arbitrary width, e.g., by combining suitability assessments associated with constituent spectrum units within the candidate channel.

No. of Pages : 47 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8614/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : COOPERATIVE COMMUNICATION METHOD AND BASE STATION

(51) International classification	:H04L 1/06
(31) Priority Document No	:200910190164.4
(32) Priority Date	:09/09/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/076761
Filing Date	:09/09/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**1)LONG Yi**  
**2)LI Yunbo**

(57) Abstract :

The embodiments of the present invention relate to communication field and especially relate to a method and device for precoding in cooperative communication. The method includes: acquiring a direction matrix corresponding to a target mobile terminal wherein the number of rows of the direction matrix is determined according to the total number of antennas of mobile terminals in the cooperative area and the number of antennas of the target mobile terminal and wherein the number of columns of the direction matrix is determined according to the number of bit streams sent to the target mobile terminal; calculating a precoding matrix according to local channel state information and the direction matrix; performing precoding according to the precoding matrix and performing cooperative communication. The methods of the embodiments of the present invention cancel the interference between users through appointing direction matrix ...

No. of Pages : 22 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8615/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : MICROWAVE DIELECTRIC RESONATOR&NBSP; METHOD FOR MANUFACTURING THE SAME&NBSP; AND MICROWAVE DIELECTRIC DUPLEXER

(51) International classification	:C04B 35/46
(31) Priority Document No	:201010532141.X
(32) Priority Date	:01/11/2010
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2011/073991
Filing Date	:12/05/2011
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :  
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**2)WANG Jin**

(57) Abstract :

A microwave dielectric resonator a method for manufacturing a microwave dielectric resonator and a microwave dielectric duplexer are provided. The method for manufacturing the microwave dielectric resonator includes mixing and ball milling main materials at a set ratio so as to obtain a first mixed powder where the main materials include Mg(OH)<sub>2</sub> CaCO<sub>3</sub> and TiO<sub>2</sub>; mixing and ball milling or sand milling minor additives at a set ratio so as to obtain a second mixed powder where the minor additives include ZrO<sub>2</sub> Nb<sub>2</sub>O<sub>5</sub> and Y<sub>2</sub>O<sub>3</sub>; mixing and ball milling or sand milling the first mixed powder and the second mixed powder and then performing granulating so as to obtain a third mixed powder; and die casting and sintering the third mixed powder so as to obtain the microwave dielectric resonator....

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8616/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD&NBSP; APPARATUS&NBSP; AND SYSTEM FOR TRANSMITTING PACKET SERVICE DATA

(51) International classification	:H04L
(31) Priority Document No	:200910136556.2
(32) Priority Date	:07/05/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/072433
Filing Date	:04/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**6)YONG Wen yuan**

**7)QIN Shengyi**

**8)QIU Hua**

**9)ZHANG Yaowen**

**10)GU Wei**

**11)WANG Guangwei**

(57) Abstract :

The present disclosure relates to the communications field and discloses, a method, an apparatus, and a system for transmitting packet service data, so as to solve the problem of a high operation and maintenance cost of a Packet Switched (PS) network. The technical solution provided by the present disclosure includes: receiving packet service data sent by a User Equipment (UE), determining whether the packet service data is Internet service data according to a pre-obtained Internet service offloading policy, and if the packet service data is Internet service data, transmitting the packet service data to a Public Data Network (PDN) via a Metropolitan Area Network (MAN) and an IP backbone. Embodiments of the present disclosure may be applied to wireless communication systems such as a WCDMA system.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8617/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD AND SYSTEM FOR INTERFERENCE CANCELLATION

(51) International classification :H04B 1/707

(31) Priority Document No :12/481,203

(32) Priority Date :09/06/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/037853

Filing Date :08/06/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**3)YU Yingqun**

(57) Abstract :

Systems and methods for interference cancellation at a receiver in a wireless communication system are provided. In one aspect, a method for interference cancellation is provided. The method comprises providing total received chips received from a plurality of cells. The method also comprises successively estimating received chips for each of the plurality of cells in a plurality of iterations, wherein each of the plurality of iterations after a first iteration comprises canceling previously estimated received chips for one or more of the plurality of cells from the total received chips, and estimating received chips for one of the plurality of cells using the total received chips with the previously estimated received chips for the one or more of the plurality of cells cancelled out.

No. of Pages : 101 No. of Claims : 50

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8618/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : DATA TRANSMISSION WITH CROSS-SUBFRAME CONTROL IN A WIRELESS NETWORK

(51) International classification :H04L 5/0  
(31) Priority Document No :61/184,218  
(32) Priority Date :04/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/037534  
Filing Date :04/06/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**3)BHATTAD Kapil**

(57) Abstract :

Techniques for supporting communication in dominant interference scenarios are described. In an aspect communication in a dominant interference scenario may be supported with cross-subframe control. Different base stations may be allocated different subframes for sending control information. Each base station may send control messages in the subframes allocated to that base station. Different base stations may have different timelines for sending control messages due to their different allocated subframes. With cross-subframe control control information (e.g. grants acknowledgement etc.) may be sent in a first subframe and may be applicable for data transmission in a second subframe which may be a variable number of subframes from the first subframe. In another aspect messages to mitigate interference may be sent on a physical downlink control channel (PDCCH).

No. of Pages : 62 No. of Claims : 73

(12) PATENT APPLICATION PUBLICATION

(21) Application No.862/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :25/01/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : PROPAGATING PROMOTIONAL INFORMATION ON A SOCIAL NETWORK

(51) International classification :G06Q30/00  
(31) Priority Document No :12/495,396  
(32) Priority Date :30/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/040624  
Filing Date :30/06/2010  
(87) International Publication No :WO 2011/002899 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)GUHA, RAMANATHAN V.**

(57) Abstract :

In one implementation, a method for providing information to computer users includes receiving at a server system an indicator of an action performed on a third-party website by a first user of a social network of users. The method can also include creating by the server system first promotional information based upon the received indicator and information associated with the first user of the social network. The method can further include persistently storing by the server system the created first promotional information in a repository of promotional information, wherein the repository stores promotional information associated with a plurality of third-party websites for display to users of a plurality of social networks. The method can additionally include receiving at the server system a request for promotional information to display to a second user of the social network, the second user having an acquaintance relationship with the first user.

No. of Pages : 71 No. of Claims : 20



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8624/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : COMPOSITIONS AND METHODS FOR INCREASING TELOMERASE ACTIVITY•

(51) International classification :A01N 45/ 0

(31) Priority Document No :61/179,305

(32) Priority Date :18/05/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/035119

Filing Date :17/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

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**5)PIROT Zhu Zhen**

**6)FAUCE Steven**

**7)LIN Tong**

(57) Abstract :

The present invention relates to methods and compositions for increasing telomerase activity in cells. Such compositions include pharmaceutical formulations. The methods and compositions are useful for treating diseases subject to treatment by an increase in telomerase activity in cells or tissue of a patient. They are also useful for enhancing replicative capacity of cells in culture as in ex vivo cell therapy and for enhancing proliferation of stem and progenitor cells.

No. of Pages : 95 No. of Claims : 27

(54) Title of the invention : LIGHT SOURCE COMPRISING A LIGHT EMITTER ARRANGED INSIDE A TRANSLUCENT OUTER ENVELOPE

(51) International classification :F21K 99/00  
 (31) Priority Document No :200910139350.5  
 (32) Priority Date :04/05/2009  
 (33) Name of priority country :China  
 (86) International Application No :PCT/IB2010/051793  
 Filing Date :23/04/2010  
 (87) International Publication No : NA  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
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## (57) Abstract :

The invention relates to a light source (10, 12) comprising a light emitter (20) arranged inside a translucent outer envelope (30, 32). The light emitter comprising a light emitting device (40) and comprising a translucent inner envelope (50) at least partially surrounding the light emitting device, the translucent inner envelope comprising a diffuser. A diameter (di) of the translucent inner envelope is smaller than a diameter (do) of the translucent outer envelope. The translucent outer envelope is connected to a base (60) not being translucent. The translucent outer envelope further comprises a symmetry axis (S). An imaginary base-plane (P) is defined substantially perpendicular to the symmetry axis (S) and intersects with a connection point (C) being part of the translucent outer envelope. The connection point is a light transmitting part of the translucent outer envelope at an interface between the translucent outer envelope and the base at a furthest distance from a center (M) of the translucent outer envelope. The light emitter is arranged inside the translucent outer envelope at a distance from the imaginary base-plane away from the base. An effect of the light source according to the invention is that the emission profile of the light source according to the invention is increased.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8634/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : ABSORPTION MEDIUM FOR THE SELECTIVE REMOVAL OF HYDROGEN SULFIDE FROM FLUID STREAMS•

(51) International classification	:B01D 53/14
(31) Priority Document No	:09160039.5
(32) Priority Date	:12/05/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/056556
Filing Date	:12/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**2)KATZ Torsten**

**3)SIEDER Georg**

**4)RIEMANN Christian**

**5)DENGLER Erika**

(57) Abstract :

An absorption medium for the removal of acid gases from a fluid stream comprises an aqueous solution of a) at least one amine and b) at least one phosphonic acid wherein the molar ratio of b) to a) is in the range from 0.0005 to 1.0. The phosphonic acid is e.g. 1-hydroxyethane-1,1-diphosphonic acid. The absorption medium exhibits a reduced regeneration energy requirement compared with absorption media based on amines or amine/promoter combinations without significantly decreasing the absorption capacity of the solution for acid gases.

No. of Pages : 24 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8635/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : THIN FILM DEPOSITION METHOD AND RESULTING PRODUCT•

(51) International classification :C03C 17/36

(31) Priority Document No :0953956

(32) Priority Date :12/06/2009

(33) Name of priority country :France

(86) International Application No :PCT/FR2010/051172

Filing Date :11/06/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)Name of Inventor :

**1)REYMOND Vincent**

**2)KHARCHENKO Andriy**

**3)NADAUD Nicolas**

(57) Abstract :

The subject of the invention is a process for obtaining a substrate coated on at least one face with a low-E thin-film multilayer, comprising the following steps: - a thin-film multilayer comprising at least one thin silver film between at least two thin dielectric films is deposited on said at least one face of said substrate; and - the at least one coated face is heat treated using at least one source of laser radiation emitting in at least one wavelength between 500 and 2000 nm so that the emissivity and/or the sheet resistance of the multilayer is reduced by at least 5%, said process being such that said multilayer before treatment includes at least one thin film at least partially absorbing the laser radiation so that the absorption of said multilayer at at least one wavelength of the laser radiation is such that the absorption of a clear glass substrate 4 mm in thickness coated with said multilayer at said at least one wavelength of the laser radiation is greater than or equal to 10%.

No. of Pages : 55 No. of Claims : 20

(54) Title of the invention : PLANTS HAVING ENHANCED YIELD-RELATED TRAITS AND A METHOD FOR MAKING THE SAME•

(51) International classification :C12N 15/8  
 (31) Priority Document No :09159059.6  
 (32) Priority Date :29/04/2009  
 (33) Name of priority country :EPO  
 (86) International Application No :PCT/EP2010/055099  
       Filing Date :19/04/2010  
 (87) International Publication No : NA  
 (61) Patent of Addition to Application Number :NA  
       Filing Date :NA  
 (62) Divisional to Application Number :NA  
       Filing Date :NA

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 (72)Name of Inventor :  
**1)KIM Ju Kon**  
**2)CHOI Yang Do**  
**3)JEONG Jin Seo**  
**4)REUZEAU Christophe**

(57) Abstract :

The present invention relates generally to the field of molecular biology and concerns a method for enhancing various economically important yield-related traits in plants. More specifically, the present invention concerns a method for enhancing yield-related traits in plants by modulating expression in a plant of a nucleic acid encoding an IAA2-like (auxin/indoleacetic acid 2 like) polypeptide. The present invention also concerns plants having modulated expression of a nucleic acid encoding IAA2-like polypeptide, which plants have enhanced yield-related traits relative to control plants. The invention also provides constructs comprising IAA2-like-encoding nucleic acids, useful in performing the methods of the invention. The present invention also relates generally to the field of molecular biology and concerns a method for improving various plant growth characteristics by modulating expression in a plant of a nucleic acid encoding a NAC10-like polypeptide. The present invention also concerns plants having modulated expression of a nucleic acid encoding a NAC10-like polypeptide, which plants have improved growth characteristics relative to corresponding wild type plants or other control plants. The invention also provides constructs useful in the methods of the invention.

No. of Pages : 132 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8637/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : A METHOD AND AN APPARATUS FOR ADAPTING NETWORK CHARACTERISTICS IN A TELECOMMUNICATIONS SYSTEM•

(51) International classification	:H04W 24/02
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/SE2009/050751
Filing Date	:17/06/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**3)SKARVE Martin**

(57) Abstract :

The embodiments of the present invention relate to a method in a network node for adapting network characteristics in a telecommunications system. According to the method a plurality of entities indicative of the performance of the network are measured simultaneously by means of a single counter. The measurements are then stored within predefined ranges and a correlation of the measurements is performed to determine a relationship among the entities with predefined range(s). The result(s) of the correlation is then used to adapt network characteristics for optimizing the network. The embodiments of the present invention also relate to a network node.

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

## (54) Title of the invention : THIN FILMS FOR PHOTOVOLTAIC CELLS

(51) International classification :B32B15/02  
 (31) Priority Document No :61/181,154  
 (32) Priority Date :26/05/2009  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/US2010/036259  
       Filing Date :26/05/2010  
 (87) International Publication No :WO 2010/138635 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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**2)HILLHOUSE, HUGH, W**  
**3)GUO, QIJIE**  
**4)KAR, MAHAPRASAD**

## (57) Abstract :

In one aspect, a method for forming CIGSSe-based thin films includes depositing at least two layers of particles on a substrate. Each layer includes a CIGSSe particle having a chemical composition denoted by  $\text{Cu}(\text{In}_{1-x}\text{Ga}_x)(\text{Se}_{1-y}\text{S}_y)_2$  where  $x$  and  $y$  are between 0 and 1. The particle layers are annealed individually or in combination to form a CIGSSe thin film having a composition profile along the depth of the film. The particle layers may be deposited on a substrate or on a pre-existing absorber. After depositing thin film precursor layers containing CIGSSe nanoparticles (and/or any other particles) on a suitable substrate in accordance with a desired concentration profile, a subsequent treatment under an Se and/or S containing atmosphere at elevated temperature may be used to convert the precursor layers into a CIGSSe absorber film. In a further aspect, a method for forming multinary metal chalcogenide semiconductor layers directly on a substrate from a solution of precursors, includes depositing a plurality of metal chalcogenide particles onto a substrate to form a precursor film. A species containing a metal, chalcogen, or combination thereof is dissolved in a solution containing one or more solvents to form a liquid chalcogen medium. The precursor film is contacted with the liquid chalcogen medium at a temperature of at least 50°C to form a multinary metal chalcogenide thin film.

No. of Pages : 50 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8622/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD&NBSP; APPARATUS&NBSP; AND COMPUTER PROGRAM PRODUCT FOR WRITTEN MATHEMATICAL EXPRESSION ANALYSIS

(51) International classification :G06K 9/22

(31) Priority Document No :12/431,908

(32) Priority Date :29/04/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/IB2010/000979

Filing Date :29/04/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**2)Ying Fei Liu**

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**4)Yan Ming Zou**

(57) Abstract :

Various methods for written mathematical expression analysis are provided. One method may include receiving written input where the written input is representative of a mathematical expression. The method may also include analyzing the written input to identify at least one operator and at least one operand and constructing an expression tree based at least in part on predefined symbol relationships, the at least one operator, and the at least one operand. Similar apparatuses and computer program products are also provided.

No. of Pages : 34 No. of Claims : 10



(54) Title of the invention : CLINICAL DIAGNOSIS OF HEPATIC FIBROSIS USING A NOVEL PANEL OF LOW ABUNDANT HUMAN PLASMA PROTEIN BIOMARKERS•

(51) International classification	:G01N 33/574
(31) Priority Document No	:61/178,334
(32) Priority Date	:14/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/001343
Filing Date	:13/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :  
**1)THE CHANCELLOR MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD**  
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 (72)Name of Inventor :  
**1)DWEK Raymond A.**  
**2)GANGADHARAN Bevin**  
**3)ZITZMANN Nicole**

(57) Abstract :

The inventors have proposed a novel panel of human plasma protein biomarkers for diagnosing hepatic fibrosis and cirrhosis. Presently there is no reliable non-invasive way of assessing liver fibrosis. A 2D-PAGE based proteomics study was used to identify potential fibrosis biomarkers. Plasma from patients with hepatic cirrhosis induced by infection with the hepatitis C virus (HCV) were analysed. Several proteins associated with liver scarring and potentially also related to viral infection were identified. These proteins include 14-3-3 protein zeta/delta, adiponectin, afamin, alpha- 1 -antitrypsin, alpha-2-HS-glycoprotein, apolipoprotein C-III, apolipoprotein E, C4b-binding protein beta chain, intact/cleaved complement C3dg, corticosteroid-binding globulin, fibrinogen gamma chain, beta haptoglobin at pH 5.46 - 5.49, haptoglobin-related protein, hemopexin, immunoglobulin J chain, leucine-rich alpha-2-glycoprotein, lipid transfer inhibitor protein, retinol-binding protein 4, serum paraoxonase/arylesterase 1, sex hormone-binding globulin and zinc-alpha-2- glycoprotein. These biomarkers can be used in conjunction with polypeptides in WO/2008/031051. The concentrations of these novel biomarkers can be determined using an immunoassay where the concentrations would reflect the extent of fibrosis. A fibrosis scoring scale for each of the novel biomarkers is proposed. The additive result from the scores of all the novel biomarkers would give a more reliable indication of the degree of fibrosis rather than examining individual biomarkers.

No. of Pages : 42 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8646/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEM AND METHOD FOR ENERGY-EFFICIENT OPERATION OF OPTICAL NETWORK UNITS BASED ON SCHEDULED PAYLOAD RECEPTION

(51) International classification	:H04J3/16
(31) Priority Document No	:12/482,412
(32) Priority Date	:10/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/036095
Filing Date	:26/05/2010
(87) International Publication No	:WO 2010/144251 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)DUSAN SUVAKOVIC**

(57) Abstract :

In a passive optical network, power consumption of the ONU can be reduced by communicating a transmission schedule from the OLT to the ONU that indicates time slots in which the ONU is scheduled to receive payload transmissions from the OLT. Components of the ONU that would normally operate continuously, including processing payloads addressed to other ONUs, are placed in a reduced power state outside of the ONU's allocated time slots.

No. of Pages : 39 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8661/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYNTHESIS OF MULTINARY CHALCOGENIDE NANOPARTICLES COMPRISING CU,ZN,SN, S AND SE

(51) International classification	:B82B3/00
(31) Priority Document No	:61/181,160
(32) Priority Date	:26/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/036261
Filing Date	:26/05/2010
(87) International Publication No	:WO 2010/138636 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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(72)**Name of Inventor :**  
**1)AGRAWAL. RAKESH**  
**2)HILLHOUSE, HUGH, W**  
**3)GUO, QIJIE**

(57) Abstract :

Nanoparticle compositions and methods for synthesizing multinary chalcogenide CZTS<sub>1-x</sub>Se nanoparticles comprising Cu, Zn, and Sn in combination with S, Se or both are described. The nanoparticles may be incorporated into one or more ink solutions alone or in combination with other chalcogenide-based particles to make thin films useful for photovoltaic applications, including thin films from multilayer particle films having a composition profile. The composition and stoichiometry of the thin films may be further modified by subjecting the particle films to gas or liquid phase chalcogen exchange reactions.

No. of Pages : 41 No. of Claims : 15

(54) Title of the invention : PLANTS HAVING ENHANCED YIELD-RELATED TRAITS AND A METHOD FOR MAKING THE SAME•

(51) International classification :C12N 15/82  
 (31) Priority Document No :09100260.0  
 (32) Priority Date :29/04/2009  
 (33) Name of priority country :EPO  
 (86) International Application No :PCT/EP2010/055579  
       Filing Date :27/04/2010  
 (87) International Publication No : NA  
 (61) Patent of Addition to Application Number :NA  
       Filing Date :NA  
 (62) Divisional to Application Number :NA  
       Filing Date :NA

(71)**Name of Applicant :**  
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**1)SANZ MOLINERO Ana Isabel**  
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**3)HATZFELD Yves**

(57) Abstract :

The present invention relates generally to the field of molecular biology and concerns a method for enhancing various yield-related traits and/or plant growth characteristics in plants by modulating expression in a plant of a nucleic acid encoding a C3H-like polypeptide or a SPATULA-like (SPT) polypeptide or an IDI2 (Iron Deficiency Induced 2) polypeptide or an eIF4F-like protein complex subunit or GR-RBP (Glycine Rich-RNA Binding Protein) polypeptide. The present invention also concerns plants having modulated expression and/or activity of a nucleic acid encoding a C3H-like polypeptide or a SPATULA-like (SPT) polypeptide or an IDI2 (Iron Deficiency Induced 2) polypeptide or an eIF4F-like protein complex subunit or GR-RBP (Glycine Rich-RNA Binding Protein) polypeptide which plants have enhanced yield-related traits and/or plant growth characteristics relative to corresponding wild type plants or other control plants. The invention also provides constructs useful in the methods of the invention.

No. of Pages : 262 No. of Claims : 124

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8668/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : AGILE DATA CENTER NETWORK ARCHITECTURE

(51) International classification :H04L29/06

(31) Priority Document No :61/182,063

(32) Priority Date :28/05/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/036758

Filing Date :28/05/2010

(87) International Publication No :WO 2010/138937 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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**5)JAIN, NAVENDU**

**6)KIM, CHANGHOON**

**7)PATEL, PARVEEN**

(57) Abstract :

This patent application relates to an agile network architecture that can be employed in data centers, among others. One implementation provides a virtual layer-2 network connecting machines of a layer-3 infrastructure.

No. of Pages : 43 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8670/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : DELIVERING MESSAGES USING USER-DEFINED AGENTS

(51) International classification :G06Q  
(31) Priority Document No :12/475,374  
(32) Priority Date :29/05/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/036759  
Filing Date :28/05/2010  
(87) International Publication No :WO2010/138938 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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**2)BOCTOR, VICTOR WILLIAM HABIB**  
**3)KAY, JEFFREY BRIAN**  
**4)LUTTINEN, TODD CARLYLE**

(57) Abstract :

User-defined agents and connectors are defined to process messages for a messaging application. The user-defined agents are configured to extend the capabilities of the messaging application. Each user-defined agent is associated with a connector that is configured to route messages for a particular address space according to the specified protocol. Upon receipt of a routed message within the particular address space, the messaging application on the server invokes the associated user-defined agent to process the message. The user-defined agent utilizes an API that is associated with the messaging application to assist in processing the message.

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

(54) Title of the invention : METHOD AND SYSTEM FOR REGULATING MOVEMENT OF AN AUTONOMOUS ENTITY BETWEEN ZONES•

(51) International classification :G06F 19/00  
 (31) Priority Document No :2009901949  
 (32) Priority Date :01/05/2009  
 (33) Name of priority country :Australia  
 (86) International Application No :P T/AU2010/000495  
       iling Date :30/04/2010  
 (87) International Publication No : NA  
 (61) Patent of Addition to Application Number :NA  
       Filing Date :NA  
 (62) Divisional to Application Number :NA  
       Filing Date :NA

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**4)Ali Haydar G-KTOGAN**  
**5)Surya P N SINGH**  
**6)Guralawela Ekanayake Mudiyanseelage Dharmapriya**  
**Chandrarathne BANDARA**

(57) Abstract :

A method is described of regulating movement of an autonomous entity between a first zone (904) and a second zone (901) wherein the first and second zones each have an operation-defined geographical boundary within a defined geographical region. The autonomous entity is instructed to move into a transition zone (906 907) that spans the first zone and the second zone wherein the autonomous entity while located in the first zone is responsive to supervisory control of a first controller (912) associated with the first zone. The autonomous entity is registered with a second controller (910) associated with the second zone to enable the autonomous entity to respond to supervisory control of the second controller as the autonomous entity enters the second zone through the transition zone. The autonomous entity is de-registered from the first controller.

No. of Pages : 84 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8674/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : CONTROL SYSTEM FOR AUTONOMOUS OPERATION•

(51) International classification :G06F 19/00

(31) Priority Document No :2009901933

(32) Priority Date :01/05/2009

(33) Name of priority country :Australia

(86) International Application No :PCT/AU2010/000496

Filing Date :30/04/ 010

(87) International Publication No : NA

(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)Ali Haydar G-KTOGAN**

**5)Surya P N SINGH**

(57) Abstract :

A hierarchical control system (203) for supervising operations of an autonomous operator located within a defined geographical region containing a localised zone having an operation-defined boundary. The control system (203) has a primary controller (604) associated with the defined geographical region and a secondary controller (605) associated with the localised zone. The secondary controller (605) is responsive to the supervisory control of the primary controller (604). The autonomous operator if located within the localised zone is responsive to the supervisory control of the secondary controller (605).

No. of Pages : 80 No. of Claims : 12



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8675/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEM AND METHOD FOR REDUCING BLIND DECODING COMPLEXITY IN OFDMA-BASED SYSTEMS

(51) International classification	:H04B 7/26
(31) Priority Document No	:61/214,798
(32) Priority Date	:27/04/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/KR2010/002659
Filing Date	:27/04/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**  
**1)RAMAKRISHNA Sudhir**

(57) Abstract :

A base station comprising a transmitter for transmitting a downlink frame. The downlink frame comprises a resource allocation region and the resource allocation region comprises a set of resource allocation messages comprising at least one resource allocation message. Each of resource allocation messages for a particular subscriber station comprises a field including an indicator to the indicator indicates a number of the resource allocation messages for a particular subscriber station in the resource allocation region.

No. of Pages : 42 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8676/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : DATA TRANSFERRING METHOD&NBSP; SYSTEM AND RELATED NETWORK DEVICE BASED ON PROXY MOBILE (PM) IPV6

(51) International classification	:H04W 4/00
(31) Priority Document No	:200910082982.2
(32) Priority Date	:27/04/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/072187
Filing Date	:26/04/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**2)DENG Hui**

(57) Abstract :

A data transferring method, a system and a related network device based on proxy mobile (PM) IPv6, which are used for solving the problem that the existing data transferring scheme based on proxy mobile (PM) IPv6 can<sup>TM</sup>t distinguishes and controls the mobile node (MN) data packages according to service flow. The data transferring method includes: after the mobile node (MN) initiates the service flow, a mobile access gateway (MAG) and local mobility anchor (LMA) establishes a bidirectional tunnel by information interaction based on service flow binding; in which, in the process of the bidirectional tunnel establishing, the service is distributed the downlink GRE Key and uplink GRE Key, and the local mobility anchor (LMA) adds service flow identifier of the service flow and the binding relationship of the address information of the mobile node (MN); the mobile access gateway (MAG) and local mobility anchor (LMA) transfers the data packages of the service flow initiated by the mobile node (MN) on the bidirectional tunnel between the mobile access gateway (MAG) and local mobility anchor (LMA) according to the service flow identifier and the binding relationship and the uplink, downlink GRE Key.

