

বাংলাদেশ



গেজেট



কর্তৃপক্ষ কর্তৃক প্রকাশিত

বৃহস্পতিবার, মে ২৬, ২০২২

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

এতদ্বারা জানানো যাইতেছে যে, নিম্নে বাম পার্শ্বে উল্লিখিত যে কোনো পেটেন্ট আবেদনপত্র সম্পর্কীয় উদ্ভাবনের জন্য পেটেন্ট মঞ্জুরির বিরুদ্ধে যে সকল ব্যক্তি বিরোধিতা করিতে ইচ্ছুক তাঁহারা এই গেজেট প্রকাশের তারিখ হইতে চার মাস সময়সীমার মধ্যে যে কোনো সময় পেটেন্ট, ডিজাইন ও ট্রেডমার্কস অধিদপ্তর, (পেটেন্ট ও ডিজাইন উইং), শিল্প মন্ত্রণালয় (৬ষ্ঠ তলা), ৯১, মতিঝিল বা/এ, ঢাকা-১০০০, বাংলাদেশ এই ঠিকানায় ১৯৩৩ খ্রিষ্টাব্দের 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 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 অধিদপ্তরে প্রদর্শিত হয়। যে কোনো আবেদনকারীর প্রয়োজনে টাইপ-রাইটারে মুদ্রিত বিশেষত্বনামা প্রত্যায়িত প্রতিলিপি সরবরাহ করা যাইতে পারে যদি তিনি ২৯ নং ফরমে নির্দিষ্ট ফিসহ আবেদন দাখিল করেন এবং বিশেষত্বনামা টাইপ করিবার জন্য নির্দিষ্ট ফি পরিশোধ করেন।

লঘুবন্ধনীর মধ্যে প্রদর্শিত তারিখ ১৯১১ ইং সনের পেটেন্ট ও ডিজাইন আইনের ৭৮-ক ধারা/প্যারিস কনভেনশনের বিধান অনুযায়ী অগ্রাধিকার তারিখ রূপে দাবী করা হইতেছে এবং যে দেশে দরখাস্তটি প্রথম দাখিল করা হইয়াছে সেই দেশের নাম তৎসঙ্গে 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 the Paris Convention.

- 315/ 2018 Dr. Muhammad Rabiul Alam, A Bangladeshi National, (whose legal address is Address: Glorious Dream, 907 East Shewrapara, Kafrul, Dhaka-1216, Bangladesh) A process for sustainable solution for Green Jute Plant utilities for paper, jute and textile sectors by the equation $RP=r \Delta FL$.
IPC: D 21C 3/22, D 21H 11/02
1006610
Abstract: Jute fibre is basically ligno-cellulosic raw materials. The shape, size and chemical constituents are not alike as we proceed from top to bottom part of Green Jute Plant (GJP). The growers and consumers faces many problems since the inception to till new. Retting is one of the most important quality determining factors of jute. Proper retting of GJP is a technical problem due to its heterogeneous characteristics. Bottom part of jute has a dark- colour. hard fibres and much bark (scales). Its spin-able characteristics are very low. In addition to jute mill premises air polluted dust generated from bottom part of jute during fibre processing as a result the workers working environment is not congenial. The problem is solved by the process for sustainable solution of green jute plant utilities in paper jute and textile sectors is equation is "RP=r A FL".
- 96/ 2020 Jeffrey Gordon, Nationality: USA., (whose legal address is St. Louis, Missouri, USA; Tahmeed Ahmed, Nationality: Bangladeshi; (whose legal address is Dhaka, Bangladesh); Michael Barratt, Nationality: USA; (whose legal address is St. Louis, Missouri, United States of America); Munirul Islam, Nationality: Bangladeshi; (whose legal address is Dhaka, Bangladesh); Siddarth Venkatesh, Nationality: Indian; (whose legal address is St. Louis, Missouri, USA; Jeanette Gehrig, Nationality: USA and (whose legal address is St. Louis, Missouri, USA and Hao-Wei Chang, Taiwan. (whose legal address is St. Louis, Missouri, USA. Priority: US 62/859,582 Dated: 10/06/2019) MICROBIOTA-DIRECTED FOODS TO REPAIR A SUBJECT'S GUT MICROBIOTA.
IPC: A 23K 10/18, A 61K 35/74
1006575
Abstract: The present disclosure provides composition and methods to improve the nutritional status of a subject, as well as aid in the maturation of the gut microbiota of a subject.
- 111/ 2020 SANTONI S.P.A, an Italian Joint Stock company, (whose legal address is Via Carlo Fenzi, 14-25135 BRESCIA,, Italy) Priority: IT 102019000005730 Dated: 12/04/2019 **Support and control device for circular knitting machines.**
IPC: D 04B 15/32, 15/34
1006616
Abstract: A support and control device, intended to be mounted in a circular knitting machine provided with a supporting structure, a rotating component-holding unit, and a plurality of stitch formation components, comprising a support body provided with a mounting portion, which allows the

device to be mounted to the supporting structure, with a front side and a rear side. The front side faces the component-holding unit and is provided with at least one cam for controlling the plurality of stitch formation components, which defines a guiding path which interacts with respective butts for controlling each of the stitch formation components; the rear side is opposite to the front side and faces the outside of the knitting machine. The device comprises at least one through opening between the front side and the rear side, open on the guiding path, which defines an empty space placing at least a portion of the guiding path of the cam in direct communication with the outside of the device, so that the respective butts of the stitch formation components interacting with the cam are facing, and in direct communication with, the empty space.

112/ 2020 SANTONI S.P.A, a company organized and existing under the laws of Italy, (whose legal address is Via Carlo Fenzi, 14-25135 BRESCIA , Italy)

Priority: IT 102019000005736
Dated: 12/04/2019.

Support and control device configured to interact with needles and/or knockover sinkers of a circular knitting machines.

IPC: D 04B 15/32, 15/34

1006617

Abstract: A support and control device, intended to be mounted in a circular knitting machine provided with a supporting structure, a rotating component-holding unit, and a plurality of stitch formation components, comprising a support body provided with a mounting portion, which allows the device to be mounted to the supporting structure, with a front side and a rear side. The front side faces the component-holding unit and is provided with at least one cam for controlling the plurality of stitch formation components, which defines a guiding path which interacts with respective butts for controlling each of the stitch formation components; the rear side is opposite to the front side and faces the outside of the knitting machine. The front side is without undercuts or holes or hollow surfaces facing said needle-holding unit.

