রেজিস্টার্ড নং ডি এ-১

বাংলাদেশ গেজেট

কর্তৃপক্ষ কর্তৃক প্রকাশিত

বৃহস্পতিবার, ডিসেম্বর ১৯, ২০১৯

৪র্থ খণ্ড

প্রথম খণ্ডে অন্তর্ভুক্ত প্রজ্ঞাপনসমূহ ব্যতীত পেটেন্ট অফিস কর্তৃক জারীকৃত প্রজ্ঞাপনসমূহ

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার

পেটেন্ট, ডিজাইন ও ট্রেডমার্কস অধিদপ্তর

শিল্প মন্ত্রণালয়

গৃহীত পেটেন্ট দরখাস্ত

Accepted Patent Applications

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এতদ্বারা জানানো যাইতেছে যে, নিম্নে বাম পার্শ্বে উল্লিখিত যে কোন পেটেন্ট আবেদন পত্র সম্পর্কীয় উদ্ভাবনের জন্য পেটেন্ট মঞ্জুরীর বিরুদ্ধে যে সকল ব্যক্তি বিরোধিতা করিতে ইচ্ছুক তাঁহার এই গেজেট প্রকাশের তারিখ হইতে চার মাস সময়সীমার মধ্যে যে কোন সময় পেটেন্ট, ডিজাইন ও ট্রেডমার্কস অধিদপ্তর, (পেটেন্ট ও ডিজাইন উইং), শিল্প মন্ত্রণালয়, (৬ষ্ঠ তলা) ৯১, মতিঝিল বা/এ, ঢাকা-১০০০, বাংলাদেশ এই ঠিকানায় ১৯৩৩ ইং সনের পেটেন্ট ও ডিজাইন বিধিমালা-১৯৩৩ অনুযায়ী ৬ নং নির্দিষ্ট ফরমে বিরোধিতা নোটিশ দাখিল করিতে পারিবেন।

নিম্নে ডান পার্শ্বে প্রদর্শিত সাত অংক বিশিষ্ট সংখ্যাগুলি পূর্ণাঙ্গ বিশেষত্বনামা গৃহীত হইবার পর পেটেন্ট নম্বর প্রদান করা হইয়াছে এবং এই ক্রমিক সংখ্যা অনুসারে বিনির্দেশ মুদ্রণ করা হইবে এবং পরবর্তী কার্যক্রম গ্রহণ করা হইবে।

গৃহীত পেটেন্ট দরখাস্তসমূহের সাময়িক (যদি থাকে) ও পূর্ণাঙ্গ বিশেষত্বনামা জনসাধারণের পরিদর্শনের জন্য অফিস চলাকালীন সময়ে অত্র অধিদপ্তরের প্রদর্শিত হয়। যে কোন আবেদনকারীর প্রয়োজনে টাইপ-রাইটারে মুদ্রিত বিশেষত্বনামা প্রত্যায়িত প্রতিলিপি সরবরাহ করা যাইতে পারে যদি তিনি ২৯ নং ফরমে নিদিষ্ট ফি সহ আবেদন দাখিল করেন এবং বিশেষত্বনামা টাইপ করিবার জন্য নির্দিষ্ট ফি পরিশোধ করেন।

লঘুবন্ধনীর মধ্যে প্রদর্শিত তারিখ ১৯১১ ইং সনের পেটেন্ট ও ডিজাইন আইনের ৭৮ক ধারা/প্যারিস কনভেনশনের বিধান অনুযায়ী অগ্রাধিকার তারিখ রুপে দাবী করা হইতেছে এবং যে দেশে দরখাস্তটি প্রথম দাখিল করা হইয়াছে সেই দেশের নাম তৎসংগে উল্লিখিত হইয়াছে।

Notice is hereby given that all persons interested in opposing the grant of patent on any of the application referred to below may at any time within four months from the date this Gazette, give notice at the Department of Patents, Designs & Trademarks, (Patent & Design Wing), Ministry of Industries (5th Floor), 91, Motijheel C/A, Dhaka-1000, Bangladesh in the prescribed form-6 of the Patents and Designs Rules, 1933.

The seven figures numbers shown in the right hand side are those given to the application on acceptance of the complete specifications and under which the specifications will printed and subsequent proceeding will be taken.

The complete specifications of the accepted applications are open to the public inspection at this office at any time on all working days, if required typed copies of the specifications can be supplied by this office on payment of the prescribed charge which may be ascertained on application to this office.

The priority dates of the applications and the names of the countries in which the application to have been filed first are shown in the crescent brackets. The priority dates are claimed Under Section 78A of the Patents and Designs Act, 1911/ provisions under this Paris Convention.

171/2017	RICETEC INC., a corporation organized and existing under the laws of the State of Delaware, (whose legal address is 1925 FM 2917 Rd., Alvin, Texas 77511,, United States of America) Priority: US 62/371582 Dated: 05-08-2016	METHODS AND COMPOSITIONS FOR COMBINATIONS OF MUTATIONS ASSOCIATED WITH HERBICIDE RESISTANCE/TOLERANCE IN RICE. *IPC:* C 12N 15/82 **1006102** **Abstract:** Rice is described that is tolerant/resistant to herbicides, for example, ACCase inhibitors, and HPPD inhibitors, or both. For ACCase inhibitors, 2 different chromosome regions act synergistically in providing resistance/tolerance to the same herbicide class. Use of the herbicide resistance/tolerant rice for weed control and methods of producing tolerant/resistant rice are also disclosed.
174/2017	Telefonaktiebolaget LM Ericsson (publ), a corporation organized and existing under the laws of Sweden, (whose legal address is SE-164 83 Stockholm, Sweden) Priority: US 62/374,444 Dated: 12-08-2016	METHOD AND APPARATUS FOR NETWORK PLANNING AND OPERATION OF A BEAM-BASED COMMUNICATION SYSTEM. *IPC:* H 04L 5/00, H 04W 16/12, 16/28 **1006105** **Abstract:** In one aspect, network node operates in a wireless communications network that includes two or more beam-based transmission points, where each of the two or more beam-based transmission points transmits synchronization signals corresponding to beams transmitted by the respective transmission point. The network node configures the two or more beam-based transmission points to use non-conflicting radio resources for their respective transmissions of synchronization signals.
181/2017	Green Impact Holding AG, A Corporation organized and existing under the laws of Switzerland, (whose legal address is Alte Steinhauser Str. 1, 6330 Cham/Zug, Switzerland) Priority: EP 16185992.1 Dated: 26-08-2016	Non-leaching surface sanitizer and wipe with improved wash ability and/or absorbency *IPC:* A 01N 25/24, 25/34, A 41D 13/11 **1006112** **Abstract:** The present invention is directed to a textile material to which one or more antimicrobial and/or hydrophilic and/or stain release agents are adhered. The agent(s) is/are adhered to the textile material in such a manner that they are not released from the textile even if the textile is wetted or washed, so that the textile is reusable. In preferred embodiments, where one or more antimicrobial agents are adhered to the textile, the textile can be used to sanitize a surface in a non-leaching manner, e.g. without a liquid sanitizer, both under wet and dry conditions. Washability and/or usability of the textile are improved where one or more hydrophilic and/or stain release agents are adhered to the textile, which is particularly advantageous if the textile is used as a wipe or for similar purposes. The invention further relates to a method of finishing a textile material by applying and binding antimicrobial and/or hydrophilic and/or stain release agents to the textile material so that the agents are essentially irreversibly adhered to the finished textile material.

187/2017	Masud Ahmed Khan, Nationality: Bangladeshi. (whose legal address is Makhon Villa (5 th Floor), House # 9A, Road # 28 (Old), Dhanmondi, Dhaka-1209, Bangladesh).	Pair Mosquito Coil & the process thereof. *IPC:* H 01F 41/04, 41/06, 41/086, H 05B 6/44 **1006117** **Abstract:** The process of Pair Mosquito Coil involves use of 100% Pure Grade Soft wood plant fiber pulp from selected commercially grown plants. The special paper board is manufactured at paper mills using special soft wood pulp to manufacture flat sheets and dried to offer to mosquito coil manufacturers whereas the process of soft paper board manufacturing involves (i) Mixing 100% Soft Wood Pulp in water and (ii) distributes the water mixed pulp layer by layer to make the board of certain thickness, usually 2 mm thick after drying and manufacturing.
189/2017	MOJJ ENGINEERING SYSTEMS LTD. A company orgainzed and existing under the laws of India, (whole legal address is 81-15/B, M.I.D.C, Bhosari, Pune-411026, India). Priority: IN 201621029473 Dated: 30-08-2016.	BIO-METHANATED SPENT WASH EVAPORATION PROCESS USING MULTI STAGE DEGASSING SYSTEM. *IPC:* B 01D 19/00, C 04B 18/00, C 12F 3/00 **1006109** **Abstract:** The present invention discloses a two stage degassing system for defoaming of bio-methanated spent wash wherein the spent wash is degassed at lower temperature and higher vacuum in the first stage and at higher temperature and lower vacuum in the second stage in multi tray column and/or a third stage thermo-mechanical degassing before it is subjected to multiple effect evaporation for concentration. The invention also discloses use of an optional pressure spray ring instead of fresh steam to deactivate the mycelium more effectively and also reduce the energy consumption of the overall evaporation unit. The invention further discloses a reactor design wherein two stage degassing of bio-methanated spent wash can be performed.
194/2017	Modumetal, Inc., A Corporation incorporated in USA, (whose legal address is 1443 N Northlake Way, Seattle 98103 WA, United States of America) Priority: US 62/385, 795 Dated: 09-09-2016	Application Of Laminate And Nanolaminate Materials To Tooling And Molding Processes. *IPC:* B 29C 64/14, C 25D 3/02 **1006108** **Abstract:** Embodiments of the present disclosure provide molds made by additive manufacturing coupled with electrodeposition. Such methods comprise subjected a workpiece to one or more deposition process (es), such as electrodeposition, that provide a coating that possesses desirable chemical, physical, and/or mechanical properties. In some embodiments, the methods further comprise forming at least one workpiece for the mold by, for example, an additive namufacturing process such as three-demensional printing (3D printing). Additionally, the present disclosure provides methods for the use of a mold for molding polymerizable, settable, thermoplastic, or thermoset materials.