No. of Pages : 27 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8677/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : DEVICE CAPABILITY INVOCATION METHOD&NBSP; WIDGET DEVICE&NBSP; SERVER

(51) International classification	:H04L 12/24
(31) Priority Document No	:200910138673.2
(32) Priority Date	:12/05/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/072655
Filing Date	:12/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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China  
(72)**Name of Inventor :**  
**1)JIN Hongbo**  
**2)FU Haifang**  
**3)ZHU Wangbin**

(57) Abstract :

A method for calling equipment capabilities a widget equipment and a server are disclosed and the method the equipment and the server relate to the technical field of communication. The method for calling equipment capabilities comprises: receiving the equipment capability calling request sent by a widget which contains the condition of the equipment capability that needs to be called; searching an equipment capability library for the equipment capability which meets the condition; calling the searched equipment capability; receiving the returned calling result after the searched equipment capability is called; and sending the calling result to the widget. The technical solution may enable the widget equipment to call the equipment capability of each equipment.

No. of Pages : 36 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8678/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD&NBSP; APPARATUS&NBSP; AND SYSTEM FOR MEASURING NETWORK PERFORMANCE

(51) International classification	:H04L 12/26
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/CN2009/071811
Filing Date	:15/05/2009
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :
1)SONG Jianmin
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4)YAO Zheng
5)PAN Lei
6)XUE Jing

(57) Abstract :

The present invention relates to the communications field, and discloses a method for measuring network performance. With the method, a receiving end receives a performance measurement message corresponding to a data stream, obtains a performance measurement parameter corresponding to the data stream, so that stream-based network performance measurement can be implemented. The present invention also discloses an apparatus and a system for measuring network performance, and another method for measuring network performance.

No. of Pages : 45 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8679/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : HEAT SPREADING DEVICE AND METHOD THEREFORE

(51) International classification :H05K 7/20

(31) Priority Document No :0900622-2

(32) Priority Date :18/05/2009

(33) Name of priority country :Sweden

(86) International Application No :PCT/IB2010/001351

Filing Date :18/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**3)HONG Yu Ping**

**4)PENG Feng**

**5)YANG Hua**

**6)LI Hai Peng**

(57) Abstract :

A heat spreading device comprises a section forming a first chamber portion and a second chamber portion a plurality of first conduits (Hn 12n) and at least two second conduits (13 14) An interconnection of the first and second chamber portions is provided by he at least two second conduits Integral parts/portions are provided such as cavities (4) barriers (1108) and fins (23)

No. of Pages : 36 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.870/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :25/01/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHODS AND APPARATUS FOR WIRELESS COMMUNICATION

(51) International classification :H04W36/08  
(31) Priority Document No :12/806,185  
(32) Priority Date :06/07/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/CA2010/001045  
Filing Date :06/07/2010  
(87) International Publication No :WO 2011/003187 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)MO-HAN FONG**  
**2)HANG ZHANG**  
**3)SOPHIE VRZIC**  
**4)ROBERT NOVAK**

(57) Abstract :

One method of wireless communication involves acknowledging that an anchor base station received a handover indication signal. Another method involves: receiving, from base stations of an active set, offset signals identifying a respective differences in time between a reference time and respective times when the base station received a ranging signal from a mobile station; and transmitting, to the mobile station, a ranging control signal in response to the respective offset signals. Another method involves transmitting, to a mobile station in response to an active set signal, a system configuration information signal including system configuration information of a base station in an active set. Another method involves determining an uplink control channel power parameter in response to channel condition signals received from base stations in an active set. Another method involves transmitting a control signal to base stations in an active set on respective control channels. Apparatuses are also disclosed.

No. of Pages : 88 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8700/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :24/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : A LATCHING AND LOCKING DEVICE INSIDE A SWITCH OR A CIRCUIT BREAKER

(51) International classification :H01H33/12

(31) Priority Document No :09 53461

(32) Priority Date :26/05/2009

(33) Name of priority country :France

(86) International Application No :PCT/EP2010/057106

Filing Date :25/05/2010

(87) International Publication No :WO 2010/136424

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)PICCOZ, DANIEL**

**2)DECQ, FLORIANE**

**3)GROSJEAN, PATRICE**

(57) Abstract :

The embodiments of the switch described herein include latching and locking systems (24) so as to retain the rod (13) of a vacuum bottle (10) in a determined, open or closed, position, the systems being driven and controlled by the same means that cause the movable portion of the vacuum bottle to move, or by the disconnecter (4) itself.

No. of Pages : 20 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8702/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :24/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : ANTIBIOTIC-FREE PLASMID

(51) International classification :C12N 15/73

(31) Priority Document No :61/180,755

(32) Priority Date :22/05/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/035979

Filing Date :24/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)Name of Inventor :

**1)AUDONNET Jean-Christophe**

**2)JOLIVET Edmond**

(57) Abstract :

The present invention provides a method of maintaining a gram negative bacterium plasmid without the use of antibiotic selection pressure. Further the invention relates to the drugless plasmids produced including drugless plasmids containing a heterologous gene. The invention also provides formulations and/or compositions comprising the drugless plasmids comprising a heterologous gene formulations and/or compositions comprising a protein or an immunogen expressed using the drugless plasmids and methods of administering such formulations and/or compositions to a host. The invention relates to gram negative bacteria containing the drugless plasmids.

No. of Pages : 206 No. of Claims : 24



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8703/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :24/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : A METHOD, DEVICE AND SYSTEM FOR BACKHAUL LINK COMMUNICATION IN A TDD SYSTEM

(51) International classification :H04W16/26  
(31) Priority Document No :200910082699.X  
(32) Priority Date :24/04/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/071924  
Filing Date :20/04/2010  
(87) International Publication No :WO 2010/121539 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)ZHANG, WENJIAN**  
**2)PAN, XUEMING**  
**3)WANG, LIBO**  
**4)SHEN, ZUKANG**

(57) Abstract :

The present invention provides a method, device and system for backhaul link communication in a TDD system. Wherein, the method includes: a base station allocating an uplink subframe for uplink transmitting of the backhaul link and a downlink subframe for downlink transmitting of the backhaul link, and notifying subframe allocating information to a relay node; and the base station communicating with the relay node by the uplink subframe and the downlink subframe of the backhaul link. The solution allocates the uplink subframe and the downlink subframe of the backhaul link according to certain rules, performs related HARQ operation based on the allocated uplink subframe and downlink subframe, and ensures the availability and reliability of backhaul link communication.

No. of Pages : 45 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8656/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : HYBRID COMPONENTS WITH REACTIVE HOTMELT ADHESIVES

(51) International classification	:B32B7/12	(71)Name of Applicant :
(31) Priority Document No	:10 2009 026 493.0	<b>1)EVONIK DEGUSSA GMBH</b>
(32) Priority Date	:27/05/2009	Address of Applicant :RELLINGHAUSER STRASSE 1-11,
(33) Name of priority country	:Germany	45128 ESSEN Germany
(86) International Application No	:PCT/EP2010/054270	(72)Name of Inventor :
Filing Date	:31/03/2011	<b>1)PAWLIK, ANDREAS</b>
(87) International Publication No	:WO 2010/136241	<b>2)RISTHANS, MARTIN</b>
	A1	<b>3)FRITZ, JOCHEN</b>
(61) Patent of Addition to Application		
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A description is given of the use of reactive hotmelt adhesives based on copolyamide and further comprising isocyanate and epoxide and also a functionalized polyolefin in hybrid components. These hybrid components find applications in vehicle construction and in aircraft construction, for example.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.868/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :25/01/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHODS AND ARRANGEMENTS RELATING TO EDGE MACHINING OF BUILDING PANELS

(51) International classification	:B27C9/04
(31) Priority Document No	:0901054-7
(32) Priority Date	:31/07/2009
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2010/050796
Filing Date	:08/07/2010
(87) International Publication No	:WO 2011/014113
	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)PERVAN, DARKO**  
**2)BOO, CHRISTIAN**  
**3)BERGELIN, MARCUS**

(57) Abstract :

The present invention relates to a tool configuration 68, 68' incorporating a preprocessing step 67, 67' and a method incorporating the tool configuration with its preprocessing step, producing an improved locking system of a floor panel 1, 1'. With the special tool configuration, and the preprocessing step changing the properties of the surface layer, certain surfaces are profiled of the joint edge of the floor panel, resulting in decreased tolerances. The present invention relates further to an equipment having an upper belt or chain guided in a horizontal direction, by an upper guiding device, and configured to press the floor panel vertically towards the lower chain, decreasing the tolerances of the produced floor panel as well.

No. of Pages : 71 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.871/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :25/01/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : DIGITAL RIGHTS MANAGEMENT (DRM) METHOD AND EQUIPMENT IN SMALL AND MEDIUM ENTERPRISE (SME) AND METHOD FOR PROVIDING DRM SERVICE

(51) International classification	:H04L9/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/CN2009/000805
Filing Date	:17/07/2009
(87) International Publication No	:WO 2011/006282 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)ZHIYUAN HU**  
**2)WEN WEI**  
**3)XIAORONG JIN**  
**4)ZHIGANG LUO**

(57) Abstract :

The present invention proposes a method for providing the user with the customized DRM software by the service provider, wherein a universal DRM system is installed and operated in said service provider, and a standard DRM software template is as well stored in said service provider, when the user makes a request for customizing DRM software to the service provider, a customized DRM software is generated from the standard DRM software template and a universal Rights Object of this use is generated; then the customized DRM software and the universal Rights Object are sent to this user. The customized DRM software operates in the user's system containing at least one client and server. A client utilizes the information associated with said one client to decrypt a customized Rights Object which is associated with the protected content and directed to said one client when it is about to access the protected file within the system; and accesses the protected file according to the decrypted customized Rights Object; wherein said customized Rights Object is generated according to the customized Rights Object template of the user's customized DRM software. A new service conception is therefore realized, that is, operators/service providers provide SMEs with DRM service to safely manage their proprietary files. Under such service, a layered DRM structure is accomplished, that is, the customized DRM software is protected by the universal DRM system and universal Rights Object operated by the service provider. In addition, the customized DRM software is produced by tailoring the standard DRM software template, it is small and light weight.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8711/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :24/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD AND DEVICE FOR DETERMINING REFLECTION COEFFICIENTS ON THIN LAYERS

(51) International classification :G01N 21/25  
(31) Priority Document No :10 2009 019 711.7  
(32) Priority Date :05/05/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/002752  
Filing Date :05/05/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**2)Günther PROLL**  
**3)Florian PR-LL**

(57) Abstract :

The invention relates to a method for determining optical properties by measuring intensities on a thin layer, wherein light is irradiated onto a carrier (105) that has said thin layer and that is at least partially transparent. Interferences on the at least one thin layer are measured as the relative intensity of at least one superposition wave, optionally using filter arrangements (113, 115, 117) provided for this purpose, whereupon the reflection coefficient(s) and/or the transmission coefficient(s) from the reflection and/or the transmission on the thin layer are determined. Preferably, the intensity of at least two superposition waves is measured. The light may be irradiated directly onto the carrier. The invention also relates to a device for determining optical properties by measuring intensities on a thin layer, said device comprising an analysis unit which stores at least one lookup table. The method and the device are preferably used in the area of homeland security.

No. of Pages : 58 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8704/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :24/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : MULTI-LATCH RELEASE MECHANISM

(51) International classification :E05B 65/46

(31) Priority Document No :12/479,669

(32) Priority Date :05/06/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/034993

Filing Date :14/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**1)MICHAEL RAHILLY**

(57) Abstract :

A drawer that includes a container and a slide assembly is disclosed. The container includes a receptacle and a lid. The slide assembly includes a slider configured to move laterally along a longest axis of the slider and an actuator coupled to the slider having a detent contact area. When the slider is moved in a first direction along the axis the actuator is placed into a first orientation relative to a latch in which the detent contact area of the actuator is configured to engage the detent of a latch. When the actuator is coupled with the detent of the latch and the slider is moved in a second direction opposite the first direction the actuator is placed into a second orientation relative to the latch.

No. of Pages : 30 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8705/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEMS AND METHODS TO PROVIDE FLOW CONTROL FOR MOBILE DEVICES

(51) International classification :H04W 28/22

(31) Priority Document No :61/185,049

(32) Priority Date :08/06/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/037819

Filing Date :08/06/2010

(87) International Publication No : NA

(61) Patent of Addition to Application  
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**1)HO Sai Yiu Duncan**

**2)MAHESHWARI Shailesh**

(57) Abstract :

Systems methods and apparatuses are disclosed to facilitate wireless communications. User equipment (UE) such as a mobile device identifies data congestion and transmits a recommended data rate modification wireless signal (e.g. a recommended reduced data rate) to the base station that is transmitting data to the UE. The base station may reduce the data rate of the down link (DL) to the reduced data rate. The UE may then receive data from the base station at the reduced data rate. Therefore flow control may be implemented at the base station side (e.g. sometimes referred to as the Network (NW) side) based upon the reduced data rate modification determined and transmitted by the UE to the base station. In this way the data rate transmission to the UE can be reduced to allow the UE to successfully process received data and successfully perform its functions.

No. of Pages : 40 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8706/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : SERVICE SEARCH BASED ON BATTERY CHARGER

(51) International classification :H04W 52/02

(31) Priority Document No :12/479,234

(32) Priority Date :05/06/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/037597

Filing Date :07/06/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**1)DESHPANDE Yogen Nandkumar**

**2)UMATT Bhupesh Manoharlal**

(57) Abstract :

Aspects describe modifying a service search pattern based on whether a device battery is being charged (504) or is not being charged (504) (e.g. is connected to a battery charger or not connected to a battery charger). A power conservative search pattern can be utilized (508) if the battery is not being charged. If the battery is being charged the search pattern can be an aggressive search pattern (506). Further the search pattern can change if there is a change in whether the battery is being charged (706). The rate of charging the battery a current battery level amount of power consumed during the search and/or the power being input by the battery chargers can be utilized to select and/or modify a network search pattern. Further a user can select or change a search pattern through interaction with a user interface.

No. of Pages : 49 No. of Claims : 25



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8708/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :24/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEM AND METHOD FOR CHANNEL-ADAPTIVE ERROR-RESILIENT BURST MODE TRANSMISSION

(51) International classification	:H04L1/00
(31) Priority Document No	:12/482,449
(32) Priority Date	:10/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/036122
Filing Date	:26/05/2010
(87) International Publication No	:WO 2010/144254 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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(72)**Name of Inventor :**  
**1)ADRIAAN J. DE LIND VAN WIJNGAARDEN**

(57) Abstract :

In a passive optical network, an upstream transmission rate from an ONT to an OLT can be optimized by-matching a transmission scheme for a channel to the upstream transmission characteristics of the channel. An FEC coding can be made channel dependent so that channels with low error rates can use minimal protection, and therefore minimal overhead, while channels with high input bit error rates can use the level of FEC coding required to produce a desired output bit error rate.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8729/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR UPLINK SYNCHRONIZATION CONTROL

(51) International classification :H04W56/00  
(31) Priority Document No :200910083788.6  
(32) Priority Date :11/05/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/072621  
Filing Date :11/05/2010  
(87) International Publication No :WO 2010/130196 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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**2)LI, GUOQING**  
**3)ZHAO, YI**  
**4)LIU, JIAMIN**  
**5)ZHAO, YALI**  
**6)XU, FANGLI**

(57) Abstract :

The present invention discloses a method for uplink synchronization control, wherein network side and a user equipment (UE) maintain a timing alignment timer (TAT) for the UE, and maintain an uplink transmission timing adjustment amount for uplink component carriers, and the method includes following steps: the network side measuring uplink component carriers of the UE, and obtaining an uplink transmission TA amount of the uplink component carriers; and before the TAT expires, the network side transmitting to the UE an adjustment command comprising information of the uplink transmission TA amount for at least one of the uplink component carriers of the UE. Also disclosed in the embodiments of the present invention are a method for uplink synchronization control at the UE side, and a base station and a UE for implementing the above methods. The solution of the present invention enables accurate adjustment of the uplink synchronization for each component carrier in a carrier aggregation mechanism.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8712/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :24/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : CONNECTION MANAGER FOR A WIRELESS COMMUNICATION DEVICE

(51) International classification :H04W 88/06

(31) Priority Document No :61/182,986

(32) Priority Date :01/06/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/036858

Filing Date :01/06/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**1)WIETFELDT Richard D.**

**2)ZHANG Dongan**

(57) Abstract :

Techniques for supporting communication for a wireless device are described. In an aspect an embedded connection manager may reside within a radio subsystem and support communication for the wireless device. The connection manager may receive at least one connection request sent by at least one application select at least one radio for use and provide the selected radio(s) to the application(s). In another aspect communication may be supported using multiple radios. M out of N available radios may be selected for use and K applications may be mapped to the M selected radios where  $M > 1$   $N > 1$  and  $K = 1$ . In yet another aspect communication may be supported using profiles which may define the operation of the wireless device to obtain connectivity. In yet another aspect communication may be supported with auxiliary services which are services that assist the wireless device to obtain connectivity.

No. of Pages : 54 No. of Claims : 64

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8717/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : AN INTERMEDIATE OF ERTAPENEM&NBSP; A COMPOSITION COMPRISING THE SAME AND PREPARATION METHODS THEREOF•

(51) International classification :C07D 477/20  
(31) Priority Document No :200910136995.3  
(32) Priority Date :30/04/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/000607  
Filing Date :30/04/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
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**4)ZHAO Xuebin**  
**5)LV Jian**  
**6)YU Xiuqin**

(57) Abstract :

Intermediates of Ertapenem of formula 2a wherein Np represents (I) or (II) and P1 and P2 represent carboxyl protecting groups and their preparation methods. Compound 2a prepared by the present methods in solid form is amorphous. The present invention also relates to a composition comprising at least 95% of the intermediate of Ertapenem of formula 2a.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.872/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :25/01/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : CODEBOOK RESTRUCTURE, DIFFERENTIAL ENCODING/DECODING AND SCHEDULING

(51) International classification :H04W24/08  
(31) Priority Document No :12/806,184  
(32) Priority Date :06/07/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/CA2010/001046  
Filing Date :06/07/2010  
(87) International Publication No :WO 2011/063496 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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**2)MO-HAN FONG**  
**3)HOSSEIN NIKOPOURDEILAMI**

(57) Abstract :

A method and apparatus for feedback of channel information characterizing a wireless transmission between a base station and a mobile station over a communications channel. The method involves, at the base station, receiving a primary identifier identifying a cluster associated with a channel response generated by a mobile station, receiving a differential identifier identifying channel response member within the cluster identified by the primary identifier, and locating in a codebook of predetermined channel responses a predetermined channel response identified by the primary identifier and the differential identifier. The predetermined channel responses in the codebook are grouped in a plurality of clusters in accordance with a correlation criterion, each cluster including a plurality of predetermined channel response members. The method also involves generating a control signal for controlling transmissions to the mobile station in accordance with the located predetermined channel response. The method also involves, at the mobile station, determining a channel response for at least one carrier frequency received at the mobile station, and locating in a codebook of predetermined channel responses a predetermined channel response that is a closest match to the determined channel response, causing the mobile station to transmit a primary identifier identifying a cluster associated with the located predetermined channel response to the base station, and causing the mobile station to transmit a differential identifier identifying the located predetermined channel response member within the cluster identified by the primary identifier.

No. of Pages : 64 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8745/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : COMPUTER-ASSISTED METHOD FOR OPTIMISING SURFACES OF COMPOSITE MATERIAL STRUCTURES

(51) International classification	:G06F 17/50
(31) Priority Document No	:ES 200901214
(32) Priority Date	:13/05/2009
(33) Name of priority country	:Spain
(86) International Application No	:PCT/ES2010/070318
Filing Date	:12/05/2010
(87) International Publication No	:WO 2010/130863 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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(72)Name of Inventor :

**1)ANTONIO NAVARRO LUNA**

**2)JOSE VALERIANO LATORRE**

(57) Abstract :

Computer-assisted method for optimising surfaces of composite-material structures as part of a design process that includes the following stages: a) Providing a multi-cell surface (11) of the structure obtained using aerodynamic calculations; b) Transforming said multi-cell surface (11) into an optimised surface (13) with fewer cells, concatenating contiguous cells and maintaining point and tangent continuity between them; c) Using said optimised surface (13) as geometric master when designing the components of the structure. The method is particularly applicable to the design of structures with a plurality of components and in particular fuselages of aircraft made of composite material. The invention also relates to a computer program for performing the method.

No. of Pages : 15 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8733/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD FOR TRANSMITTING PERIODIC MESSAGES

(51) International classification	:H04L12/403
(31) Priority Document No	:0952861
(32) Priority Date	:30/04/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/050777
Filing Date	:23/04/2010
(87) International Publication No	:WO 2010/125284
	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)SOLLIER, VINCENT**

(57) Abstract :

The invention relates to a method for transmitting from a computer messages to each of which a transmission period (V9) is associated, distributing the messages in time windows of predetermined periodicity (V1 ) such that each transmission period is an integral multiple (V9/V1)of the periodicity, In said method the messages are placed in windows which are selected with time lags relative to an initial window so as to avoid or reduce collisions with messages transmitted by another computer or with messages present on the network

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8759/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : PACKAGING UNIT OF AN INSULATING MATERIAL PRODUCT

(51) International classification :B65D 71/00  
(31) Priority Document No :20 2009 006 441.7  
(32) Priority Date :05/09/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/DE2009/001702  
Filing Date :28/11/2009  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)**Name of Inventor :**  
**1)NIES Klaus-Dieter**

(57) Abstract :

The invention relates to a packaging unit of an insulating material and in particular of high-temperature wool preferably formed from a mineral fibrous raw material and of a wrapper (6) made of a foil (6) or the like. To create a packaging unit (1) for which significantly less space is needed for transport and storage without destroying the inner fiber structure thereby incurring enormous cost savings particularly transport costs an elongated insulating material (2) is rolled up into a bale (3) having straight long sections (4) and round short sections (5).

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8760/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : MAGNETIC FLOWMET R FOR MEASURING FLOW•

(51) International classification	:G01F 1/58
(31) Priority Document No	:12/434,869
(32) Priority Date	:04/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/032484
Filing Date	:27/04/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**  
**1)FOSS Scot R.**  
**2)SCHULZ Robert K.**

(57) Abstract :

A magnetic flowmeter (102) for measuring flow of a flow of process fluid includes a flow tube (108) arranged to receive the flow of process fluid therethrough. A magnetic drive coil (122) proximate the flow tube (108) is arranged to apply a magnetic field to the flow in response to a drive signal. At least one electrode (124) is arranged to sense an electrical potential of the process fluid which related to the applied magnetic field and flow rate of the process fluid. Temperature measurement circuitry (180) is coupled to the magnetic drive coil (122) and is configured to provide a temperature output indicative of temperature of the drive coil (122) based upon an electrical parameter of the drive coil (122). Flow measurement circuitry (148) coupled to the at least one electrode (124) is configured to provide a flow output based upon sensed electrical potential.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8761/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : POWER SUPPLY WITH DYNAMIC INPUT CURRENT SUPPRESSION•

(51) International classification :H02M 3/158

(31) Priority Document No :61/222,20

(32) Priority Date :01/07/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/EP2010/055702

Filing Date :28/04/2010

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)Name of Inventor :

**1)H-RMAN Johan**

**2)LINDMAN Per**

(57) Abstract :

A power supply is described which comprises a first stage DC-to-DC voltage conversion block (100) and a second stage voltage conversion block (200) having a feedback circuit to regulate the output voltage (Vout) thereof so as to reduce changes in the output voltage as the output current (Iout) drawn by a load changes. The power supply also includes a capacitor (400) connected between the first and second stage voltage conversion blocks (100 200) no supply current to the second stage voltage conversion block (200) when the input voltage (Vint) to ...

No. of Pages : 23 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8762/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : TECHNIQUES FOR ROUTING DATA BETWEEN NETWORK AREAS

(51) International classification :H04L12/28  
(31) Priority Document No :12/483,690  
(32) Priority Date :12/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/037733  
Filing Date :08/06/2010  
(87) International Publication No :WO 2010/144418 A1  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
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**1)UNBEHAGEN, PAUL**  
**2)LAPUH, ROGER**

(57) Abstract :

Techniques for routing data between network area are disclosed. In one particular exemplary embodiment, the techniques may be realized as a method for routing data between layer 2 network areas of backbone bridges comprising the steps of receiving data at a network element containing an internally terminated Network to Network Interface (NNI) for a plurality of network areas, identifying a destination address associated with the data, determining a network area of the plurality of network areas associated with the data, and performing one or more data flow treatments associated with the data using the internally terminated Network to Network Interface (NNI).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.877/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/01/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : STEREOSCOPIC IMAGE DISPLAY SYSTEM, DISPARITY CONVERSION DEVICE, DISPARITY CONVERSION METHOD AND PROGRAM

(51) International classification	:H04N13/00
(31) Priority Document No	:P2010-129507
(32) Priority Date	:07/06/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/061972
Filing Date	:25/05/2011
(87) International Publication No	:WO 2011/155330
	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)SUGURU USHIKI**

(57) Abstract :

Disparity in a stereoscopic image is converted, according to features of a configuration element of an image that influences depth perception of a stereoscopic image. A disparity detecting unit 110 detects disparity from a left image L and right image R of an input image, and generates a disparity map dM. A disparity correction unit 150 corrects the disparity in the disparity map dM and generates a corrected disparity map dM'. A correction feature setting unit 130 sets the correction features in the event of performing disparity correction in the disparity correction unit 150. The image synthesizing unit 160 synthesizes the left image L and right image R of the stereoscopic image based on the corrected disparity map dM' and outputs the stereoscopic image made up of a left image L' and right image R' as an output image. Thus, a stereoscopic image having disparity according to the set correction features is output. The correction features therein are set according to the degree that the configuration element features such as size of disparity, position on screen, manner of special change and so forth influence the depth perception.

No. of Pages : 86 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8773/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : AN ELECTROCHEMICAL PROCESS TO PREPARE CHEMICALS USING A CYANIDE SALT•

(51) International classification :C25B 1/22  
(31) Priority Document No :09162119.3  
(32) Priority Date :05/06/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/057788  
Filing Date :03/06/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**3)VOLMER Arie**  
**4)BOONSTRA Tjerk Oedse**  
**5)REICHWEIN Adrianus Maria**

(57) Abstract :

The present invention relates to a process comprising the reaction of a cyanide with a hydrogen cyanide-reactive compound characterized in that the cyanide is a cyanide salt and the process is an electrochemical process involving the transporting of a reaction mixture to which cyanide salt has been added through an electrochemical cell in which process the cyanide salt reacts with the hydrogen cyanide-reactive compound while at least partly under the influence of an electric current the cyanide salt is acidified and the salt cation content is reduced.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8775/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : MOBILE COMMUNICATION SYSTEM, BASE STATION APPARATUS, MOBILE STATION APPARATUS, AND MOBILE COMMUNICATION METHOD

(51) International classification	:H04W72/04
(31) Priority Document No	:2009-125928
(32) Priority Date	:26/05/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/058179
Filing Date	:14/05/2010
(87) International Publication No	:WO 2010/137469
	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)YAMADA, SHOHEI**

**3)SUZUKI, SHOICHI**

(57) Abstract :

This invention provides a mobile communication system and method taking into account a method for designating the resources to be used for mapping the control signal of HARQ performed by a base station apparatus. In the mobile communication system, the base station apparatus and a mobile station apparatus communicate using a plurality of component carriers. The base station apparatus sets a single downlink component carrier for the mobile station apparatus and allocate, to the mobile station apparatus, a plurality of physical downlink shared channels by using a plurality of physical downlink control channels, which are mapped on the set downlink component carrier in the same subframe. The mobile station apparatus is designated, by the base station apparatus, a plurality of physical uplink control channels corresponding to the respective ones of the plurality of physical downlink control channels mapped on the set downlink component carrier, on a single uplink component carrier that corresponds to the set downlink component carrier.