113/ 2020 PIVOT BIO, INC., A company existing and organized under the laws of U.S.A. (whose legal address is 2929 7th STREET, SUITE 120 BERKELEY, CALIFORNIA 94710, United States of America)

Priority: US 62/838,780
Dated: 25/04/2019

HIGH-THROUGHPUT METHODS FOR ISOLATING AND CHARACTERIZING AMMONIUM-EXCRETING MUTANT LIBRARIES GENERATED BY CHEMICAL MUTAGENESIS.

IPC: C 12N 1/20, 1/21

1006576

Abstract: The present disclosure provides high-throughput methods for rapidly mutagenizing, screening, and targeting candidate microbes that are capable of fixing atmospheric nitrogen in the presence of exogenous nitrogen. The methods utilize a microbial biosensor capable of detecting the presence/absence of ammonium and/or glutamine in a composition and signalling with a fluorescent reporter. The present disclosure further utilizes rapid visual detection assays capable of processing thousands of candidate microbes. The disclosed methods and biosensor can be used to identify mutant bacteria with improved nitrogen fixing capabilities. Mutant bacteria with improved nitrogen fixing capabilities are also disclosed, as well as methods of utilizing these novel bacteria to provide fixed nitrogen to a plant.

- 117/ 2020 DCM SHRIRAM LIMITED.
An Indian company, (whose legal address is 2nd Floor, (West Wing), Worldmark 1, Aerocity, New Delhi-110037, India) Priority: IN
201911016327
Dated: 24/04/2019
- CODON OPTIMIZED SYNTHETIC NUCLEOTIDE SEQUENCES ENCODING CRY2Ai PROTEIN AND THEREOF.
IPC: C 07K 14/325, C 12N 15/82
1006577
- Abstract:** The present disclosure provides codon optimized synthetic nucleotide sequences encoding Bacillus thuringensis (Bt) insecticidal crystal Cry2Ai protein having insecticidal activity against insect pests including, but not limited to insect pests belonging to the order Lepidoptera. The present disclosure also relates to expression of these sequences in plants. The disclosure further provides a DNA construct, a vector, and a host cell comprising the codon optimized synthetic nucleotide sequences of the invention. Also it provides use of the codon optimized synthetic nucleotide sequences for production of insect resistant transgenic plants, and a composition comprising Bacillusthuringiensis comprising the codon optimized synthetic nucleotide of the present invention.
- 147/ 2020 Nokia Technologies OY,
Nationality: A Company
Incorporated in Finland, (whose legal address is Karakaari 7, Espoo 02610, Finland) Priority: US PCT/US2019/030262
Dated: 01/05/2019
- Optimized User Equipment Capabilities Signalling Including Recovery From Database Failure.
IPC: H 04L 12/24, H 04W 8/24
1006601
- Abstract:** Methods and apparatus, including computer program products, are provided for UE capability signalling. In some example embodiment, there may be provided an apparatus including caused to at least: receive, from a user equipment capability management function, a message including a first restart counter value indicating a restart of the user equipment capability management function; inhibit, in response to receiving the first restart counter value, one or more old user equipment capability identifiers associated with a second restart counter value, the second restart counter value being associated to a pre-restart state of the user equipment capability management function; and send the first restart counter value indicating the restart of the user equipment capability management function. Related systems, methods, and articles of manufacture are also described.
- 148/ 2020 Nokia Technologies OY., A
Company Incorporated in
Finland, (whose legal address is
Karakaari 7, Espoo 02610,
Finland)
Priority: US 62/842,109
Dated: 02/05/2019
- Method And Apparatus For Support Of Migration And Co-Existence Of Public Land Mobile Network And User Equipment Capability Identifications.
IPC: H 04W 84/04
1006597
- Abstract:** A method, apparatus and computer program product is provided for intelligently switching from public land mobile network (PLMN) assigned identification (ID) to UE manufacturer assigned ID. An example method includes receiving a registration request message comprising information related to location registration to an access and mobility management function (AMF) or a mobility management entity (MME) through a radio access network (RAN), obtaining an international mobile equipment identity (IMEI) or Permanent Equipment Identifier (PEI) of a user

- equipment and extracting from the IMEI or PEI a type allocation code (TAC). The method then obtains a user equipment radio capability ID associated with the user equipment and determines whether the UE shall use a user equipment manufacturer ID or PLMN assigned ID in order to determine an appropriate registration accept message having instructions to operate based on the user equipment manufacturer ID or the PLMN assigned ID.
- 149/ 2020 Nokia Technologies OY,
Nationality: A Company
Incorporated in Finland, (whose
legal address is Karakaari 7,
Espoo 02610, Finland) Priority:
CN PCT/CN2019/085416
Dated: 02/05/2019
- Contention Resolution In Random Access Procedure.
IPC: H 04W 74/08
1006594
- Abstract:** Embodiments of the present disclosure relate to contention resolution in random access procedure. An apparatus transmits a random access request to a further apparatus, and the random access request comprises a random access preamble and an identifier of the apparatus for a random access procedure. The apparatus then receives, from the further apparatus, control information on a control channel addressed to the identifier, and the control information indicates at least one of a resource and timing information for communication between the apparatus and the further apparatus. Next, the apparatus determines a result of the random access procedure based at least in part on the control information.
- 155/ 2020 TVS MOTOR COMPANY
LIMITED, a company duly
organized and existing under the
laws of India, (whose legal
address is Jayalakshmi Estate,
29 (Old No. 8) Haddows Road,
Chennai 600006., India)
Priority: IN 201941013536
Dated: 04/04/2019
- A DISCHARGE SYSTEM AND MULTI WHEELED
VEHICLE THEREOF.
IPC: F 01D 5/07
1006596
- Abstract:** The present subject matter describes a discharge system for a motor vehicle. The discharge system comprising a discharge pipe with an upstream portion connected to an exhaust port of the IC engine. A muffler is connected to a downstream portion of the discharge pipe. The discharge pipe is provided with a device housing capable of accommodating a gas treatment device disposed therein. The device housing being disposed at a distance of at least six times a port diameter or major cross sectional dimension of the exhaust port.
- 156/ 2020 TVS MOTOR COMPANY
LIMITED, a company duly
organized and existing under the
laws of India, (whose legal
address is Jayalakshmi Estate,
29 (Old No. 8) Haddows Road,
Chennai 600006., India)
Priority: IN 201941020922
Dated: 27/05/2019
- WHEEL GUARD OF A SADDLE-TYPE VEHICLE.
IPC: B 60T 8/34, B 62J 15/00, B 62K 11/00
1006614
- Abstract:** The present invention discloses a wheel guard and a mounting assembly for the wheel guard on a two-wheeled vehicle. The wheel guard as a uniform surface made of a light-weight material. The mounting assembly has a bracket to provide skeletal support to the wheel guard made of a light-weight material. The wheel guard and the bracket are mounted together with a wheel hugger to a swing arm of the two-wheeled vehicle.