195/ 2017	Telefonakiebolaget LM Ericsson (publ), a corporation organized and existing under the laws of Sweden, (whose legal address is SE-16483 Stockholm, Sweden) Priority: SE PCT/SE2016/051035 Dated: 25-10-2016 and SE PCT/ SE2017/050217 Dated: 08-03-2017.	CONFIGURATION OF TRANSMISSION ORDER OF UPLINK DATA *IPC:* H 04L 5/00, H 04W 72/12 **1006107** **Abstract:** There is provided mechanisms for configuring Transmission order of uplink data. A method is performed by an REC of an access node. The REC has an interface to an RE of the access node. The method comprises providing instructions to the RE how to prioritize transmission order of uplink data. The uplink data is received by the RE on a radio interface and is to be transmitted from the RE to the REC on the interface. The REC thereby configures the transmission order.
199/ 2017	Erber Aktiengesellschaft, a company duly organized and existing under the laws of Austria, (whose legal address is Erber Campus 1, 3131 Getzerxdorf bei Traismauer, Austria) Priority: EP 16450024.1 Dated: 30-09-2016	A PARTICALE CONTAINING THE VOLATILE SUBSTANCE AND ITS PREPARATION. *IPC:* A23L 27/10, A 61K 8/02, 9/14, 9/50 **1006121** **Abstract:** The invention is directed to a particle containing at least a volatile substance comprising a core of comprising at least one matrix material and the at least one volatile substance and at least one coating layer whereby a first coating layer is a non-confluent layer comprising at least a carrier material, whereby optionally the non-confluent layer contains at least one hydrophobic substance, and optionally the particle is surrounded by at least one confluent layer and/or further non-confluent layer(s) as well as to a process for producing the same.
209/ 2017	TVS MOTOR COMPANY LIMITED, a company duly organized and exiting under the laws of India, (whose legal address is “Jayalakshmi Estate”, No 29 (Old No.8), Haddows Road, Chennai 600 006, India) Prioprity: IN 201641033476 Dated: 30-09-2016.	AN INTAKE SYSTEM FOR A TWO WHEELED VEHICLE. *IPC:* F 02M 35/02, 35/10, 69/36 **1006115** **Abstract:** The present subject matter discloses an intake system for an internal combustion engine comprising two inlet ports in its cylinder head, The intake system comprises a fuel injector valve mounted on a pipe intake and configured to direct fuel inside the two intake ports. The fuel injection valve is mounted to have a fuel injector axis at a predetermined acute angle with reference to a horizontal plane, and said fuel injector valve mounted at a predetermined horizontal distance between the tip of the fuel injection valve and the cylinder head. This ensures that, the fuel injected inside the two intake ports takes the shortest path with minimum wall wetting.
212/ 2017	TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (whose legel address is “ Jayalakshmi Estates”, No 29 (Old No.8), Haddows Road, Chennai 600 006, India) Prioprity: IN 201641033875 Dated: 04-10-2016.	AN EVAPORATIVE EMISSION CONTROL ASSEMBLY FOR A VEHICLE. *IPC:* F 02M 25/08 **1006116** **Abstract:** The present invention relates to an evaporative emission control assembly for a two-wheeled vehicle. The evaporative emission control assembly includes a container disposed at a close proximity to a fuel tank assembly disposed at the rear end of the vehicle. The evaporative emission control assembly is disposed at a proximity to the fuel tank assembly, in front of at least one rear suspension and above an air filter assembly disposed above a front portion of an engine assembly. The location of the container facilitates improved absorption of the fuel vapour in a fuel hose of the fuel tank assembly.

215/ 2017 Bangladesh Rice Research Institute (BRRI), An autonomous organization under the Ministry of Agriculture, Bangladesh. (whose legal address is Gazipur-1701, Bangladesh).

BIO ORGANIC FERTILIZER FOR REDUCING UREAN AND REPLACEMENT OF TSP FERTILIZER IN RICE CULTIVATION.

IPC: C 05G 1/00, 3/00, 3/04

1006125

Abstract: Bio-organic fertilizer is a new composition prepared from kitchen and vegetable waste from kacha bazar, rock phosphate, rice husk biochar and a consortium of locally isolated 10 beneficial bacteria. Applied bacteria are able to solubilize added rock phosphate, can fix atmospheric nitrogen and produce indoleacetic acid. Added microbes are mostly bacillus sp., that are environmental friendly and capable to grow in 2.5% molasses solution. Use of this bio-organic fertilizer reduces about 30% use of Urea and eliminates 100% use of TSP fertilizer for rice production. It also contains 15% biochar which will increase soil carbon content and improve soil health. The efficacy of this bio-organic fertilizer on rice has been tested at field level in Boro, Aus and T. Aman seasons. The application rate of this bio-organic fertilizer in Aus is 1 ton/ha while, in T. Aman and Boro is 2 ton/ha. The study result showed that there is no yield reduction by applying this bio-organic fertilizer, while, it reduces the use of chemical fertilizers. The product development process is simple and raw materials of the bio-organic fertilizer co-composting together for 1-3 months depending on added raw material. Bio-organic fertilizer is a environmental friendly product. The use of this product improve rice yield, increase soil organic matter content, enrich soil biology, enhance soil carbon stock, and reduced use of chemical fertilizers which are the pre-requisite for sustainable rice production in Bangladesh.

225/ 2017 Telefonaktiebolaget LM Ericsson (publ), a corporation organized and existing under the laws of Sweden, (whose legal address is SE-164 83 Stockholm, Sweden)
Priority: US 62/406, 442
Dated: 11-10-2016

NETWORK SLICING-AWARE ACCESS NETWORK.

IPC: H 04W 48/00

1006113

Abstract: According to some embodiments, a method for use in a core network node comprises: obtaining a mapping of core network slice identifiers to radio access network slice identifiers; receiving a slice registration request from a user equipment; determining a slice identifier associated with the slice registration request; and sending a slice registration response to the UE. The slice registration response includes the determined slice identifier. According to some embodiments, a method for use in a network node comprises obtaining a mapping of CN slice identifiers to RAN slice identifiers. The method may further comprise receiving a connection request from a UE that includes a network slice identifier; determining a RAN slice identifier based on the network slice identifier; and applying a policy of a network slice associated with the determined network slice identifier to the requested connection.

226/2017 TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (whose legal address is “Jayalakshmi Estates”, No. 29 (Old No. 8), Haddows Road , Chennai 600 006, India). Priority: IN 201641034953
Dated: 13-10-2016

EMISSION REDUCING SYSTEM FOR AN INTERNAL COMBUSTION ENGINE

IPC: F 23G 5/00

1006130

Abstract: The present invention relates to a system for reducing the emissions being generated in an internal combustion engine. The present subject matter comprises of a system of spraying and mixing oxidant and reductant along with an air-fuel mixture being sent for combustion. As per the present subject matter, the flow of oxidant and reluctant being mixed with the air-fuel mixture is controlled by a low discharge pump being operated at an engine speed.

227/2017 TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (whose legal address is "Jayalakshmi Estates", No. 29 (Old No. 8), Haddows Road , Chennai 600 006, India).
Priority: IN 201641035162
Dated: 14-10-2016

POSITION AND ACTUATION SENSING DEVICE FOR A HANDLE BAR OF A VEHICLE.

IPC: B 60Q 1/40, B 60R 25/00, B62H 5/02

1006133

Abstract: The present subject matter relates to aposition and actuation sensing device for a handlebar of a vehicle. A handlebar angle sensor comprising a sensor control unit and rotatable magnet. The handlebar angle sensor senses the change in the position of the handlebar and triggers the security system of the vehicle, establishes the correct position of the handlebar (left-hand side/right-hand side) to enable the locking or unlocking electronically, actuating the vehicle turn indicator through automatic detection of the user intention to change a lane or take a turn and de-actuation of vehicle turn indicator by detecting vehicle's straight path position after a lane change and/or a turn.

237/2017 BANGA FLAVOUR & FRAGRANCE (PVT.) LTD., a private limited company organized and existing under the laws of Bangladesh, (whose legal address is 3 Bundle Road, Patharghata, Chittagong-4000, Bangladesh).

The Process of Encapsulation of Sodium BI Carbonate and the Use thereof.

IPC: A 23L 2/54, A 47L 31/44, B 01F 3/04

1006137

Abstract: In this study, Sodium Bi Carbonate was encapsulated using spray dryer to avoid bursting of powder soft drinks within short time. Three different types carbonated powder drinks such as Energy; Cola & ENO powder soft drinks were prepared by using the encapsulated Sodium Bi Carbonate; three different flavours and other ingredients. Physical, Chemical & microbiological tests were done for encapsulated Sodium Bi Carbonate as well as for Energy, Cola & ENO PSD (Powder Soft Drinks) in laboratory. The analysis shows that the result of moisture, shelf life & fizzing time of encapsulated Sodium Bi Carbonate was 0.38, more than 10 months & 4-5 minutes respectively which was better than Australian Encapsulated Sodium Bi Carbonate (Fizz Powder). The analysis also shows that the panel test score for Energy powder soft drinks was 9.35 that were more than Cola & ENO powder soft drinks. The Tri angle test result of Energy Powder Soft drinks was also better than Cola & ENO Powder soft drinks. The initial moisture content of Energy Powder soft drinks was 0.66% and after 10 months it was 0.98% that was better than Cola & ENO powder soft drinks. The oBrix, PH, ash content, acidity of Energy Powder Soft Drinks was 8.9, 3.35, 0.004 & 0.70% respectively which was maintained the standards of Bangladesh Standard Testing Institute. The result of Total Viable Count Test was zero which indicates the product was safe for human consumption.

239/2017 GRAVIFLOAT AS., a company existing and organized under the laws of Norway, (whose legal address is Postbox 2424, Bergen 5824, Norway)
Priority: NO 20161699
Dated: 27/1/2016

HARBOUR PLANT AND METHOD FOR MOORING A FLOATING BODY IN A HARBOUR PLANT.

IPC: E 02B 17/00, 17/02, 3/06

1006131

Abstract: Various embodiments relate to a method and a harbour plant for mooring a floating body. The harbour plant includes a piled base structure provided with two upwards through sea level projecting sidewalls terminated above sea level and a laterally arranged bottom structure interconnecting

		the sidewalls, where a top surface of the bottom structure is arranged at a depth allowing the floating body to be floated in between the sidewalls, and where the floating body is arranged to be rigidly, but releasably supported by at least parts of the sidewalls. The method includes bringing the floating body into a position between the sidewalls and fixing rigidly the floating body to the vertical sidewalls of the base structure and still exposing the floating body more or less fully to buoyancy by allowing a water-filled gap at least between bottom of the floating body and a corresponding upper surface of the base structure.
242/ 2017	Bangladesh Council of Scientific and Industrial Research (BCSIR), a body corporate of Govt. of Bangladesh, (whose legal address is Dr. Qudrat-i-Khuda Road, Dhanmondi, Dhaka-1205, Bangladesh)	**DESIGN AND DEVELOPMENT OF A LOW COST ELECTRIC POWERLESS NOVEL GREEN REFRIGERATOR.** *IPC:* F 25D 3/08 **1006123** **Abstract:** In this work, a novel model for refrigerator has been introduced, where, freezing mixture is preserved in a stainless steel (SS) chamber of optimal dimension and this chamber is wrapped by four successive layers of insulating material. For health issue, the microbiological effects of freezing mixture on foods have been studied for different temperature. Finally an environmental friendly novel green refrigerator has been developed that is powered by chemical energy from very low cost widely available freezing mixture.
244/2017	Bangladesh Agricultural Research Institute, (whose legal address is Joydebpur, Gazipur-1701, Bangladesh).	**A Mechanical Seeder.** *IPC:* A 01C 7/06, 7/20, A 01M 7/00 **1006139** **Abstract:** The invention relates to agricultural machinery, in particular to a mechanical seeder. The utility model is intended to provide a use can be labor-saving, time-saving maneuver seeder. The Seeder machine comprising rotavator, seed box unit, seed hopper, seed metering plate, seed controller, seed tube, furrow opener and roller, whereas-rotavator part is situated downwards which is horizontally connected with the roller; the seed box unit is attached vertically upside the rotavator. A metering plate is 171 mm & there are 24 seed inlet holes in a single metering plate whereas the number and shape of seed inlet hole differ based on types of seeds; the inner radius of the seed inlet hole is 6.5 mm and gap between two successive holes is 7.35 mm; the cross sectional view defines it as an inclined type seed metering plat whereas the diameter of the central hole is 28 mm. A seed metering plate holder is a stationary part made of mild steel whereas the overall diameter is 173 mm & is situated in middle of a 200 mm single unit rectangular base, there is an amputated rectangular part of 36 mm in one side of the plate holder which facilitates the dropping of seed in seed tube. Complete seed box is characterized in that: six seed hoppers comprise a unit, side length is 1200 mm and width 596 mm; power is transmitted from wheel shaft to main frame through chain and sprocket; as the shaft rotates, 3 hoppers rotate clockwise while the rest rotate anti-clockwise & thus the seeds pass through seed tube and roller closes the furrow.

245/2017 BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, a corporation organized and existing under the laws of United Kingdom, (whose legal address is Globe House, 1 Water Street, London, WC2R 3LA, United Kingdom), Priority: GB 1618560.5 Dated: 03-11-2016.

A Method for determining the level of a polycyclic compound of interest in Tobacco and a device for determining the same.