No. of Pages : 99 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.878/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/01/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : ELECTRONIC APPARATUS, CONTROL METHOD, PROGRAM, AND IMAGE-CAPTURING SYSTEM

(51) International classification	:H04N5/225
(31) Priority Document No	:2009-181679
(32) Priority Date	:04/08/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/062561
Filing Date	:27/07/2010
(87) International Publication No	:WO 2011/016358
	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)KEIICHI KURODA**

(57) Abstract :

The present invention relates to, for example, an electronic apparatus, a control method, and a program that are capable of realizing an image-capturing system that is more intelligent than existing systems and useful for the user, and to the image-capturing system. The image-capturing system includes a digital still camera 1 including an image-capturing unit that performs image capture so as to obtain a captured image, and a tripod head 10 that changes the field of view of the image-capturing unit by driving a movable mechanism. The tripod head 10 outputs a signal in accordance with the movement of the tripod head 10 from a stationary state, and the digital still camera 1 determines whether or not movement from the stationary state has occurred on the basis of the input signal, and performs predetermined control on the basis of the determination result. The present invention can be applied to an image-capturing system that is constituted by, for example, a digital still camera and a tripod head.

No. of Pages : 116 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8784/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : CATALYTIC GASIFICATION OF ORGANIC MATTE IN SUPERCRITICAL WATER•

(51) International classification :C10J 3/00  
(31) Priority Document No :61/179,770  
(32) Priority Date :20/05/2009  
(33) Name of priority countr :U.S.A.  
(86) International Application No :PCT/IL2010/000403  
Filing Date :20/05/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)Name of Inventor :  
**1)EPSTEIN Michael**  
**2)KRIBUS Abraham**  
**3)BERMAN Alexander**

(57) Abstract :

The present invention discloses a catalyst system comprising at least one metal and an oxide support said oxide support comprising at least one of Al<sub>2</sub>O<sub>3</sub> Mn<sub>x</sub>O<sub>y</sub> MgO ZrO<sub>2</sub> and La<sub>2</sub>O<sub>3</sub> or any mixtures thereof; said catalyst being suitable for catalyzing at least one reaction under supercritical water conditions. The present invention also provides a system for producing a high-pressure product gas under super-critical water conditions. The system comprises a pressure reactor accommodating a feed mixture of water and organic matter; a solar radiation concentrating system heating the pressure reactor and elevating the temperature and the pressure of the mixture to about the water critical temperature point and pressure point or higher. The reactor is configured and operable to enable a supercritical water process of the mixture to occur therein for conversion of the organic matter and producing a high-pressure product fuel gas.

No. of Pages : 48 No. of Claims : 35



(54) Title of the invention : METHOD AND APPARATUS FOR IMPROVED UPSTREAM FRAME SYNCHRONIZATION IN A PASSIVE OPTICAL NETWORK

(51) International classification	:H04J3/16	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/482,435	<b>1)ALCATEL LUCENT</b>
(32) Priority Date	:10/06/2009	Address of Applicant :3, AVENUE OCTAVE GREARD, F-
(33) Name of priority country	:U.S.A.	75007 PARIS France
(86) International Application No	:PCT/US2010/037672	(72) <b>Name of Inventor :</b>
Filing Date	:08/06/2010	<b>1)DUSAN SUVAKOVIC</b>
(87) International Publication No	:WO 2010/144382 A1	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In a passive optical network, upstream transmission frames from an ONU to an OLT can include additional delimiters that assist in overcoming high signal distortion at the beginning of the frame that can obscure an initial frame delimiter. The second delimiter can be inserted into the frame at various locations within the frame known to the OLT such that the OLT can active a delimiter detector at the beginning of a timing window for delimiter detection. The ONU can assist the OLT in synchronizing the frame by ensuring that a frame header immediately follows a second delimiter or appears at the start of a first FEC code block following the second delimiter. Depending on where the ONU inserts the second delimiter in the frame generation process, the second delimiter may be scrambled and/or may form part of the FEC.

No. of Pages : 36 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8787/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEM FOR CHANNEL-ADAPTIVE ERROR-RESILIENT TRANSMISSION TO MULTIPLE TRANSCEIVERS

(51) International classification	:H04L1/00
(31) Priority Document No	:12/482444
(32) Priority Date	:10/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/036356
Filing Date	:27/05/2010
(87) International Publication No	:WO 2010/144264 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)ADRIAAN J. DE LIND VAN WIJNGAARDEN**

(57) Abstract :

In a passive optical network, a downstream transmission rate from an OLT to multiple ONTs can be optimized by matching a transmission scheme for frames addressed to a channel to the downstream transmission characteristics of the channel. An FEC coding can be made channel dependent so that channels with low error rates can use minimal protection, and therefore minimal overhead, while channels with high input bit error rates can use the level of FEC coding required to produce a desired output bit error rate.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8807/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : SPECTRAL MANAGEMENT SYSTEM

(51) International classification	:H04R 3/14
(31) Priority Document No	:61/174,837
(32) Priority Date	:01/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/033230
Filing Date	:30/04/2010
(87) International Publication No	:WO/2010/127283
(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)DOUGLAS K HOGUE**  
**2)RYAN J MIHELICH**  
**3)JEFFREY TACKETT**

(57) Abstract :

A spectral management system may be used in an audio system to receive and process audio signals having multiple distributed audio channels, such as a right, left, center, right side, left side, right rear and left rear channels. The spectral management system may separate and route a frequency range of audio content included in one or more of the distributed audio channels to other distributed audio channels. The separated and routed frequency range of audio content may be combined with audio content present on the other distributed audio channels to which the separated frequency range of audio content is routed. Separation, routing and combination may include bass audio content routing, mid-bass audio content routing, subwoofer audio content routing and treble audio content routing.

No. of Pages : 52 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8808/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : PRESSURE TRANSMITTER FOR USE IN INDUSTRIAL PROCESS CONTROL SYSTEM•

(51) International classification	:G01L 9/00
(31) Priority Document No	:12/478,174
(32) Priority Date	:04/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/037162
Filing Date	:03/06/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**2)BRODEN David A.**  
**3)SITTLER Fred C.**

(57) Abstract :

A pressure transmitter (10) for measuring a pressure of a process fluid in an industrial process includes a pressure sensor (16) having an output related to an applied pressure. Measurement circuitry (18 20) coupled to the pressure sensor (16) is configured to provide a transmitter output related to sensed pressure. A pressure coupling face (60) having an opening (48 52) therein is arranged to transfer the applied pressure to the pressure sensor (16). A pressure coupling flange (13) having a flange face (62) abutting the pressure coupling face (60) is configured to convey the process fluid to the opening (48 50) of the pressure coupling face (60). Features are provided to control distribution of a loading force across the pressure coupling face and the flange face.

No. of Pages : 20 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8809/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : WIND POWER SYSTEM FOR GENERATING ELECTRIC ENERGY•

(51) International classification	:F03D 11/00
(31) Priority Document No	:MI2009A 000725
(32) Priority Date	:29/04/2009
(33) Name of priority country	:Italy
(86) International Application No	:PCT/EP2010/055860
Filing Date	:29/04/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

**1)CASAZZA Matteo**

**2)SCHWARZ Martin**

(57) Abstract :

A wind power system (1) having a tower (2); a nacelle (3) fitted to the tower (2) to rotate about a first axis (A1); a hub (4) fitted to the nacelle (3) to rotate about a second axis (A2); and at least one blade (6) fitted to the hub (4) to rotate about a third axis (A3); and wherein an elastic conducting member is connected to the blade (6) and the nacelle (3) to connect the blade (6) electrically to the nacelle (3).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.881/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/01/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : SOLAR CELL MODULE

(51) International classification	:H01L 31/04
(31) Priority Document No	:2009-178320
(32) Priority Date	:30/07/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/062929
Filing Date	:30/07/2010
(87) International Publication No	:WO 2011/013814
	A2
(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 :**  
**1)TAIRA, SHIGEHARU**  
**2)YOSHIMINE, YUKIHIRO**  
**3)KANNOU, HIROYUKI**  
**4)TABE, TOMONORI**

(57) Abstract :

[Object] To provide a solar cell module capable of reducing the formation of cracks in solar cells by providing finger electrodes on a rear side opposite to front-side finger electrodes. [Solution] In the solar cell module including a plurality of solar cells interconnected with wiring members, each of the solar cells includes a plurality of front-side finger electrodes 110 that are disposed on a light-receiving surface of the solar cell and connected with tabs and a plurality of rear-side finger electrodes 120 that are disposed on a rear surface of the solar cell and connected with tabs. Rear-side auxiliary electrode sections 120b are arranged in regions, which is wider than the front-side finger electrodes 110, on the rear surface opposite to regions where the front-side finger electrodes are present.

No. of Pages : 88 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8815/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : PROCESS AND APPARATUS FOR THE ELECTROLYSIS OF AN AQUEOUS SOLUTION OF HYDROGEN CHLORIDE OR ALKALI CHLORIDE IN AN ELECTROLYTIC CELL

(51) International classification	:B01D	(71)Name of Applicant :
(31) Priority Document No	:10 2009 023 539.6	<b>1)Messer Group GmbH</b>
(32) Priority Date	:30/05/2009	Address of Applicant :Otto-Volger-Str. 3c 65843 Sulzbach
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2010/003253	<b>2)Messer Austria GmbH</b>
Filing Date	:28/05/2010	<b>3)Bayer Material Science AG</b>
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application	:NA	<b>1)BACHLEITNER Walter</b>
Number	:NA	<b>2)ERDMANN Christoph</b>
Filing Date	:NA	<b>3)ROHOVEC Joachim</b>
(62) Divisional to Application Number	:NA	<b>4)BULAN Andreas</b>
Filing Date	:NA	<b>5)WEIS Mathias</b>

(57) Abstract :

In a process for chlorine-alkali electrolysis use is made of an oxygen depletion cathode. The process is run with a high excess of oxygen. The oxygen needed for this is provided for a device of the gas separation for example a VPSA plant or an air fractionation plant. The large quantities of oxygen produced lead to considerable costs of the process. According to the invention the oxygen-rich atmosphere remaining after passing through the process is fed back into the device for gas separation as input gas. The device the gas separation is therefore operated with an oxygen-rich input gas and therefore produces a larger quantity of oxygen-rich gas which in turn is fed to the oxygen depletion cathode. As a result of the circulation of the gas the economy of the overall process is increased considerably.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8816/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : PACKAGING MATERIAL COMPRISING MAGNETISABLE PORTIONS

(51) International classification	:B65D	(71)Name of Applicant :
(31) Priority Document No	:0900727-9	<b>1)Tetra Laval Holdings &amp; Finance S.A.</b>
(32) Priority Date	:29/05/2009	Address of Applicant :Avenue Gnral-Guisan 70 CH-1009
(33) Name of priority country	:Sweden	Pully Switzerland
(86) International Application No	:PCT/SE2010/000129	(72)Name of Inventor :
Filing Date	:10/05/2010	<b>1)NILSSON Tommy</b>
(87) International Publication No	: NA	<b>2)BERGHOLTZ Lars</b>
(61) Patent of Addition to Application	:NA	<b>3)KLINT Ann-Charlotte</b>
Number	:NA	<b>4)ULVROS Istvan</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A packaging material comprising a plurality of magnetisable portions thereon is disclosed. The magnetisable portions are provided as at least one spot per package to be formed from the packaging material. The spots comprise magnetisable particles being magnetised within an area of said spot that is slightly less than the total area of said spot.

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



(54) Title of the invention : METHOD AND MANIFOLD FOR CARRYING REDUCED MOMENT DUE TO DIMENSIONAL CHANGE IN PRESSURE VESSEL; REMOVABLE INSERT WITH VALVE SEAT, PRESSURE ASSISTED VALVE ARRANGEMENT AND METHOD

(51) International classification :B01D 53/047  
 (31) Priority Document No :NA  
 (32) Priority Date :NA  
 (33) Name of priority country :NA  
 (86) International Application No :PCT/US2010/040005  
     Filing Date :25/06/2010  
 (87) International Publication No : NA  
 (61) Patent of Addition to Application Number :NA  
     Filing Date :NA  
 (62) Divisional to Application Number :NA  
     Filing Date :NA

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**1)LOMAX, FRANKLIN D**  
**2)ABRAMOWITZ, HOWARD**  
**3)MCCULLOUGH, EDWARD T.**

(57) Abstract :

A pressure swing adsorption system includes a pressure vessel, a nozzle plate coupled to the vessel and sealed with respect to the pressure vessel, a backing plate that supports the nozzle plate, and a manifold including a plenum cavity and coupled to the nozzle plate via a neck such that the plenum cavity is in fluid communication with an interior of the pressure vessel. The neck is sealed with respect to the nozzle plate via a movable sealing surface. A method is provided in which pressure from the plenum cavity assists in closing valve coupled to the manifold. A removable insert is provided to the manifold to provide a removable sealing surface against which the valve closes.

No. of Pages : 41 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8796/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : ME HOD FOR PERFORMING A BANDWIDTH REQUEST PROCEDUR &NBSP; AND  
TERMINAL APPARATUS FOR SAME•

(51) International classification :H04W 72/04  
(31) Priority Document No :61/180,924  
(32) Priority Date :25/05/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/KR2010/003286  
Filing Date :25/05/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**1)CHO Hee Jeong**  
**2)YUK Young Soo**  
**3)RYU Ki Seon**  
**4)KIM Jeong Ki**

(57) Abstract :

The present document describes a method in which a terminal performs a bandwidth request procedure when a single terminal makes a bandwidth request for a plurality of flows. The present document also describes an improved bandwidth request header. When the terminal is allocated with an uplink resource for the transmission of a bandwidth request header from a base station during the bandwidth request procedure the terminal may notify the base station using a bandwidth request header indicating a bandwidth size of zero that it has no data for which a bandwidth request is to be made to the base station if the terminal has no data for which a bandwidth request is to be made to the base station.

No. of Pages : 53 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8818/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : FREQUENCY-BASED TRANSACTION PREDICTION AND PROCESSING

(51) International classification :G06Q50/00

(31) Priority Document No :61/175,381

(32) Priority Date :04/05/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/033556

Filing Date :04/05/2010

(87) International Publication No :WO 2010/129555 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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**2)SIEGEL, KEVIN P.**

**3)HAMMAD, AYMAN**

(57) Abstract :

Methods, apparatus, and systems are provided for tracking and analyzing data of consumer activity. The tracked data can be organized (e.g. as stored in cache, RAM, hard drives) in certain types of tables, where the tables can be associated with certain tags (keys) for efficiently accessing the data. The organization and associations of the data can also provide simple mechanisms for manipulating the data to obtain results specifically relevant for a task, such as detection of fraud or prediction of consumer behavior to provide better customer service or new services. For example, the tables may contain counters that store the number of times that two correlated consumer events occur within specific time intervals of each other. Such time data can provide efficient determination of patterns of consumer activity. As examples, the patterns can be used to predict and pre-authorize future transactions, and to authorize a current transaction.

No. of Pages : 112 No. of Claims : 70

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8822/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : CORONA TIP INSULATOR

(51) International classification :H01T 19/00

(31) Priority Document No :61/175,111

(32) Priority Date :04/05/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/033526

Filing Date :04/05/2010

(87) International Publication No :WO 2010/129535 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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**2)PERMUY, ALFRED**

(57) Abstract :

This invention relates to a corona discharge ignitor used to ignite air/fuel mixtures in automotive applications and the like. To suppress an arc from forming when a voltage is applied to the ignitor, the corona discharge ignitor has various shapes and configurations, such as angular depressions or grooves, at the tip of the insulator. The shape and configuration of the tip provides a small radius which creates a more intensified electric field and provides better combustion.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8825/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : WIND TURBINE COMPOSITE STRUCTURES

(51) International classification	:B32B5/28
(31) Priority Document No	:0914960.0
(32) Priority Date	:27/08/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/051424
Filing Date	:27/08/2010
(87) International Publication No	:WO 2011/024009 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)VESTAS WIND SYSTEMS A/S**

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(72)Name of Inventor :

**1)APPLETON, STEVE**

(57) Abstract :

A wind turbine composite structure for absorbing radio frequency energy, the wind turbine composite structure comprising: a sandwich panel construction comprising a core having an inner surface and an outer surface, disposed between an inner skin and an outer skin; the outer surface and the outer skin facing towards an exterior surface of the wind turbine composite structure and the inner surface and the inner skin facing towards an interior of the wind turbine composite structure; a reflector layer disposed adjacent to the inner skin; and a functional layer comprising printed or deposited circuitry, the functional layer forming a radar absorbing circuit in combination with the reflector layer, wherein the functional layer is printed or deposited directly on to the outer surface of the core.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8817/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : MAGNETISABLE INK

(51) International classification :C09D 11/00

(31) Priority Document No :0900725-3

(32) Priority Date :29/05/2009

(33) Name of priority country :Sweden

(86) International Application No :PCT/SE2010/000120

Filing Date :04/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**2)BERNTSSON Martin**

**3)ERIKSON Fredrik**

(57) Abstract :

A magnetisable ink suitable for a packing material for forming food packages is disclosed. The ink comprises magnetisable particles; a solvent; and a binder.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8832/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : RETAINING DEVICE, PARTICULARLY FOR DRINK CONTAINERS

(51) International classification	:B60N3/10
(31) Priority Document No	:10 2009 023 360.1
(32) Priority Date	:29/05/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/002970
Filing Date	:14/05/2010
(87) International Publication No	:WO 2010/136130
	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)ADLER, HANS-JOACHIM**  
**2)REMMERT, MARTIN**

(57) Abstract :

The invention relates to a retaining device, particularly for drink containers, which is arranged in a storage compartment (2) of the interior trim of a motor vehicle and which has a pivotably mounted retaining bracket (8) which can be displaced between a non-use position and a use position in which the retaining bracket (8) at least partially bounds a drink container compartment in the storage compartment (2). According to the invention, the retaining bracket (8) is mounted rotatably with in particular an approximately horizontally running pivot axis (10) on two opposite side walls (3, 4) of the storage compartment (2).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8837/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEM, APPARATUS AND METHODS FOR INTERFERENCE MANAGEMENT ON DOWNLINK CHANNELS IN WIRELESS COMMUNICATION SYSTEMS

(51) International classification :H04W72/12  
(31) Priority Document No :61/180,800  
(32) Priority Date :22/05/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/033928  
Filing Date :06/05/2010  
(87) International Publication No :WO 2010/135089 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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(72)Name of Inventor :  
**1)RITESH K. MADAN**  
**2)ASHWIN SAMPATH**  
**3)SAURABH R TAVILDAR**

(57) Abstract :

Systems, methods, apparatus and computer program products to facilitate determining nominal interference from one or more interfering base stations are provided. In one embodiment, the method can include computing a nominal interference. The method can also include transmitting the nominal interference to one or more interfering base stations. The nominal interference can be transmitted to at least one of the one or more interfering base stations to compute a loss in transmission rate to a user equipment in a selected cell if at least one of the one or more interfering base stations transmits over a same set of resources on which the user equipment in the selected cell receives information.

No. of Pages : 133 No. of Claims : 72



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8838/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : DOSE SETTING MECHANISM FOR A DRUG DELIVERY DEVICE

(51) International classification	:A61M
(31) Priority Document No	:61/182,853
(32) Priority Date	:01/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/057489
Filing Date	:28/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
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am Main Germany  
(72)**Name of Inventor :**  
**1)PLUMPTRE David**

(57) Abstract :

A dose setting mechanism (4) of a drug delivery device (1) and a respective method of assembling said dose setting mechanism (4). The dose setting mechanism (4) includes an inner housing (300) having a helical groove (302) along an external surface (304) of the housing (300). The inner housing (300) includes a rotational stop member (306) near one end (308) of the helical groove (300). The dose setting mechanism (4) also includes a dial sleeve (10) rotatably engaged with the helical groove (302) of the inner housing (300). When a user rotates the dial sleeve (10) to select a dose the rotational stop member (306) prevents the user from selecting a dose greater than a pre-defined maximum selectable dose.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8839/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : DOSE SETTING MECHANISM FOR PRIMING A DRUG DELIVERY DEVICE

(51) International classification	:A61M
(31) Priority Document No	:61/182,828
(32) Priority Date	:01/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/057473
Filing Date	:28/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**  
**1)PLUMPTRE David**  
**2)DAVIES James**  
**3)JONES Christopher**  
**4)VEASEY Robert**

(57) Abstract :

A drug delivery device is provided comprising a dose setting mechanism (4 52 74) having a spindle (124) and a cartridge holder (6 54 72) coupled to the dose setting mechanism. The cartridge holder (6 54 72) comprising a cartridge having a movable bung at one end of the cartridge. The cartridge holder (6 54 72) must be rotated before a dose may set with the dose setting mechanism.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8840/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : MEDICAMENT IDENTIFICATION SYSTEM FOR MULTI-DOSE INJECTION DEVICES

(51) International classification :A61M  
(31) Priority Document No :61/182,848  
(32) Priority Date :01/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/EP2010/057491  
Filing Date :28/05/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
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Address of Applicant :Brüningstrasse 50 D-65929 Frankfurt  
am Main Germany  
(72)Name of Inventor :  
**1)PLUMPTRE David**  
**2)SMITH Chris**

(57) Abstract :

A dynamic identification system for a multi-dose injection device includes a dose dial sleeve (40) containing indicia (41; 42) of the medicament contained within the device becomes visible or available to the olfactory or gustation senses only during dose setting as the dial sleeve (40) is translated proximally out of the outer housing of the device. A user can readily identify the medicament contained within the device (1) as the dose is being set. A static identifier (50) located on the device that matches the dynamic identifier on the dial sleeve (40) can also be used as a medicament identifier.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8831/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : NONVOLATILE STORAGE DEVICE AND METHOD FOR WRITING INTO THE SAME

(51) International classification	:G11C13/00
(31) Priority Document No	:2010-079688
(32) Priority Date	:30/03/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/001810
Filing Date	:28/03/2011
(87) International Publication No	:WO 2011/121971
	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)PANASONIC CORPORATION**  
Address of Applicant :1006, OAZA KADOMA, KADOMA-SHI, OSAKA 571-8501 Japan  
(72)**Name of Inventor :**  
**1)KATO, YOSHIKAZU**

(57) Abstract :

The nonvolatile storage device includes a variable resistance element (106) and a write circuit (101) which writes data into the variable resistance element, wherein the variable resistance element has a property of changing from a first resistance state (LR state or HR state) to a second resistance state (HR state or LR state) when a pulse of a first voltage (Vh or VI) is applied to the variable resistance element, and changing from the second resistance state to the first resistance state when a pulse of a second voltage (VI or Vh) is applied to the variable resistance element, and the write circuit applies, to the variable resistance element, at least the pulse of the first voltage, a pulse of a third voltage (VILow or VhLow), and the pulse of the first voltage in this order, when the variable resistance element is caused to change from the first resistance state to the second resistance state.

No. of Pages : 86 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8850/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : MEDICAL DEVICE FOR FORMING LIQUID COMMUNICATION PATH•

(51) International classification :B23K  
(31) Priority Document No :2009-141152  
(32) Priority Date :12/06/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/059860  
Filing Date :10/06/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)JMS CO. LTD.**  
Address of Applicant :12-17 Kakomachi Naka-ku  
Hiroshima-shi Hiroshima 730-8652 Japan  
(72)Name of Inventor :  
**1)ISHIDA Miki**  
**2)MIYAHARA Hideyasu**

(57) Abstract :

A medical device for forming a liquid communication path comprising: joining members (1 3) for forming the communication flow path between objects to be communicated with each other; and a protective cap (2) having a tubular shape with a closed end holding a germicide-impregnated member (18) at the deepest end of the protective cap and capable of being mounted to at least one of the joining members which are being separated from each other. The inner peripheral surface of the protective cap forms a space (19) for surrounding the tip of the joining member and the dimensional relationship between the joining member and the protective cap is set so that the germicide-impregnated member (18) faces the tip of the joining member with a spacing between the members. A sealing member (8) is mounted to .....

No. of Pages : 46 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8851/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEM AND METHOD FOR IDENTIFICATION OF BIOLOGICAL TISSUES•

(51) International classification :G01N 1/02  
(31) Priority Document No :61/181,421  
(32) Priority Date :27/05/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/IB2010/001261  
Filing Date :27/05/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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Address of Applicant :2 Remnyi Ede Str. H-1033 Budapest  
Hungary  
(72)Name of Inventor :  
**1)TAKATS Zoltan**

(57) Abstract :

The present invention provides for a system method and device for analyzing localizing and/or identifying tissue types. The method includes analyzing localizing and/or identifying one or more tissue samples characterized in that the method comprises: (a) generating gaseous tissue particles from a site in the one or more tissue samples (b) transporting the gaseous tissue particles from the site to an analyser (c) using the analyser for generating tissue-related data based on the gaseous tissue particles and (d) analyzing localizing and/or identifying the one or more tissue samples based on the tissue-related data. The invention can either be used in close conjunction with a surgical procedure when one or more surgical tools are an integrated part of ionization or as a separate mass spectrometric probe for the analysis of one or more tissue parts.

No. of Pages : 49 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8852/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : POLYETHYLENE COMPOSITION AND FINISHED PRODUCTS MADE THEREOF

(51) International classification :C08F 10/02  
(31) Priority Document No :09007332.1  
(32) Priority Date :03/06/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/003225  
Filing Date :27/05/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
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(72)Name of Inventor :  
**1)BERTHOLD Joachim**  
**2)MARCZINKE Bernd Lothar**  
**3)DOETSCH Diana**  
**4)VITTORIAS Lakovos**  
**5)LILGE Dieter**  
**6)VOGT Heinz**  
**7)MLLER Johannes-Gerhard**

(57) Abstract :

Novel polyethylenes having defined molecular weight distribution and LCB structure are devised for films or mouldings.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8853/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : THIOL-YNE SHAPE MEMORY POLYMER

(51) International classification :C08F 238/00

(31) Priority Document No :61/183,759

(32) Priority Date :03/06/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/036096

Filing Date :26/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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Saint Paul Minnesota 55133-3427 U.S.A.

(72)Name of Inventor :

**1)CLAPPER Jason D.**

**2)LEWANDOWSKI Kevin M.**

(57) Abstract :

A shape memory polymer composition is described comprising an alkyne component and a thiol component.

No. of Pages : 29 No. of Claims : 9



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8854/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : COATING AGENT DEVICE AND COATING DEVICE

(51) International classification :F16B 7/20  
(31) Priority Document No :10 2009 020 077.0  
(32) Priority Date :06/05/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/002760  
Filing Date :05/05/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
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(72)Name of Inventor :  
**1)HERRE Frank**  
**2)HERING Joachim**  
**3)MELCHER Rainer**  
**4)BUCK Thomas**  
**5)BAUMANN Michael**  
**6)SEIZ Bernhard**  
**7)MICHELFELDER Manfred**

(57) Abstract :

The invention relates to a coating agent device in particular a coating agent valve for influencing the discharge of a coating agent characterized by a pluggable fastening base (101) for the pluggable mounting of the coating agent device.