- 157/ 2020 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 600006, India) Priority: IN 201941020889 Dated: 27/05/2019
- DRIVE SYSTEM FOR A SADDLE-TYPE VEHICLE.
IPC: B 62K 11/04
1006606
Abstract: The present subject matter relates to a saddle-type vehicle having a frame extending along a vehicle longitudinal axis. The vehicle is provided with a swing arm journaled to the frame and adapted to support a rear wheel. A drive system including one or more drive sources is configured to deliver a driving force to the rear wheel. The one or more drive sources in cludes a first drive source and a second drive source. The first drive source comprising at least one mounting portion, integrally formed to at least a portion thereof. The at least one mounting portion, is configured for removably mounting the first drive source on at least a portion of said swing arm. The second drive source is detachably mounted on the rear wheel.
- 158/ 2020 DelstAsia Sdn Bhd, a company duly organized and existing under the laws of Malaysia, (whose legal address is Lot 161, Jalan Perigi Nanas 8/13, Taman Perindustrian Pulau Indah, 42920 Port Klang, Selangor Darul Ehsan, Malaysia) Priority: MY PI 2019002158 Dated: 19/04/2019
- METHOD FOR PELLETING ANIMAL FEED IN HOT WEATHER CONDITIONS.
IPC: A 23K 20/24, 40/25
1006598
Abstract: A method for pelleting animal feed comprising the step of mixing 2-4% water and 1-4kg/ton of a composition containing at least one inorganic deliquescent with the raw materials.
- 159/ 2020 JAM INTERNATIONAL S.R.L. A Corporation organized under the laws of Italy, (whose legal address is Via G. Perini, 2, 600100 OSTRA VETERE (AN), Italy) Priority: IT 102019000006780 Dated: 13/05/2019
- Sewing machine for waistband on skirts comprising a movable top surface and translation means.
IPC: D 05B 27/14
1006615
Abstract: Sewing machine for sewing fabrics, in particular a waistband to an upper edge of a pair of trousers or of a skirt; the sewing machine comprises a worktop, two needles in side-by-side position and a puller device disposed downstream said needles, which acts as puller for said fabrics along the worktop, pressing said fabrics from above in order to frictionally pull them along the worktop; the peculiarity of the sewing machine consists in the fact that it comprises a movable top surface downstream and in aligned position with one of the two needles and disposed under the puller device; the movable top surface can be disposed in a retracted position and an extracted position, in such a way to adjust the pulling speed of one side of the fabric that is sewn by the needle in line with the movable top surface.
- 173/ 2020 LIXIL CORPORATION, Nationality: A Japanese National, (whose legal address is 2-1-1 Ojima, Koto-ku, Tokyo 136- 8535, Japan) Priority:
- HAND-WASHING STATION.
IPC: E 03C 1/042, 1/046, 1/05
1006618
Abstract: Hand-washing stations comprising a base portion and a nozzle portion are provided. The base portion may be configured to accept a fluid vessel such as an inverted water bottle such that water flows down from the vessel into the hand-washing station. The nozzle portion may be mounted to the base portion and positioned below the vessel such that the water flows into a cavity defined inside the nozzle portion. The nozzle portion may be pivotably mounted to the base

- portion such that it may be toggled between an on position and an off position relative to the base portion; in the on position, a nozzle opening in the nozzle portion may be below a water line of water filling the nozzle portion such that water flows out of the nozzle portion; in the off position, the nozzle opening may be raised above the water line.
- 176/ 2020 (2) R.J. Reynolds Tobacco Company, Nationality: A Company Incorporated in USA, (whose legal address is 401 North Main Street, Winston-Salem, NORTH CAROLINA 27101, United States of America, United States of America) and (1) University Of Kentucky Research Foundation, Nationality: A Foundation under the laws of USA, (whose legal address is 201 Gillis Building Lexington, KENTUCKY 40506-0033, United States of America) Priority: US 62/857,718 Dated: 05/06/2019
- bZIP Transcription Factors Regulate Conversion Of Nicotine To Nornicotine And Reduce Levels Of Tobacco Specific (TSNA) Precursors.
IPC: A 24B 15/10, C 12P 17/12
1006611
Abstract: A method of decreasing conversion of nicotine to nornicotine is provided herein. The methods includes administering at least one basic region/leucine zipper (bZIP) type transcription factor inhibitor to an organism in need thereof. Also provided herein is a method of decreasing conversion of nicotine to nornicotine including mutating a bZIP type transcription factor binding site on a promoter of a nicotine N-demethylase (NND). Further provided herein is a method of decreasing conversion of nicotine to nornicotine including mutating a plant genome to knockout at least one bZIP type transcription factor.
- 177/ 2020 Saurer Intelligent Technology AG, a company organized and existing under the laws of Switzerland, (whose legal address is Textilstrasse 2, 9320 Arbon, Switzerland)
Priority: DE 10 2019 116234.3
Dated: 14/06/2019
- SPINNING MACHINE.
IPC: D 01H 13/30, 5/56
1006619
Abstract: The invention relates a spinning machine having several spinning positions, the spinning machine comprising an air flow supply unit for providing compressed air and/or suction air at the spinning positions and a drafting system support extending along the spinning positions, for detachably arranging drafting systems at the spinning positions. In order to provide a spinning machine that allows compressed air and/or suction air to be supplied to the spinning positions in an energy-efficient manner, it is provided that the drafting system support is designed as a longitudinally channelled tube body having a flow connection to the air flow supply unit and having connection openings assigned to the individual spinning positions.
- 178/ 2020 Saurer Intelligent Technology AG, a company organized and existing under the laws of Switzerland, (whose legal address is Textilstrasse 2, 9320 Arbon, Switzerland)
Priority: DE 10 2019 116278.5
Dated: 14/06/2019
- A TEXTILE MACHINE.
IPC: D 01H 5/56
1006620
Abstract: The present invention relates to a textile machine comprising a plurality of spinning devices, more particularly air-jet spinning devices, which spinning devices have an inlet opening for a fiber band to be spun, and to a spinning hood for a spinning device of a textile machine. In order to provide a textile machine comprising a plurality of spinning devices, which have an inlet opening for a fiber band to be spun and in the case of which the feeding of contaminants into the inlet opening is prevented as much as possible, there is provision for a spinning hood to be provided, which is designed in such a way that the spinning hood separates a spinning space around an inlet opening of the spinning device from the surroundings.