IPC: A 24B 15/24, 15/26

1006103

Abstract: There is provided a method for determining the level of a polycyclic compound of interest present on the surface of a tobacco left, the method comprising the steps of: (a) washing the surface of the tobacco leaf with a solvent, the solvent comprising at least a non-polar solvent, such that no greater than about 10 wt.% of the polycyclic compound of interest present on the surface of the tobacco leaf is removed from the surface of the tobacco leaf; (b) collecting the solvent from step (a); and (c) subjecting the collected solvent to fluorescence spectroscopy to determine the level of the polycyclic compound of interest.

246/2017 Telefonaktiebolaget LM Ericsson (publ), a corporation organized and existing under the laws of Sweden, (whose legal address is SE-16483 Stockholm, Sweden) Priority: US 62/417, 875 Dated: 04-11-2016.

METHODS AND DEVICES FOR CONTROLLING THE MEASUREMENT OF CHANNEL-STATE INFORMATION REFERENCE SIGNAL ELEMENTS IN WIRLESS COMMUNICATION NETWORK.

IPC: H 04L 5/00

1006142

Abstract: One or more nodes transmit CSI-RS symbols in a set of N CSI-RS elements, each CSI-RS element in the set corresponding to at least one resource element in a time-frequency grid of resource elements. The nodes select, from the N CSI-RS elements, a first set of CSI-RS elements to be measured by a first wireless device, the first set comprising one or several of the N CSI-RS elements. The nodes also transmit, to the first wireless device, a message comprising a first K-bit indicator identifying the first set of CSI-RS elements, wherein $K < N$. The nodes then receive a measurement report. The first K-bit indicator is one of a predetermined set of K-bit indicators, where each member of the predetermined set of K-bit indicators uniquely corresponds to a CSI-RS element or group of CSI-RS elements from among the N CSI-RS, according to a pre-determined mapping.

247/2017 JDC CORPORATION, a corporation organized and existing under the laws of Japan. (Whose legal address is 9-9, Akasaka 4-chome, Minato-ku, Tokyo, 1078466, Japan) Priority: PCT/JP2017/25939 Dated: 18-07-2017.

IMPROVED SOIL PRODUCTION MANAGEMENT SYSTEM USING ROTARY CRUSHING AND MIXING APPARATUS

IPC: B 09B 5/00, E 02D 3/12, E02F 7/00

1006135

Abstract: The production management system according to the present disclosure efficiently operate a rotary crushing and mixing apparatus in accordance with the application of improved soils, and the nature and amount of applied materials at the time of production. This system includes improved soil information input means to input information on an aiming quality of the improved soils, material soil information input means to input information on the material soils, setting storing means storing data or a relational expression on a relationship between a setting condition of the rotary crushing and mixing apparatus suitable for achieving the aiming quality of the improved soils and the information on the material soils, and setting condition determining means determining the setting condition of the rotary crushing and mixing apparatus upon comparison or arithmetic processing based on the information input by the improved soil information input means and the information input by the material soil information input means using the data or the relational expression already stored in the setting storing means.

251/2017 LIXIL Corporation (a Japanese Nationality) (whose legal address is 2-1-1 OJima, Koto-ku, Tokoyo 136-8535, Japan.)
Priority: US 62,420,434 Dated: 10-11-2016: US 62/455,190 Dated : 06/02/2017; US 62/455,212 Dated : 06-02-2017 and US 62/523, 727 Dated : 22-06-2017.

DIVERSION SYSTEM FOR USE WITH MULTIPLE PIT LATRINES, RELATED METHODS, LATRIN EASSEMBLIES AND LATRINES.

IPC: E 03D 11/13, E 03F 3/02

1006110

Abstract: A diversion system for use with a multiple pit latrine is provided. The diversion system may include a collection cavity that has an upper portion for receiving waste from the outlet of a latrine pan, and two or more apertures for connection to drain conduits. The diversion system may include a diversion mechanism to direct flow from the collection cavity to one of the two or more apertures. The diversion mechanism may be rotatable from a first position to a second position relative to the apertures to direct flow from the collection cavity to one of the two or more apertures.

256/2017 Telefonaktiebolaget LM Ericsson (publ), a corporation organized and existing under the laws of Sweden, (whose legal address is SE-16483 Stockholm, Sweden)
Priority: CN PCT/CN2017/ 070130 Dated: 04-01-2017 and CN PCT/CN2017/101576 Dated : 13/09/2017.

METHOD AND APPARATUS FOR REQUESTING SYSTEM INFORMATION.

IPC: H 04L 29/06, H 04W 72/12

1006106

Abstract: A method for requesting system information is proposed. The method may comprise transmitting a request for at least one system information block group, each of which comprises one or more system information blocks, from a user terminal to a network node. The one or more system information blocks may be grouped according to a feature of the one or more system information blocks. The method may further comprise receiving one or more system information block groups from the network node. The one or more system information block groups may comprise the at least one system information block group.

280/2017 R.J. Reynolds Tobacco Company. A company Incorporated in USA, (whose legal address is 401 North Main Street, Winston-Salem 27101-3804 NC, United States of America)
Priority: US 15/375,695 Dated : 12/12/2016.

Dehydration of Tobacco and Tobacco-Derived Materials.

IPC: A 24B 009/00, 015/22, 15/22, 9/00

1006126

Abstract: A method of modifying the moisture level of (e.g., dehydrating) a tobacco plant or portion thereof, a tobacco-derived material, a tobacco product, or a tobacco additive is provided herein. The methods of dehydration disclosed herein can provide various benefits relative to traditional drying techniques, including providing retention of various beneficial components present in green tobacco (e.g. organoleptic compounds and proteins). Smoking articles and other tobacco products including such dehydrated tobacco materials are also provided.

291/2017 TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (whose legal address is “Jayalakshmi Estates”, No. 29 (Old No. 8), Haddows Road , Chennai 600 006, India). Priority: IN 201641042562
Dated: 14-12-2016

WHEEL ASSEMBLY FOR A VEHICLE

IPC: B 60B 3/00

1006128

Abstract: The present invention relates to a wheel assembly for a vehicle comprising of two tires, namely a first tire and a second tire. The two tires are enveloped around a first component and a second component. A pre-determined gap is maintained between the first component and second component which enables a balancing moment even after the disturbing moment caused due to CG (centre of gravity) offset of the vehicle. Thus, the present subject matter presents a self-balancing vehicle which does not comprise with the manoeuvring and riding effect that a standard two-wheeled vehicle posses.

9/2018	Pivot Bio, Inc., A Corporation Incorporated in USA, (whose legal address is 2929 7th Street, Suite 120, Berkeley 94710 CA, United States of America) Priority: US 62/445, 557 Dated : 12/01/2017; US 62/445, 570 Dated : 12-01-2017; US 62/447, 889 Dated: 18-01-2017; US 62/467, 032 Dated : 03-03-2017; US 62/566, 199 Dated : 29-09-2017 and US 62/577, 147 Dated: 25/10/2017.	**Methods and Compositions For Improving Plant Traits** *IPC:* C 05F 11/08, C 07K 14/195, C 12N 1/20 **1006124** **Abstract:** Methods and systems are provided for generating and utilizing a bacterial composition that comprises at least one genetically engineered bacterial strain that fixes atmospheric nitrogen in an agricultural system that has been fertilized with more than 20 Ibs of Nitrogen per acre.
14/2018	R&R SALONS PVT. LTD., a company organized and existing under the laws of India, (whose legal address is No. 55, 5th Main, HAL 2nd Stage (Behind Hotel Leela Palace), off Old Airport Road, Kodihalli 560008, Bengaluru, Karnataka, India). Priority: IN 201741002386 Dated: 21/01/2017.	SKIN CARE COMPOSITION. *IPC:* A61K 8/34, A61K 8/36, A61K 8/49, **1006132** **Abstract:** The present subject matter provides a cosmetic skin care composition. The composition comprises dihydromyricetin, niacinamide, and a pH modifier on a cosmetically acceptable vehicle. The pH modifier is configured to adjust pH of the cosmetic composition at a level to control discoloration of the dihydromyricetin and chemical degradation of the niacinamide.
22/2018	ADIENNE Pharma & Biotech SA, a Company incorporated under the laws of Switzerland. (whose legal address is Via Zurigo N. 46, 6900 Lugano, Switzerland). Priority: US 15/609,870 Dated: 31-05-2017.	MULTI CHAMBER FLEXIBLE BAG AND METHODS OF USING SAME *IPC:* A 61B 19/00, A 61M 5/14 **1006138** **Abstract:** A method of preparing a pharmaceutical product in a single multiple chamber flexible bag. A pharmaceutical product is introduced in a liquid state into a first chamber of the flexible bag through a first port. The pharmaceutical product is lyophilized within the first chamber of the flexible bag to provide a lyophilized pharmaceutical product. The flexible bag has a second chamber and the first chamber and the second chamber are separated by a breakable seal. The second chamber further includes a reconstituting solution for reconstituting the lyophilized pharmaceutical product in the first chamber. A user may apply pressure to the flexible bag to break the seal and mix the lyophilized pharmaceutical product and the reconstituting solution to order to administer the pharmaceutical product to a patient.
26/2018	TARALTEC SOLUTIONS PVT. LTD., a Private Limited Company organized and existing under the laws of India. (whose legal address is 176, UDYOG BHAVAN, SONAWALA ROAD, GOREGAON EAST, MUMBAI-400063, India), Priority: IN 201721003016 Dated: 27-01-2017.	A DEVICE AND METHOD FOR ENHANCED PROCESS INTENSIFICATION. *IPC:* B 01F 5/06, B 01J 19/00, C 02F 1/34 **1006134** **Abstract:** This invention discloses a comprehensive device with minimum moving parts that may be brought online in variable fluid flows to automatically create targeted enhanced process intensification including cavitation in a modular way. This device can be incorporated or retrofitted in pressurized fluid lines invariable flow including in borewell handpumps for substantially killing microbes as well as to perform other physical, biological and chemical enhanced process intensifications as per need. The fluid enters into the inlet side of the device and passes through baffle plate(s) wherein in at least one of them, the area of the vena contract of the orifice and/ or distance between two or more baffle plates in the direction of fluid flow is manually or automatically controlled. In this device there is a provision to dose other fluids too for enhanced effect of the process.

42/2018 Telefonaktiebolaget LM Ericsson (publ), a corporation organized and existing under the laws of Sweden, (whose legal address is SE-164 83 Stockholm, Sweden). Priority: US 62/454,714 Dated: 03-02-2017.

NON-ANCHOR CARRIER CONFIGURATION FOR NB-IOT.

IPC: H 04L 5/00

1006140

Abstract: According to some embodiments, a method in a network node comprises broadcasting configuration information comprising: an absolute radio frequency channel number (ARFCN) identifying a frequency position of a first carrier, and an index identifying a frequency position of a second carrier relative to the ARFCN of the first carrier. The method further comprises paging a wireless device using the second carrier. A method in a wireless device comprises: receiving the broadcasted configuration information; determining the frequency position of the second carrier using the frequency position of the first carrier and the index of the second carrier; and monitoring the second carrier for paging information. The wireless device may comprise a narrowband Internet-of-Things device, the first carrier may comprise a NB-IoT anchor carrier, and the second carrier may comprise a NB-IoT non-anchor carrier.

54/2018 KANSAI NEROLAC PAINTS LIMITED, a company organized and existing under the laws of India, (whose legal address is Nerolac House, Ganpatrao Kadam Marg, Lower Parel, Mumbai-400013, Maharashtra, India) Priority: IN 201721027842, Dated: 04/08/2017.

AN ANTI MOSQUITO PAINT COMPOSITION AND A PROCESS FOR PREPARATION THEREOF.