No. of Pages : 65 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8855/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : DRUG DELIVERY DEVICE INNER HOUSING HAVING HELICAL SPLINE

(51) International classification :A61M 5/315

(31) Priority Document No :61/182,864

(32) Priority Date :01/06/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/EP2010/057490

Filing Date :28/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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Address of Applicant :Brüningstrasse 50 D-65929 Frankfurt  
am Main Germany

(72)Name of Inventor :

**1)PLUMPTRE David**

(57) Abstract :

A dose setting mechanism for a drug delivery device is disclosed. The mechanism comprises an outer housing and an inner housing having an external groove and a helical spline. The inner housing helical spline guides a driver to dispense a set dose. A dial sleeve is disposed between the outer and inner housing and is rotatably engaged with the inner housing. When a dose is set the dial sleeve is rotated and translates away from both the outer housing and the inner housing.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8856/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : FLUID VALVE IN PARTICULAR A RETRUN VALVE FOR A PAINTING SYSTEM

(51) International classification :F16K 17/30  
(31) Priority Document No :10 2009 020 064.9  
(32) Priority Date :06/05/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/002763  
Filing Date :05/05/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
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(72)Name of Inventor :  
**1)MELCHER Rainer**  
**2)HERRE Frank**  
**3)BAUMANN Michael**  
**4)BUCK Thomas**

(57) Abstract :

The invention relates to a fluid valve (8) particularly a return valve (8) for returning residual paint rinsing agent and compressed air from a paint line (5) when changing color in a painting system (1) having an open position in which the fluid valve (8) is at least partially open particularly for rinsing the paint line (5) with the rinsing agent and for pressurizing the paint line (5) with a new color for the color change and a closed position in which the fluid valve (8) is closed particularly for applying the new color after the color change wherein the fluid valve (8) can be adjusted between the open position and the closed position. The invention proposes that the fluid valve (8) switches to the closed position, actuated by the medium thereof, depending on the fluid present at the input side.

No. of Pages : 68 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8857/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : COATING SYSTEM COMPONENT COMPRISING AT LEAST ONE HOLDING PART

(51) International classification :B05C 5/02  
(31) Priority Document No :10 2009 020 077.0  
(32) Priority Date :06/05/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/002764  
Filing Date :05/05/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
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(72)Name of Inventor :  
**1)HERRE Frank**  
**2)HERING Joachim**  
**3)MELCHER Rainer**  
**4)BUCK Thomas**  
**5)BAUMANN Michael**  
**6)SEIZ Bernhard**  
**7)MICHELFELDER Manfred**

(57) Abstract :

The invention relates to a coating system component which is preferably used to be wetted and/or flown through at least in some sections by a coating agent preferably comprising a fastening base and at least one holding part which is arranged on said fastening base for being fastened to or in a coating system device. The holding part is preferably an external thread having a special configuration in order to meet the special requirements of painting facilities. Furthermore a corresponding coating system device is provided to which the coating system component can be fastened in a detachable manner.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8858/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : STRETCH RELEASABLE PRESSURE-SENSITIVE ADHESIVES

(51) International classification :C09J  
(31) Priority Document No :61/184,213  
(32) Priority Date :04/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/035903  
Filing Date :24/05/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)Name of Inventor :  
**1)BHARTI Vivek**  
**2)TRAN Thu-van T.**  
**3)EMSLANDER Jeffrey O.**  
**4)DETERMAN Michael D.**

(57) Abstract :

An adhesive tape that is stretch releasable articles that contain the adhesive tape and uses of the adhesive tape are disclosed. The adhesive tape includes a backing layer that is adjacent to at least one pressure-sensitive adhesive layer. The backing layer includes a poly(alkylene) copolymer. Each pressure-sensitive adhesive layer includes a polyisobutylene material. The adhesive tapes can be optically clear.

No. of Pages : 60 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8841/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : INNER HOUSING FOR A DRUG DELIVERY DEVICE

(51) International classification	:A61M
(31) Priority Document No	:61/182,818
(32) Priority Date	:01/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/057456
Filing Date	:28/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
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Address of Applicant :Brüningstrasse 50 D-65929 Frankfurt  
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(72)**Name of Inventor :**  
**1)PLUMPTRE David**

(57) Abstract :

A dose setting mechanism (4; 200) for a drug delivery device is disclosed. The mechanism comprises an outer housing (40; 204) and an inner housing (208) having an external groove. The inner housing guides a driver (30; 209) to dispense a set dose. A dial sleeve (10; 206) is disposed between the outer and inner housing and is rotatably engaged with the inner housing. When a dose is set the dial sleeve is rotated and translates away from both the outer housing and the inner housing.

No. of Pages : 47 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8845/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD AND SYSTEM FOR DISCONTINUOUS RECEPTION OPERATION FOR LONG TERM EVOLUTION ADVANCED CARRIER AGGREGATION

(51) International classification	:H04W 76/04
(31) Priority Document No	:61/187,095
(32) Priority Date	:15/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/038628
Filing Date	:29/11/2011
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :295 Phillip Street Waterloo Ontario  
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(72)Name of Inventor :

**1)FONG Mo-Han**

**2)MCBEATH Sean**

**3)CAI Zhijun**

**4)EARNSHAW Mark**

**5)HEO Youn Hyoung**

**6)YU Yi**

(57) Abstract :

A method for discontinuous reception operation for carrier aggregation comprising: receiving a first set of discontinuous reception parameters for a first carrier and a different set of discontinuous reception parameters for a second carrier; and configuring discontinuous reception parameters on the first carrier and second carrier.

No. of Pages : 66 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8848/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : IMPROVEMENTS TO PARTICLE DETECTORS•

(51) International classification :G08B 17/107  
(31) Priority Document No :2009901922  
(32) Priority Date :01/05/2009  
(33) Name of priority country :Australia  
(86) International Application No :P T/AU2010/000511  
Filing Date :03/05/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
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N-3933 The Bahamas  
(72)**Name of Inventor :**  
**1)Ron KNOX**  
**2)Karl BOETTGER**  
**3)AJAY Kemal**

(57) Abstract :

A beam detector (10) including a light source (32) a receiver (34) and a target (36) acting in co-operation to detect particles in a monitored area (38). The target (36) reflects incident light (40) resulting in reflected light (32) being returned to receiver (34). The receiver (34) is a receiver is capable of recording and reporting light intensity at a plurality of points across its field of view. In the preferred form the detector (10) emits a first light beam (3614) in a first wavelength band; a second light beam (3618) in a second wavelength band; and a third light beam (3616) in a third wavelength band wherein the first and second wavelengths bands are substantially equal and are different to the third wavelength band.

No. of Pages : 159 No. of Claims : 17



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8849/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : 5-PHENYL-[1&NBSP;2&NBSP;4 ]TRIAZOLO[1&NBSP;5-A]PYRIDIN-2-YL CARBOXAMIDES AS JAK INHIBITORS•

(51) International classification	:C07D 471/04
(31) Priority Document No	:61/220,688
(32) Priority Date	:26/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/059064
Filing Date	:25/06/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)GALAPAGOS N.V.**

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(72)Name of Inventor :

**1)Christel Jeanne Marie MANET**

**2)Koen Kurt SMITS**

(57) Abstract :

A novel compound able to inhibit JAK is disclosed this compound may be prepared as a pharmaceutical composition and may be used for the prevention and treatment of a variety of conditions in mammals including humans including by way of non-limiting example inflammatory conditions autoimmune diseases proliferative diseases transplantation rejection diseases involving impairment of cartilage turnover congenital cartilage malformations and/or diseases associated with hypersecretion of IL6. (I).

No. of Pages : 66 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8878/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : TABLE CREATING AND LOOKUP METHOD USED BY NETWORK PROCESSOR

(51) International classification :H04L12/56  
(31) Priority Document No :200910106953.5  
(32) Priority Date :04/05/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2009/074855  
Filing Date :06/11/2009  
(87) International Publication No :WO 2010/127536 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)ZTE CORPORATION**  
Address of Applicant :ZTE PLAZA, KEJI ROAD SOUTH,  
HI-TECH INDUSTRIAL PARK, NANSHAN DISTRICT,  
SHENZHEN, GUANGDONG PROVINCE 518 057 China  
(72)**Name of Inventor :**  
**1)XIUSHUAI LIANG**

(57) Abstract :

The present invention relates to the field of network communication. A table creating and lookup method used by a network processor is disclosed, which is used for configuring and matching list items, calculating storage index values according to the matching bit lengths and matching bit values of the list items, and determining storage areas of the list items according to the storage index values; or determining the storage areas according to the matching bit lengths of the list items, and determining storage positions of the list items with the same matching bit length in the same storage area according to the matching bit values. The present invention optimizes the table structure of the network processor, simplifies the table lookup process of the network processor, improves the processing capability of the network processor and has significant effect especially for the tables with unfixed matching byte lengths.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8859/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : UPDATING METHOD AND APPARATUS OF SLEEP MODE OPERATION

(51) International classification :H04W52/02  
(31) Priority Document No :61/224,910  
(32) Priority Date :12/07/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/KR2010/004488  
Filing Date :09/07/2010  
(87) International Publication No :WO 2011/007984 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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(72)Name of Inventor :  
**1)PARK, GIWON**  
**2)RYU, KISEON**  
**3)KIM, YONGHO**

(57) Abstract :

Disclosed herein relates to a sleep mode operation method, and the method of updating a sleep mode operation according to the present invention may include receiving a service flow configuration request (DSx-REQ) message comprising a service flow parameter for service flow configuration and a sleep cycle ID (SCID) for sleep mode change according to the service flow configuration from a base station during a sleep mode listening window; transmitting a service flow configuration response (DSx-RSP) message comprising the SCID; and configuring the service flow according to the service flow identifier, and changing a SCID to die SCID to update the sleep mode operation.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8863/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : CABLE FOR ENHANCING BIOPOTENTIAL MEASUREMENTS AND METHOD OF ASSEMBLING THE SAME

(51) International classification :H01R 13/62

(31) Priority Document No :12/480,230

(32) Priority Date :08/06/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/037370

Filing Date :04/06/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)Name of Inventor :

**1)WILLIAM KOLASA**

**2)ERIC GARZ**

**3)DANIEL J. LOMBARDI**

**4)GEOFFREY REBER**

(57) Abstract :

A cable for enhancing biopotential measurements including a core the core including a first conductive line a first shield that surrounds the first conductive line and a first insulator that surrounds the first shield. The cable further includes a control section located outside the core which includes a second conductive line a second shield that surrounds the conductive line and a second insulator that surrounds the second shield.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8864/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : SAFETY DEVICE FOR PUNCHES IN A COMPRESSION MOULDING APPARATUS

(51) International classification	:B29C43/50
(31) Priority Document No	:MO2009A000124
(32) Priority Date	:12/05/2009
(33) Name of priority country	:Italy
(86) International Application No	:PCT/IB2010/052091
Filing Date	:11/05/2010
(87) International Publication No	:WO 2010/131205
	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)SACMI COOPERATIVA MECCANICI IMOLA**  
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40026 IMOLA (BO) Italy  
(72)Name of Inventor :  
**1)ALDIGERI, GIANLUCA**

(57) Abstract :

A safety device for an apparatus for compression- moulding objects that comprises a moulding carousel (G) provided with a plurality of punches (1) and with a plurality of corresponding moulding elements (2), each mould element being movable between a first position in which it does not interact with the respective punch (1) and a second position in which it interacts with the respective punch (1) to mould an object (3), each punch being associated with an extracting device (4) suitable for extracting from the respective punch (1) a moulded object (3), said extracting device (4) being drivable by a cam track (8) obtained in a fixed frame (T) of said moulding carousel (G), the cam track (8) comprises a cam track portion (9) that is movable between an operating position in which it interacts with said extracting device (4) and a non-operating position in which it does not interact with said extracting device (4).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8865/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD FOR MANAGING NEIGHBOR FEMTO BS LIST IN A BROADBAND WIRELESS ACCESS SYSTEM

(51) International classification	:H04W48/16
(31) Priority Document No	:61/181,271
(32) Priority Date	:26/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/KR2010/003319
Filing Date	:26/05/2010
(87) International Publication No	:WO 2010/137863 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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(72)**Name of Inventor :**  
**1)JUNG, IN UK**  
**2)KIM, YONG HO**  
**3)RYU, KI SEON**  
**4)LEE, JIN**

(57) Abstract :

A method for updating a neighbor list at a femto Base Station (BS) is disclosed. The method includes broadcasting a first broadcast message including information about an unavailable time interval during which scheduling is not performed for Mobile Stations (MSs), scanning at least one neighbor BS during the unavailable time interval, and updating the neighbor list according to a result of the scanning.

No. of Pages : 26 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8895/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD OF CONTROLLING O-LINKED GLYCOSYLATION OF ANTIBODIES

(51) International classification :C07K 16/00  
(31) Priority Document No :09159641.1  
(32) Priority Date :07/05/2009  
(33) Name of priority country :EUROPEAN UNION  
(86) International Application No :PCT/EP2010/056266  
Filing Date :07/05/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**1)NOVOZYMES BIOPHARMA DK A/S**  
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(72)Name of Inventor :  
**1)EVANS Leslie Robert**  
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**5)TOOTH David John**  
**6)DODSWORTH Neil**  
**7)SAXTON Malcolm John**  
**8)WATERS Joanne Patricia**  
**9)ATHWAL Steven**

(57) Abstract :

A method for producing antibodies in fungal host cells is provided where the produced antibodies has a low degree of glycosylation.

No. of Pages : 62 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8896/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHODS FOR ENHANCING THE DEGRADATION OR CONVERSION OF CELLULOSIC MATERIAL

(51) International classification	:C12N 9/42
(31) Priority Document No	:61/182,333
(32) Priority Date	:29/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/036461
Filing Date	:27/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**  
**1)GARNER Ashley**  
**2)HARRIS Paul**  
**3)QUINLAN Jason**  
**4)KRAMER Randall**

(57) Abstract :

The present invention relates to methods for degrading or converting a cellulosic material comprising: treating the cellulosic material with an enzyme composition in the presence of a polypeptide having cellulolytic enhancing activity.

No. of Pages : 260 No. of Claims : 20



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8879/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR CONTROLLING MULTIMEDIA BORADCAST/MULTICAST SERVICE

(51) International classification	:H04L29/06
(31) Priority Document No	:200910205477.2
(32) Priority Date	:20/10/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/073275
Filing Date	:26/05/2010
(87) International Publication No	:WO 2010/145430 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)WEI JIANG**

(57) Abstract :

The present invention discloses a method and an apparatus for controlling Multimedia Broadcast/Multicast Service (MBMS). The method comprises: determining according to the Quality of Service (QoS) information of a MBMS service whether the MBMS service can take up the time period on the bearer corresponding to the first bearer identifier with the time period corresponding to the MBMS service, wherein the first bearer identifier is a bearer identifier set for other MBMS service, wherein if the determining result is yes, the first bearer identifier is set as the bearer identifier of the MBMS service, otherwise, a bearer identifier other than the first bearer identifier is set as the bearer identifier of the MBMS service. By adopting the present invention, the flexibility of the network resource allocation is enhanced, the utilization rate of the network resource is improved, and the system resource consumed during the bearer establishment and release is reduced.

No. of Pages : 27 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8880/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : METAL-CLAD POLYMER ARTICLE

(51) International classification :B32B15/08  
(31) Priority Document No :12/476,455  
(32) Priority Date :02/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/CA2010/000815  
Filing Date :31/05/2010  
(87) International Publication No :WO 2010/139053 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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**2)MCCREA, JONATHAN**

**3)NAGARAJAN, NANDAKUMAR**

**4)GONZALEZ, FRANCISCO**

**5)PALUMBO, GINO**

**6)PANAGIOTOPOULOS, KONSTANTINOS**

**7)KATUGAHA, HERATH**

**8)VICTOR, JARED J.**

**9)ERB, UWE**

(57) Abstract :

I polymer articles containing structural fine-grained and/or amorphous metallic optionally containing solid particulates dispersed therein, are disclosed. The id and/or metallic coatings are particularly suited for strong and lightweight molds, sporting goods, automotive parts and components exposed to although the coefficient of linear thermal expansion (CLTE) of the metallic the substrate are mismatched. The interface between the metallic layer and the . suitably pretreated to withstand thermal cycling without failure.

No. of Pages : 86 No. of Claims : 50

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8889/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD FOR PRODUCING LIQUID CRYSTAL PANEL, LIQUID CRYSTAL PANEL, AND REPAIR APPARATUS

(51) International classification	:G02F1/13
(31) Priority Document No	:2009-135553
(32) Priority Date	:04/06/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/057583
Filing Date	:28/04/2010
(87) International Publication No	:WO 2010/140443
	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)SATO, HITOSHI**

(57) Abstract :

Provided is a method for producing a liquid crystal panel capable of repairing a defective portion of an alignment film more easily. Provided is a method for producing a liquid crystal panel, including the step of repairing a defective portion 50 of an alignment film 30 formed on a substrate 12 by use of a repair stamp 60 having repair ink 61 attached thereto. The step of repairing includes step (a) of locating the repair stamp 60 in a zone (repair zone) 55 including the defective portion 50; step (b) of moving the repair stamp 60 from the position (60a) at which the repair stamp 60 has been located in step (a); and step (c) of moving the repair stamp 60 again from a position (60b) to which the repair stamp 60 has been moved in step (b) to the position (60a) at which the repair stamp 60 was located in step (a).

No. of Pages : 42 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8900/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD FOR MANUFACTURING TIGHT PITCH&NBSP; FLIP CHIP INTEGRATED CIRCUIT PACKAGES•

(51) International classification	:H01L 23/485
(31) Priority Document No	:12/482,668
(32) Priority Date	:11/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/038344
Filing Date	:11/06/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

**1)HEALY Christopher James**

(57) Abstract :

A flip chip packaging method to attach a die to a package substrate the method including dipping the die into solder paste; placing the die onto the package substrate; and reflowing the solder paste to attach the die to the package substrate. Other embodiments are described and claimed.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8903/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : PRINTED CIRCUIT BOARD ARRANGEMENT

(51) International classification :H05K 1/14

(31) Priority Document No :838/09

(32) Priority Date :02/06/2009

(33) Name of priority country :Switzerland

(86) International Application No :PCT/EP2010/056733

Filing Date :17/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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**1)WAGNER Martin**

**2)FUCHS Josef**

(57) Abstract :

The invention relates to a printed circuit board arrangement (20) having at least two printed circuit boards (11; 12) which are located alongside one another on a common electrically conductive base plate (13) have two mutually opposite edges forming an intermediate space (14) and are connected to one another bridging the intermediate space (14) by means of electrical connections (21) in order to transmit extremely high frequencies. In the case of a printed circuit board arrangement such as this RF-compatible electrical connections are made between the printed circuit boards in a simple and space-saving manner when the printed circuit boards are fitted on the base plate and without any further necessary additional tasks or reworking in that the electrical connections are each made via at least one contact-making element (21) via which the printed circuit boards make detachable electrical contact with one another when mounted on the base plate (13).

No. of Pages : 33 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8905/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR DRILLING LARGE-DIAMETER HOLE IN GROUND

(51) International classification :E21B 3/00  
(31) Priority Document No :10-2009-0047054  
(32) Priority Date :28/05/2009  
(33) Name of priority country :Republic of Korea  
(86) International Application No :PCT/KR2010/002299  
Filing Date :14/04/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)Name of Inventor :  
**1)PARK Sun Keun**

(57) Abstract :

The present invention relates to method and apparatus for drilling a large diameter hole in the ground. The present invention comprises a hammer drill (40) installed at the bottom of a rod (104) assembled in multi-stages at support means on the ground comprising a pilot hammer drill (44 48 49) and a reamer hammer drill (41 46 47) coupled to each other through a key structure (42 43) formed in the vertical direction so as to allow simultaneous rotation and up-and-down movement relative to each other wherein in a drilling operation a repetition is made such that the hammer drill (40) is made to rotate and the pilot hammer drill (44 48 49) is lowered to drill a pilot hole of small diameter (w) to a predetermined depth (d) and is lifted up to original position

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8909/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEM TO DETECT POOR PROCESS GROUND CONNECTIONS WITHIN AN ELECTROMAGNETIC FLOWMETER•

(51) International classification	:G01F 1/60
(31) Priority Document No	:12/464,409
(32) Priority Date	:12/05/2009
(33) Name of priority country	:U.S.A.
(86) International Appli ation No	:PCT/US2010/034182
Filing Date	:10/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

**1)FOSS Scot R.**

**2)TOTENHAGEN William G.**

(57) Abstract :

A field device (100) is disclosed that includes a pair of electrodes (138 140) coupled to a process fluid (128) and a diagnostic circuit (156) coupled to the pair of electrodes (138 140) to monitor a common mode signal. The diagnostic circuit (156) is adapted to detect a poor ground connection associated with at least one electrode of the pair of electrodes (138 140) based on line noise associated with the common mode signal.

No. of Pages : 25 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8911/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD AND APPARATUS OF PROVIDING PERSONALIZED VIRTUAL ENVIRONMENT

(51) International classification :G06F 17/30

(31) Priority Document No :12/463,119

(32) Priority Date :08/05/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/FI2010/050280

Filing Date :08/04/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)Name of Inventor :

**1)Toni Strandell**

(57) Abstract :

An approach is provided for providing a personalized virtual environment for a visitor of a service community. A comparison is made of identification information of the visitor with contact entries of a plurality of registered users of a service community. Additionally, an identification is made of content of one or more of the plurality of registered users having a contact entry that matches the identification information of the visitor to provide a personalized virtual environment of the visitor in the service community.

No. of Pages : 31 No. of Claims : 19



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8912/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : VACCINE FOR CERVICAL CANCER•

(51) International classification :A61K 39/00  
(31) Priority Document No :10-2009-0055179  
(32) Priority Date :19/06/2009  
(33) Nam of priority country :Republic of Korea  
(86) International Application No :PCT/KR2009/006062  
Filing Date :20/10/2009  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**2)LEE Na Gyong**

**3)CHO Yang-Je**

**4)JANG Jin-Wook**

**5)KIM Hyoung Jin**

**6)KIM Kwang Sung**

(57) Abstract :

The present invention relates to a pharmaceutical vaccine composition for a human cervical cancer comprising: (a) (i) a L1 virus-like particle (VLP) of human papillomavirus (HPV) type 16 a L1 VLP of HPV type 18 or a combination thereof; and (ii) a deacylated non-toxic lipooligosaccharide (LOS); and (b) a pharmaceutically acceptable carrier; and a method for preparing a human papillomavirus (HPV) L1 virus-like particle (VLP). The pharmaceutical vaccine composition of the present invention is in both Th1-type immune response (cellular immunity) and Th2-type immune response (humoral immunity) against HPV more excellent than CervrixTM and GardasilTM exhibiting a superior efficacy as a vaccine for a human cervical cancer.

No. of Pages : 67 No. of Claims : 11

(54) Title of the invention : METHOD FOR ACQUIRING DATA FROM A USER AT THE TIME OF A CARD PAYMENT MADE USING A PAYMENT TERMINAL

(51) International classification :G06Q30/00  
 (31) Priority Document No :0902715  
 (32) Priority Date :05/06/2011  
 (33) Name of priority country :France  
 (86) International Application No :PCT/FR2010/051122  
 Filing Date :07/06/2010  
 (87) International Publication No :WO 2010/139915  
 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)LEVY, BERNARD DAVID**

**2)VIEILLE, LAURENT BERNARD MARIE**

(57) Abstract :

The invention relates to a method for acquiring data from a user at the time of a card payment made using a payment terminal, in which: a data acquisition request is displayed (26) on a screen of the payment terminal following the completion of the payment transaction; the data is acquired (28) by the payment terminal; the acquired data is validated (30) in the terminal; and, if the data is valid, the data is transmitted (34 or 37) by the payment terminal to a consolidation server and a card removal authorisation message is displayed (36) on the screen of the terminal. The acquisition includes a maximum period parameter and the data is considered to be invalid if acquired after said maximum period and/ or if acquired when the chip card is not in the payment terminal. Un procede d'acquisition d'une donnee en provenance d'un utilisateur lors d'un paiement par carte avec un terminal de paiement, comporte : suite a la cloture de la transaction de paiement, presenter (26) une requete d'acquisition de donnee sur un ecran du terminal de paiement; acquerir (28) la donnee par le terminal de paiement; valider (30) dans le terminal la donnee acquise; si la donnee est valide, transmettre (34 ou 37) la donnee par le terminal de paiement vers un serveur de consolidation et presenter (36) a l'utilisateur un message d'autorisation [Suite sur la page suivante]

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8915/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR MULTI-RADIO COEXISTENCE

(51) International classification :H04W72/12  
(31) Priority Document No :12/488075  
(32) Priority Date :19/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/YS2010/034650  
Filing Date :13/05/2010  
(87) International Publication No :WO 2010/147719 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)SEN, INDRANIL, S.**

(57) Abstract :

A method for multi-radio coexistence receives historical frequency usage information and historical time usage information from a first radio. The method creates a time and frequency mask by extrapolating the historical frequency and time usage information to future times and frequencies when the first radio will be active and uses the time and frequency mask to schedule a second radio to avoid receiving when the first radio will likely be active. A related apparatus has a collocated radio input for receiving timing usage information, a non-collocated radio input for receiving frequency usage information, and a time and frequency mask generator for creating a time and frequency mask using the timing usage information and the frequency usage information. The method and apparatus predicts collocated and non-collocated radio activity in both the time and frequency dimensions to reduce interference among radios operating in overlapping or adjacent frequency bands.

No. of Pages : 39 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8916/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : SERVICE CONTINUITY DURING OUTBOUND HANDOVER FROM A HOME NETWORK BASE STATION WITH LOCAL INTERNET PROTOCOL ACCESS

(51) International classification	:H04W36/00
(31) Priority Document No	:12/493440
(32) Priority Date	:29/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/037861
Filing Date	:09/06/2010
(87) International Publication No	:WO 2011/002580 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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**2)BENN, HOWARD**

**3)DROSTE, SCOTT**

**4)WU, JIAN**

(57) Abstract :

A method, a mobile system, and a home network base station are disclosed. A mobile management entity may generate a local network access disable notification message element to provide available options to a mobile system for establishing packet data network connectivity upon an access loss to a home network base station. The mobile management entity may send the local network access disable notification message element to the mobile system upon an imminent local network access loss event.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8917/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD OF MANAGING CARRIERS IN A BROADBAND WIRELESS ACCESS SYSTEM

(51) International classification :H04J11/00  
(31) Priority Document No :61/186384  
(32) Priority Date :12/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/KR2010/003805  
Filing Date :14/06/2010  
(87) International Publication No :WO 2010/143924 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)LEE, EUN JONG**  
**2)RYU, KI SEON**  
**3)YUK, YOUNG SOO**

(57) Abstract :

A method for managing carriers allocated to a mobile station in a broadband wireless access system supporting multiple carriers, and an apparatus for use in the method are disclosed. A carrier management method for allowing a mobile station to perform carrier management in a broadband wireless access system supporting multiple carriers includes receiving a first message, which includes activation information indicating activation of at least one target carrier from among one or more second carriers allocated through a first carrier, from a base station, and transmitting a second message, which informs the base station of readiness or non-readiness of the at least one target carrier according to a result of the activation, to the base station. The activation information includes information indicating an activation time point, and the transmitting of the second message is performed at a specific time indicated by the activation time point information.