- 182/ 2020 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 – 600006, India) Priority: IN 201941024052 Dated: 18/06/2019
- An Injector Mounting For A Motor Vehicle.
IPC: F 02D 1/02
1006605
- Abstract:** The present invention relates to a step through type vehicle, where said vehicle comprises of a mono tube type frame, power unit, cylinder head, cylinder, throttle body, injector. The frame assembly includes a main tube, a down tube. The injector is mounted on the intake pipe and orthogonally with respect to the cylinder axis, thereby, ensures the efficient combustion in the vehicle and reduced the deposition of hydrocarbon on the wall of intake port.
- 193/ 2020 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 201941034145 Dated: 23/08/2019
- COOLING ASSEMBLY FOR AN INTERNAL COMBUSTION ENGINE.
IPC: F 01B 1/05
1006570
- Abstract:** The present subject matter relates to a cooling assembly for dissipating heat from the IC engine. The cooling assembly may further include a radiator unit installed in an engine compartment where the IC engine is installed. Further, the radiator unit may include a plurality of passageways that allows a hot exhaust coolant to flow therethrough. In addition, the cooling assembly may include a first deflector that directs the air into the engine compartment towards the plurality of passageway to absorb heat from the hot exhaust coolant therein. The cooling assembly may also include second deflector that prevents the air carrying heat from the hot exhaust coolant coming from the radiator unit to get re-circulated into the engine compartment.
- 199/ 2020 Cotton Incorporated, A company existing and organized under the laws of United States of America, (whose legal address is 6399 Weston Parkway, Cary, North Carolina 27513, United States of America) Priority: US 62/869,485 Dated: 01/07/2019
- A PROCESS FOR PRODUCTION OF SUGAR FROM A COTTON-CONTAINING TEXTILE.
IPC: C 08B 1/00, C 08J 11/10
1006588
- Abstract:** Cotton-containing textiles, such as “trash” feedstock in terms of end-of-life-cotton textiles, may be used to produce sugar without the same kinds of harsh pre-treatments used for other biomasses, such as corn, grass sources, or wood. Disclosed is a process for production of sugar from a cotton-containing textile waste fabric comprising optionally mechanically pre-treating the cotton-containing textile, pre-treating the cotton-containing textile with an acid pre-treatment to form a slurry, cooling the slurry, adding at least one base to the slurry, adding at least one additional acid to the slurry to form a buffer in situ, adding a hydrolysis enzyme, and optionally filtering the slurry.

- 203/ 2020 CRYSTAL LAGOONS TECHNOLOGIES, INC.,
Nationality: A corporation organized and existing under the laws of United States of America, (whose legal address is 1209 Orange Street, City of Wilmington, County of New Castle, Delaware, 19801, United States of America) Priority: US 16/456,762 Dated: 28/06/2019
- LOW COST AND SANITARY EFFICIENT SYSTEM AND METHOD THAT CREATES TWO DIFFERENT TREATMENT ZONES IN LARGE WATER BODIES TO FACILITATE DIRECT CONTACT RECREATIONAL ACTIVITIES.
IPC: C 02F 1/32, 1/52
1006578
- Abstract:** A treatment for a large body of water to make the water suitable for recreational purposes is disclosed. A sedimentation zone and a dissipation zone are designated in 5 the water body. A disinfection method based on a CT index and a flocculant composition are utilized in the sedimentation zone to aid in the settling of different microorganisms and/or contaminants. Also, the water in the sedimentation zone is minimally disturbed to facilitate the sedimentation process. A permanent chlorine residual is maintained in the dissipation zone by adding an efficient amount of a 10 chlorine disinfectant such that at least a 0.5 mg/L free chlorine level is maintained in the water volume. Water is injected into the dissipation zone by means of one or more inlet nozzles. Along with natural currents produced by winds and water temperature differences, a water dissipation pattern from within the dissipation zone into the sedimentation zone is generated.
- 205/ 2020 Bangladesh Council of Scientific and Industrial Research (BCSIR), a body corporate of the Government of Bangladesh, (whose legal address is Dr.Qudrat-i-Khuda Road, Dhanmondi, Dhaka-1205, Bangladesh)
- A process for the production of polyvinyl alcohol modified resorcinol formaldehyde resin.
IPC: C 08G 8/22
1006583
- Abstract:** The present invention relates to a process for the production of polyvinyl alcohol (PVA) modified resorcinol formaldehyde (RF) resin for use in various forest product industries as a main ingredient of adhesive and also has a wide application in molding objects at dried solid state. The present invention relates to an improved method for production of RF resin and also relates to a new method for the production of PVA modified RF resin. The modified RF is an improved RF resin than unmodified RF resin. The product is stable at room temperature at air tight condition and storage life is two years.
- Priority:
- 206/ 2020 TAMER AKCAY VE ORTAKLARI BILISIM SISTEMELRI KOLLEKTIF SIRKETI, a company duly organized and existing under the laws of Turkey, (whose legal address is Kemalpaşa Cad. No:27 Pinarbasi, BORNOVA/ IZMIR, Turkey)
- A MACHINE PROCESSING TEXTILE WITH LASER AND ITS METHOD.
IPC: B 23K 26/00, 26/352
1006571
- Abstract:** Invention relates to a machine processing textile with laser used for any and all textile products, mainly denim, marking dot base pictures onto textile products by means of its laser technology and providing textile products with a natural wearing appearance, and its method. Products burnt with laser do not need man force processing and grinding again thanks to accessories the machine processing textile with laser of the invention has. Thus work force and labor is saved and employees' exposure to dust and particulates occurring during aging process is prevented.
- Priority: TR
PCT/TR2019/050517 Dated: 01/07/2019