IPC: C 09D 5/14

1006120

Abstract: The present disclosure relates to an anti mosquito paint composition and a process for preparation thereof. The anti mosquitopaint composition comprises a polymeric emulsion, an insecticide that depolarizes axonal sodium channels of mosquitoes, a biocide, a pigment, a dispersing agent, a filler, and water. The anti mosquitopaint composition has pigment volume concentration in the range of 50 to 75%. The insecticide is in an amount in the range of 0.9 to 1.1 mass% of the total mass of the anti mosquitopaint composition, which acts on the central nervous system (CNS) of the mosquitoes by affecting the sodium channels in the axonal membranes, thereby paralyzing the mosquito and further leading to its death. The anti mosquitopaint composition of the present disclosure is non-toxic to humans.

108/2018 YKK CORPORATION, a corporation organized and existing under the laws of Japan, (whose legal address is 1, Kanda Izumi-cho, Chiyoda-ku, Tokyo 1018642, Japan) Priority: JP PCT/JP2017/015365 Dated: 14/04/2017 and JP PCT/JP2017/017949 Dated: 11/05/2017.

METHOD AND APPARATUS FOR ELECTROPLATING.

IPC: C 25D 17/16, 3/56, 5/10

1006104

Abstract: A method for electroplating may include: a step of agitating a multiple of base members that has been immersed in an electrolytic solution inside of an electroplating tank so as to flow in a circumference direction along an inner wall of the electroplating tank; and a step of electroplating the multiple of base members that is flowing along the circumference direction in the electrolytic solution inside of the electroplating tank. The flow of the multiple of base members along the circumference direction is caused by a flow of magnetic media along the circumference direction in the electrolytic solution inside of the electroplating tank or is caused by rotation of an agitation unit provided at a bottom side of the electroplating tank. At least one of the multiple of base members that is flowing along the circumference direction in the electrolytic solution inside of the electroplating tank touches a bottom cathode provided at a bottom side of the electroplating tank, and a base member positioned upward relative to said base member touching the bottom cathode is electrically connected to the bottom cathode via at least said base member touching the bottom cathode.

116/2018 BONUMOSE LLC, a company organized and existing under the laws of United States of America, (whose legal address is 1725 Discovery Drive, Suite 220, Charlottesville, VA 22911, United States of America) Priority:

ENZYMATIC PRODUCTION OF D-ALLULOSE.

IPC: C 12N 9/90, C 12P 19/02, 19/24

1006111

Abstract: The current disclosure provides a process for enzymatically converting a saccharide into allulose. The invention also relates to a process for preparing allulose where the process involves converting fructose 6-phosphate to allulose 6-phosphate, catalyzed by allulose 6-phosphate 3-epimerase, and converting the A6P to allulose, catalyzed by allulose 6-phosphate phosphatase.

126/2018 BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, a British company, (whose legal address is Globe House, 1 Water Street, London, WC2R 3LA, United Kingdom). Priority: GB 1706778.6 Dated: 28/04/2017.

METHOD OF EXTRACTING ONE OR MORE VOLATILE COMPOUNDS OF INTEREST FROM TOBACCO MATERIAL.

IPC: A 24C 5/00, 5/47, B 65B 19/04

1006127

Abstract: There is provided a method of extracting one or more volatile compounds of interest from tobacco material, the method comprising the steps of: i) providing tobacco material; ii) subjecting the tobacco material to steam distillation; and iii) extracting one or more volatile compounds of interest from the tobacco material with a solvent; wherein distillation stem (ii) and extraction step (iii) are carried out simultaneously and at a pH of no greater than 2, and wherein the period during which both the distillation step (ii) and the extraction step (iii) are carried out is from about 8 to about 20 hours.

144/2018 ERKE ERKE ARASTIRMALARI VE MUHENDISLIK A.S., a company duly organized and existing under the laws of Turkey, (whose legal address is Halkali Merkez Mah. Basin Ekspres Cad. No: 5, Kat:5, 34303, Kucukcekmece, Istanbul, TURKEY, Turkey) Priority: EP PCT/EP2017/065297 Dated: 21/06/2017.

BRAKING DEVICE AND METHOD.

IPC: F 16D 61/00

1006122

Abstract: The present invention relates to a braking device and method, and particularly but not exclusively relates to a gyroscopic braking device and method. A braking device comprising a body; inner supporting means for supporting the body for rotation about a first axis; outer supporting means for supporting the inner supporting means for rotation about a second axis; means for rotating the body about the first axis; means for connecting a rotation that is desired to be braked about a fourth axis to the body so as to transmit rotation and torque to the body about the second axis; suspension means for supporting the outer supporting means.

170/2018	JFE STEEL CORPORATION, Nationality: a corporation organized and existing under the laws of Japan, (whose legal address is 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo, 1000011, Japan). Priority: JP 2017-129502 Dated: 30/06/2017.	STRUCTURAL STEEL MATERIAL AND STRUCTURE. *IPC:* C 22C 26/00, 38/00, 38/60 **1006118** **Abstract:** A predetermined chemical composition is provided and a Sn segregation degree is set to 20 or less.
175/2018	Nippon Steel & Sumitomo Metal Corporation, A Corporation Incorporated in Japan, (shose legal address is 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 1008071, Japan). Priority: JP 2017-126093, Dated: 28/06/2017.	Steelmaking Slag For Fertilizer Raw Material, Method For Producing Steelmaking Slag For Fertilizer Raw Material, Method For Producing Fertilizer, And Fertilizer Application Method. *IPC:* C 05D 3/04, 9/02, C 21C 1/02 **1006114** **Abstract:** There is provided steelmaking slag for fertilizer raw material, containing, in mass%, P205: more than or equal to 2% and less than or equal to 8%, MnO: more than or equal to 3% and less than or equal to 10%, boron: more than or equal to 0.005% and less than 0.05%, the total iron: more than or equal to 7% and less than 15%, CaO: more than or equal to 38% and less than or equal to 48%, SiO2: more than or equal to 22% and less than or equal to 30%, sulfur: more than or equal to 0.1% and less than or equal to 0.6%, MgO : more than of equal to 1% and less than or equal to 8%, and A12O3 : more than or equal to 0.5%, and less than or equal to 3%. A ratio of soluble P2O5 in the P2O5 is more than or equal to 50%, a ratio of citric acid-soluble MnO in the MnO is more than or equal to 80%, a slag basicity is more than 1.5 and less than or equal to 2.2, and a bulk specific gravity is more than or equal to 1.9 and less than or equal to 2.8.
176/2018	Nippon Steel & Sumitiomo Metal Corporation, Notionality : A Corporation Incorporated in Japan, (Whose legal address is 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 1008071, Japan). Priority : JP 2017-126094 Dated : 28-06-2017.	Steelmaking Slag For Fertilizer Raw Material, Method for Producing Steelmaking Slag For Fertilizer Raw Material, Method For Producing Fertilizer, And Fertilizer Application Method. *IPC :* C 05D 3/04, 9/02, C 21C 1/02 **1006119** **Abstract :** There is provided steelmaking slag For fertilizer raw material, containing, in mass%, P2O5 : more than or equal to 2% and less then or equal to 8%, MnO : more than or equal to 3% and less then or equal to 10%, boron : more than or equal to 0.005% and less then 0.05%, the total iron : more than or equal to 15% and less then or equal to 30%, CaO : more than or equal to 29% and less than 38%, SiO2 : more than or equal to 16% and less than 22%, Sulfur : more than or equal to 0.1% and less then or equal to 0.6%, MgO : more than or equal to 4% and less then or equal to 8%, and A12O3 : more than or equal to 0.5% and less then or equal to 3%. A ratio of soluble P2O5 in the P2O5 is more than or equal to 50%, a ratio of citric acid-soluble MnO in the MnO : is more than or equal to 80%, a slag basicity expressed by (a CaO content/a SiO2 content) is more than 1.5 and less then or equal to 2.2, and a bulk specific gravity is more than or equal to 2.3 and less than or equal to 3.2.

239/2018 JSC «DB «Promengineering» (a company in corporated under the laws of Russian Federation), (Whose legal address is 123458, Moscow, Twardowskogo str., 8., Russian Federation)
Priority : RU 2017130217
Dated : 25-08-2017.

THRESHOLD CONTROL UNIT FOR OPERATING AN ACTUATOR OR A PROCESS APPARATUS.

IPC : G 05B 19/048

1006141

Abstract : The invention relates to an apparatus used as part of control systems, for example in the safety control systems or automated process control systems, which may be used, for example, at both radiation-hazardous facilities associated with the use of ionizing radiation sources and at industrial facilities. A threshold control unit for operating an actuator or a process apparatus, comprising a threshold module consisting of an input digital pulse counter connectable to the output of an apparatus, which converts a physical parameter affecting thereon into a frequency signal; a clock frequency generator, a timer for the digital pulse counter the input of which is connected to the output of the clock frequency generator, and the output is connected to the input of the input digital pulse counter reset; a threshold RS-trigger, the R-input of which is connected to the output of the input digital pulse counter and the input of the timer digital pulse counter reset, the S-input is connected to the input of the input of the input digital pulse counter reset and to the output of the timer digital pulse counter, and the output is the controlling output of the threshold control unit. The threshold RS-trigger is configured to produce the control signal at exceeding the value of the input frequency signal, and the control signal is used to transmit it to the actuators or process equipment. 5 dependent claims, 2 figures, 1 annex.

240/2018 JSC «DB «Promengineering» (a company in corporated under the laws of Russian Federation), (Whose legal address is 123458, Moscow, Twardowskogo str., 8., Russian Federation)
Priority : RU 2017130218
Dated : 25-08-2017.

THRESHOLD CONTROL UNIT FOR OPERATING AN ACTUATOR OR A PROCESS APPARATUS WITH A FUNCTION OF INPUT SIGNAL DIAGNOSIS.

IPC : G 05B 19/048

1006129

Abstract : The invention relates to an apparatus used as part of control systems, for example in the safety control systems or automated process control systems, which may be used, for example, at both radiation-hazardous facilities associated with the use of ionizing radiation sources and at industrial facilities. A threshold control unit for operating an actuator or a process apparatus, comprising a threshold module consisting of an input digital pulse counter connectable to the output of an apparatus, which converts a physical parameter affecting thereon into a frequency signal; a clock frequency generator, a timer for the digital pulse counter the input of which is connected to the output of the clock frequency generator, and the output is connected to the input of the input digital pulse counter reset; a

threshold RS-trigger, the R-input of which is connected to the output of the input digital pulse counter and the input of the timer digital pulse counter reset, the S-input is connected to the input of the input digital pulse counter reset and to the output of the timer digital pulse counter, and the output is the controlling output of the threshold control unit. The threshold RS-trigger is configured to produce the control signal at exceeding the value of the input frequency signal, and the control signal is used to transmit it to the actuators or process apparatus. The threshold control unit for operating an actuator or a process apparatus comprises a module for detecting a malfunction of the apparatus, which converts the physical parameter affecting thereon into a frequency signal, intended for its periodic diagnostics. The RS-trigger of the malfunction detection module of said apparatus is configured to generate a status signal on the absence of a frequency signal at the input of the input digital pulse counter given the failure of said apparatus and/or the breakage of the cable connecting said apparatus and the threshold control unit. The technical result of the claimed invention is to increase the reliability of the threshold control unit and the safety of the monitored processing facility.

60/2019 JDC CORPORATION, a corporation organized and existing under the laws of Japan. (Whose legal address is 9-9, Akasaka 4-chome, Minato-ku, Tokyo, 1078466, Japan). Priority : JP PCT/JP2017/25939 Dated : 18-07-2017.

IMPROVED SOIL PRODUCTION MANAGEMENT SYSTEM USING ROTARY CRUSHING AND MIXING APPARATUS.