No. of Pages : 52 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8918/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEM AND PROCESS OF MOLDING OF PLASTIC MATERIALS

(51) International classification :B29C 45/16

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/IB2009/005867

Filing Date :05/06/2009

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)Name of Inventor :

**1)GIACOMINI Pio Guido**

(57) Abstract :

System for moulding plastics material comprising: - at least one injection nozzle (2) with a cylindrical body - at least one hot chamber (24) on which said at least one injection nozzle (2) is mounted; - at least one penetrating ram rod (15) which extends coaxially with said injection nozzle (2); - at least two passages (4 5) for supplying the moulding material to said injection nozzle (2); - said injection nozzle (2) comprising: - at least one containing collar (7); - at least one injection valve (11) mounted coaxially with said containing collar (7) and having a supply end (13); - said injection valve (11) comprising: - at least a first supply channel (18) for a first moulding material; - at least a second supply channel (19) for a second moulding material; - said first and second injection channels (18 19) remaining separate as far as said supply end.

No. of Pages : 28 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8898/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEM AND METHOD FOR PROCESSING EXTENSION TRAFFIC IN VIRTUAL SWITCHBOARD, AND VIRTUAL SWITCHBOARD SERVER

(51) International classification	:H04M3/42
(31) Priority Document No	:200910204888.X
(32) Priority Date	:16/10/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2009/075807
Filing Date	:21/12/2009
(87) International Publication No	:WO 2010/145151 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)CUIPING YANG**

(57) Abstract :

The invention discloses a system and method for processing extension traffic in a virtual switchboard, and a virtual switchboard server, wherein the virtual switchboard server connected to an intelligent network comprises a user management unit, a call control unit and a service control unit. The method comprises: when a calling phone calls a first extension in a group, connecting a speech path between the calling phone and the first extension; when the incoming call is required to be transferred to a second extension in the group, receiving a transfer instruction sent from the first extension or the second extension; and control the call control unit to transfer the incoming call from the first extension to the second extension after the user management unit obtains the extension information of the second extension in the transfer instruction, and realize talking between the calling phone and the second extension. The invention allows call transfer and pickup of extensions in a group to be more convenient and timely and be not restricted by regions.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8899/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD FOR PURIFICATION OF TARGET POLYPEPTIDES

(51) International classification :C07K 14/435

(31) Priority Document No :09159710.4

(32) Priority Date :07/05/2009

(33) Name of priority country :EUROPEAN

UNION

(86) International Application No :PCT/EP2010/056010

Filing Date :04/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**1)KYHSE-ANDERSEN Jan**

**2)WINTHER Lars**

(57) Abstract :

The present invention relates to a process for purification of a target molecule comprising the steps: (a) contacting a target molecule and a population of target binding polypeptides (TBP) in solution for a sufficient time to allow complex formation; and (b) isolating the target from the complex from (a) by subsequent purification steps wherein (i) the target binding polypeptides have at least two binding functionalities; a first binding functionality towards the target and a second binding functionality towards a catching ligand comprised in a solid support; and (ii) the first binding functionality comprises at least two binding sites for the target and the target comprises at least two binding sites for the TBP.

No. of Pages : 72 No. of Claims : 23



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8920/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : CONDUIT FITTING WITH ATTACHED TORQUE COLLAR

(51) International classification :F16L 19/08

(31) Priority Document No :61/176,622

(32) Priority Date :08/05/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/033851

Filing Date :06/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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**1)WILLIAMS Peter C.**

**2)BROWN Cal R.**

**3)CLASON Mark A.**

**4)ARSTEIN Dale C.**

(57) Abstract :

A conduit fitting of the type having first and second threaded fitting components and at least one conduit gripping device further includes a stroke limiting member that allows the fitting to be pulled up by applying a predetermined torque. In one embodiment the stroke limiting member may be a non-integral torque collar. Alternatively the fitting may also be pulled up by turns or may have an integral torque collar. In still another embodiment a stroke limiting member is provided that may be used to enable a fitting that is designed to be pulled up by turns to also be pulled up by torque. In other embodiments the non-integral torque collar may be installed onto one of the fitting components and then deformed so as to prevent or make it more difficult to remove the torque collar after installation onto the fitting component.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8921/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : IMAGE PROCESSING METHOD AND IMAGE PROCESSING APPARATUS

(51) International classification	:H04N5/232
(31) Priority Document No	:2009-112788
(32) Priority Date	:07/05/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/002911
Filing Date	:22/04/2010
(87) International Publication No	:WO 2010/128578
	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)TADA, JUNJI**

(57) Abstract :

According to the present invention, there is provided an image processing method that performs a tone correction to obtain a combined image with suitable brightness and contrast when a plurality of image data pieces is combined, and an image processing apparatus that can execute the method. The image processing method includes detecting brightness distribution for each of the plurality of image data pieces, calculating a characteristic amount of each brightness distribution from the brightness distribution, and acquiring a correction amount for a tone correction executed to the combined image data based on the obtained characteristic amount of the brightness distribution.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8919/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : A METHOD FOR MAKING JOINTS BETWEEN SHEET FORMED MEMBERS WITH AN INTERMEDIATE ADHESIVE LAYER AND AN APPARATUS FOR CARRYING OUT SAID METHOD

(51) International classification :B21D 39/03

(31) Priority Document No :0950412-7

(32) Priority Date :05/06/2009

(33) Name of priority country :Sweden

(86) International Application No :PCT/EP2010/057356

Filing Date :27/05/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**2)FAIVRE Jean-Claude**

(57) Abstract :

Method and apparatus for joining superimposed sheet formed material with an intermediate layer of adhesive together by means of gluing in combination with clinching at which a tool comprising a first and a second co-axial tool parts co-operate for producing said joint said first tool part comprising a punch (1) with an impact surface surrounded by a stripper (2) with an impact surface said second tool part comprising a die with an impact surface surrounding a die cavity at the bottom of which an anvil with an impact surface is arranged. In a step before making the clinch joint positioning and locking said punch (1) and said stripper (2) of said first tool part

No. of Pages : 25 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9543/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :19/12/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : SHIELDED ELECTRICAL CABLE

(51) International classification	:H01B11/10
(31) Priority Document No	:61/218,739
(32) Priority Date	:19/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/038930
Filing Date	:17/06/2010
(87) International Publication No	:WO 2010/148161 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)GUNDEL, DOUGLAS B.**

(57) Abstract :

A shielded electrical cable includes a conductor set, two generally parallel shielding films disposed around the conductor set, and a transition portion defined by the shielding films and the conductor set. The conductor set includes one or more substantially parallel longitudinal insulated conductors. The shielding films include a concentric portion substantially concentric with at least one of the conductors and a parallel portion wherein the shielding films are substantially parallel. The transition portion provides a gradual transition between the concentric portion and the parallel portion of the shielding films.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.986/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :31/01/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR CONTROLLING MOBILE AND CONSUMER ELECTRONIC DEVICES

(51) International classification	:G06F1/16
(31) Priority Document No	:61/228,119
(32) Priority Date	:23/07/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/043148
Filing Date	:23/07/2010
(87) International Publication No	:WO 2011/011751 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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**2)MICHAELIS OLIVER**

**3)JAIME MANUEL EDUARDO**

(57) Abstract :

Various methods for controlling a device is disclosed including dynamically selecting a set of mappings defining how a gesture made by a movement of at least one wearable item will be interpreted as one or more commands; determining whether the gesture has a mapping in the set of mappings; and translating the gesture into a command for the device based on the determination. Interpreting movements of a wearable item as gestures associated with a command to control a controlled device is also disclosed that includes sensing a movement of the wearable item in context as being indicative of a gesture relating to the command based on the first context. A method for communicating control information by a wearable device is further disclosed including determining an agreed upon set of control gestures between first and second devices, wherein the control gestures are performable using the first device and are supportable by the second device; and participating in a control sequence to control the second device via a wireless transmission corresponding to at least one of the control gestures to be performed using the first device.

No. of Pages : 52 No. of Claims : 72

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9982/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/12/2011

(43) Publication Date : 17/05/2013

(54) Title of the invention : WIND TURBINE GENERATOR SERVICE BY AIRSHIP

(51) International classification	:F03D1/00
(31) Priority Document No	:61/187,065
(32) Priority Date	:15/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/DK2010/050143
Filing Date	:15/06/2010
(87) International Publication No	:WO 2010/145666 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)KIRT, RUNE**

**2)THOMSEN, MAD S B.**

**3)GALBRAITH, DUNCAN**

(57) Abstract :

The invention relates to a method for positioning an airship 100 at a wind turbine generator. The method comprises the step of docking the airship 100 at the wind turbine generator with a forwards docking section, a rearwards docking section, a sideways docking section, or an upwards docking section of the airship being connected to the wind turbine generator. After the airship 100 has docked, at least one wind turbine generator component or at least one person is unloaded from the airship or loaded from the wind turbine generator to the airship. Docking of the airship 100 may be performed at one of the following components of the wind turbine generator: the nacelle 116, the hub 118, the tower, one or more of the blades 120, the foundation, or a substation of the wind turbine generator. The invention also relates to use of an airship 100 for being connected to a wind turbine generator and for loading or unloading wind turbine generator components or personnel to or from the wind turbine generator.

No. of Pages : 29 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.918/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/01/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : DRILL STRING COMPONENT FOR NOISE CONTROL DURING PERCUSSION DRILLING

(51) International classification :E21B17/00  
(31) Priority Document No :0901137-0  
(32) Priority Date :28/08/2009  
(33) Name of priority country :Sweden  
(86) International Application No :PCT/SE2010/000211  
Filing Date :30/08/2010  
(87) International Publication No :WO 2011/025431  
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)GOTHBERG, MATTIAS**  
**4)ENBLOM, SAMUEL**  
**5)STENBERG, GORAN**

(57) Abstract :

Drill string components (2; 18) for top hammer drilling and down-the-hole drilling for positioning between a drill rig and a drill bit including a pipe-shaped element (3; 19), which is arranged for transferring only rotational movements from the drill rig to the drill bit, A vibration-damping structure (12) is arranged adjoining to at least a part of an inside (H) of the pipe-shaped element in a space (41) formed inwardly of said inside (IT). The invention also concerns a rock drilling equipment.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.944/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/01/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : NOZZLE AND METHOD OF MAKING SAME

(51) International classification	:F02M61/18
(31) Priority Document No	:61/229,821
(32) Priority Date	:30/07/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/043628
Filing Date	:29/07/2010
(87) International Publication No	:WO 2011/014607 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
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**2)WILLOUGHBY, JAIME, B.**

**3)SAHLIN, JENNIFER, J.**

(57) Abstract :

Nozzle and a method of making the same are disclosed. The method includes the steps of: (a) providing a first material that is capable of undergoing multiphoton reaction; (b) forming a first microstructured pattern in the first material using a multiphoton process; (c) replicating the first microstructured pattern in a second material that is different than the first material to make a first mold that includes a second microstructured pattern in the second material; (d) replicating the second microstructured pattern in a third material different than the first and second materials to make a second mold that includes a third microstructured pattern that includes a plurality of microstructures in the third material; (e) planarizing the third microstructured pattern of the second mold with a layer of a fourth material different than the third material, where the layer exposes tops of the microstructures in the plurality of microstructures in the third microstructured pattern; and (f) removing the third material resulting in a nozzle that includes a plurality of holes in the fourth material, where the holes correspond to the plurality of microstructures in the third microstructured pattern.

No. of Pages : 47 No. of Claims : 15



(12) PATENT APPLICATION PUBLICATION

(21) Application No.9688/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : NOVEL OXAZOLONE AND PYRROLIDINONE-SUBSTITUTED ARYLAMIDES

(51) International classification :C07D233/32

(31) Priority Document No :61/219,022

(32) Priority Date :22/06/2009

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/EP2010/058399  
Filing Date :15/06/2010

(87) International Publication No :WO 2010/149541  
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)CHEN, LI**

**2)DILLON, MICHAEL, PATRICK**

**3)FENG, LICHUN**

**4)YANG, MINMIN**

(57) Abstract :

Compounds of the formula I: or a pharmaceutically acceptable salt thereof, wherein, X, Y, R1, R2, R3, R4, R5, R6 and R are as defined herein. Also disclosed are methods of using the compounds for treating diseases associated with P2X3 and/or a P2X2/3 receptor antagonists and methods of making the compounds.

No. of Pages : 73 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.987/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :31/01/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : MICROSTRUCTURES FOR LIGHT GUIDE ILLUMINATION

(51) International classification	:G02B6/00
(31) Priority Document No	:61/230,978
(32) Priority Date	:03/08/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/043794
Filing Date	:29/07/2010
(87) International Publication No	:WO 2011/017204 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)NARAYANAN KOLLENGODE S.**

**5)BITA ION**

**6)LI KEBIN**

**7)YIN YE**

**8)GRUHLKE RUSSELL**

(57) Abstract :

Various embodiments disclose an illumination apparatus. The apparatus may comprise a light guide supporting propagation of light and having at least a portion of one of its edges comprising an array of microstructures. These microstructures may be incorporated in the input window of the light guide to control the light intensity distributed within the light guide. In certain embodiments, the directional intensity of the light entering the light guide may be modified to achieve a desired distribution across the light guide.

No. of Pages : 53 No. of Claims : 52

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1446/KOL/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : STARTING BAR ASSEMBLY FOR CONTINUOUS CASTING

(51) International classification	:B22D11/08
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SIEMENS VAI METALS TECHNOLOGIES GMBH**

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(72)Name of Inventor :

**1)DEBASISH BANERJEE**

**2)SUBROTO KUMAR DAS**

**3)HELMUT EBNER**

**4)GERALD HRAZDERA**

**5)WALTER MICHALCZYK**

**6)JOHANN PEOPL**

**7)CHINMAY SARKAR**

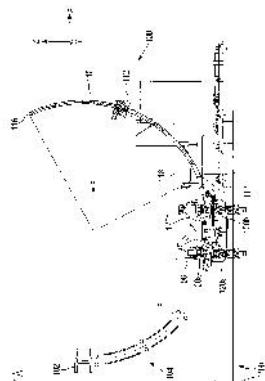
**8)ROGER STEINS**

**9)HEINRICH THOENE**

**10)FRANZ WIMMER**

(57) Abstract :

Starting bar assembly for continuous casting The present invention provides a starting bar assembly suitable for use in a continuous casting apparatus. The starting bar assembly initiates withdrawal of the metal strand. The starting bar assembly includes starting bar provided with engaging means and a storage unit provided with suitable driving means to facilitate movement of the starting bar between a casting position and a stowed position.



No. of Pages : 46 No. of Claims : 15

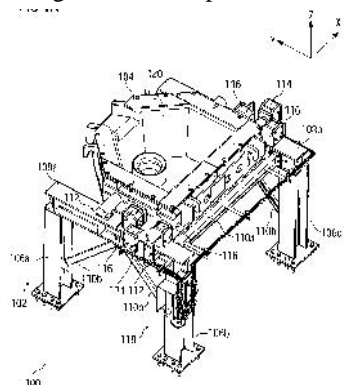
(54) Title of the invention : TUNDISH SUPPORTING ASSEMBLY FOR CONTINUOUS CASTING

(51) International classification :B22D11/10  
 (31) Priority Document No :NA  
 (32) Priority Date :NA  
 (33) Name of priority country :NA  
 (86) International Application No :NA  
 Filing Date :NA  
 (87) International Publication No : NA  
 (61) Patent of Addition 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 :TURMSTRA E 4031 LINZ AUSTRIA  
 (72)Name of Inventor :  
**1)KUNAL, ADHIKARI**  
**2)SUBROTO KUMAR DAS**  
**3)NILANJAN DASGUPTA**  
**4)GERALD HRAZDERA**  
**5)ROGER STEINS**  
**6)HELMUT SULZNER**  
**7)HEINRICH THOENE**  
**8)FRANZ WIMMER**

(57) Abstract :

Tundish supporting assembly for continuous casting The present invention provides a tundish supporting assembly suitable for supporting a tundish during continuous casting. The tundish supporting assembly includes a pair of support members supported on a plurality of frame members. Each support member is provided with seating means for supporting the tundish. The support member is provided with first positioning means and second positioning means for adjusting a position of the tundish along two orthogonal axes along a horizontal plane.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1451/KOL/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : SYSTEM AND METHOD FOR ENHANCING RESOLUTION OF SPECTROMETER

(51) International classification	:G01N27/62	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)SIEMENS AKTIENGESELLSCHAFT</b>
(32) Priority Date	:NA	Address of Applicant :WITTELSBACHERPLATZ 2 80333
(33) Name of priority country	:NA	MÜNCHEN GERMANY
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)NA</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method (50) for enhancing a resolution of a spectrometer is presented. The method (50) includes directing (52) a first light emitted from a first light source to a substance, wherein the first light source has a first spectral characteristics, acquiring (54) a light emitted by the substance based upon the emitted first light from the first light source to obtain a first response at the spectrometer, directing (56) a second light emitted from a second light source to the substance, wherein the second light source has spectral characteristic distinct from the first light source, acquiring (58) a light emitted by the substance based upon the emitted second light from the second light source to obtain a second response at the spectrometer, and combining (60) the first response and the second response at the spectrometer to increase the resolution of the spectrometer.

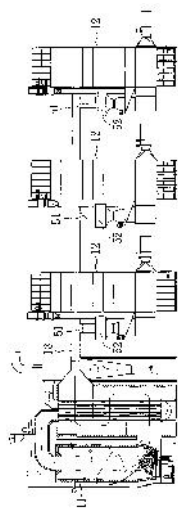
No. of Pages : 14 No. of Claims : 15

(54) Title of the invention : METHOD AND CONTROL SYSTEM FOR CONTROLLING SUPPLY OF HEAT ENERGY FROM A FURNACE TO MULTIPLE DRYERS

(51) International classification	:F24H1/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)SUNCUE COMPANY LTD.</b>
(32) Priority Date	:NA	Address of Applicant :NO. 396 MIN SHENG ROAD, WU
(33) Name of priority country	:NA	FENG DIST., TAICHUNG CITY, TAIWAN
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)JUNG-LANG LIN</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

A method for controlling supply of heat energy from a furnace (11) to multiple dryers (12) includes: determining a preset temperature (To), a preset humidity (W0) and a drying time (t) for each of the dryers (12) ; calculating heat energy demand of each of the dryers (12) according to the preset temperature (To), the preset humidity (W0) and the drying time (t) of a respective one of the dryers (12), and calculating a fuel amount to be supplied to the furnace (11) , and a volume of hot air to be supplied to each of the dryers (12) ; detecting a drying temperature (T) in each of the dryers (12); and for each of the dryers (12), comparing the drying temperature (T) and the preset temperature (T0) of the dryer (12), increasing the volume of hot air when the drying temperature (T) is lower than the preset temperature (To) , and decreasing the volume of hot air when the drying temperature (T) is higher than the preset temperature (T0) .



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

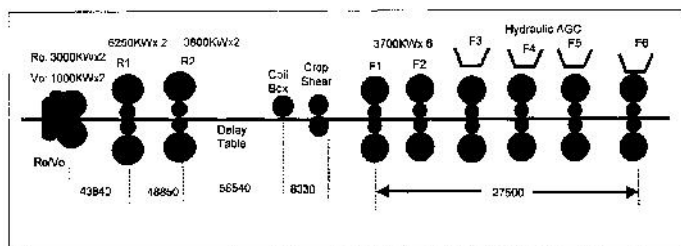
(54) Title of the invention : IMPROVED METHOD FOR IMPROVEMENT OF SHAPE OF HOT ROLLED COILS IN HOT STRIP MILL

(51) International classification :B21B1/46  
 (31) Priority Document No :NA  
 (32) Priority Date :NA  
 (33) Name of priority country :NA  
 (86) International Application No :NA  
 Filing Date :NA  
 (87) International Publication No : NA  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

(71)Name of Applicant :  
**1)STEEL AUTHORITY OF INDIA LIMITED**  
 Address of Applicant :RESEARCH & DEVELOPMENT  
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 834002 STATE OF JHARKHAND, INDIA  
 (72)Name of Inventor :  
**1)SENGUPTA PARTHA PRATIM**  
**2)PATHAK PURNANAND**  
**3)RATH SUSHANT**  
**4)VENKATAKRISHNAN SHANKAR NARAYANAN**

(57) Abstract :

The present invention relates to an improved method for improvement of shape of hot rolled coils in hot strip mill comprising the steps of fixing of cycle over tonnage for finishing stand rolls at 2000t to improve strip profile and reduce wedge; modifying the reduction regimes at Finishing Stands for reduction of gauge variation; modifying the reduction schedule at Roughing Stand for reduction of width variation.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1449/KOL/2011 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : VASCULAR TISSUE SPECIFIC AND STRESS INDUCIBLE HYBRID PROMOTER IDEAL FOR PLANT DERIVED PHARMACEUTICAL PRODUCTION

(51) International classification	:A01H3/02	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)INSTITUTE OF LIFE SCIENCES</b>
(32) Priority Date	:NA	Address of Applicant :AN AUTONOMOUS INSTITUTE
(33) Name of priority country	:NA	UNDER DEPARTMENT OF BIOTECHNOLOGY, GOVT. OF
(86) International Application No	:NA	INDIA, NALCO, SQUARE, CHANDRASEKHERPUR, BBSR
Filing Date	:NA	23, ORISSA, INDIA
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)NRISINGHA DEY</b>
Filing Date	:NA	<b>2)RAJIV RANJAN</b>
(62) Divisional to Application Number	:NA	<b>3)SUNITA PATRO</b>
Filing Date	:NA	<b>4)I.B. MAITI</b>

(57) Abstract :

Vascular tissue specific and stress inducible hybrid promoter ideal for plant derived pharmaceutical production. A vascular tissue specific and stress inducible hybrid promoter DNA fragment developed from the ligation of a upstream activation sequence of Figwort mosaic virus full length transcript promoter (FMV-Flt) to another domain containing the TATA box site of Figwort mosaic virus sub-genomic transcript (FMV-Sgt) promoter.

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



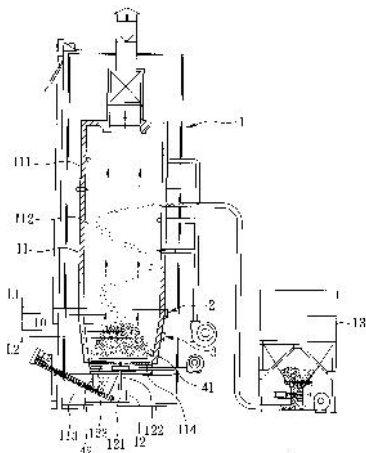
(54) Title of the invention : STIRRING CONTROL METHOD AND STIRRING CONTROL DEVICE FOR A COMBUSTION APPARATUS

(51) International classification :F23G5/28  
 (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)SUNCUE COMPANY LTD**  
 Address of Applicant :NO. 396 MIN SHENG ROAD, WU  
 FENG DIST., TAICHUNG CITY, TAIWAN  
 (72)**Name of Inventor :**  
**1)JUNG-LANG LIN**

(57) Abstract :

A stirring control method is adapted for a combustion apparatus (1) which includes a furnace (11) for burning fuel material (10), and a stirring member (123) rotatably disposed in the furnace (11) for stirring the fuel material (10) and ash resulting from burning of the fuel material (10). The stirring control method includes: controlling rotation of the stirring member (123) at an initial rotational speed (VD); determining whether a height of the fuel material (10) reaches an upper detection range (L1) ; generating an indication when the height of the fuel material (10) reaches the upper detection range (L1); determining whether the height of the fuel material (10) reaches a lower detection range (L2) when the height of the fuel material (10) does not reach the upper detection range (L1); and controlling rotation of the stirring member (123) at a rotational speed (V1) higher than the initial rotational speed (V0) when the height of the fuel material (10) reaches the lower detection range (L2).



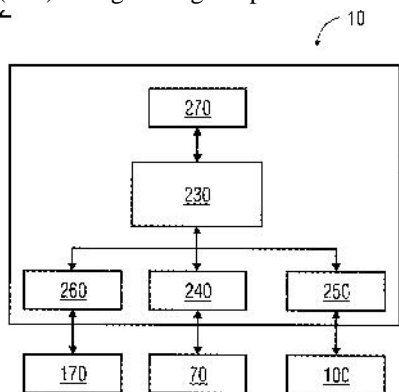
No. of Pages : 22 No. of Claims : 10

(54) Title of the invention : A MEDICAL IMAGE PROCESSING METHOD FOR IMAGE REGISTRATION AND A SYSTEM THEREOF

(51) International classification	:A61B5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)SIEMENS AKTIENGESELLSCHAFT</b>
(32) Priority Date	:NA	Address of Applicant :WITTELSBACHERPLATZ 2 80333
(33) Name of priority country	:NA	MÜNCHEN GERMANY
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)GAURAV TRIPATHI</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a medical image processing method and a system (10) for image registration of a predefined section (20) of a subject (40). The method comprises an X-ray image data receiving step (470) for receiving X-ray data (280, 290) of the predefined section (20) followed by a position identifying step (480) for identifying a first and a second position (150, 160) of the predefined section (20) from the X-ray data (280, 290). A medical signal data receiving step (490) receives medical signal (110) of the subject (40). A physiological activity image data receiving step (500) receives images (190, 195) of the physiological activity of the subject (40). The above steps (470, 480, 490, and 500) are performed at a first instance of time t1 and a second instance of time t2. A step (510) of receiving the medical signal (110) and a physiological activity image (210) at a third instance of time t3 is followed by a step (520) of registering the predefined section (20) based on the data collected and determined during t1, t2, and t3.



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

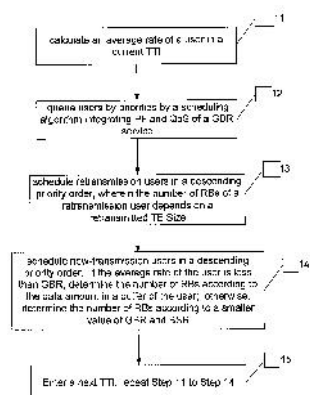
(54) Title of the invention : METHOD FOR SCHEDULING GUARANTEED BIT RATE SERVICE BASED ON QUALITY OF SERVICE

(51) International classification :H04L12/00,H04W28/00  
 (31) Priority Document No :NA  
 (32) Priority Date :NA  
 (33) Name of priority country :NA  
 (86) International Application No :PCT/CN2010/073023  
 Filing Date :20/05/2010  
 (87) International Publication No :WO 2011/143824  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

(71)Name of Applicant :  
**1)ZTE CORPORATION**  
 Address of Applicant :ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan, Shenzhen, Guangdong 518057, CHINA  
 (72)Name of Inventor :  
**1)SHI, Xianwen**  
**2)YU, Yong**  
**3)LU, Tao**

(57) Abstract :

A traffic scheduling method of Guaranteed Bit Rate (GBR) based on Quality of Service (QoS) and an apparatus implementing the method are disclosed, and the method comprises: determining the scheduling priority of each user according to the average rate of GBR traffic of all on-line users in current Transmission Time Interval (TTI); scheduling the users in turn in accordance with the determined priority and allocating resource blocks (RBs) resource to the users. By the scheduling method according to present invention- the RB resource can be fully utilized, and the user rate which does not meet GBR is quickly improved to make many users as possible to meet GBR, so as to increase the number of users satisfied in general in system. For the case in which the Maximum Bit Rate (MBR) is larger than GBR, on the basis that many users as possible are made to reach GBR, the rate of users can be further improved to increase the number of users with high rate.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2326/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

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

(51) International classification	:F03D7/04
(31) Priority Document No	:10 2010 016 292.2
(32) Priority Date	:01/04/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/051905
Filing Date	:09/02/2011
(87) International Publication No	:WO 2011/120729
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Salzbergen, GERMANY

(72)Name of Inventor :

**1)BERTOLOTTI Fabio**

**2)VAN SCHELVE, Jens**

(57) Abstract :

The invention relates to a control device for a wind power plant having an electrical system (19) and a rotor (5) comprising a plurality of rotor blades (9,10,11) driven by wind (7), and outputting a mechanical rotor power (T) to the electrical system (19), said system converting said power at least partially into electrical power (P), having a blade sensor means (41) associated with at least one of the rotor blades and measuring at least one physical property of the at least one rotor blade dependent on at least one characteristic value of a wind field describing the wind (7) at the location of the rotor (5), and providing at least one blade sensor signal (23) characterizing said at least one property, and an estimation unit (21) determining an estimated value (PE) for the electrical power using the at least one blade sensor signal (23).