- 214/ 2020 British American Tobacco (Investments) Limited., a British company, (whose legal address is Globe House, 1 Water Street, London, WC2R 3LA, United Kingdom) Priority: GB 1909562.9 Dated: 03/07/2019
- METHODS FOR MODULATING ALKALOID CONTENT IN A PLANT OR PART THEREOF BY MODIFYING THE EXPRESSION OR ACTIVITY OF A GENE ENCODING A BTB/POZ NPH3 DOMAIN-CONTAINING PROTEIN.
- IPC:* A 01H 5/12, 6/82, C 12N 15/82
- 1006585**
- Abstract:** The present invention relates to a method of modulating the alkaloid content of a plant or a part thereof, the method comprising modifying said plant by modulating the activity or expression of at least one gene encoding a BTB/POZ NPH3 domain-containing protein. The present invention also relates to a method of reducing the content of at least one tobacco specific nitrosamine (TSNA) precursor in tobacco, the method comprising modulating the activity or expression of at least one gene encoding a BTB/POZ NPH3 domain-containing protein.
- 217/ 2020 YKK CORPORATION, a corporation organized and existing under the laws of Japan, (whose legal address is 1, Kanda Izumi-cho, Chiyoda-ku, Tokyo 101-8642, Japan)
- Priority: JP PCT/JP2019/040109 Dated: 10/10/2019
- METAL ELEMENT AND SLIDE FASTENER.
- IPC:* A 44B 19/02, 19/40
- 1006586**
- Abstract:** Pair of legs are provided with core-thread-pressing surfaces which slant gradually to approach one another as being away from the stopping surfaces. Each core-thread-pressing surface extends from the stopping surface to the base end of the leg. Thickness of the leg in a thickness direction of the fastener tape gradually increases from the free end toward the base end of the leg in accordance with at least the slanting of the core-thread-pressing surface.
- 218/ 2020 Telefonaktiebolaget LM Ericsson (publ), a company organized and existing under the laws of Sweden, (whose legal address is SE-164 83 Stockholm, Sweden)
- Priority: EP PCT/EP2020/069508 Dated: 10/07/2020 and US 62/872,961 Dated: 11/07/2019
- GUARD INTERVAL ADAPTATION FOR COORDINATED BEAMFORMING.
- IPC:* H 04L 27/26
- 1006587**
- Abstract:** A method of transmitting an Orthogonal Frequency Division Multiplexing, OFDM, symbol comprising a guard interval including a cyclically repeated part of an original symbol comprises applying a guard interval for the OFDM symbol, the guard interval comprising a first part, where the first part is a cyclic prefix, including an indication whether the applied guard interval comprises a second part, wherein the second part is a cyclic prefix and/or postfix, applying, when indicated to be present, the second part of the guard interval, and transmitting the OFDM symbol. A method of receiving the symbol, transmitter, receiver and computer programs for implementing the methods are also disclosed.
- 225/ 2020 SICPA HOLDING SA., a company organized and existing under the laws of Switzerland, (whose legal address is Avenue de Florissant 41 1008 Prilly, Switzerland) Priority: EP 19189054.0 Dated: 30/07/2019
- RADIATION CURABLE INTAGLIO INKS.
- IPC:* B 41M 3/14, C 09D 11/03, 11/101
- 1006579**
- Abstract:** The present invention relates to the field of security documents and their protection against counterfeit and illegal reproduction and relates to the field of intaglio printing processes for the printing of said security documents. In particular, the present invention relates to radiation curable intaglio inks suitable for intaglio printing a pattern or image, wherein said intaglio printing comprises wiping off ink excess

- with a polymeric wiping cylinder and cleaning said cylinder with an alkaline aqueous wiping solution. The disclosed radiation curable intaglio inks comprise one or more radiation curable compounds, wherein at least one of said one or more radiation curable compounds is a fatty acid polyester (meth)acrylate oligomer; one or more photoinitiators; and a high molecular weight acid modified alkyd surfactant and/or an alkylarene sulfonic acid surfactant; one or more fillers or extenders.
- 229/ 2020 Telefonaktiebolaget LM Ericsson (publ), a company organized and existing under the laws of Sweden, (whose legal address is SE-164 83 Stockholm, Sweden)
Priority: US 62/884,293 Dated: 08/08/2019
- MDT FOR SECONDARY CELL GROUP AND SECONDARY CELLS.
IPC: H 04W 24/10
1006603
- Abstract:** Disclosed are methods performed by a management node for implementing minimization of drive testing, MDT, in a wireless communication network that supports dual connectivity. Methods include generating a master cell group, MCG, MDT configuration for a user equipment, UE; generating a secondary cell group, SCG, MDT configuration for the UE; and transmitting the MCG MDT configuration and the SCG MDT configuration to one or more radio access network, RAN, nodes.
- 236/ 2020 DCM SHRIRAM LIMITED, An Indian company, (whose legal address is 2nd Floor, West Wing, Worldmark 1, Aerocity, New Delhi-110037, India)
Priority: IN 201911030820
Dated: 30/07/2019
- SYNTHETIC NUCLEOTIDE SEQUENCES ENCODING INSECTICIDAL CRYSTAL PROTEIN AND USES THEREOF.
IPC: C 07K 14/325, C 12N 15/82
1006604
- Abstract:** The present disclosure provides codon optimized synthetic nucleotide sequences encoding *Bacillus thuringiensis* (Bt) insecticidal crystal protein having insecticidal activity against insect pests. The present disclosure also relates to expression of these sequences in plants. The disclosure further provides a DNA construct, a vector, and a host cell comprising the codon optimized synthetic nucleotide sequences of the invention. Also it provides use of the codon optimized synthetic nucleotide sequences for production of insect resistant transgenic plants, insect resistant transgenic plant comprising the said sequence and a composition comprising *Bacillus thuringiensis* comprising the codon optimized synthetic nucleotide sequence of the present invention.
- 238/ 2020 Telefonaktiebolaget LM Ericsson (publ), a company organized and existing under the laws of Sweden, (whose legal address is SE-164 83 Stockholm, Sweden)
Priority: CN PCT/ CN2019/111910 Dated: 18/10/2019
- NETWORK NODE, TERMINAL DEVICE AND METHODS THEREIN FOR DATA TRANSMISSION USING BEAMFORMING.
IPC: H 04B 7/06, H 04L 27/26
1006599
- Abstract:** The present disclosure provides a method in a network node. The method includes: selecting a number, N, of beams for data transmission to a terminal device, where N is an integer larger than one; transmitting to the terminal device a Channel State Information – Reference Signal, CSI-RS, having N ports using the N beams; receiving from the terminal device a first measurement report containing a Rank Indicator, RI, obtained by the terminal device measuring the CSI-RS; and transmitting (240) data to the terminal device based on the RI using the N beams.