IPC : B 09B 5/00, E 02D 3/12, E 02F 7/00

1006136

Abstract : The production management system according to the present disclosure efficiently operate a rotary crushing and mixing apparatus in accordance with the application of improved soils, and the nature and amount of applied materials at the time of production. This system includes improved soil information input means to input information on an aiming quality of the improved soils, material soil information input means to input information on the material soils, setting storing means storing data or a relational expression on a relationship between a setting condition of the rotary crushing and mixing apparatus suitable for achieving the aiming quality of the improved soils and the information on the material soils, and setting condition determining means 104 determining the setting condition of the rotary crushing and mixing apparatus upon comparison or arithmetic processing based on the information input by the improved soil information input means and the information input by the material soil information input means using the data or the relational expression already stored in the setting storing means.

AKM SHOWKAT ALAM MOZUMDER
Deputy Registrar.

নং ১০৩(৩)/২০০৮-২০১১/১৫৪৪— তারিখ: ১৯ নভেম্বর ২০১৯ খ্রিঃ

গৃহীত পেটেন্ট দরখাস্ত

Accepted Patent Applications

এতদ্বারা জানানো যাইতেছে যে, নিম্নে বাম পার্শ্বে উল্লিখিত যে কোন পেটেন্ট আবেদনপত্র সম্পর্কীয় উদ্ভাবনের জন্য পেটেন্ট মঞ্জুরীর বিরুদ্ধে যে সকল ব্যক্তি বিরোধিতা করিতে ইচ্ছুক তাঁহার এই গেজেট প্রকাশের তারিখ হইতে চার মাস সময় সীমার মধ্যে যে কোন সময় পেটেন্ট, ডিজাইন ও ট্রেডমার্কস অধিদপ্তর, (পেটেন্ট ও ডিজাইন উইং), শিল্প মন্ত্রণালয়, (৬ষ্ঠ তলা) ৯১, মতিঝিল বা/এ, ঢাকা-১০০০, বাংলাদেশ এই ঠিকানায় ১৯৩৩ ইং সনের পেটেন্ট ও ডিজাইন বিধিমালা-১৯৩৩ অনুযায়ী ৬ নং নিদিষ্ট ফরমে বিরোধিতা নোটিশ দাখিল করিতে পারিবেন।

নিম্নে ডান পার্শ্বে প্রদর্শিত সাত অংক বিশিষ্ট সংখ্যাগুলি পুর্ণাঙ্গ বিশেষত্বনামা গৃহীত হইবার পর পেটেন্ট নম্বর প্রদান করা হইয়াছে এবং এই ক্রমিক সংখ্যা অনুসারে বিনির্দেশ মুদ্রণ করা হইবে এবং পরবর্তী কাযর্ক্রম গ্রহণ করা হইবে।

গৃহীত পেটেন্ট দরখাস্তসমূহের সাময়িক (যদি থাকে) ও পুর্ণাঙ্গ বিশেষত্বনামা জনসাধারণের পরিদর্শনের জন্য অফিস চলাকালীন সময়ে অত্র অধিদপ্তরে প্রদর্শিত হয়। যে কোন আবেদনকারীর প্রয়োজনে টাইপ-রাইটারে মুদ্রিত বিশেষত্বনামা প্রত্যায়িত প্রতিলিপি সরবরাহ করা যাইতে পারে যদি তিনি ২৯ নং ফরমে নির্দিষ্ট ফি সহ আবেদন দাখিল করেন এবং বিশেষত্বনামা টাইপ করিবার জন্য নির্দিষ্ট ফি পরিশোধ করেন।

লঘুবন্ধনীর মধ্যে প্রদর্শিত তারিখ ১৯১১ ইং সনের পেটেন্ট ও ডিজাইন আইনের ৭৮ক ধারা/প্যারিস কনভেনশনের বিধান অনুযায়ী অগ্রাধিকার তারিখ রূপে দাবী করা হইতেছে এবং যে দেশে দরখাস্তটি প্রথম দাখিল করা হইয়াছে সেই দেশের নাম তৎসংগে উল্লিখিত হইয়াছে।

Notice is hereby given that all persons interested in opposing the grant of patent on any of the application referred to below may at any time within four months form the date this Gazette, give notice at the Department of Patents, Designs & Trademarks, (Patent & Design Wing), Ministry of Industries (5th Floor), 91, Motijheel C/A, Dhaka-1000, Bangladesh in the prescribed form-6 of the Patents and Designs Rules, 1933.

The seven figures numbers shown in the right hand side are those given to the application on acceptance of the complete specifications and under which the specifications will printed and subsequent proceeding will be taken.

The complete specifications of the accepted applications are open to the public inspection at this office at any time on all working days, if required typed copies of the specifications can be supplied by this office on payment of the prescribed charge which may be ascertained on application to this office.

The priority dates of the applications and the names of the countries in which the application to have been filed first are shown in the crescent brackets. The priority dates are claimed Under Section 78A of the Patents and Designs Act, 1911/ provisions under this Paris Convention.

269/ 2017 Stäubli Sargans AG, a company duly organized and existing under the laws of Switzerland, (whose legal address is Grossfeldstrasse 71, 7320 Sargans, Switzerland). Priority: EP 16201797.4 Dated: 01/12/2016.

Yarn separating module with a capacitive sensor device.

IPC: B 65H 69/04, D 03J 1/14, 1/18

1006150

Abstract: The present invention relates to a yarn separating module comprising a yarn separating device for separating a predetermined number of yarns, preferably a single yarn, from a yarn layer, and a sensor device for monitoring the yarn separation result, in particular the number of actually separated yarns. The yarn separating device is configured to transfer a length portion of the separated yarn into a gap-like monitoring volume of a monitoring capacitor of the sensor device, the gap-like monitoring volume being formed between a first electrode and a second electrode of the monitoring capacitor facing each other and spaced transverse to a longitudinal direction of the length portion of the separated yarn when extending through the monitoring volume of the monitoring capacitor. The sensor device further comprises at least two support surfaces for supporting the separated yarn. The two support surfaces are spaced in the longitudinal direction and fixed relative to the first and second electrodes, wherein the monitoring volume is arranged at least partially between the two support surfaces.

272/ 2017 TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (whose legal address is "Jayalakshmi Estates", No.29 (Old No.8), Haddows Road, Chennai 600 006, India). Priority: IN 201641041438 Dated: 05/12/2016.

SYNCHRONIZED BRAKING SYSTEM.

IPC: B 60T 11/00, B 62L 3/00

1006151

Abstract: The present subject matter provides a braking system. An independent brake lever is pivoted about a first hinge axis. The independent brake lever is capable of abutting an actuation member and is capable of actuating the front wheel brake. A secondary lever pivoted about a second hinge axis is functionally connected to the synchronous brake lever through a secondary cable. The secondary lever is capable of abutting said actuation member for actuating the front wheel brake. The secondary lever and the independent brake lever are capable of moving independent of each other for actuating the front wheel brake through the actuation member.

273/ 2017 TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (whose legal address is "Jayalakshmi Estates", No.29 (Old No.8), Haddows Road, Chennai 600 006, India). Priority: IN 201641041439 Dated: 05/12/2016.

A MASTER CYLINDER ASSEMBLY FOR SYNCHRONIZED BRAKING SYSTEM.

IPC: B 60T 11/10, B 62L 3/08

1006152

Abstract: The present subject matter provides a synchronized braking system comprising a master cylinder assembly. The master cylinder assembly comprises a holder member and a fluid dispensing member. The holder member capable of securing the fluid dispensing member to said handle bar. The holder member includes at least one support portion. A mounting portion of at least one support portion is capable of supporting a secondary lever working in conjunction with the fluid dispensing member (215). A guide portion of at least one support portion is capable of guiding a secondary cable towards the secondary lever. The master cylinder is capable of supporting an independent brake lever and a secondary lever forming a single unit. The master cylinder assembly is compactly disposed on the handle bar.

276/ 2017 Arvind Envisol Ltd., a company existing and organized under the laws of India, (whose legal address is Naroda Road, Ahmedabad - 380 025, Gujarat, India). Priority: IN 201621042074 Dated: 09/12/2016.

APPARATUS FOR SYNTHESIS OF NANOPARTICLE SYSTEM FOR DESALINATION AND METHOD THEREOF.

IPC: B 01J 20/28, C 02F 1/14, 1/28

1006143

Abstract: An apparatus and a method of manufacturing thereof are provided. The apparatus comprises a reactor configured to receive a solution of metal salts and a pH controller. The reactor is configured to cause precipitation of metal salts in a pH Controlled environment resulting in formation of a core. A temperature controller coupled to the reactor. The temperature controller is adapted to heat treat the solution during formation of the core. The reactor is further configured to receive a 10 charge species for coating on the core to form a nanoparticle system. The nanoparticle system has a charged surface and the pH value of the nanoparticle system is based on at least one ionization value of the ionizable group of the charged species. The nanoparticle system is configured to cause desalination of an effluent.

277/ 2017 Arvind Envisol Ltd., a company existing and organized under the laws of India, (whose legal address is Naroda Road, Ahmedabad - 380 025, Gujarat, India). Priority: IN 201621042076 Dated: 09/12/2016.

ANIONIC NANOPARTICLE SYSTEM FOR DESALINATION AND METHOD THEREOF.

IPC: B 01J 41/00

1006144

Abstract: The present subject matter provides a nanoparticle-based desalination system and a method of desalination thereof. The subject matter provides a nanoparticle system having a core and a negatively charged species coated on the core. The pH value of the nanoparticle system is less than the pKa values of the negatively charged species. The nanoparticle system is configured to cause desalination of positively charged ions from an effluent.

278/ 2017 Arvind Envisol Ltd., a company existing and organized under the laws of India, (whose legal address is Naroda Road, Ahmedabad - 380 025, Gujarat, India). Priority: IN 201621042075 Dated: 09/12/2016.

CATIONIC NANOPARTICLE SYSTEM FOR DESALINATION AND METHOD THEREOF.

IPC: B01J 41/00

1006145

Abstract: The present subject matter provides a nanoparticle-based desalination system and a method of desalination thereof. The subject matter provides a nanoparticle system having a core and a negatively charged species coated on the core. The pH value of the nanoparticle system is less than the pKa values of the negatively charged species. The nanoparticle system is configured to cause desalination of positively charged ions from an effluent.

283/ 2017 The Queen's University of Belfast, a university incorporated under the laws of United Kingdom, (whose legal address is University Road Belfast Antrim, BT7 1NN Northern Ireland, Ireland). Priority: GB 1621523.8 Dated: 16/12/2016.

Separation of Rare Earth Metals.

IPC: C 22B 3/26

1006146

Abstract: A method for extracting a rare earth metal from a mixture of one or more rare earth metals, said method comprising contacting an acidic solution of the rare earth metal with a composition which comprises an ionic liquid to form an aqueous phase and a non-aqueous phase into which the rare earth metal has been selectively extracted.

285/ 2017 STAR SYRINGE LIMITED, a company organized and existing under the laws of Great Britain, (whose legal address is First Floor Thavies Inn House, 3-4 Holborn Circus London EC1N 2HA, United Kingdom). Priority: GB 1621266.4 Dated: 14/12/2016 and PK 49/2017 Dated: 24/01/2017

NEEDLESTICK PREVENTION DEVICE.

IPC: A 61M 5/32

1006147

Abstract: A needlestick prevention device for an injection needle carried by a needle-bearing member of a syringe is formed as a one-piece moulding and comprises a first part adapted to be attached to the needle-bearing member and a second part providing a shield for the needle and pivotally movable relative to the first part to expose the needle for use. The device is adapted

to adopt a first position in which the needle is protected for transport of the device prior to use, a second position in which the needle is exposed for filling of the syringe and injection, a third position in which the needle is protected after filling of the syringe but before injection and a fourth position in which the needle is locked in the device following injection. In one embodiment the shield has a transport recess and a locking recess connected by a gate device, the arrangement being such that in the third position the needle is in the transport recess and is able to move into the second position, and in the fourth position the needle moves through the gate device into the locking recess, with the gate device preventing movement out of the fourth position. The device also includes energy-dissipating bumps operative to reduce the energy of the shield as it is returned to the third position and before the gate device contacts the needle in order to prevent splattering of any liquid on the needle out of the device.