No. of Pages : 70 No. of Claims : 34

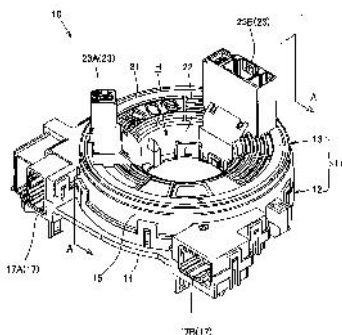
## (54) Title of the invention : ROTATING CONNECTOR APPARATUS

(51) International classification :H02G11/00,B60R16/027,H01R35/04  
 (31) Priority Document No :2010-108513  
 (32) Priority Date :10/05/2010  
 (33) Name of priority country :Japan  
 (86) International Application No :PCT/JP2011/060727  
 Filing Date :10/05/2011  
 (87) International Publication No :WO 2011/142341  
 (61) Patent of Addition 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, Marunouchi 2-chome, Chiyoda-ku, Tokyo 1008322 JAPAN  
**2)FURUKAWA AUTOMOTIVE SYSTEMS INC.**  
 (72)Name of Inventor :  
**1)ADACHI Ryoichi**  
**2)KAMIYA Kazutaka**

## (57) Abstract :

Provided is a rotating connector apparatus, wherein the number of times a reversing section of a flat cable is paid out while being slid can be greatly reduced. A steering roll connector (10), which has a flat cable (C) housed within a housing space in a state capable of being wound-up or rewound, has formed therein: a plurality of rotating rollers (43) arranged on the upper face of a retainer (41), on a circle concentric with the retainer (41), and arranged with equal gaps in the circumference direction thereof interposed therebetween; and a restricting section (48) arranged at the side of one rotating roller (43a) among the plurality of rotating rollers (43) where a reversing section (Cr) is wound, and to which the reversing section (Cr) is allowed to be pressed with a gap that the reversing section (Cr) is allowed to be adjoined/separated interposed between the reversing section (Cr) and the rotating roller (43a). The one rotating roller (43a), to which the reversing section (Cr) is wound, is arranged more to the outer side than a reference line (D) that links the axes of the other rotating rollers (43) arranged on the circle concentric with the retainer (41), and arranged in the circumference direction thereof.



No. of Pages : 32 No. of Claims : 3

## (54) Title of the invention : ROTARY CONNECTOR UNIT

(51) International classification :B60R16/027,H01R35/04  
 (31) Priority Document No :2010-078596  
 (32) Priority Date :30/03/2010  
 (33) Name of priority country :Japan  
 (86) International Application No :PCT/JP2011/057343  
 Filing Date :25/03/2011  
 (87) International Publication No :WO 2011/122472  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

## (71)Name of Applicant :

**1)FURUKAWA ELECTRIC CO., LTD.**

Address of Applicant :2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 1008322 JAPAN

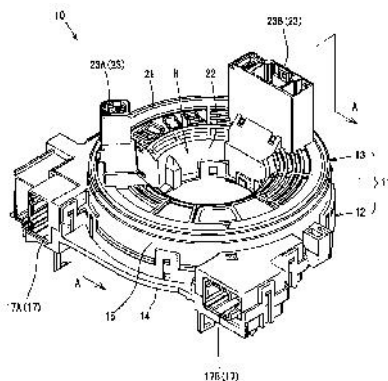
**2)FURUKAWA AUTOMOTIVE SYSTEMS INC.**

## (72)Name of Inventor :

**1)ARAKAWA Hayato**

## (57) Abstract :

Provided is a rotary connector unit and a fitting structure for the rotary connector unit and an angle detection unit. The rotary connector unit can produce silent and comfortable driving without generating harsh sounds such as impact and rubbing noises when a steering gear rotates. A stator (12) and a rotator (13) are concentric with the steering gear and are rotated relative thereto. A torque transmission part (61) is concentric with an angle detection rotary part (33) of an angle detection sensor (31) used to detect the angle of the steering gear. The torque transmission part (61) transmits rotary torque from the steering gear to the angle detection rotary part (33). A fitting part (62) is formed on the torque transmission part (61) so as to be fitted to a corresponding fitting part (34) that is formed on at least a portion of the angle detection rotary part (33) in the circumferential direction thereof. A contact fitting portion (62t) of the fitting part (62) is tapered toward the corresponding fitting part (34). The contact fitting portion (62t) is brought into contact with and fitted to the corresponding fitting part (34).



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1465/KOL/2011 A

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 17/05/2013

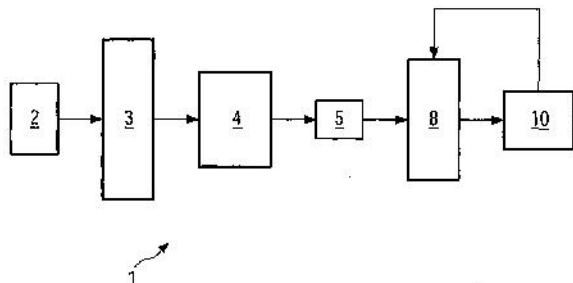
(54) Title of the invention : A SYSTEM AND METHOD FOR ANALYZING A PIECE OF CODE

(51) International classification :G06F11/36A2  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No : NA  
(61) 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)TUSHAR SHARMA**

(57) Abstract :

A system and a method for analyzing a piece of code A system (1) for analyzing a piece of code (2) includes an interface (3) adapted to provide the piece of code (2) as an input to a processor (4), and the processor (4) adapted to receive the piece of code (2) and to process the piece of code (2) for providing a data (5) representative of a data dependency and a structural dependency of one part (11) of the piece of code (2) onto another part (11) of the piece of code (2). The data dependency defines interdependency of one part (11) of the piece of code (2) onto another part (11) of the piece of code (2) for receiving input while execution of the piece of code (2) and the structural dependency defines control of one part (11) of the piece of code (2) onto another part (11) of the piece of code (2).



No. of Pages : 25 No. of Claims : 14

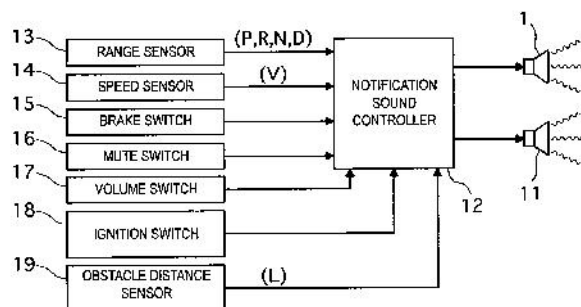
## (54) Title of the invention : VEHICLE NOTIFICATION SOUND EMITTING APPARATUS

(51) International classification :B60Q5/00  
 (31) Priority Document No :2010-026126  
 (32) Priority Date :09/02/2010  
 (33) Name of priority country :Japan  
 (86) International Application No :PCT/IB2011/000205  
 Filing Date :07/02/2011  
 (87) International Publication No :WO 2011/098885  
 (61) 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)YOSHINO Hideo**  
**2)KANUMA Tsuyoshi**  
**3)SAITO Hironori**  
**4)KIMURA Katsumi**  
**5)WATANABE Yuji**  
**6)YAMAMOTO Toshiyuki**

## (57) Abstract :

A vehicle notification sound emitting apparatus is basically provided with a sound emitting device (1,11) and a notification sound control device (12). The sound emitting device (1,11) emits forward and reverse advancement notification sounds outside of a vehicle to inform a person in an area surrounding the vehicle that the vehicle will move. The notification sound control device operates the sound emitting device (1,11) to selectively emit the forward and reverse movement notifications. The notification sound control device includes forward and reverse advancement notification sound emission timing sections (steps S 12 to S15 step S43). A start timing of the forward advancement notification sound is set in response to both a forward movement shift operation having been performed and an additional start movement preparation operation of the vehicle having been performed. A start timing of the reverse movement notification sound is set to be emitted immediately in response to the reverse movement shift operation having been performed.



No. of Pages : 41 No. of Claims : 4



(54) Title of the invention : WATERMARK SIGNAL PROVISION AND WATERMARK EMBEDDING

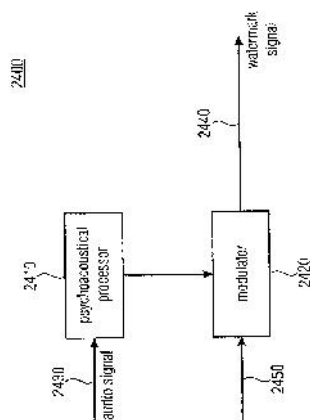
(51) International classification :G10L19/00  
 (31) Priority Document No :10154956.6  
 (32) Priority Date :26/02/2010  
 (33) Name of priority country :EPO  
 (86) International Application No :PCT/EP2011/052605  
 Filing Date :22/02/2011  
 (87) International Publication No :WO 2011/104233  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

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A watermark signal provider (2400) for providing a watermark signal (2440) suitable for being hidden in an audio signal (2430) when the watermark signal is added to the audio signal, such that the watermark signal represents watermark data (2450) is described. The watermark signal provider comprises a psychoacoustical processor (2410) for determining a masking threshold of the audio signal; and a modulator (2420) for generating the watermark signal from a superposition of sample-shaping functions spaced apart from each other at a sample time interval ( $T_b$ ) of a time discrete representation of the watermark data, each sample shaping function being amplitude-weighted with a respective sample of the time-discrete representation, multiplied by a respective amplitude weight depending on the masking threshold, the modulator being configured such that the sample time interval is shorter than a time extension of the sample shaping functions; and the respective amplitude weight also depends on samples of the time-discrete representation neighboring the respective sample in time.



No. of Pages : 77 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2322/KOLNP/2012 A

(19) INDIA

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

(43) Publication Date : 17/05/2013

(54) Title of the invention : FABRIC SOFTENER ACTIVE COMPOSITION

(51) International classification :C11D1/62,C11D3/00,C11D3/20  
(31) Priority Document No :61/319,950  
(32) Priority Date :01/04/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No:PCT/EP2011/054107  
Filing Date :18/03/2011  
(87) International Publication No :WO 2011/120822  
(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)KÖHLE, Hans-Jürgen**  
**2)KOTTKE, Ulrike**  
**3)JAKOB, Harald**  
**4)HILDEBRAND, Jens**

(57) Abstract :

A fabric softener active composition, comprising at least 0 % by weight of a bis-(2-hydroxypropyl)-dimethylammonium 5 methylsulphate fatty acid ester having a molar ratio of fatty acid moieties to amine moieties of from 1.5 to 1.99, wherein the average chain length of the fatty acid moieties is from 16 to 18 carbon atoms and the iodine value of the fatty acid moieties, calculated for the free fatty acid, is from 0.5 to 50 and from 0.5 to 5 % by weight fatty acid provides high softening performance and good storage stability in aqueous dispersion and can be handled and processed in a liquid state without addition of a flammable solvent.

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

(54) Title of the invention : SHOE WITH WATERPROOF AND VAPOR-PERMEABLE UPPER AND SOLE

(51) International classification :A43B7/08,A43B7/12,A43B9/02  
 (31) Priority Document No :PD2010A000037  
 (32) Priority Date :10/02/2010  
 (33) Name of priority country :Italy  
 (86) International Application No:PCT/EP2011/050921  
 Filing Date :24/01/2011  
 (87) International Publication No :WO 2011/098344  
 (61) Patent of Addition to  
 Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application  
 Number :NA  
 Filing Date :NA

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(72)Name of Inventor :

**1)POLEGATO MORETTI Mario**

(57) Abstract :

A shoe (10) with waterproof and vapor-permeable upper and sole, comprising - an upper assembly (11) which at least comprises, in a stratified manner, a vapor-permeable or perforated outer upper (12), a vapor permeable inner lining (13), and, between them, a functional element,- an insole (15) having at least one waterproof vapor permeation region (A), -a bottom with a breathable sole (16). The functional element of the upper (14) is firmly joined to the upper (12) which ends toward the insole (15) with a sealing band (17) covered by an edge (18) being associated with a perimetric rim (19) of the insole (15), furthermore - the insole (15) selectively comprises or is joined to at least one lower functional element (20) having at least one band (22) which is free from the protective element (21),- a mutual waterproof seal is provided between the functional element of the upper (14), at the sealing band (17), and the at least one lower functional element (20) at the band (22).

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

(54) Title of the invention : MIXING DEVICE HAVING A WEAR-RESISTANT LINING

(51) International classification :B01F9/00,B01F9/12,B65D90/62  
 (31) Priority Document No :10 2010 027 885.8  
 (32) Priority Date :16/04/2010  
 (33) Name of priority country :Germany  
 (86) International Application No :PCT/EP2011/056005  
 Filing Date :15/04/2011  
 (87) International Publication No:WO 2011/128435  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

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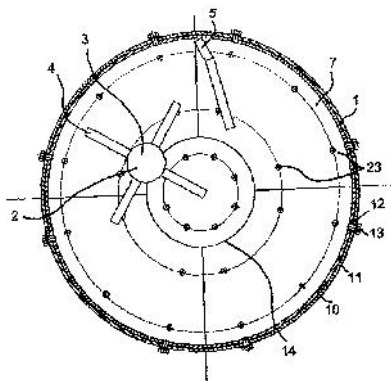
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(72)Name of Inventor :

**1)DOERR, Martin****2)WÖRNER, Wolfgang****3)GERL, Stefan****4)SCHMITT, Clemens****5)WAGNER, Peter**

(57) Abstract :

The present invention relates to a mixing device, comprising a vessel for receiving material for mixing, which can be rotated about a vessel axis and has a discharge opening (14) disposed in the base thereof, a mixing tool (2) disposed in the interior of the vessel, and a closure lid for closing the discharge opening, wherein the vessel base and/or the closure lid are provided with a wear resistant lining on the side facing the interior of the vessel. In order to provide a mixing device having a wear resistant lining which is less prone to wear, and in the event of wear can be replaced more easily and above all more cost-effectively, according to the invention the wear resistant lining consists of a main lining part (31) and a wear element (28), wherein the wear element (28) is disposed closer to the vessel axis than the main lining part (31).



No. of Pages : 30 No. of Claims : 13

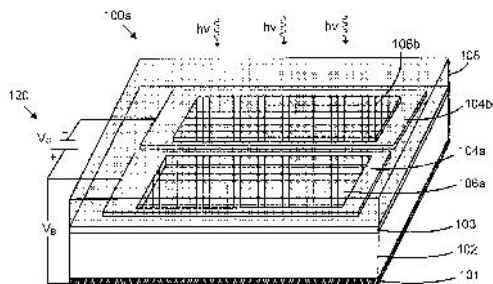
(54) Title of the invention : ELECTRONIC GATE ENHANCEMENT OF SCHOTTKY JUNCTION SOLAR CELLS

(51) International classification :H01L31/07,H01L31/042,H01L31/0224  
 (31) Priority Document No :61/328,417  
 (32) Priority Date :27/04/2010  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/US2011/034107  
 Filing Date :27/04/2011  
 (87) International Publication No :WO 2011/139754  
 (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)WADHWA, Pooja**  
**3)GUO, Jing**  
**4)SEOL, Gyungseon**

## (57) Abstract :

Various systems and methods are provided for Schottky junction solar cells. In one embodiment, a solar cell includes a mesh layer formed on a semiconductor layer and an ionic layer formed on the mesh layer. The ionic layer seeps through the mesh layer and directly contacts the semiconductor layer. In another embodiment, a solar cell includes a first mesh layer formed on a semiconductor layer, a first metallization layer coupled to the first mesh layer, a second high surface area electrically conducting electrode coupled to the first metallization layer by a gate voltage and an ionic layer in electrical communication with the first mesh layer and the second high surface area electrically conducting electrode. In another embodiment, a solar cell includes a grid layer formed on a semiconductor layer and an ionic layer in electrical communication with the grid layer and the semiconductor layer.



No. of Pages : 45 No. of Claims : 20

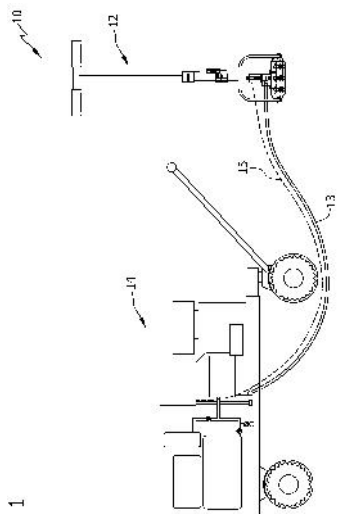
(54) Title of the invention : HIGH PRESSURE INJECTION SYSTEM FOR APPLYING A PESTICIDE BENEATH THE SURFACE OF THE GROUND

(51) International classification :A01M17/00,A01M21/04,A01C23/02  
 (31) Priority Document No :61/307172  
 (32) Priority Date :23/02/2010  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/US2011/025908  
 Filing Date :23/02/2011  
 (87) International Publication No :WO 2011/106410  
 (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)WARRINER, Richard, A.**  
**3)DES, GARENNE, Chris**  
**4)VAN DRUMPT, Peter**

(57) Abstract :

A high pressure injection system for applying pesticide includes a portable, handheld application tool and a manifold head connected thereto. The manifold head has at least one internal passage. At least one high pressure nozzle is positioned in the manifold head and in fluid communication with the at least one internal passage. The at least one high pressure nozzle is operable at pressures between about 25 psi and about 10,000 psi. A contact plate is mounted to the manifold head and has at least one opening aligned with the at least one high pressure nozzle. A source of pesticide is fluidly connected to the at least one high pressure nozzle. A discharge valve is moveable between a closed position wherein pesticide is inhibited from flowing to the at least one high pressure nozzle and an opened position wherein pesticide flows to the at least one high pressure nozzle.



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

## (54) Title of the invention : FLUID CONTROL VALVE ASSEMBLY

(51) International classification :F16K27/02,F16K1/32,F16K31/68

(31) Priority Document No :2010-102556

(32) Priority Date :27/04/2010

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2011/052286

Filing Date :03/02/2011

(87) International Publication No :WO 2011/135883

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

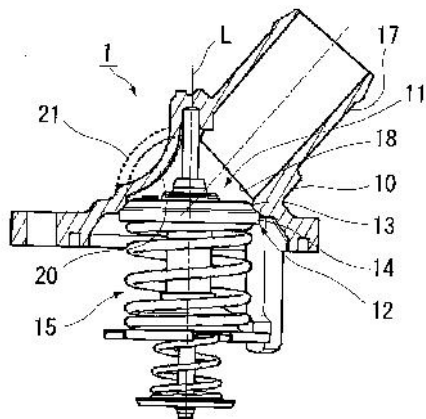
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(72)Name of Inventor :

**1)KUSAKABE, Fumito**

## (57) Abstract :

Provided is a fluid control valve assembly which reduces pressure loss as much as possible in a fluid passage line including a fluid control valve, thereby minimizing the pressure for a fluid to pass therethrough and thus ensuring a required amount of flow without upsizing the overall assembly. The fluid control valve assembly is adapted such that an upstream pipe (17) forming an upstream fluid passageway and tilted at a predetermined angle relative to a valve axis (L) is provided to face an upstream chamber (11). The upstream chamber is formed upstream of a valve portion (12) which has a valve seat (13) and a valve body (14) in a valve housing (10) and which can open and close the fluid passageway. The wall surface of the upstream chamber is integrated with a swelling (20), which is projected in the chamber to thereby rectify and guide the fluid flowing therein through the upstream pipe so that the fluid smoothly flows to the valve portion.



No. of Pages : 23 No. of Claims : 4

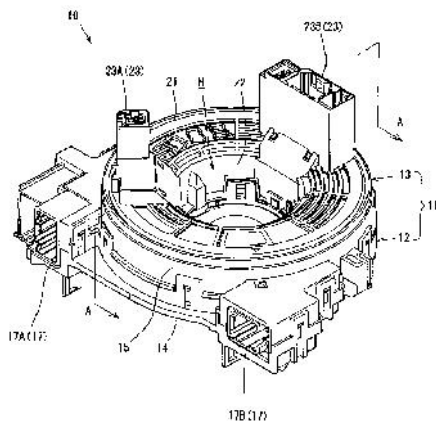
## (54) Title of the invention : ROTARY CONNECTOR DEVICE

(51) International classification :H01R35/04,B60R16/027,B62D1/04  
 (31) Priority Document No :2010-078595  
 (32) Priority Date :30/03/2010  
 (33) Name of priority country :Japan  
 (86) International Application No :PCT/JP2011/057342  
 Filing Date :25/03/2011  
 (87) International Publication No :WO 2011/122471  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

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 (72)Name of Inventor :  
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## (57) Abstract :

The disclosed rotary connector device can enable quiet and comfortable travel in which unpleasant noises do not occur, even when a flat cable and a cable housing collide and rub off each other due to the vibration of a travelling vehicle, and can also prevent damage caused by the wear of the flat cable. The connector device is configured from: a stator (12) and a rotator (13) which rotate relative to each other; and an accommodation space (S), inside the stator (12) and the rotator (13), which accommodates a cable (C) in a wound state, said cable (C) electrically connecting the rotator (13) side and the stator (12) side. A guide protruding part (16) which protrudes towards the accommodation space (S) above the wound cable (C), and which guides the cable (C) from above is formed on the upper section of an outer peripheral tube section (15) provided on the stator (12). The under surface (16u) of the guide protrusion part (16) is formed in a shape that is gradually deformed upwards towards a tip.



No. of Pages : 24 No. of Claims : 2



(54) Title of the invention : PREPARATION METHOD FOR STAINLESS STEEL SLAGS AND STEEL WORKS SLAGS FOR RECOVERY OF METAL

(51) International classification :C21B3/04,B02C15/00,C04B5/00  
 (31) Priority Document No :102010010385.3  
 (32) Priority Date :05/03/2010  
 (33) Name of priority country :Germany  
 (86) International Application No :PCT/EP2010/006879  
 Filing Date :11/11/2010  
 (87) International Publication No :WO 2011/107124  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

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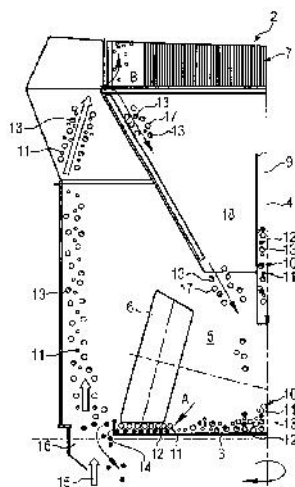
**2)DARDEMAN, Frank**

**3)LANGEL, Joerg**

**4)WULFERT, Holger**

(57) Abstract :

The invention relates to a preparation method for stainless steel slags and modified steelmaking slags for recovering metal. In order to create a dry-operating preparation method that ensures low-wear and energy-efficient comminution and deagglomeration of stainless steel slags and modified steelmaking slags and highly precise separation of a metal fraction and a silicate fraction and that can be variably designed regarding the different slag compositions and different requirements for the quality of the metal fraction and the at least one silicate fraction, a roller mill is used at least for the comminution. The slags are fed at a feed grain size up to approximately 150 mm. The use of an air swept roller mill in which the comminution and deagglomeration, if necessary drying, and at the same time separation into a substantially mineral-free metal fraction and a nearly metal-free silicate fraction are combined, is advantageous. If an overflow roller mill is used, the metal fraction and the silicate fraction are separated in an external separating device.



No. of Pages : 28 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2341/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/08/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : PROCESS FOR PREPARING SILICON-CONTAINING AZO-DICARBAMIDES

(51) International classification :C07F7/18  
(31) Priority Document No :102010003387.1  
(32) Priority Date :29/03/2010  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2011/053824  
Filing Date :15/03/2011  
(87) International Publication No :WO 2011/120792  
(61) Patent of Addition 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)KECK, Julia**  
**3)WITZSCHE, Susann**  
**4)KLOCKMANN, Oliver**  
**5)MONKIEWICZ, Jaroslaw**  
**6)SPRINGER, Christian**

(57) Abstract :

The invention relates to a process for preparing silicon-containing azodicarbamides of the general formula (I)  $(R_1)_3(-a(R_2)_aSi-R_1-NH-C(O)-N=N-C(O)-NH-R_1-Si(R_1)_3-a(R_2)_a(I))$ , by reaction of azobiscarboxy compounds of the general formula II  $R_3-X_1-C(O)-N=N-C(O)-X_1-R_4(II)$  with aminosilanes of the general formula III  $(R_1)_3(-a(R_2)_aSi-R_1-NH_2(III))$ .

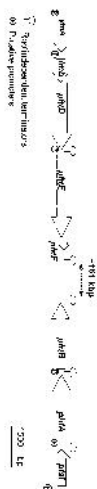
No. of Pages : 21 No. of Claims : 9

(54) Title of the invention : TREATMENT OF STREPTOCOCCAL INFECTIONS

(51) International classification	:A61K39/09,A61P31/04	(71)Name of Applicant :
(31) Priority Document No	:1003920.4	1)GLAXOSMITHKLINE BIOLOGICALS S.A.
(32) Priority Date	:09/03/2010	Address of Applicant :Rue de l'institut 89, B-1330 Rixensart
(33) Name of priority country	:U.K.	BELGIUM
(86) International Application No	:PCT/EP2011/053485	(72)Name of Inventor :
Filing Date	:08/03/2011	1)DENOEL, Philippe
(87) International Publication No	:WO 2011/110570	2)HERMAND, Philippe Vincent
(61) Patent of Addition to Application Number	:NA	3)LABBE, Steve
Filing Date	:NA	4)POOLMAN, Jan
(62) Divisional to Application Number	:NA	5)RIOUX, Stephane
Filing Date	:NA	

(57) Abstract :

The present invention discloses a method of treating or preventing a Streptococcus pneumoniae infection wherein the Streptococcus pneumoniae infection occurs in an environment where the free concentration of Zn<sup>2+</sup> and/or Mn<sup>2+</sup> is sufficiently low to upregulate the expression of at least one PhtX protein (for example PhtD) in the Streptococcus pneumoniae; comprising the step of administering a pharmaceutically effective amount of the PhtX protein to a human patient.