- 239/ 2020 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/JP2019/046922 Dated: 29/11/2019
- SLIDE FASTENER.
IPC: A 44B 19/02
1006580
Abstract: In at least a part of a movable range of a slider, a slider upper portion is positioned adjacent to a wall upper portion, and a slider lower portion is positioned adjacent to a wall lower portion. This prevents jamming of a cloth in the slider at both sides of the tape upper and lower surfaces.
- 247/ 2020 JDC CORPORATION, a corporation organized and existing under the laws of Japan, (whose legal address is 4-9-9 Akasaka, Minato-ku, Tokyo 107-8466, Japan) Priority: JP 2019-162727 Dated: 06/09/2019
- INSOLUBILIZING METHOD.
IPC: B 09B 3/00, C 02F 1/28
1006593
Abstract: An insolubilizing method includes: mixing a layered double hydroxide and clay having a weight of one time or more of a weight of the layered double hydroxide; and firing the resulting mixture.
- 250/ 2020 TUSAS-TURK HAVACILIK VE UZAY SANAYII ANONIM SIRKETI, a corporation organized and existing under the laws of Turkey, (whose legal address is Fethiye Mahallesi, Havacilik Bulvari, No. 17, 06980, Kazan, Ankara, Turkey) Priority: TR 2019/13054 Dated: 28/08/2019
- AN AVIONIC COMPUTER ARCHITECTURE.
IPC: G 06F 13/00
1006590
Abstract: The present invention comprises at least one processing unit which is provided in air and/or space vehicles and enables the avionic systems of air and/or space vehicles to be controlled and managed, at least one sensing unit which enables the data used in the execution of the flight control algorithm to be received from the physical environment, at least one application unit which enables the instructions transmitted by the processing unit to be performed, at least one programmable hardware unit which is provided in association with the sensing unit and the application unit, and enables the data received from the sensing unit to be processed and enables the air vehicle control instructions to be transmitted to the application unit, and at least one volatile memory unit which is provided in association with the processing unit, is capable of exchanging data with the processing unit, and enables the data processed by the processing unit to be stored.
- 251/ 2020 TUSAS-TURK HAVACILIK VE UZAY SANAYII ANONIM SIRKETI, a corporation organized and existing under the laws of Turkey, (whose legal address is Fethiye Mahallesi, Havacilik Bulvari, No. 17, 06980, Kazan, Ankara, Turkey) Priority: TR 2019/13059 Dated: 29/08/2019
- AN AIR VEHICLE WITH A FUEL TANK.
IPC: B 64D 37/06
1006591
Abstract: The present invention relates to a fuel tank in which fuel is stored, at least one ceiling located on the fuel tank, and a main body which has at least a first lateral wall surrounding the ceiling so as to store fuel therein.
- 252/ 2020 TUSAS-TURK HAVACILIK VE UZAY SANAYII ANONIM SIRKETI, a corporation organized and existing under the laws of Turkey, (whose legal address is Fethiye Mahallesi, Havacilik Bulvari, No. 17, 06980, Kazan, Ankara, Turkey)
- A LOAD CARRYING SYSTEM IN AIR VEHICLES.
IPC: B 64D 1/04
1006592
Abstract: The present invention relates to a body which is located in air vehicles; a release mechanism which is located on the body and to which at least one weight is connected,

Priority: TR 2019/13207
Dated: 02/09/2019

wherein the release mechanism allows the weight, which is connected to the release mechanism, to be thrown and/or released; at least one housing located on the release mechanism; at least one hook which is located in the housing and enables the weight to be attached to the release mechanism; at least one ring which is located on the weight, extends outwardly from the weight and is held by the hook when the weight is connected to the release mechanism; at least a first tag with a mark and/or sign indicating the type and/or characteristics of the weight on which it is placed; at least one control unit which controls operation of the release mechanism located on the body; a hook which has a closed position allowing the weight to be carried and an opened position allowing the weight to be released based on the data received from the control unit, wherein the hook is rotated to be brought from the closed position to the opened position; at least one hook mechanism which is located on the release mechanism and allows the hook to be brought into the opened position and/or the closed position; and a reader which is capable of detecting the first tag and transmits the data detected through the first tag to the control unit.

260/ 2020 TOYO ALUMINIUM
KABUSHIKI KAISHA, a
Japanese company, (whose
legal address is 6-8, Kyutaro-
machi 3-chome, Chuo-ku,
Osaka-shi, Osaka 5410056,
Japan) Priority: JP 2019-
162232 Dated: 05/09/2019

PRESS-THROUGH PACKAGING MATERIAL AND
PRESS-THROUGH PACKAGE USING THE PRESS-
THROUGH PACKING MATERIAL.

IPC: B 65D 65/40

1006607

Abstract: An object of the present invention is to provide a press-through packaging material with an anti-counterfeit label, without depending on a post-attached hologram sticker that can be peeled off and manufactured in a counterfeit manner. The present invention provides a press-through packaging material comprising in sequence a substrate, an opaque under layer laminated on at least a part of the surface of the substrate, and a printing layer that contains a collared metal pigment, and that is formed on at least a part of the surface of the opaque under layer; the collared metal pigment comprising a metal pigment, an amorphous silicon oxide film layer formed on the surface of the metal pigment, and metal particles supported on a part of or on the entire surface of the amorphous silicon oxide film layer, the opaque under layer having a mass per unit area of 0.5 g/m² or more and 3.0 g/m² or less, and the printing layer having a mass per unit area of 1.0 g/m² or more and 3.5 g/m² or less.

268/ 2020 Telefonaktiebolaget LM
Ericsson (publ), a company
organized and existing under the
laws of Sweden, (whose legal
address is SE-164 83
Stockholm, Sweden)
Priority: US 62/900178 Dated:
13/09/2019

UE FREQUENCY SELECTION AND PRIORITIZATION
BASED ON NETWORK SLICE INFORMATION.

IPC: H 04W 48/20

1006608

Abstract: Embodiments include methods for a user equipment (UE) operating in a radio access network (RAN) coupled to a core network (CN). Such methods include receiving, from the

RAN or the CN, one or more frequency selection policy parameters (P) related to a protocol data unit (PDU) session for the UE and/or a network slice associated with a PDU session for the UE. Such methods also include, based on the frequency selection policy parameters, determining one or more preferred frequencies or frequency layers for one or more mobility operations. Such methods also include performing a first one of the mobility operations on a first one of the determined preferred frequencies or frequency layers. Other embodiments include complementary methods for a wireless network, and UEs and wireless networks configured to perform such methods.

269/ 2020 Saurer Spinning Solutions GmbH & Co. KG, a company organized and existing under the laws of Germany, (whose legal address is Carlstr. 60, 52531 Übach-Palenberg, Germany)

Priority: DE 10 2019 125 672.0
Dated: 24/09/2019

Method for operating a textile machine that produces cross-wound packages and textile machine that produces cross-wound packages.