286/ 2017 JOINT STOCK COMPANY "TVEL" [RU/RU]., A Company incorporated under the laws of Russia, (whose legal address is Kashirskoe shosse, 49, 115409, Moscow, Russian Federation). Priority: RU PCT/RU2016/000947 Dated: 29/12/2016.

NUCLEAR REACTOR'S FUEL ASSEMBLY.

IPC: G 21C 3/34

1006158

Abstract: The invention is related to the nuclear power industry sphere, specifically to the design of fuel assemblies of nuclear reactors, and is aimed at supporting efficient mixing of the heat carrier. The nuclear reactor fuel assembly with the cross-section in the form of equilateral hexagon contains upper and lower end caps, guide channels, fuel elements situated in triangular network points, and at least one array consisting of cells integrally connected in between, made in polyhedral tube form, whose longitudinal axis coincides with the longitudinal axis of the fuel element. Six nonadjacent edges of the cell are made inclined on account of changing the edge width along the cell axis. Edges parallel to the fuel assembly axis, with cells adjacent to each other thereby, are located between inclined edges. Cells in this case are situated in the array in rows parallel to one of main diagonals of the regular hexagon. One pair of opposite inclined edges has edge width from the upper end cap side smaller than edge width from the lower end cap side. The cell centreline crossing these edges makes an angle of 30 degrees with the aforementioned diagonal. Remaining inclined edges has edge width from the upper end cap side greater than edge width from the lower end cap side. Cells of each row have similar orientation and centrelines of cells in adjacent rows form an angle of 60 degrees. The width of inclined cell edges is changing along the cell axis in a way that the cell cross-section area is constant along its axis. The invention makes it possible to reduce irregularity of heat carrier parameters in the fuel assembly and increase the reactor capacity on account of increasing margins to critical parameters of heat carrier.

287/ 2017 JOINT STOCK COMPANY "TVEL" [RU/RU]., A Company incorporated under the laws of Russia, (whose legal address is Kashirskoe shosse, 49, 115409, Moscow, Russian Federation). Priority: RU PCT/RU2016/000948 Dated: 29/12/2016.

NUCLEAR REACTOR FUEL ASSEMBLY.

IPC: G 21C 3/34

1006157

Abstract: The invention is related to the nuclear power industry sphere, specifically to the design of fuel assemblies of nuclear reactors, and is aimed at supporting efficient mixing of the heat carrier for the purpose of improving heat removal from fuel elements, The nuclear reactor fuel assembly contains upper and lower end caps, guide channels, fuel elements situated in triangular network points, and at least one array consisting of cells integrally connected in between, Each cell is made in the form of a shaped tube, with the longitudinal axis thereof coinciding with the longitudinal axis of the fuel element and having hexagon-shaped cross-section, with its edges consisting of middle and two outermost sections. Outermost sections, at least near edges of cells from the upper end cap side, have deflection with a steady change in value along the longitudinal axis of the cell. Outermost sections of neighboring edges adjacent to common top of hexagon have deflection direction opposite to the cell CenterPoint. Directions of deflections of adjacent cells' edges contacting with each other are opposite relatively to CenterPoint's of their specific cells. There is no gap between array cells.

288/ 2017 Prosper Environmental Tech Enterprise Co., Ltd., a Ltd. Company organized & existing under the laws of R.O.C., (whose legal address is 2F, No. 38, Ln.32, Longxing st, Shulin Dist, New Taipei City 238, China) and LEE, CHIN-KUEI, a national of R.O.C., (whose legal address is 2F, No. 38, Ln.32, Longxing st, Shulin Dist, New Taipei City 238, China). Priority: GB 1712563.4 Dated: 04/08/2017.

METHOD AND APPARATUS FOR REDUCING SECONDARY POLLUTION.

IPC: D 06B 23/00, 23/12, D 06M 23/00, D 06P 1/00

1006160

Abstract: A method and an apparatus to reduce secondary pollution and to recover dyeing and finishing wastewater for reuse are disclosed. A wastewater recovery device comprises shunt control unit, sieving module, pH value adjustment module, coagulation and despumation module, cooling unit, microorganism decomposition and removal module, ion filtration unit and evaporation unit. Shunt control device raises dyeing and finishing wastewater and distinguishes highly polluted water from lowly polluted water and then screen off insoluble foreign matters from highly polluted water and from lowly polluted water respectively, blend pollutants evenly and adjust acid-base. Coagulation and despumation module removes suspended solids from the water and reduces the chromaticity of water. Cooling unit decreases water temperature, and as soon as water cools down, decomposes microorganisms and removes residual microorganisms from the water. The highly polluted wastewater is treated and tested to comply with emission standard before it is discharged while the lowly polluted wastewater is treated and tested to comply with recovery standard before it is recovered for reuse. Furthermore, to improve the quality of the recovered water, the lowly polluted wastewater is treated with ion filtration unit and evaporation unit to remove the crystallized pollutants and to remove the amount of total dissolved solids before the wastewater is discharged.

295/ 2017 STAUFFER Edouard, Nationality: A Swiss National, (whose legal address is 223 Route de Sauverny, 1290 Versoix, Switzerland). Priority: IB PCT/IB2016/058075 Dated: 29/12/2016.

A sports garment.

IPC: A 41D 13/00

1006162

Abstract: The present invention relates to a garment, in particular sports garment, comprising at least two pieces of fabric attached to each other by means of a first seam which is weak and arranged to give way in the event of pulling on one of the pieces of fabric, in order to permit separation thereof. Said at least two pieces of fabric are also attached together by means of at least one second seam, or strong seam, which is more robust than the first seam and is arranged not to give way in the event of pulling on one of the pieces of fabric and to be entirely undone by pulling on one of the threads of which it is formed so as no longer to connect said at least two pieces of fabric.

299/ 2017 Dr. A. Amir Shubbar (whose legal address is Hasenhägweg 73, 63741 Aschaffenburg, Germany) and Mahdi Shubbar, both of Germany, (whose legal address is Hasenhägweg 73, 63741 Aschaffenburg, Germany). Priority: DE 102016125886.0 Dated: 29/12/2016.

IMPROVED ANTISTATIC PRESSURE TANK.

IPC: F 17C 1/00

1006165

Abstract: Pressure tank for storage of high and low fluids/gases, particularly LPG, LNG or CNG, comprising a hollow body of thermoplastic material with at least one outlet, which has a surrounding contact area, one boss each per outlet, which has at least one aperture each to the interior of the hollow body and which is connected by a complementary contact area over its entire surface with contact area, whereas the aperture has a diffuser at a bottom end, sealing the aperture in an axial direction and comprising only openings, which point primarily in radial direction, comprising a static eliminator wall around the diffuser inside the hollow body, whereas the static eliminator wall is a part of the boss or the neckring or is fixed as a separate part on coupling piece.

301/ 2017 Telefonaktiebolaget LM Ericsson (publ), a corporation organized and existing under the laws of Sweden, (whose legal address is SE-164 83 Stockholm, Sweden). Priority: US 62/446,743 Dated: 16/01/2017.

TRACKING AREA UPDATE IN RRC_INACTIVE.

IPC: H 04W 60/00, 76/27

1006161

Abstract: A method in a network node comprises receiving, from a user equipment configured in an inactive state, a request to resume a connection as part of a non-access stratum procedure. The method comprises resuming the connection in response to the request. The method comprises obtaining an indication that signalling associated with the non-access stratum procedure is complete.

302/ 2017	Noronnahar Rina, (whose legal address is 325/5, Hazi Ismail Dewan Road, Dewan City, Ibrahim Palace, Flat- B2, Moddho Azompur, Dakkhinkhan, Dhaka-1230, Bangladesh) and Lotfur Naher, both of we are Bangladeshi national. (whose legal address is House-02, Road-14, Section-10, Block-C, Post- Mirpur-1216, Dhaka North City Corporation, Dhaka, Bangladesh).	Process for the Generation of Electricity Without Fuel. *IPC:* F 03G 3/08 **1006168** **Abstract:** Without any external fuel, turbine/alternator shall produce electricity and will continue producing electricity by a little portion of its own produced energy. Structure of production process is simple and cheap and that was not possible previously. It takes only 1/10th of money as production cost than any other banal method of producing electricity. It requires short time and simple production method to produce electricity. Possibility of accident is rare. Production of electricity by using vortical power of weight wheel has not taken place before. This structure is possible to establish in both developed and least developed country.
10/ 2018	Ricetec, Inc., a company existing and organized under the laws of United States of America, (whose legal address is 1925 FM 2917, Alvin, Texas 77511, United States of America). Priority: US 62/452800 Dated: 31/01/2017; US 62/453094 Dated: 01/02/2017; US 62/508264 Dated: 18/05/2017 and US 62/573451 Dated: 17/10/2017.	Effects Of A Plurality Of Mutations To Improve Herbicide Resistance/Tolerance In Rice. *IPC:* A 01H 5/10, C 12N 9/10, 9/88 **1006159** **Abstract:** Rice is described that is tolerant/ resistant to AHAS/ALS inhibitors because of a plurality of mutations that act synergistically in providing resistance/tolerance to the herbicide. Tolerance/resistance is due to presence of combined mutations in the rice leading to amino acid substitutions (A205V and G654E) in the AHAS/ALS enzyme. Use of the rice for weed control and methods of producing tolerant/resistant rice are also disclosed.
13/ 2018	R&R SALONS PVT. LTD, a company organized and existing under the laws of India, (whose legal address is No. 55, 5th Main, HAL 2nd Stage (Behind Hotel Leela Palace), off Old Airport Road, Kodihalli-560008, Bengaluru, Karnataka, India). Priority: IN 201741002385 Dated: 21/01/2017.	A COSMETIC COMPOSITION FOR RETARDATION OF HAIR GROWTH. *IPC:* A 61K 7/02, 8/365, 8/49, 98/9789 **1006169** **Abstract:** The present subject matter provides to a cosmetic composition. More specifically, the subject matter provides a hair growth retardant composition comprising dihydromyricetin as an inhibitor; at least one oxidation preventing agent wherein the oxidation preventing agent is selected from: an acidifying agent, an antioxidant, a chelator, and a combination thereof; and a cosmetically acceptable vehicle. The subject matter further provides, the composition comprising any one or more of Gymnema sylvestre and Narcissus tazetta bulb extract as inhibitors.
34/ 2018	Telefonaktiebolaget LM Ericsson (publ), a corporation organized and existing under the laws of Sweden, (whose legal address is SE-164 83 Stockholm, Sweden). Priority: US 62/451,866 Dated: 30/01/2017.	RE-ESTABLISHING A RADIO RESOURCE CONTROL CONNECTION. *IPC:* H 04W 12/06 **1006179** **Abstract:** A method for re-establishing a Radio Resource Control, RRC, connection between a User Equipment, UE, and a target evolved NodeB, target eNB, the method being performed by the UE and comprising: receiving an RRC Connection Reestablishment message from the target eNB, the RRC Connection Reestablishment message including a downlink, DL, authentication token which has been generated by a Mobility Management Entity and has had a Non Access Stratum integrity key as input; and authenticating the received DL authentication token. Discloses are also UEs, target eNBs, source eNBs and Mobility Management Entities as well as methods, computer programs and computer program product related thereto.

39/ 2018 | LAFER SPA, A Company incorporated in Italy, (whose legal address is Via Lago di Garda, 98-36015 Schio (VI), Italy). Priority: IT 102017000068662 Dated: 20/06/2017.

POSITIONING DEVICE AND POSITIONING METHOD.

IPC: D 06C 21/00

1006178

Abstract: A compacting machine for compaction a fabric comprises at least a first mechanical compacting module provided with a feed roller, a retarding roller and a blade element configured to introduce the fabric to be treated between the feed roller and the retarding roller. The compacting machine also comprises a positioning device provided with at least one drive member configured to move one of the rollers with respect to the other of the rollers.