No. of Pages : 83 No. of Claims : 75

(54) Title of the invention : ADJUSTING DEVICE, IN PARTICULAR HEIGHT OR LONGITUDINAL ADJUSTING DEVICE FOR MOTOR VEHICLE SEATS

(51) International classification :B60N2/16,B60N2/42,B60N2/06  
 (31) Priority Document No :10 2010 002 964.5  
 (32) Priority Date :17/03/2010  
 (33) Name of priority country :Germany  
 (86) International Application No:PCT/EP2011/053462  
     Filing Date :08/03/2011  
 (87) International Publication No :WO 2011/113725  
 (61) Patent of Addition to  
     Application Number :NA  
     Filing Date :NA  
 (62) Divisional to Application  
     Number :NA  
     Filing Date :NA

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## (57) Abstract :

The invention relates to an adjusting device, in particular a height or longitudinal adjusting device for motor vehicle seats, comprising a threaded spindle that is rotatably mounted in a gearbox housing at one end and in a receiving unit at the other end, said receiving unit having an inner thread that is adapted to the spindle thread. The adjusting device also comprises a motor unit that is operatively connected to the threaded spindle. The aim of the invention is to provide an adjusting device and a seat base frame for motor vehicle seats with an adjusting device that transmits forces that occur in the event of a crash to the required degree. This is achieved in that a reinforcing element is provided in the gearbox housing such that said element is suitable for receiving forces that act in the longitudinal axial direction of the threaded spindle in the event of a crash.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2337/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/08/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : FABRIC SOFTENER ACTIVE COMPOSITION

(51) International classification :C11D1/62,C11D3/20,C11D3/00  
(31) Priority Document No :61/319,997  
(32) Priority Date :01/04/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No:PCT/EP2011/054282  
Filing Date :22/03/2011  
(87) International Publication No :WO 2011/120836  
(61) Patent of Addition to :NA  
Application Number :NA  
Filing Date :NA  
(62) Divisional to Application :NA  
Number :NA  
Filing Date :NA

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**3)EULER, Axel**

**4)JAKOB, Harald**

**5)MELEDATHU, Saji John**

**6)KURTH, Todd L.**

**7)YOUNG, Delbert G.**

**8)HAMANN, Ingo**

**9)SCHICK, Georg**

(57) Abstract :

A fabric softener active composition, comprising from 65 to 95 % by weight of a bis -(2- hydroxyethyl)-dimethylammonium chloride fatty acid ester having a molar ratio of fatty acid moieties to amine moieties of from 1.80 to 1.96 an average chain length of the fatty acid moieties of from 16 to 18 carbon atoms and an iodine value of from 0 to 50, from 2 to 8 % by weight of a fatty acid triglyceride having an average chain length of the fatty acid moieties of from 10 to 14 carbon atoms and an iodine value of from 0 to 15, and from 3 to 12 % by weight of an alcohol selected from ethanol, 1- propanol and 2-propanol has low melt viscosity, high stability towards dealkylation in the molten state and low flammability.

No. of Pages : 16 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2338/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/08/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : ABSORPTION HEAT PUMP WITH SORBENT COMPRISING A LITHIUM SALT AND AN ORGANIC SALT WITH THE SAME ANION

(51) International classification	:C09K5/04
(31) Priority Document No	:10160434.6
(32) Priority Date	:20/04/2010
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2011/056104
Filing Date	:18/04/2011
(87) International Publication No	:WO 2011/131606
(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)SCHNEIDER, Rolf**

**3)ZEHNACKER, Olivier**

**4)SCHNEIDER, Marc-Christoph**

(57) Abstract :

An absorption heat pump with a sorbent comprising a lithium salt and at least one organic salt with an organic cation Q<sup>+</sup>, the lithium salt and organic salt having the same anion, the anion having a molar mass of not more than 200 g/mol and not being halide, and the organic cation Q<sup>+</sup>, having a molar mass of not more than 200 g/mol, exhibits an improved degassing range of the working medium composed of refrigerant and sorbent.

No. of Pages : 23 No. of Claims : 16

(54) Title of the invention : CONTINUOUS CASTING METHOD FOR STEEL AND METHOD FOR MANUFACTURING STEEL SHEET

(51) International classification :B22D11/115,B21B1/22,B22D11/00  
 (31) Priority Document No :2010-053869  
 (32) Priority Date :10/03/2010  
 (33) Name of priority country :Japan  
 (86) International Application No :PCT/JP2011/056122  
 Filing Date :09/03/2011  
 (87) International Publication No :WO 2011/111858  
 (61) Patent of Addition 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 :

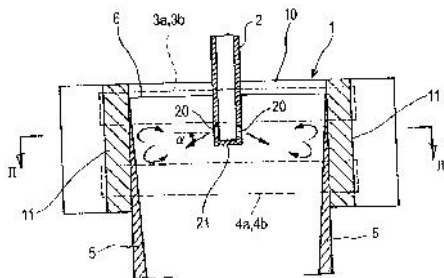
**1)MIKI Yuji**

**2)MURAI Takeshi**

**3)OHNO Hiroyuki**

(57) Abstract :

Provided is a method for continuously casting an ultralow-carbon steel, the method including using a continuous casting machine equipped with a pair of upper magnetic poles, a pair of lower magnetic poles, and an immersion nozzle having a molten-steel ejection angle of 10-30°, excluding 30°, to produce the steel while controlling the flow of molten steel by means of direct-current magnetic fields to be applied respectively to the upper magnetic poles and the lower magnetic poles. The contents of chemical components of the ultralow-carbon steel are regulated so as to be within given ranges determined while taking account of the interfacial-tension gradient present in a concentration boundary layer formed in the front surface of the solidified shell. According to the width of the slab to be cast and to the casting speed, the intensities of the direct-current magnetic fields to be applied respectively to the upper magnetic poles and the lower magnetic poles are optimized. Thus a high quality cast slab having few defects caused by the inclusion of air bubbles, nonmetallic particles, or a mold flux can be obtained.



No. of Pages : 131 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2349/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/08/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHODS OF DIAGNOSING INFECTIOUS DISEASE PATHOGENS AND THEIR DRUG SENSITIVITY

(51) International classification :C12Q1/68,C12Q1/04,G01N33/15  
(31) Priority Document No :61/307,669  
(32) Priority Date :24/02/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2011/026092  
Filing Date :24/02/2011  
(87) International Publication No :WO 2011/106536  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)THE BROAD INSTITUTE, INC**  
Address of Applicant :7 Cambridge Center, 7034, Cambridge, MA 02142 UNITED STATES OF AMERICA  
**2)THE GENERAL HOSPITAL CORPORATION**  
**3)THE BRIGHAM AND WOMEN'S HOSPITAL, INC.**  
(72)Name of Inventor :  
**1)HUNG, Deborah**  
**2)GOMEZ, James**  
**3)COSIMI, Lisa**  
**4)NICOL, Rob**  
**5)BOROWSKY, Mark**  
**6)BARCZAK, Amy**  
**7)ONDERDONK, Andrew, B.**

(57) Abstract :

The specification relates generally to methods of detecting, diagnosing, and/or identifying pathogens, e.g. infectious disease pathogens and determining their drug sensitivity and appropriate methods of treatment. This invention also relates generally to methods of monitoring pathogen infection in individual subjects as well as larger populations of subjects.

No. of Pages : 127 No. of Claims : 26



(54) Title of the invention : INCREASING THE RESOLUTION OF COLOR SUB-PIXEL ARRAYS

(51) International classification :H04N5/335  
 (31) Priority Document No :12/712,146  
 (32) Priority Date :24/02/2010  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/US2011/025965  
 Filing Date :23/02/2011  
 (87) International Publication No :WO 2011/106461  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

(71)Name of Applicant :

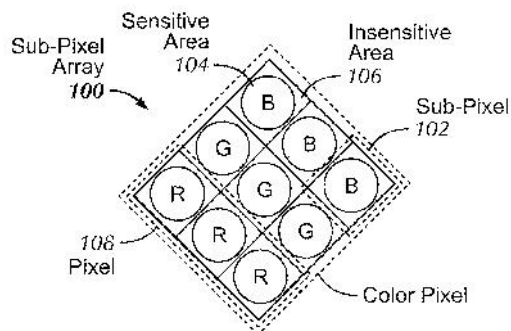
**1)PANAVISION IMAGING, LLC**Address of Applicant :One Technology Place, Homer, NY  
13077 UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)ZARNOWSKI, Jeffrey, J.****2)KARIA, Ketan, Vrajlal****3)POONNEN, Thomas****4)JOYNER, Michael, Eugene****5)LIU, Li**

(57) Abstract :

Increasing the resolution of digital imagers is disclosed by sampling an image using diagonally oriented color sub pixel arrays, and creating missing pixels from the sampled image data. A first method maps the diagonal color imager pixels to every other orthogonal display pixel. The missing display pixels can be computed by interpolating data from adjacent color imager pixels, and averaging color information from neighboring display pixels. This averaging can be done either by weighting the surrounding pixels equally, or by applying weights to the surrounding pixels based on intensity information. A second method utilizes the captured color imager sub pixel data instead of interpolation. Missing color pixels for orthogonal displays can be obtained directly from the sub pixel arrays formed between the row color pixels in the imager.



No. of Pages : 45 No. of Claims : 27

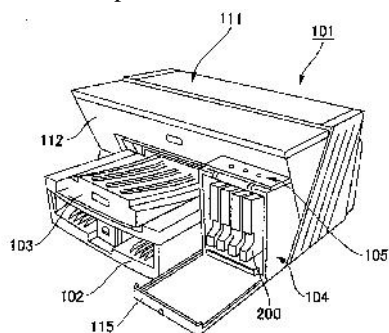
(54) Title of the invention : INKJET RECORDING INK SET, INKJET RECORDING METHOD AND RECORDED MATTER

(51) International classification :C09D11/00,B41J2/01,B41M5/00  
 (31) Priority Document No :2010-047995  
 (32) Priority Date :04/03/2010  
 (33) Name of priority country :Japan  
 (86) International Application No :PCT/JP2011/055435  
 Filing Date :02/03/2011  
 (87) International Publication No :WO 2011/108756  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

(71)Name of Applicant :  
**1)Ricoh Company, Ltd.**  
 Address of Applicant :3-6, NAKAMAGOME 1-CHOME,  
 OHTA-KU, TOKYO, 1438555 JAPAN  
 (72)Name of Inventor :  
**1)MATSUYAMA, Akihiko**  
**2)BANNAI, Akiko**  
**3)NAGAI, Kiyofumi**

## (57) Abstract :

An inkjet recording ink set including: a black ink; and color inks composed of a cyan ink a magenta ink and a yellow ink, wherein the black ink contains a water-soluble solvent, a surfactant, water, and colored polymer emulsion particles obtained by dispersing, in water, carbon black coated with a vinyl polymer or a polyester polymer, wherein the cyan ink, the magenta ink and the yellow ink each contain a corresponding color dye, a water-soluble solvent, and water, and wherein an amount S of the water-soluble solvent contained in each color ink occupies 40% by mass or more of a total amount of each color ink, a ratio (S/W) of the amount S of the water soluble solvent to an amount W of the water contained in each color ink is in the range of 0.7 to 1.6 and each color ink does not have a flash point.



No. of Pages : 83 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2353/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/08/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : CONSTRAINED FOLDED PATH RESONANT WHITE LIGHT SCINTILLATOR

(51) International classification :F21K99/00,G02B6/42,H01L33/50

(31) Priority Document No :12/716,337

(32) Priority Date :03/03/2010

(33) Name of priority country :U.S.A.

(86) International Application  
No :PCT/US2011/021465

Filing Date :17/01/2011

(87) International Publication  
No :WO 2011/109122

(61) Patent of Addition to  
Application Number :NA

Filing Date :NA

(62) Divisional to Application  
Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)LUMENFLOW CORP.**

Address of Applicant :4611 North M-37 Highway, Suite B,  
Middleville, Michigan 49333 UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)BRUNT, Harold W., Jr.**

**2)BOURGET, Paul L.**

(57) Abstract :

An optical emitter enabling conversion of light from a light source. The optical emitter includes a first conic reflector defining an aperture for receiving the light source, a second conic reflector opposite the first conic reflector for collimating light emitted by the light source, and a volumetric light conversion element between at least a portion of the first reflector and at least a portion of the second reflector. The optical emitter can also include a convex mirror adjacent the vertex of the second conic reflector and an elliptical element adjacent the first conic reflector. The light conversion element can include phosphor dispersed in a resin to convert light from a first wavelength to light of a second, longer, wavelength, wherein converted light is emitted from the light conversion element.

No. of Pages : 25 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2354/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/08/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : N-CARBOMETHOXY-N-METHOXY-(2-CHLOROMETHYL)-ANILINES, THEIR PREPARATION AND THEIR USE AS PRECURSORS FOR PREPARING 2-(PYRAZOL-3'-YLOXYMETHYLENE)-ANILIDES

(51) International classification :C07C269/06,C07D231/10,C07B39/00  
(31) Priority Document No :61/315,061  
(32) Priority Date :18/03/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/EP2011/054020  
Filing Date :17/03/2011  
(87) International Publication No :WO 2011/113884  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

**1)BASF SE**

Address of Applicant :67056 Ludwigshafen GERMANY

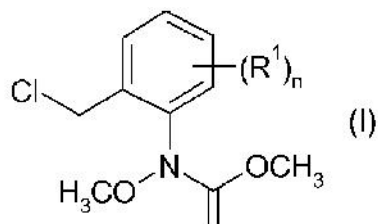
(72)Name of Inventor :

**1)DOCHNAHL,Maximilian**

**2)MÜLLER, Bernd**

(57) Abstract :

The present invention relates to N-carbomethoxy- N-methoxy-(2-chloromethyl)-aniline compounds of the formula I, wherein: n is 0, 1, 2 or 3, each R<sup>1</sup> is independently selected from halogen C1-C4-alkyl,C1-C4-haloalkyl,C1-C4-alkoxy or C1-C4-haloalkoxy. The invention also relates to processes and intermediates for preparing such compounds of formula I. The invention furthermore relates to processes for preparing 2-(pyrazol-3- yloxyethylene)-anilides in which compounds of formula I are applied as precursors.



No. of Pages : 44 No. of Claims : 15

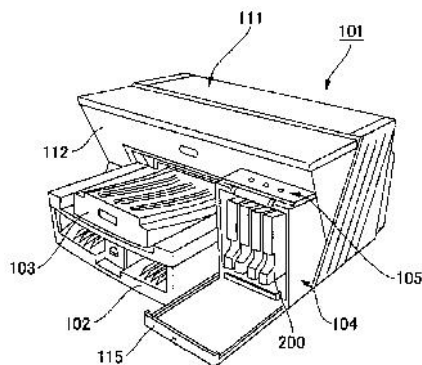
(54) Title of the invention : INKJET RECORDING INK SET, INKJET RECORDING METHOD, AND RECORDED MATTER

(51) International classification :C09D11/00,B41J2/01,B41M5/00  
 (31) Priority Document No :2010-049226  
 (32) Priority Date :05/03/2010  
 (33) Name of priority country :Japan  
 (86) International Application No :PCT/JP2011/054668  
 Filing Date :23/02/2011  
 (87) International Publication No :WO 2011/108556  
 (61) Patent of Addition 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)MATSUYAMA, Akihiko**  
**2)NAGAI, Kiyofumi**

(57) Abstract :

An inkjet recording ink set including a black ink and color inks, wherein the black ink and the color inks each contain at least a dye, a water-soluble solvent and water and each have a viscosity of 5 mPa-s to 20 mPa s at 25°C, and wherein the respective color inks each satisfy a mass ratio relationship of S/W = 1, and the black ink satisfies a mass ratio relationship of S/W < 1, where S denotes an amount of the water- soluble solvent contained in the respective inks, and W denotes an amount of the water contained in the respective inks.



No. of Pages : 53 No. of Claims : 5

(54) Title of the invention : APPARATUS FOR GENERATING AN ENHANCED DOWNMIX SIGNAL, METHOD FOR GENERATING AN ENHANCED DOWNMIX SIGNAL AND COMPUTER PROGRAM

(51) International classification :G10L19/00  
 (31) Priority Document No :61/307,553  
 (32) Priority Date :24/02/2010  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/EP2011/052246  
 Filing Date :15/02/2011  
 (87) International Publication No :WO 2011/104146  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

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**1)FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG  
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 GERMANY

## (72)Name of Inventor :

**1)KÜCH, Fabian**

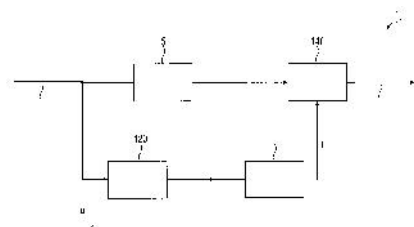
**2)HERRE, Jürgen**

**3)FALLER, Christof**

**4)TOURNERY, Christophe**

## (57) Abstract :

An apparatus for generating an enhanced downmix signal on the basis of a multi channel microphone signal comprises a spatial analyzer configured to compute a set of spatial cue parameters comprising a direction information describing a direction of arrival of a direct sound, a direct sound power information and a diffuse sound power information on the basis of the multi channel microphone signal. The apparatus also comprises a filter calculator for calculating enhancement filter parameters in dependence on the direction information describing the direction of arrival of the direct sound, in dependence on the direct sound power information and in dependence on the diffuse sound power information. The apparatus also comprises a filter for filtering the microphone signal, or a signal derived therefrom using the enhancement filter parameters, to obtain the enhanced downmix signal.



No. of Pages : 52 No. of Claims : 17

(54) Title of the invention : METHOD AND SYSTEM FOR INDICATING THE TRANSMISSION MODE FOR UPLINK CONTROL INFORMATION

(51) International classification :H04J11/00,H04B7/26,H04W88/08  
 (31) Priority Document No :61/331,272  
 (32) Priority Date :04/05/2010  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/KR2011/003296  
 Filing Date :03/05/2011  
 (87) International Publication No :WO 2011/139068  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

(71)Name of Applicant :

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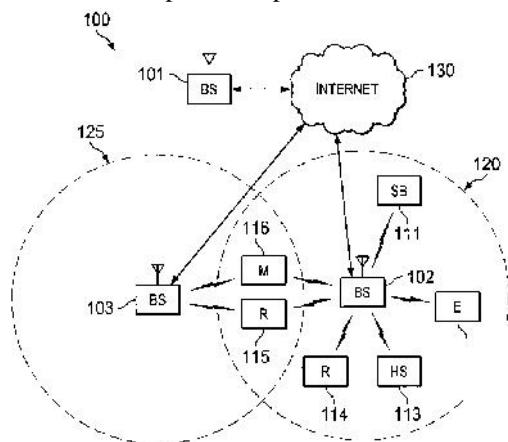
(72)Name of Inventor :

**1)ZHANG, Jianzhong**

**2)NAM, Young Han**

(57) Abstract :

A base station includes a transmit path circuitry to select one of a first UCI multiplexing method that allows a subscriber station to simultaneously transmit PUSCH and PUCCH and a second UCI multiplexing method that does not allow the subscriber station to simultaneously transmit PUSCH and PUCCH. The transmit path circuitry also transmits a higher layer signal indicating the one selected UCI multiplexing method and transmits one or more uplink grants. Each of the uplink grants schedules a PUSCH in an UL CC for a subframe n and each of the uplink grants carries a CQI request. The base station also includes a receive path circuitry to receive an aperiodic CSI report on the PUSCH in the uplink component carrier i when only one of the uplink grants scheduling a PUSCH in an uplink component carrier i carries a CQI request having a value from a set of values.



No. of Pages : 76 No. of Claims : 14

(54) Title of the invention : BOTTLE HOLDER FOR AN INJECTION DEVICE

(51) International classification :A61J1/16,A61M5/00,A61M5/14  
 (31) Priority Document No :10 2010 000 593.2  
 (32) Priority Date :01/03/2010  
 (33) Name of priority country :Germany  
 (86) International Application No :PCT/EP2011/051816  
 Filing Date :08/02/2011  
 (87) International Publication No:WO 2011/107327  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

(71)Name of Applicant :

**1)ULRICH GMBH & CO. KG**

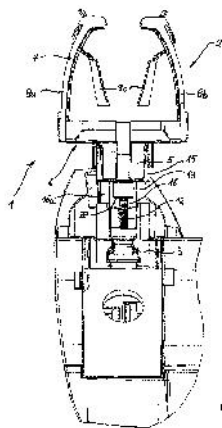
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(72)Name of Inventor :

**1)KAISER Jörg****2)KRANHOLD Thomas**

(57) Abstract :

The invention relates to a bottle holder (1) for an injection or infusion device, with a bottle receiver (2) for receiving a storage bottle, and with a spike secured on the bottle holder (1) for the purpose of punching an outlet opening into the storage bottle, or a holding means (3) for applying an exchangeable spike (4). In a development of such a bottle holder with which the infusion or injection device can be equipped as easily and as quickly as possible with a filled storage bottle, the invention proposes that the bottle receiver (2) is movable with respect to the spike (4) or with respect to the holding means (3) for the spike (4), and, when the bottle receiver (2) moves in the direction of the spike (4), a storage bottle arranged in the bottle receiver (2) is placed onto the spike (4) in such a way that the spike (4) punches an outlet opening into the storage bottle.



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



(54) Title of the invention : SUPERCHARGER WITH CONTINUOUSLY VARIABLE DRIVE SYSTEM

(51) International classification	:F02D23/00,F02M25/07,F02D41/00
(31) Priority Document No	:12/712,187
(32) Priority Date	:24/02/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2011/000377
Filing Date	:24/02/2011
(87) International Publication No	:WO 2011/104618
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

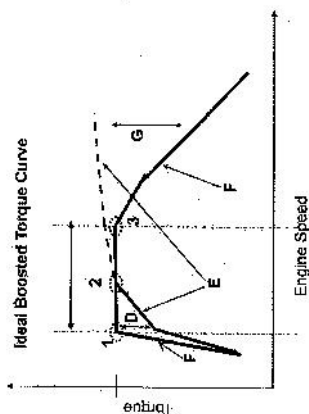
(71) **Name of Applicant :**  
**1)EATON CORPORATION**  
 Address of Applicant :Eaton Center, 1111 Superior Avenue,  
 Cleveland, OH 44114-2584, UNITED STATES OF AMERICA

(72) **Name of Inventor :**  
**1)OUWENGA, Daniel**  
**2)BEVAN, Karen, E.**

---

(57) Abstract :

An engine system includes a throttle valve configured to variably open and close to selectively restrict a volume of air flow. The engine system also includes a supercharger comprising an air inlet, an air outlet, a rotatable drive shaft and rotors associated with the drive shaft, wherein the supercharger is sized to have a flow rate that substantially prevents backwards leaking of air flow. The engine system further includes a combustion engine comprising combustion chambers and an associated rotatable crank shaft and a continuously variable transmission (CVT) configured to variably transfer rotational energy between the drive shaft and the crank shaft.



No. of Pages : 45 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2362/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :24/08/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHOD FOR PRODUCING AMMONIA

(51) International classification	:C01C1/02
(31) Priority Document No	:102010009500.1
(32) Priority Date	:26/02/2010
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2011/052928
Filing Date	:28/02/2011
(87) International Publication No	:WO 2011/104386
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
**1)SPAWNT PRIVATE S.A.R.L.**  
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Luxembourg,  
(72)**Name of Inventor :**  
**1)AUNER Norbert**

(57) Abstract :

The invention relates to a method for producing ammonia by reacting N<sub>2</sub> with H<sub>2</sub> to produce a low- temperature plasma discharge. Said gas mixture, in which the low temperature plasma discharge is produced, can also contain a diluted inert gas and/or admixtures favouring the plasma discharge. Also the reaction can take place in the presence of a catalyst.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2363/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :24/08/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : METHODS AND SYSTEMS FOR VERIFYING TRANSACTIONS

(51) International classification :G06Q20/00

(31) Priority Document No :61/320,597

(32) Priority Date :02/04/2010

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/AU2011/000377

Filing Date :31/03/2011

(87) International Publication No :WO 2011/120098

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)ISIGNTHIS LTD.**

Address of Applicant :Sea Meadow House, Blackburne Highway, Road Town Tortola, British Virgin Islands

(72)Name of Inventor :

**1)KARANTZIS, Nickolas John**

(57) Abstract :

An aspect of the present invention provides a computer-implemented method for verifying authorisation of a transaction. The method comprises the steps of: receiving a request to process an electronic transaction for a predetermined amount of money (215); dividing the predetermined amount into a plurality of charges (225); providing the plurality of charges to facilitate debiting of a financial instrument with each of the plurality of charges (235); receiving information relating to the plurality of charges from a user of the financial instrument after debiting of the charges (245); and verifying the transaction only if the information is correct (255).

No. of Pages : 53 No. of Claims : 51

(54) Title of the invention : ACCOMMODATING INTRAOCULAR LENS USING TRAPEZOIDAL PHASE SHIFT

(51) International classification :A61F2/16  
 (31) Priority Document No :61/316,735  
 (32) Priority Date :23/03/2010  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/US2011/027685  
 Filing Date :09/03/2011  
 (87) International Publication No :WO 2011/119334  
 (61) Patent of Addition 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

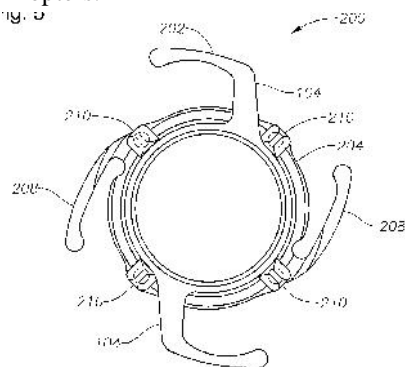
(72)Name of Inventor :

**1)HONG, Xin****2)KARAKELLE, Mutlu****3)TRAN, Son****4)ZHANG, Xiaoxiao****5)CHOI, Myoung Taek**

(57) Abstract :

An accommodating intraocular lens (AIOL) includes an optic adapted to produce a trapezoidal phase shift and a plurality of haptics. Each haptic extends from a haptic optic junction to at least one transverse arm contacting a capsular bag of the eye, and each haptic has sufficient length and rigidity to stretch a capsular bag of the eye to contact ciliary muscles of the eye. The haptic optic junctions vault the optic forward relative to the haptics and compression of the haptics by the ciliary muscles moves the anterior optic forward. A combined accommodative power produced by the motion of the anterior optic and the trapezoidal phase shift is at least 0.5 Diopters.