IPC: B 65H 54/343

1006609

Abstract: The invention relates to a method for operating a textile machine that produces cross-wound packages and has a plurality of autonomous workstations, which each have a spinning device and a winding device and are equipped with a suction nozzle for receiving a thread from the surface of a cross-wound package, which suction nozzle is connected to the negative-pressure network of the textile machine, and with a storage nozzle for temporarily storing excess thread length, which storage nozzle is likewise connected to the negative-pressure network, the textile machine being served at least by one service unit, which doffs full cross-wound packages for empty tubes as needed. In order to optimise the operation of textile machines that produce cross-wound packages, in particular open-end rotor spinning machines equipped with autonomous workstations, i.e. in order to minimise the time period required to return all the workstations of the textile machine to the operating state after technical problems that caused all the workstations of the textile machine to come to a standstill, according to the invention the service units are prevented from performing cross-wound package/empty-tube doffing during the piecing-up operations of the workstations, so that it is ensured that always the maximum number of workstations is simultaneously pieced up again in the piecing up of the autonomous workstations. The invention additionally relates to a textile machine that produces cross-wound packages, comprising a control apparatus for carrying out the method.

297/ 2020 Saurer Spinning Solutions GmbH & Co. KG, a company organized and existing under the laws Germany, (whose legal address is Carlstr. 60, 52531 Übach -Palenberg, Germany)

Priority: DE 102019129499.1
Dated: 31/10/2019

Open-end spinning machine, and method and control device for operating such an open-end spinning machine.

IPC: D 01H 4/48

1006584

Abstract: The present invention relates to an open-end spinning machine having a plurality of workstations, each of which has: - a spinning device for producing a thread; - a

thread take-up device for taking up the thread from the spinning device; - an accumulator navel for temporarily storing the thread - a winding device for producing a cross-wound package; and - a suction nozzle, which can be subjected to a vacuum, the open-end spinning machine being equipped with at least one service unit, which serves several of the workstations and which has an auxiliary thread delivery device for delivering an auxiliary thread and an auxiliary thread take-up, which are used during a piecing process at a workstation to be served, in particular in the course of a cross-wound package/empty tube change. The present invention is characterised in that the auxiliary thread take-up is configured and can be operated in such a way that the auxiliary thread take-up speed (AVS) of the auxiliary thread take-up for the take-up of the pieced auxiliary thread has a speed offset, which takes into account the thread take-up speed (AVA) of the thread take-up device and at least one further correction factor.

300/ 2020 CJ CHEILJEDANG CORPORATION, a company duly organized and existing under the laws of Republic of Korea, (whose legal address is 330, Dongho-ro Jung-gu Seoul 04560, Republic of Korea)
Priority: KR 10-2019-0157400
Dated: 29/11/2019

NOVEL SERINE PROTEASE VARIANT.

IPC: A 23K 10/14, C 12N 9/52

1006581

Abstract: The present disclosure provides a novel serine protease variant.

344/ 2020 Telefonaktiebolaget LM Ericsson (Publ), a company organized and existing under the laws of Sweden, (whose legal address is SE-164 83 Stockholm, Sweden)
Priority: US 62/953,310
Dated: 24/12/2019

VIRTUAL BOUNDARY PROCESSING FOR ADAPTIVE LOOP FILTERING.

IPC: H 04N 19/119, 19/176, 19/82

1006602

Abstract: A method for encoding or decoding an image of a video sequence is provided. The method comprises obtaining a set of sample values associated with the image. The method comprises determining a relative location of the current sample value with respect to a virtual boundary. The virtual boundary is defined with respect to a block boundary between the first block of sample values and a second block of sample values. The virtual boundary is parallel with the block boundary and separated from the block boundary by at least one row or column of sample values included in the first block of sample values. The method comprises a filter strength value based on the determined relative location of the current sample value with respect to the virtual boundary. The method comprises filtering the current sample value based on the selected filter strength value.

197/ 2021 Nokia Technologies OY, A Company Incorporated in Finland, (whose legal address is Karakaari 7, Espoo 02610, Finland)
Priority: CN PCT/ CN2019/080253
Dated: 28/03/2019

Mechanism For First Random Access Mode Falling Back To Second Random Access Mode.

IPC: H 04W 74/06

1006582

Abstract: Embodiments of the present disclosure relate to mechanism for first random access mode falling back to second random access mode. According to embodiments of the present disclosure, the fallback to second random access mode is indicated in messageB and the user equipment only

needs to monitor the messageB for the quick mode on the downlink control signal which is addressed to an identifier. The user equipment does not need to monitor the downlink control channel for the second random access mode. In this way, the user equipment is allowed to fall back to the second random access mode without further retry of the quick mode, thereby reducing overload and latency.

271/ 2021 Aspire to Innovate (a2i) Programme, a Bangladeshi entity under the laws of Bangladesh, (whose legal address is ICT Tower, Agargaon, Sher-e-Bangla Nagar, Dhaka-1215, Bangladesh)

Priority:

COMBO HOUSEHOLD REFRIGERATOR USING REUSABLE ENERGY.

IPC: F 21W 131/305

1006572

Abstract: The present invention relates to a combo household refrigerator using renewable energy for preserving food such as frozen food, cold food, and hot food through a frozen chamber, a fresh chamber and a hot chamber, as well as producing hot and cold drinking water via a cold-water chamber, a hot water chamber and a water tank. The combo household refrigerator using renewable energy system comprising a compressor which is impaired the refrigerant vapor, increasing its pressure, and forces it into the refrigerator's coils on the exterior; a compressor base is a compressor station that ensures the compressor remains stable in its location; an inside condensers coil is to make a chamber worm; an outside condenser coil that is being involved heat transfer, a condenser is a device or unit used to condense a gaseous substance into a liquid state through cooling; a capillary tube is a pressure-relieving device used to meter refrigerant flow from the condenser output to the evaporator input; the gas flow is controlled by a valve, which is a one-way flow switch; a stainer is being used for moisture control; a cold, and hot water tapes are the outlets for obtaining hot and cold water from the refrigerator, respectively; water lines 1 and 2 for water flow from the water store to the hot and cold water chambers.

272/ 2021 Aspire to Innovate (a2i) Programme, a Bangladeshi entity under the laws of Bangladesh, (whose legal address is ICT Tower, Agargaon, Sher-e-Bangla Nagar, Dhaka-1215, Bangladesh)

Priority:

INSTANT COOLING MECHANISM OF BOTTLE AND CAN MACHINE.

IPC: F 01P 1/06

1006573

Abstract: The invention discloses a portable water-cooling device of bottle and Can, built with local technology, can cool liquid in under a one minute. This device was created for rural residents in Bangladesh's distant places who needed access to cold water and beverages without needing to use a refrigerator. The device utilizes relatively little electricity, and by eliminating the use of refrigerators in business settings (shops, restaurants, events) for the sole purpose of serving cold water or beverages, electrical energy consumption can be greatly decreased.