40/ 2018 | TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (whose legal address is Jayalakshmi Estates, No.29 (Old No.8), Haddows Road, Chennai 600 006, India) Priority: IN 201741003729 Dated: 01/02/2017.

An Air Cleaner For An Internal Combustion Engine.

IPC: B 04C 5/28

1006177

Abstract: The present invention relates to an air cleaner system for a vehicle. The air cleaner system comprises a filter element to filter the atmospheric air entering in. The air cleaner system comprises of a pre filter body comprising of an opening in which the filter element is partially accommodated. In addition to it, an access plate is attached to the pre filter body to cover said opening, and wherein the filter element is accessible after removal of the access plate through said opening. The filter element comprises a filter paper wrapped around a sheet metal mesh with a sheet metal retainer disposed on one end. A handle is provided on sheet metal retainer through which said filter element is accessed and removed.

41/ 2018 | Arvind Limited, a company existing and organized under the laws of India, (whose legal address is Naroda Road, Ahmedabad - 380025, Gujarat, India). Priority: IN 201721004128 Dated: 04/02/2017.

A PROCESS FOR PREPARING A WORKWEAR FABRIC AND A A WORKWEAR FABRIC THEREOF.

IPC: D 06C 27/00

1006181

Abstract: A knitted workwear fabric and a process for preparation thereof is disclosed. The knitted work-wear fabric comprises of a vortex spun yarn and a filament yarn knitted with a plated knitted structure. The present invention also provides a process for preparation of the knitted workwear fabric. The knitted workwear fabric of the present invention provides dimensional stability and high pilling resistance properties. The fabric of the present invention is low in weight with excel-lent abrasion, wash and light fastness and a highly durable fabric.

45/ 2018 | Lixil Corporation, A Corporation incorporated in Japan, (whose legal address is 36F Kasumigaseki Building 3-2-5, Kasumigaseki, Chiyoda-ku, Tokyo 100-6036, Japan). Priority: US 62/455,207 Dated: 06/02/2017.

Collection Box Assemblies for Use With Latrine Pans.

IPC: E 03D 11/10, F 16D 65/02

1006171

Abstract: Collection box assemblies for use with latrine pans are provided. In some embodiments, collection box assemblies include a collector to receive waste from the latrine pan, a flapper that includes a counterbalance device and a coverplate disposed on opposite sides of a pivot, wherein the coverplate has a shape configured to cover a waste portal when the coverplate is engaged against the lower portion of the receiving conduit.

52/ 2018	ZHANG, Yue, a National of China, (whose legal address is Broad road, room 348, Oriental ginza, 348 changshashi, Hunan 410127, China). Priority: CN 201710379554.0 Dated: 25/05/2017 and CN 201710742327.X Dated: 25/08/2017.	HOT-AIR OXYGEN-FREE BRAZING SYSTEM. *IPC:* B 23K 1/008, 1/012 **1006183** **Abstract:** Disclosed is a hot-air oxygen-free brazing system, including a furnace body and a hot-air circulation system. Under an oxygen-free environment, the hot-air circulation system leads gas into a working chamber of the furnace body and cyclically heats a workpiece under the condition of brazing. The hot-air oxygen-free brazing system of the present invention is good in temperature uniformity, high in brazing quality, long in service life, and wide in application range.
58/ 2018	Levi Strauss & Co., a corporation organized under the laws of the State of Delaware, (whose legal address is 1155 Battery St, San Francisco, CA 94111-1230, (415) 501-6000, United States of America). Priority: US 15/841263 Dated: 13/12/2017.	Fabric with Enhanced Response Characteristics for Laser Finishing. *IPC:* A 41D 27/08, 31/00, A 41H 3/08 **1006184** **Abstract:** A fabric has enhanced response characteristics for laser finishing. The fabric can be denim for denim apparel such as jeans. Software and lasers are used to finish apparel made of the fabric to produce a desired wear or distressing pattern or other design. The fabric allows for relatively fast color change in response to the laser, color changes in hue from indigo blue to white, many grayscale levels, and maintains strength and stretch properties. A method used to make the fabric includes spinning, dyeing, and weaving yarns in such a way to obtain the desired enhanced response characteristics for laser finishing.
63/ 2018	B Medical Systems S.a.r.I., A company existing under the laws of Luxembourg, (whose legal address is 17, op der Hei, L-9809 Hosingen, Luxembourg) Priority: EP PCT/EP2017/054654 Dated: 28/02/2017.	Vaccine carrier with a passive cooling system. *IPC:* F 25D 3/06 **1006149** **Abstract:** The present invention relates to a mobile vaccine carrier comprising a housing having a lid preferably hinged to a base member, a vaccine storage member disposed within the housing and defining a storage space for a plurality of vaccine containers; and a cooling element disposed within the housing. The vaccine storage member further comprises an inner container defining the storage space and having an inlet opening for placing and removing vaccine containers; a removable vaccine container holder and a cover member disposed on the lid. The vaccine container holder has an abutment portion abutting against an outer portion of the inner container so that the inlet opening is covered by the vaccine container holder and at least a part of the cover member protrudes into the storage space when the lid is in a closed position. Further, the invention relates to a method for operating a vaccine carrier.
75/ 2018	XEROS LIMITED, a corporation organized and existing under the laws of United Kingdom, (whose legal address is Unit 2, Advanced Manufacturing Park, Whittle Way, Catcliffe, Rotherham, South Yorkshire S60 5BL, United Kingdom). Priority: GB 1703901.7 Dated: 10/03/2017.	METHOD FOR TRANSFERRING A COLORANT TO A CELLULOSIC SUBSTRATE. *IPC:* D 06P 1/38, 3/66, 5/15, 7/00 **1006156** **Abstract:** A method for transferring a colorant to a substrate comprising agitating a composition comprising the substrate, solid particles, the colorant and a liquid medium, wherein: the colorant is dissolved and/or dispersed in the liquid medium; the substrate is or comprises a cellulosic material; the solid particles have a size of from 1 to 50mm.

87/ 2018 SANTONI S.P.A., a company existing and organized under the laws of Italy, (whose legal address is Via Carlo Fenzi 14, 25135 BRESCIA, Italy).
Priority: IT 102017000044778 Dated: 24/04/2017.

A lever actuator for circular knitting machines.

IPC: D 04B 15/78, 9/20

1006153

Abstract: A lever actuator for circular knitting machines comprises a first array of levers and a second array of levers. Each array of levers comprises a plurality of levers arranged consecutively along a common axis. The second array of levers and the first array of levers are arranged consecutively one after the other along the common axis. The first array of levers is configured for engaging with teeth of selectors of the circular knitting machine if the relative rotation of a needle-holding cylinder with respect to actuating cams of this circular knitting machine occurs in a first sense of rotation. The second array of levers is configured for engaging with the teeth of the selectors if the relative rotation of a needle-holding cylinder with respect to the actuating cams occurs in a second sense of rotation opposite to the first sense of rotation.

88/ 2018 SANTONI S.P.A., a company existing and organized under the laws of Italy, (whose legal address is Via Carlo Fenzi 14, 25135 BRESCIA, Italy).
Priority: IT 102017000044770 Dated: 24-04-2017.

A circular knitting machine with a plurality of actuating cams and with a drive chain for moving the needles.

IPC: D 04B 15/32, 9/20

1006154

Abstract: A circular knitting machine comprises a needle-holding cylinder having a plurality of longitudinal grooves housing a plurality of needles, at least one yarn feed operatively associated to the needles, actuating cams arranged around the needle-holding cylinder and movable with respect to the needle-holding cylinder around the central axis, a drive chain for each needle operatively placed between the respective needle and the actuating cams. The drive chain comprises: a sub-needle, a selector having a respective butt which can be engaged with respective selector paths, a selecting device acting under control upon the selector, a punch equipped with a respective butt which can be engaged with respective punch paths. Taking as reference the drive chain rotating with respect to the actuating cams around the central axis in a sense of rotation, the punch paths comprise a tuck stitch ascent and a drop stitch ascent for each yarn feed. An inlet of the drop stitch ascent circumferentially precedes an inlet of the tuck stitch ascent. The selector paths comprise a single track defining a first ascent and a second ascent placed in succession one after the other for each yarn feed. The first ascent circumferentially precedes the second ascent and is operatively associated to the drop stitch ascent and the second ascent is operatively associated to the tuck stitch ascent.

89/ 2018 SANTONI S.P.A., a company existing and organized under the laws of Italy, (whose legal address is Via Carlo Fenzi 14, 25135 BRESCIA, Italy).
Priority: IT 102017000044701
Dated: 24-04-2017.

A circular knitting machine with a drive chain, for moving the needles, provided with a sub-needle, a selector, a punch and an activating element.

IPC: D 04B 15/32, 15/68

1006155

Abstract: A circular knitting machine comprises a needle-holding cylinder having a plurality of longitudinal grooves arranged around a central axis, and a plurality of needles, each being housed in a respective longitudinal groove. A drive chain for each needle is inserted into each longitudinal groove, is located below the respective needle and is operatively placed between the respective needle and actuating cams. The drive chain comprises a sub-needle slidingly arranged in the respective longitudinal groove below the needle and having a butt, wherein the butt is radially movable between an operating position, in which it is extracted so as to engage with respective first paths defined by first actuating cams and cause the activation of the needle and the stitch formation, and a non-operating position, in which it is retracted so as not to engage with said first paths (inactive needle). A selector is arranged under the sub-needle and a punch is arranged between the sub-needle and the selector. An activating element is slidingly arranged in the respective longitudinal groove between the sub-needle and the selector, can be longitudinally moved with respect to the punch and with respect to the sub-needle and can be operatively engaged with the sub-needle so as to switch the butt of the sub-needle into and retain it in the respective operating position.

98/2018 Frantisek POLAK, Nationality: a Czech national and (whose legal address is Havlickova 4, 664 01 Ricmanice, Czech Republic) and Lucie SLAVICKOVA, Nationality: a Czech national, (whose legal address is Ondrackova 192/57, 628 00 Brno, Czech Republic).
Priority: CZ PV 2017-187
Dated: 31-03-2017 and CZ PV 2018-141
Dated: 21-03-2018.

Concrete, a dry mixture for the preparation of this concrete, and a method for the preparation of this concrete.

IPC: C 04B 28/02, 40/00

1006163

Abstract: The invention relates to fresh concrete which contains in 1 m3 135 to 250 kg of water, 135 to 400 kg of cement or 135 to 455 kg of a mixture of cement and substituents of cement in a ratio of cement to substituents of cement from 30 : 70 to 70 : 30, 28 to 52 kg of microsilica and 1000 to 2000 kg of aggregate with upper fraction of up to 16 mm, or up to 8 mm, whereby 70 to 100% of this aggregate is formed by brick or ceramic or mixed recyclate made from inert construction and demolition waste with a fraction of 0 to 16 mm, or 0 to 8 mm and/or concrete recyclate with a fraction of 0 to 16 mm, or 1 to 16 mm, or 0 to 8 mm, or 1 to 8 mm. A possible remaining part of the aggregate – up to a maximum of 30% by weight, is formed by natural aggregate with upper fraction of up to 16 mm orup to 8 mm. Another 0 to 30% by weight of the aggregate may be made up of at least one known improving component which enhances thermal and/or acoustic and/or fire resistance properties of concrete and which is commonly used in standard concretes. The invention also relates to a dry mixture for the preparation of this concrete, as well as a concrete product or a prefabricated element made from this concrete. In addition, the invention relates to a method for the preparation of this fresh concrete.

107/ 2018 Secure International Holdings Pte. Ltd., a company organized and existing under the laws of Singapore, (whose legal address is 160 Robinson Road, #17-01 Spore Business Federation Ctr, Singapore, 068914, Singapore).
Priority: GB 1705551.8
Dated: 06-04-2017.