Fig. 3



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

(54) Title of the invention : A METHOD AND APPARATUS FOR REGULATING THE TEMPERATURE OF A PLURALITY OF ROOMS IN A BUILDING

(51) International classification :G05D23/19  
 (31) Priority Document No :MI2010A000433  
 (32) Priority Date :17/03/2010  
 (33) Name of priority country :Italy  
 (86) International Application No :PCT/IB2010/056047  
 Filing Date :23/12/2010  
 (87) International Publication No :WO 2011/114200  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

(71)Name of Applicant :

**1)I.V.A.R. S.P.A.**

Address of Applicant :Via IV Novembre, 181, I-25080  
 Prevalle (Brescia) ITALY

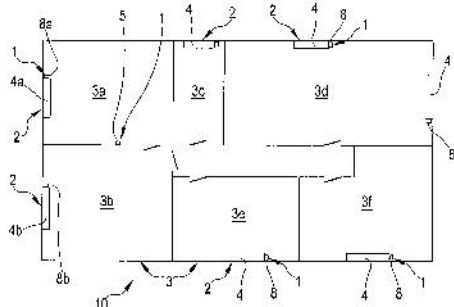
(72)Name of Inventor :

**1)OLIVOTTI, Sergio**

**2)BERTOLOTTI, Umberto**

(57) Abstract :

A method for regulating a temperature in a plurality of rooms (3) of a building comprising steps of detecting a first ambient temperature measurement (TaI) in a first room (3a) with use of a thermostat (5) destined to command functioning of a first heat-regulating device (8a) mounted on a first radiator (4a) arranged in the first room (3 a), in a correlated way with the first ambient temperature measurement (TaI) and with a first set value (Tset1) of a desired temperature in the first room (3 a), detecting a first proximal temperature (Tpr1) by means of a first sensor (9a) arranged in proximity of the first radiator (4a), detecting a second ambient proximal temperature measurement (Tpr2) in a second room (3b) by means of a second sensor (9b) arranged in proximity of a second radiator (4b), correlating the measurement of the second proximal temperature (Tpr2) with a second set value (Ofs2) for a second heat regulating device (8b) and also at least with the first proximal temperature measurement (Tpr1) in order to obtain a second command value for the second radiator (4b), and commanding functioning of the second heat-regulating device (8b) mounted on the second radiator (4b) in a correlated way with the second command value.



No. of Pages : 36 No. of Claims : 10

## (54) Title of the invention : PISTON ASSEMBLY

(51) International classification :F02F3/00,F02F3/22  
 (31) Priority Document No :61/305,445  
 (32) Priority Date :17/02/2010  
 (33) Name of priority country :U.S.A.  
 (86) International Application No :PCT/EP2011/000754  
 Filing Date :17/02/2011  
 (87) International Publication No :WO 2011/101140  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

## (71)Name of Applicant :

**1)MAHLE INTERNATIONAL GMBH**

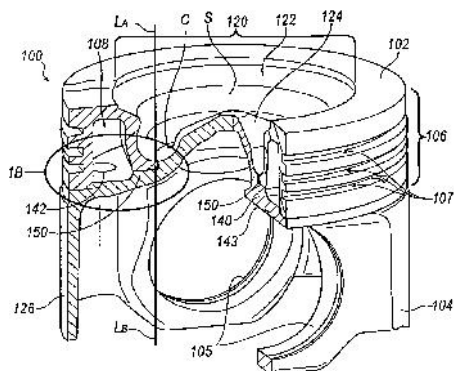
Address of Applicant :Pragstr, 26-46, 70376 Stuttgart, GERMANY

## (72)Name of Inventor :

**1)FLOWERS William****2)GABRIEL Dieter****3)KLEIN Ralph****4)ZHAO Grace**

## (57) Abstract :

An exemplary piston assembly and method of making the same are disclosed. A piston assembly may include a piston crown and piston skirt. The crown may include a ring belt portion defining at least in part a cooling gallery, as well as radially inner and outer crown mating surfaces. The skirt may be received in a central opening of the crown such that the crown and skirt cooperate to form an upper combustion bowl surface. The skirt also may include radially inner and outer skirt mating surfaces that are abutted with the inner and outer crown mating surfaces, respectively, such that the cooling gallery is generally enclosed by the skirt.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2344/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/08/2012

(43) Publication Date : 17/05/2013

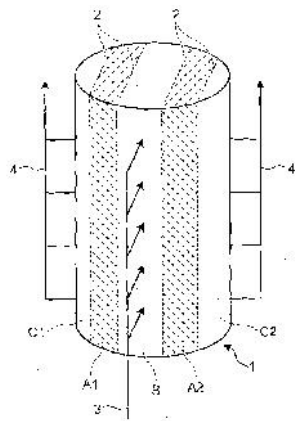
(54) Title of the invention : DEVICE FOR GAS SEPARATION BY PRESSURE SWING ADSORPTION

(51) International classification :B01D53/04  
(31) Priority Document No :2010-043610  
(32) Priority Date :27/02/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2011/054268  
Filing Date :25/02/2011  
(87) International Publication No :WO 2011/105548  
(61) 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,  
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**2)SUMITOMO SEIKA CHEMICALS CO., LTD.**  
(72)Name of Inventor :  
**1)SAIMA, Hitoshi**  
**2)MOGI, Yasuhiro**  
**3)HARAOKA, Takashi**  
**4)MIYAKE, Masanori**  
**5)TAKATA, Yoshinori**

(57) Abstract :

The disclosed gas separation device has multiple gas adsorption regions (A) disposed in parallel with intervening spaces, and has gas inflow regions (B) and gas outflow regions (C) which, in relation to said multiple gas adsorption regions (A), fulfill the following two conditions: (i) regions between adjacent gas adsorption regions (A) configure a gas inflow region (B) or a gas outflow region (C) which contacts both gas adsorption regions (A); and, (ii) a gas inflow region (B) and a gas outflow region (C) contact each gas adsorption region (A) on either side in the parallel direction.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2345/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/08/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : ELECTRIC VEHICLE STATION EQUIPMENT FOR GRID-INTEGRATED VEHICLES

(51) International classification :H02J7/00,B60L11/18,H02J13/00

(31) Priority Document No :61/305,743

(32) Priority Date :18/02/2010

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2010/049819

Filing Date :22/09/2010

(87) International Publication No :WO 2011/102857

(61) Patent of Addition 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 :112 Hullihen Hall, Newark, DE 19716-1551 UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)KEMPTON, Willett**

**2)KIAMILEV, Fouad**

**3)MCGEE, Rodney, Thomas Tyler**

**4)WAITE, Nick**

(57) Abstract :

Methods, systems, and apparatus transferring power between the grid and an electric vehicle are disclosed. The apparatus may include at least one vehicle communication port for interfacing with electric vehicle equipment (EVE) and a processor coupled to the at least one vehicle communication port to establish communication with the EVE, receive EVE attributes from the EVE, and transmit electric vehicle station equipment (EVSE) attributes to the EVE. Power may be transferred between the grid and the electric vehicle by maintaining EVSE attributes, establishing communication with the EVE, and transmitting the EVSE maintained attributes to the EVE.

No. of Pages : 62 No. of Claims : 21



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2346/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/08/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : ELECTRIC VEHICLE EQUIPMENT FOR GRID-INTEGRATED VEHICLES

(51) International classification :H02J7/00,B60L11/18,H02J13/00  
(31) Priority Document No :61/305,743  
(32) Priority Date :18/02/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/049761  
Filing Date :22/09/2010  
(87) International Publication No :WO 2011/102856  
(61) Patent of Addition 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)KEMPTON, Willett**

(57) Abstract :

Methods, systems, and apparatus for interfacing an electric vehicle with an electric power grid are disclosed. An exemplary apparatus may include a station communication port for interfacing with electric vehicle station equipment (EVSE), a vehicle communication port for interfacing with a vehicle management system (VMS), and a processor coupled to the station communication port and the vehicle communication port to establish communication with the EVSE via the station communication port receive EVSE attributes from the EVSE and issue commands to the VMS to manage power flow between the electric vehicle and the EVSE based on the EVSE attributes. An electric vehicle may interface with the grid by establishing communication with the EVSE, receiving the EVSE attributes and managing power flow between the EVE and the grid based on the EVSE attributes.

No. of Pages : 55 No. of Claims : 35

(54) Title of the invention : METALLIC MATERIAL WHICH IS SOLID SOLUTION OF BODY-CENTERED CUBIC (BCC) STRUCTURE HAVING CONTROLLED CRYSTAL AXIS ORIENTATION, AND PROCESS FOR PRODUCING SAME

(51) International classification :C21D8/12,B21B3/02,C22C38/00  
 (31) Priority Document No :2010-042132  
 (32) Priority Date :26/02/2010  
 (33) Name of priority country :Japan  
 (86) International Application No :PCT/JP2011/054548  
 Filing Date :28/02/2011  
 (87) International Publication No :WO 2011/105609  
 (61) Patent of Addition to Application Number :NA  
 Filing Date :NA  
 (62) Divisional to Application Number :NA  
 Filing Date :NA

## (71)Name of Applicant :

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 Yokohama-shi, Kanagawa 2408501 JAPAN

## (72)Name of Inventor :

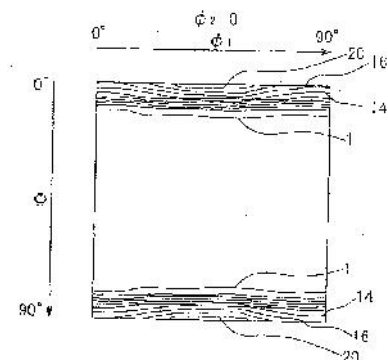
**1)FUKUTOMI, Hiroshi**

**2)OKAYASU Kazuto**

**3)ONUKI Yusuke**

## (57) Abstract :

Provided are a metallic material, e.g. an electromagnetic material (magnetic steel sheet), that has a processed surface along which crystal axes <001> of the metallic material have been distributed by controlling the distribution of the crystal axes <001>, and a process for producing the metallic material. The metallic material, which is, for example, an electromagnetic material (magnetic steel sheet), is obtained by subjecting a metallic material comprising a solid solution of a body centered cubic (BCC) structure to hot compression at a temperature within a range where the solid solution is constituted only of a BCC phase, thereby distributing crystal axes <001> of the metal along the processed surface of the metallic material. The process is characterized by: heating the metallic material which is, for example, an Fe-Si alloy to a temperature in a range where the alloy is a solid solution constituted only of a BCC phase; and compressing this BCC phase solid solution at a straining rate at which the solute atom atmosphere appearing in the BCC-phase solid solution governs movements for dislocation and at which grain boundaries are kept movable using, as a power therefor, strain energy that has accumulated in the grains, thereby distributing {100} planes in parallel to the processed surface.



No. of Pages : 46 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2348/KOLNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/08/2012

(43) Publication Date : 17/05/2013

(54) Title of the invention : ACCELERATED LOW PRESSURE BREWER

(51) International classification :A47J31/36,A47J31/42,A47J31/40

(31) Priority Document No :61/309,401

(32) Priority Date :01/03/2010

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/026754

Filing Date :01/03/2011

(87) International Publication No :WO 2011/109443

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)NGUYEN, Quan, H.**

**2)COLLIER, Christopher, D.**

**3)McLAUGHLIN, James, M.**

(57) Abstract :

A brewing system (100) includes a brew group (130) having a cylindrical brewing chamber (132), a first actuator (146) attached to an upper piston assembly (140) that is movable to sealingly engage one end of the brewing chamber, a second actuator (156) attached to a lower piston assembly (150) that slidably engages the opposite end of the brewing chamber. The lower piston assembly includes a water supply tube (151) that engages a channel through the piston to supply heated water to the brewing chamber. The upper piston assembly includes a dispensing tube (141) that engages a channel through the piston to accommodate dispensing the brewed liquid. A sliding arm assembly is positioned to remove spent grounds from the brewing assembly. The current embodiment includes a controller (100), hopper (112), water heater (11) and grinder assembly (120). An optional flavoring dispenser may also be provided.

No. of Pages : 44 No. of Claims : 24

## **NOTICE UNDER RULE 124**

Notice is hereby given that any person interested may, at any time, within three months from the date of the publication of this petition filed under Rule 122 for correction of clerical error in the document presented for payment of 10<sup>th</sup> year annuity in respect of Patent No.**205839**(509/CAL/1999) wrongly mentioned as No.**205939** (509/CAL/1999) for which official money receipt was issued, and to enable the patentee to tender subsequent annuities, give notice of opposition to the Controller in Form-14 in duplicate under Rule 124 of the Patent Rules,2003 as amended by Patent (Amendment) Rules, 2006.

**PUBLICATION U/R 84[3] IN RESPECT OF APPLICATION FOR RESTORATION OF  
PATENTS (KOLKATA)**

Notice is hereby given that any person interested in opposing the following applications for Restoration of Patents under Section 60 of the Patent Act, 1970, may at any time within 2 months from the date of publication of this notice, give notice to the Controller of Patents at the appropriate office on the prescribed Form 14 under rule 85 of the Patents Rules, 2003.

Patent No.	Applicants	Title	Date of Cessation	Appropriate Office
213410	SAINT-GOBAIN SEVA.(France)	DEVICE FOR BLOWING A FLUID ONTO AT LEAST ONE FACE OF A THIN ELEMENT AND ASSOCIATED BLOWING UNIT	13/02/2009	KOLKATA

## **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	190621	606/DEL/1994	18/05/1994		A CONTINUOUS GAS FLUIDISED BED POLYMERISATION PROCESS	BP CHEMICALS LIMITED		DELHI
2	256162	4643/DELNP/2007	10/01/2006	19/01/2005	X-RAY DEVICE COMPRISING A RESIDUAL-CURRENT CURCUIT BREAKER	SIEMENS AKTIENGESELLSCHAFT	17/08/2007	DELHI
3	256163	3182/DELNP/2004	14/04/2003	29/04/2002	METHOD AND APPARATUS FOR CONTROLLING DIGITAL RECORDING OPERATION	M/S. THOMSON LICENSING S.A	09/10/2009	DELHI
4	256166	1659/DELNP/2004	29/11/2002	29/11/2001	A PROCESS FOR TEXTURING A SURFACE OF A SEMIIONDUCTOR MATERIAL	TRANSFORM SOLAR PTY LTD	23/03/2007	DELHI
5	256169	2877/DEL/2005	27/10/2005	29/10/2004	COATING COMPOSITION	KANSAI PAINT CO.,LTD	31/07/2009	DELHI
6	256171	1398/DELNP/2003	21/02/2002	22/02/2001	DISTRIBUTED DEVELOPMENT ENVIRONMENT FOR BUILDING INTERNET APPLICATIONS BY DEVELOPERS AT REMOTE LOCATIONS	ACCENTURE GLOBAL SERVICES LIMITED	27/05/2005	DELHI
7	256173	6197/DELNP/2006	04/05/2005	04/05/2004	A PULSE GENERATOR FOR GENERATING A PULSE IS APPLIED TO A LOAD	STANGENES INDUSTRIES, INC	06/11/2009	DELHI
8	256175	1180/DEL/2005	10/05/2005	14/05/2004	PROCESS FOR PREPARING COMPOUNDS OF FORMULA (I)	LANXESS DEUTSCHLAND GMBH	01/12/2006	DELHI
9	256176	00860/DELNP/2003	27/11/2001	04/12/2000	A PROCESS TO POLYMERISE AN OLEFIN	UNIVATION TECHNOLOGIES LLC	05/01/2007	DELHI
10	256177	5139/DELNP/2006	14/03/2005	17/03/2004	POLIMERIZATION CATALYST COMPRISING AN AMIDINE LIGAND	DSM IP ASSETS B.V.	03/08/2007	DELHI

11	256178	IN/PCT/2001/00886/DEL	03/03/2000	04/03/1999	-AMYLOID MODULATOR COMPOUND	PRAECIS PHARMACEUTICALS INCORPORATED	18/03/2011	DELHI
12	256179	1316/DELNP/2006	13/09/2004	12/09/2003	SINTERED FERRITE MAGNET	HITACHI METALS., LTD.	10/08/2007	DELHI
13	256180	3607/DELNP/2008	04/10/2006	02/12/2005	ELASTOMER NANOCOMPOSITES COMPRISING ISOBUTYLENE AND MULTIFUNCTIONAL OLIGOMERS	EXXONMOBIL CHEMICAL PATENTS INC.	15/08/2008	DELHI
14	256186	912/DELNP/2006	08/05/2002	14/05/2001	A WIDEBAND CODE DIVISION MULTIPLE ACCESS USER EQUIPMENT AND METHOD THEREOF	INTEL CORPORATION	10/08/2007	DELHI
15	256187	3098/DELNP/2006	15/11/2004	14/11/2003	METHOD FOR EXPRESSION OF APOLIPOPROTEIN IN PLANTS	SEMBIOSYS GENETICS INC.,UTI LIMITED PARTNERSHIP.,	10/08/2007	DELHI
16	256189	2347/DELNP/2007	20/09/2005	20/09/2004	ELECTRONIC DEVICE WITH THREE MOVABLE LAYERS	QUALCOMM INCORPORATED	04/05/2007	DELHI
17	256191	7191/DELNP/2006	17/05/2004	17/05/2004	AUDIO CODING SYSTEM	NOKIA CORPORATION	17/08/2007	DELHI
18	256192	6250/DELNP/2007	13/02/2006	11/02/2005	METHODS OF PROLIFERATING STEMS CELLS	AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH	31/08/2007	DELHI
19	256194	969/DELNP/2007	25/08/2005	27/08/2004	ORAL CARE COMPOSITION WITH CROSS-LINKED POLYMER PEROXIDE.	COLGATE-PAMOLIVE COMPANY	03/08/2007	DELHI
20	256195	1007/DELNP/2006	12/10/2004	21/10/2003	AN IMAGE PROCESSING SYSTEM FOR CONVERTING A THREE COLOR IMAGE DATA SET INTO A FOUR COLOR IMAGE DATA SET	CLAIRVOYANTE, INC	30/11/2007	DELHI
21	256201	8016/DELNP/2006	03/06/2005	10/06/2004	METHOD AND APPARATUS FOR DYNAMICALLY ADJUSTING DATA TRANSMISSION PARAMETERS AND CONTROLLING H-ARQ PROCESSES	INTERDIGITAL TECHNOLOGY CORPORATION	27/04/2007	DELHI
22	256203	1727/DEL/2006	27/07/2006	10/08/2005	METHOD AND APPARATUS FOR SIGNAL SIGNATURE ANALYSIS FOR EVENT DETECTION IN ROTATING MACHINERY	GENERAL ELECTRIC COMPANY	03/08/2007	DELHI

23	256204	2454/DELNP/2004	04/02/2003	05/02/2002	METHOD AND APPARATUS FOR CONTROLLING ENERGY TRANSFER BETWEEN AN ENERGY BUS AND A BATTERY SYSTEM BASED UPON BATTERY OPERATING CONDITION	AZURE DYNAMICS INC	02/10/2009	DELHI
24	256207	4964/DELNP/2005	13/05/2004	14/05/2003	A METHOD FOR TRANSMITTING MEASUREMENTS BY A WIRELESS STATION AND A WIRELESS TRANSMIT/RECEIVE UNIT THEREOF	INTEL CORPORATION	07/12/2007	DELHI



## **Publication Under Section 43(2) in Respect of the Grant**

**Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.**

Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	169823	107/BOM/1989	24/04/1989		A MOULDED PILFERPROOF CURRENT TRANSFORMER BLOCK FOR ENERGY METER AT CONSUMER'S PREMISES.	PARIMAL & CO.	17/06/1989	MUMBAI
2	256164	370/MUM/2005	30/03/2005		A PROCESS FOR MANUFACTURE OF AMORPHOUS RABEPRAZOLE SODIUM	LUPIN LIMITED	30/03/2007	MUMBAI
3	256167	2673/MUMNP/2008	20/06/2007	27/06/2006	PROCESS FOR CONVERTING PRIMARY AMIDOALCOHOLS TO AMIDOCARBOXYLIC ACIDS IN HIGH YIELD USING WATER AS SOLVENT	HINDUSTAN UNILEVER LIMITED	13/03/2009	MUMBAI
4	256168	117/MUM/2006	24/01/2006		AN IMPROVED PROCESS FOR THE SYNTHESIS OF 1,4 DIHYDROPYRIDINE 3,5 DICARBOXYLIC ACID DERIVATIVES	CIPLA LIMITED	17/08/2007	MUMBAI
5	256212	1380/MUMNP/2006	21/04/2005	18/05/2004	METHOD AND SYSTEM FOR STORING SELF DESCRIPTIVE TABULAR DATA WITH ALPHANUMERIC AND BINARY VALUES	ELECTRONIC DATA SYSTEMS, LLC	04/05/2007	MUMBAI

## **Publication Under Section 43(2) in Respect of the Grant**

**Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.**

Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	256165	4356/CHENP/2006	26/05/2005	27/05/2004	EPIGALLOCATECHING DIMERS OR TRIMERS HAVING LIPASE INHIBITORY ACTIVITY AND/OR ANTIOXIDANT ACTIVITY	SUNTORY HOLDINGS LIMITED	29/06/2007	CHENNAI
2	256170	2932/CHENP/2004	28/06/2003	28/06/2002	A METHOD FOR MANAGING DISTRIBUTED APPLICATIONS RESIDENT ON A COMMUNICATION DEVICE ON A WIRELESS NETWORK	QUALCOMM INCORPORATED	17/02/2006	CHENNAI
3	256172	1504/CHE/2006	23/08/2006 16:47:23		A SYSTEM AND METHOD FOR NEGOTIATING SESSION CONFIGURATION IN EVDO COMMUNICATION	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	28/11/2008	CHENNAI
4	256174	735/CHE/2005	16/06/2005		METHOD FOR OPTIMIZING TUNNEL AUTHENTICATION PROCEDURE OVER A 3G-WLAN INTERWORKING SYSTEM	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	09/05/2008	CHENNAI
5	256181	871/CHE/2007	25/04/2007 13:03:01		METHOD AND SYSTEM FOR VOICE SMS MESSAGING	KIRUSA Inc.	05/12/2008	CHENNAI
6	256182	4247/CHENP/2006	17/05/2005	18/05/2004	A MEDICAMENT COMPRISING GLYCOPYRROLATE AND (R)- 5-[2-(5,6-DIETHYL-INDAN-2-YLAMINO)-1-HYDROXY-ETHYL]-8-HYDROXY-1H-QUINOLIN-2-ONE MALEATE	NOVARTIS AG	06/07/2007	CHENNAI
7	256183	2953/CHENP/2004	22/05/2003	30/05/2002	B CRYSTALLINE POLYPROPYLENES	CIBA HOLDING INC.	17/02/2006	CHENNAI

8	256190	3336/CHENP/2006	15/03/2005	15/03/2004	A SYSTEM FOR UNIFORMLY TREATING BIOLOGICAL SAMPLES WITH ELECTROMAGNETIC RADIATION	TERUMO BCT BIOTECHNOLOGIES LLC.	22/06/2007	CHENNAI
9	256197	1912/CHE/2005	26/12/2005		AN IMPROVED PROCESS FOR THE PREPARATION OF ALFUZOSIN	AUROBINDO PHARMA LIMITED	28/09/2007	CHENNAI
10	256198	3719/CHENP/2006	29/03/2005	08/04/2004	METHOD OF DYEING KERATIN-CONTAINING FIBERS	CIBA HOLDING INC.	15/06/2007	CHENNAI
11	256200	2024/CHE/2008	20/08/2008 15:31:38	27/08/2007	FORCED AIR COOLING INTERNAL COMBUSTION ENGINE	HONDA MOTOR CO., LTD,	26/03/2010	CHENNAI
12	256202	834/CHENP/2007	28/07/2005	30/07/2004	CLOSURE MEANS	SACMI COOPERATIVA MECCANICI IMOLA SOCIETA' COOPERATIVA	24/08/2007	CHENNAI
13	256205	316/CHE/2006	24/02/2006		METHOD FOR POST DATING A SHORT MESSAGING SERVICE (SMS) MESSAGE IN A WIRELESS TELECOMMUNICATION SYSTEM	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	02/05/2008	CHENNAI
14	256206	2158/CHE/2007	25/09/2007	03/10/2006	METHOD, NETWORK NODE AND USER EQUIPMENT (UE) DEVICE FOR MANAGING CONTINUITY OF AN ONGOING CALL IN IMS	RESEARCH IN MOTION LIMITED	11/09/2009	CHENNAI
15	256208	872/CHENP/2005	08/08/2003	12/11/2002	A COMPOSITION COMPRISING A STROBILURIN AND A GLYPHOSATE DERIVATIVE	BASF AKTIENGESELLSCHAFT	03/08/2007	CHENNAI
16	256210	1755/CHENP/2006	05/11/2004	19/11/2003	SECURE COMMUNICATIONS WITHIN AND BETWEEN PERSONAL AREA NETWORKS BY USING PRIVATE AND PUBLIC IDENTIFIERS	Vodafone Group Plc And TELEFONAKTIEBOLAG ET LM Ericsson	06/07/2007	CHENNAI

## **Publication Under Section 43(2) in Respect of the Grant**

**Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.**

Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	256184	3363/KOLNP/2008	13/02/2007	16/02/2006	METHOD OF PRODUCING OPTICALLY ACTIVE ALCOHOL	KOTOBUKI PHARMACEUTICAL CO., LTD.	13/02/2009	KOLKATA
2	256185	1902/KOLNP/2007	11/11/2005	11/11/2004	NUTRITION CONTAINING FAT BLEND	N. V. NUTRICIA	10/08/2007	KOLKATA
3	256188	97/KOL/2005	14/02/2005	12/02/2004	A METHOD OF RESUMING A HEADER DECOMPRESSION OPERATION BY MEANS OF A USER EQUIPMENT	SAMSUNG ELECTRONICS CO LTD	01/12/2006	KOLKATA
4	256193	3888/KOLNP/2006	21/06/2005	22/06/2004	TRITERPENE-CONTAINING OLEOGEL FORMING AGENT, TRITERPENE-CONTAINING OLEOGEL AND METHOD FOR PRODUCING A TRITERPENE-CONTAINING OLEOGEL	BIRKEN GMBH	22/06/2007	KOLKATA
5	256196	1498/KOLNP/2006	04/11/2004	04/11/2003	AN ANTENNA SYSTEM FOR TRANSMITTING AND RECEIVING ELECTROMAGNETIC SIGNALS	SAINT-GOBAIN GLASS FRANCE	04/05/2007	KOLKATA
6	256199	83/KOL/2008	10/01/2008	31/01/2007	AN APPARATUS FOR AN ENGINE ASSEMBLY FOR HYDRAULICALLY CONTROLLING ENGINE VALVE LIFT AT MULTIPLE CYLINDERS	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	29/08/2008	KOLKATA
7	256209	611/KOL/2008	27/03/2008		A NOVEL SYSTEM FOR DETECTION AND CLASSIFICATION OF POWER SYSTEM TRANSMISSION LINE FAULTS	BIRLA INSTITUTE OF TECHNOLOGY	06/06/2008	KOLKATA

8	256213	3072/KOLNP/ 2006	20/04/2005	21/04/2004	APPARATUS AND METHOD FOR CHANNEL ESTIMATION IN AN ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING CELLULAR COMMUNICATION SYSTEM USING MULTIPLE TRANSMIT ANTENNAS	SAMSUNG ELECTRONICS CO. LTD.	08/06/2007	KOLKATA
9	256214	2697/KOLNP/ 2007	17/01/2006	31/01/2005	METHOD AND APPARATUS FOR DETERMINING A SWITCHING TIME FOR AN ELECTRICAL SWITCHING DEVICE	SIEMENS AKTIENGESELLSCHAF T	31/08/2007	KOLKATA
10	256215	3389/KOLNP/ 2006	09/05/2005	10/05/2004	A DEVICE AND METHOD FOR ANALYZING AN AUDIO INFORMATION SIGNAL FOR IDENTIFICATION SIGNAL CONTENTS HAVING A SEQUENCE	M2ANY GMBH	15/06/2007	KOLKATA

***CONTINUED TO PART- 2***