- 273/ 2021 Aspire to Innovate (a2i) Programme, a Bangladeshi entity under the laws of Bangladesh, (whose legal address is ICT Tower, Agargaon, Sher-e-Bangla Nagar, Dhaka-1215, Bangladesh)
Priority:
- SPIRAL INFLATABLE EMERGENCY EVACUATION SYSTEM.
IPC: F 04B 49/035
1006574
- Abstract:** Current invention is the spiral inflatable emergency evacuation system for semi high and high rise buildings which will be applicable with an Artificial Intelligent integrated fire and earthquake detection, evacuation and alarming system to emergency escape from semi high and high rise buildings during fire, earthquake, terrorist attack or any other natural disasters by deploying cyclic, portable, inflatable slide pre-installed *inside of the outside wall, such as attached with hydraulic fold up by open window and create a cyclic emergency escape path, by alarming to the authorized users including police and/or fire department using SMS with the address of shortest path. An open window, an escaping path, one gas cylinder, a pipe, a top circle, a cycle tube, a non-inflatable sliding part, a top circle, an inflatable pillar, belts, four junctions to the pillar, a landing bed, and an aspiration apparatus* comprise the spiral inflatable emergency evacuation system; Aal of the apparatus is constructed mostly of plastic and primarily of rubberized material that meets NFPA 701 or ASTM E119 standards and is placed above a window in a hanger; the apparatus is inflated by gas stored in a cylinder through a pipe.
- 364/ 2021 Nokia Technologies OY, Nationality: A Company Incorporated in Finland, (whose legal address is Karakaari 7, Espoo 02610, Finland)
Priority: CN PCT/
CN2019/085416
Dated: 02/05/2019
- Contention Resolution In Random Access Procedure.
IPC: H 04W 74/08
1006595
- Abstract:** Embodiments of the present disclosure relate to contention resolution in random access procedure. An apparatus transmits a random access request to a further apparatus, and the random access request comprises a random access preamble and an identifier of the apparatus for a random access procedure. The apparatus then receives, from the further apparatus, control information on a control channel addressed to the identifier, and the control information indicates at least one of a resource and timing information for communication between the apparatus and the further apparatus. Next, the apparatus determines a result of the random access procedure based at least in part on the control information.
- 403/ 2021 Nokia Technologies OY, Nationality: A Company Incorporated in Finland, (whose legal address is Karakaari 7, Espoo 02610, Finland)
Priority: US PCT/
US2019/030262
Dated: 01/05/2019
- Optimized User Equipment Capabilities Signaling Including Recovery From Database Failure.
IPC: H 04L 12/24, H 04W 8/24
1006600
- Abstract:** Methods and apparatus, including computer program products, are provided for UE capability signaling.

In some example embodiment, there may be provided an apparatus including caused to at least: receive, from a user equipment capability management function, a message including a first restart counter value indicating a restart of the user equipment capability management function; inhibit, in response to receiving the first restart counter value, one or more old user equipment capability identifiers associated with a second restart counter value, the second restart counter value being associated to a pre-restart state of the user equipment capability management function; and send the first restart counter value indicating the restart of the user equipment capability management function. Related systems, methods, and articles of manufacture are also described.

443/ 2021 Cotton Incorporated, A company existing and organized under the law of United States of America, (whose legal address is 6399 Weston Parkway, Cary, North Carolina 27513, United States of America, United States of America)

Priority: US 62/869,485
Dated: 01/07/2019

A PROCESS FOR PRODUCTION OF SUGAR FROM A COTTON-CONTAINING TEXTILE.

IPC: C 08B 1/00, C 08J 11/10

1006589

Abstract: Cotton-containing textiles, such as “trash” feedstock in terms of end-of-life-cotton textiles, may be used to produce sugar without the same kinds of harsh pre-treatments used for other biomasses, such as corn, grass sources, or wood. Disclosed is a process for production of sugar from a cotton-containing textile waste fabric comprising optionally mechanically pre-treating the cotton-containing textile, pre-treating the cotton-containing textile with an acid pre-treatment to form a slurry, cooling the slurry, adding at least one base to the slurry, adding at least one additional acid to the slurry to form a buffer in situ, adding a hydrolysis enzyme, and optionally filtering the slurry.

38/ 2022 (2) R.J. Reynolds Tobacco Company, Nationality: A Company Incorporated in USA, (whose legal address is 401 North Main Street, Winston-Salem, NORTH CAROLINA 27101, United States of America, United States of America) and (1) University Of Kentucky Research Foundation, Nationality: A Foundation under the laws of USA, (whose legal address is 201 Gillis Building Lexington, KENTUCKY 40506-0033, United States of America, United States of America) Priority: US 62/857,718 Dated: 05/06/2019

bZIP TRANSCRIPTION FACTORS REGULATE CONVERSION OF NICOTINE TO NORNICOTINE AND REDUCE LEVELS OF TOBACCO SPECIFIC (TSNA) PRECURSORS.

IPC: A 24B 15/10, C 12P 17/12

1006612

Abstract: A method of decreasing conversion of nicotine to nornicotine is provided herein. The methods includes administering at least one basic region/leucine zipper (bZIP) type transcription factor inhibitor to an organism in need thereof. Also provided herein is a method of decreasing conversion of nicotine to nornicotine including mutating a bZIP type transcription factor binding site on a promoter of a nicotine N-demethylase (NND). Further provided herein is a method of decreasing conversion of nicotine to nornicotine including mutating a plant genome to knockout at least one bZIP type transcription factor.

39/ 2022 (2) R.J. Reynolds Tobacco Company, Nationality: A Company Incorporated in USA, (whose legal address is 401 North Main Street, Winston-Salem, NORTH CAROLINA 27101, United States of America, United States of America) and (1) University Of Kentucky Research Foundation, Nationality: A Foundation under the laws of USA, (whose legal address is 201 Gillis Building Lexington, KENTUCKY 40506-0033, United States of America, United States of America) Priority: US 62/857,718 Dated: 05/06/2019

bZIP TRANSCRIPTION FACTORS REGULATE
CONVERSION OF NICOTINE TO NORNICOTINE AND
REDUCE LEVELS OF TOBACCO SPECIFIC (TSNA)
PRECURSORS.

IPC: A 24B 15/10, C 12P 17/12

1006613

Abstract: A method of decreasing conversion of nicotine to nornicotine is provided herein. The methods includes administering at least one basic region/leucine zipper (bZIP) type transcription factor inhibitor to an organism in need thereof. Also provided herein is a method of decreasing conversion of nicotine to nornicotine including mutating a bZIP type transcription factor binding site on a promoter of a nicotine N-demethylase (NND). Further provided herein is a method of decreasing conversion of nicotine to nornicotine including mutating a plant genome to knockout at least one bZIP type transcription factor.

Alaya Khatun
Deputy Registrar.