Electrical terminal.

IPC: H 02G 7/00

1006164

Abstract: Embodiments of the invention relate generally to an electrical terminal including an electrical connector, a cable insertion opening, an actuator such as a spring, a locking mechanism, and a holding mechanism. Following installation of an electrical cable and upon the release of the holding mechanism, the locking mechanism is forced onto the electrical cable conductor by the spring force of the spring, permanently clamping a conductor of the electrical cable onto the current busbar. This prevents removal of the electric cable conductor, creating a tamper proof configuration post installation. It also reduces the likelihood of a poor electrical connection forming between the electrical cable conductor and the current busbar as a result of an incorrect or poor quality installation.

113/ 2018 CHAE, Jae Ou (Korean national), (whose legal address is 1-608, Sam-ik Apt., 218, Nonhyeon-ro, Gangnam-gu, Seoul, 06272, Republic of Korea) and KWEON, Eung Du (Korean national), (whose legal address is 301, 3F, B-dong, 11, Yeonseo-ro 25-gil, Eunpyeong-gu, Seoul, 03333, Republic of Korea).
Priority: KR 10-2017-0050728
Dated: 20-04-2017.

HYBRID COMBUSTION APPARATUS USING PYROLYSIS OF WATER AND COMBUSTION AIR.

IPC: F 23G 5/027

1006170

Abstract: The present invention is intended to provide a hybrid combustion apparatus using the pyrolysis of water and combustion air, in which a combustion chamber is defined by a double wall and divided into a primary combustion chamber configured to combust waste and a secondary combustion chamber configured to combust exhaust gas, and the size (diameter) of a combustion unit through which waste is configured to be different from that of the combustion chamber in which a flame is located, so that combustion temperature is further increased by introducing air, so that heated due to proximity to a flame, as combustion air, combustible waste is combusted at an ultrahigh temperature by pyrolyzing water and combustion air by means of a high combustion temperature, and so that complete combustion is achieved by increasing the time for which a flame stays within the combustion chamber, thereby discharging clean exhaust gas.

148/ 2018 Organ Needle Co., Ltd., a Company incorporated under the laws of Japan, (whose legal address is 1 Maeyama, Ueda-shi, Nagano-ken 386-1436, Japan). Priority: JP JP2017-119398
Dated: 19-06-2017.

KNITTING NEEDLE.

IPC: F 01M 9/10

1006182

Abstract: In a knitting needle 10 having a needle stem 20 that is slidably attached to a shuttle groove 55 of a knitting machine, the need stem 20 is provided with rising portions 40 that face a sliding direction D of the knitting needle 10. A bullet-like protrusion 41 that protrudes outward in the sliding direction D of the knitting needle 10 is formed at each of the rising portions 40. Thus, it is possible to provide a knitting needle in which a flow of lubricating oil can be controlled during use so that the lubricating oil can be spread all over the knitting needle.

166/ 2018 University of Kentucky Research Foundation, a corporation organized and existing under the laws of U.S.A., (whose legal address is 144 ASTeCC Building, Lexington, KY 40506-0286, Kentucky, United States of America).
Priority: US 62/524,216
Dated: 23-06-2017.

Method for Modulating Alkaloid Content by Modifying a N1C1 ERF Gene.

IPC: A 01H 5/12, A 24B 13/00, 15/16, 3/12

1006172

Abstract: The present invention provides a method for modulating the alkaloid content of a plant (e.g. a tobacco plant), the method comprising modifying said plant by modulating the activity or expression of at least oneNic1 ERFgene. The present invention also provides for the use of at least oneNic1 ERF gene for modulating the alkaloid content of a plant, as well as tobacco cells, plants, plant propagation materials, harvested leaves, processed tobaccos, or tobacco products obtainable in accordance with the invention.

167/ 2018 FAST RETAILING CO., LTD., a company organized and existing under the laws of Japan, (whose legal address is 717-1, Sayama, Yamaguchi-shi, Yamaguchi 754-0894, Japan).
Priority: US 15/798,690
Dated: 31-10-2017.

DAMAGE PROCESS FOR A TEXTILE PRODUCT.

IPC: D 06C 23/00, D 06P 5/15, 5/158

1006180

Abstract: A damage process for a textile product is provided. The process includes agitating a textile product having a moist surface together with one or more abrasives of artificial fibers to allow the moist surface to be shaved by the one or more abrasives of artificial fibers.

174/ 2018 XEDA INTERNATIONAL S.A, a company organized and existing under the laws of France, (whose legal address is Zone Artisanale la Crau Route Nationale 7, 13670 SAINT ANDIOL, France).
Priority: FR 17 55964
Dated: 28-06-2017.

Treatment assembly and process, plant products storage and growing assembly comprising said treatment assembly.

IPC: A 01M 13/00, 17/00, A 23B 7/144

1006167

Abstract: The treatment assembly comprises: - an evaporation device including a gas circulation conduit, and a material with a large specific surface filling an evaporation section of the circulation conduit; - a device for circulating the gas through the circulation conduit; - a liquid impregnating the material with a large specific surface, the liquid containing at least one product or a mixture of volatile biocide and/or phytoprotective products, with a boiling temperature comprised between and the material with a large specific surface having a liquid retention capacity greater than 50 L/m3 of material with a large specific surface at 20°C; - a recharging device, arranged to re-impregnate the material with a large specific surface with liquid or to replace the spent material with a large specific surface with a new material with a large specific surface impregnated with liquid.

183/ 2018 GOO, JEI HYUN, Nationality: Republic of Korea, (whose legal address is 402, 3-5 Samjeonro8gil Songpagu, Seoul, Korea 05606, Republic of Korea). Priority:

AN APPARATUS WHICH ROTATES A SHAFT IN WHICH ONE ELECTROMAGNET IS USED.

IPC: H 02K 53/00

1006175

Abstract: An apparatus which rotates a shaft by using one electromagnet is disclosed. Permanent magnets are placed around a shaft in order to rotate with the shaft and one electromagnet is placed outside the circumference of the permanent magnets and one device of activating electromagnet is placed. Two secondary cell batteries are used to activate the electromagnet and the electromagnet makes the permanent magnets rotate. The secondary cell batteries are charged by using back-emf which occurs to the electromagnet. Coils are placed around the circumference of the permanent magnets and so the rotating permanent magnets generate electricity to the coils.

203/ 2018 Arvind Limited, a company existing and organized under the laws of India, (whose legal address is Naroda Road, Ahmedabad - 380 025, India). Priority: IN 201721025512 Dated: 18-07-2017.

CONTINUOUS DYEING OF THERMOPLASTIC MATERIAL.

IPC: C 09B 57/08

1006173

Abstract: Described is a process for continuous dyeing of yarn or fabrics having thermoplastic material or blends of thermoplastic material with cellulosic fibers. The continuous process provides a garment having reproducible washed down appearance manufactured from the oxidative dyed yarns or fabric comprising thermoplastic material.

213/ 2018 TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (whose legal address is Jayalakshmi Estates, No.29 (Old No.8), Haddows Road, Chennai 600 006, India). Priority: IN 201741026506 Dated: 26-07-2017.

A TRANSMISSION SYSTEM FOR A TWO-WHEELED VEHICLE.

IPC: B 62M 23/02

1006174

Abstract: The present invention discloses transmission system of a saddle type vehicle comprising an internal combustion engine. The IC engine comprises of a crankshaft, an output shaft configured to receive rotary motion from the crankshaft and operably connected to provide rotary motion output to a rear wheel of the saddle type vehicle, and a first transmission mechanism interposed between the crankshaft and the output shaft, said first transmission mechanism configured to provide variable torque rotary motion output at the output shaft. An electric motor unit is detachably mounted on the external surface of the IC engine, said electric motor unit operably connected to the output shaft to provide independent and parallel rotary motion output at the output shaft along with the IC engine. This permits easy conversion to hybrid vehicle with minimal changes in vehicle layout, and provides for torque multiplication of rotary output from the electric motor unit.

285/ 2018 YKK CORPORATION, a corporation organized and existing under the laws of Japan, (whose legal address is 1, Kanda Izumi-cho, Chiyoda-ku, Tokyo 1018642, Japan). Priority: JP PCT/JP2018/014318 Dated: 03-04-2018.

ELECTROPLATED ARTICLES WHERE ALLOY GRAINS ARE DISTRIBUTED IN ELECTROPLATED LAYER THEREOF, AND METHOD OF MANUFACTURING THE SAME.

IPC: C 25D 7/02

1006166

Abstract: There is a technical problem of low cohesion between a base member and an electroplated layer due to an interface between the base member and the electroplated layer. An electroplated article 5 includes a base member 51 that includes one or more base member-metallic elements; and an electroplated layer 52 that is formed directly on the base member 51. The electroplated layer 52 includes at least a first electroplated layer-metallic element and a second electroplated layer-metallic element that is different from the first electroplated layer-metallic element. The second electroplated layer-metallic element is a metallic element that is identical to at least one of the one or more base member-metallic elements. A ratio of the second electroplated layer-metallic element in the electroplated layer 52 is continuously decreased as being away from the base member 51 in the thickness direction of the electroplated layer 52. Alloy grains including at least the first and second electroplated layer-metallic elements are distributed in the electroplated layer 52 such that a clear interface is not formed between the base member 51 and the electroplated layer 52.

123/ 2019 STAR SYRINGE LIMITED, a company organized and existing under the laws of Great Britain, (whose legal address is First Floor Thavies Inn House, 3-4 Holborn Circus London EC1N 2HA, United Kingdom). Priority: GB 1621266.4 Dated: 14/12/2016 and PK 49/2017 Dated: 24-01-2017.

NEEDLESTICK PREVENTION DEVICE.

IPC: A 61M 5/32

1006148

Abstract: A needlestick prevention device for an injection needle carried by a needle-bearing member of a syringe is formed as a one-piece moulding and comprises a first part adapted to be attached to the needle-bearing member and a second part providing a shield for the needle and pivotally movable relative to the first part to expose the needle for use. The device is adapted to adopt a first position in which the needle is protected for transport of the device prior to use, a second position in which the needle is exposed for filling of the syringe and injection, a third position in which the needle is protected after filling of the syringe but before injection and a fourth position in which the needle is locked in the device following injection. In one embodiment the shield has a transport recess and a locking recess connected by a gate device, the arrangement being such that in the third position the needle is in the transport recess and is able to move into the second position, and in the fourth position the needle moves through the gate device into the locking recess, with the gate device preventing movement out of the fourth position. The device also includes energy-dissipating bumps operative to reduce the energy of the shield as it is returned to the third position and before the gate device contacts the needle in order to prevent splattering of any liquid on the needle out of the device.

270/ 2019	GOO, JEI HYUN, Nationality: Republic of Korea, (whose legal address is 402, 3-5 Samjeonro8gil Songpagu, Seoul, Korea 05606, Republic of Korea) Priority:	APPARATUS FOR OPERATING AS DC (DIRECT CURRENT) MOTORAND DC GENERATOR. *IPC:* H 02K 53/00 **1006176**

Abstract: An apparatus for operating as DC (Direct Current) motor and DC generator is disclosed. Two permanent magnets are placed to be able to rotate with the shaft and one coil) is placed outside the circumference of the permanent magnets and one device of making electric current flow in the coil is placed. Two secondary cell batteries are used to supply electric current to the coil. The secondary cell batteries he secondary cell batteries are charged are charged by using back by using back-emf which occurs to the emf which occurs to the coilcoil. If the shaft rotatesf the shaft rotates without using without using the secondary cell batteries the secondary cell batteries, the secondary cell, the secondary cell batteries are charged batteries are charged by the rotating permanent magnets by the rotating permanent magnets.

AKM SHOWKAT ALAM MOZUMDER
Deputy Registrar.