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নং-৩৬.০৮.০০০০.২০০.১৬.০০১.২২.৯৫ তারিখঃ ৭/০১/২০২৬ খ্রি.

বিষয়ঃ দাখিলকৃত পেটেন্ট আবেদনসমূহ ওয়েবসাইটে প্রকাশ।

বাংলাদেশ পেটেন্ট আইন, ২০২৩ এর ধারা ১৭ অনুযায়ী ডিপিডিটিতে ২০২৪ সালে দাখিলকৃত পেটেন্ট আবেদন নং ১৬১-১৬৬, ১৭৪-১৮৩, ১৮৫-১৮৯, ১৯৬, ১৯৮-২০২ মোট ২৭ (সাতাশ) টি আবেদন নিম্নবর্ণিত তথ্যাদি সহ অধিদপ্তরের ওয়েবসাইটে (www.dpdt.gov.bd) প্রকাশ করা হল।

(ক) উদ্ভাবনের শিরোনাম;
(খ) পেটেন্ট আবেদনকারী ও উদ্ভাবকের নাম;
(গ) আবেদন দাখিলের তারিখ ও নম্বর;
(ঘ) অগ্রাধিকার নম্বর ও তারিখ, যদি থাকে;
(ঙ) পেটেন্ট এর শ্রেণিবিন্যাস;
(চ) উদ্ভাবনের মূল উপাদান চিত্রায়িত করে এইরূপ অংকন, যদি থাকে;
(ছ) বিষয়বস্তুর সার-সংক্ষেপ।

সংযুক্তিঃ ২৭ (সাতাশ) পাতা।

7.1.2026
আমিন মোহাম্মদ তাজুল ইসলাম
উপ-পরিচালক (পেটেন্ট)

অনুলিপিঃ
১। পরিচালক (সকল), পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর, ঢাকা।
২। সিস্টেম এনালিস্ট, পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর। (ওয়েবসাইটে প্রকাশের জন্য)
৩। উপ-পরিচালক (পেটেন্ট) (সকল), পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর, ঢাকা।
৪। মহাপরিচালক মহোদয়ের ব্যক্তিগত সহকারী, পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর, ঢাকা।

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Publication of Filed Patent Application
Publication No: 28 & Date: 7 January 2026

(11) Patent registration No and date ,
(21) Appl. No. BD-P-2024-161
(22) Filed: 02/06/2024

(23) Priority Data:
European Patent Office (EPO), Number :231777053, Date : 06-06-2023.

(71) Applicant: STÄUBLI SARGANS AG of Grossfeldstrasse 71 SARGANS, 7320, Nationality -Switzerland

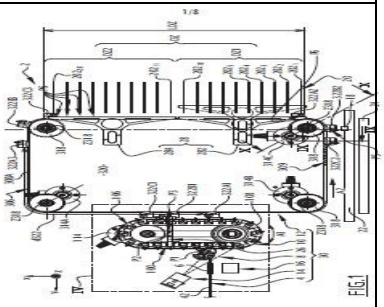
(72) Inventors: (1) ACKERMANN Stefan of Nelkenstrasse 4, MELS, 8887, Switzerland Nationality -Switzerland, (2) MARK Rico of Alvierstrasse 26, VILTERS, 7324, Switzerland Nationality -Switzerland, (3) FREHNER Erik Uli of Bühlstrasse 28b, Neukirch an der Thur, 9217, Switzerland Nationality -Switzerland, (4) BUERGE Pascal of Teilerrüfeweg 4 Maienfeld, 7304, Switzerland Nationality -Switzerland

(74) Agent : REMFRY & SON LIMITED, {app_representative_address}, Bangladesh

(51) INT. CL. : B64F 1/36

(54) Invention Title: HEDDLE MODULE, DRAWING-IN MACHINE COMPRISING SUCH A HEDDLE MODULE AND METHOD FOR FEEDING HEDDLES

(57) Abstract
A heddle module (30) for a drawing-in machine comprises a heddles-feeding device (4), a heddles-separating device (8), a heddles-transport device (12) and a heddles-sorting device (10) including at least one sorting conveyor equipped with several heddle-support elements spaced along a sorting path, each heddle-support element being configured to hold one separated heddle and to move it from a feeding position (P1) to at least one sorting transfer position (P2)along the sorting path, and a heddles-transfer device (26) for transferring a separated heddle (60) out of a heddle-support element (122) located at the sorting transfer position (P2) onto the heddles-transport device (12) at the transport transfer position (P3). The heddle module (30) also comprises a heddles-detection device (14) configured to detect at least one parameter different if the heddle is a left heddle or a right heddle, and a controller (16) connected to the heddles-detection device (14) and to the heddles-sorting device (10) and configured to command the heddles-sorting device according to the parameter detected for this heddle by the heddles-detection device (14) and according to a predetermined heddle sequence of heddle types. The heddles-separating device (8) is interposed between the heddles-feeding device (4) and the sorting conveyor (100).



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Publication No: 28 & Date: 7 January 2026

(11) Patent registration No and date ,
(21) Appl. No. BD-P-2024-162
(22) Filed: 02/06/2024

(23) Priority Data:
Japan, Number :2023024838, Date : 04-07-2023.

(71) Applicant: YKK CORPORATION of 1, Kanda Izumi-cho, Chiyoda-ku, Tokyo 1018642, Nationality -Japan

(72) Inventors: (1) TAKEDA, Ryosuke of c/o YKK ZIPPER (SHENZHEN) CO., LTD., Tangwei Industry Park, Fuhai Street, Baoan District, Shenzhen, Guangdong 518103, China Nationality -Japan

(74) Agent : REMFRY & SON LIMITED, {app_representative_address}, Bangladesh

(51) INT. CL. : C25F 3/06

(54) Invention Title: MATTE FINISH BUTTON OR SLIDER PART, AND METHOD FOR PROVIDING MATTE FINISH THEREON

(57) Abstract

A matte finish button or slider part includes stainless steel as a base material, and is characterized in that an uneven shape having grooves along grain boundary is formed on at least a part of an outer surface of the stainless steel, and the uneven shape includes the grain boundary exposed on the outer surface.

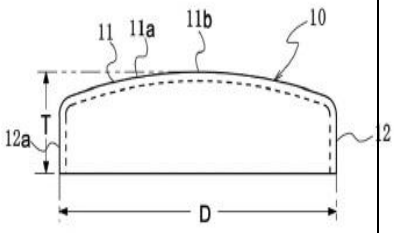

FIG. 1

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Publication No: 28 & Date: 7 January 2026

(11) Patent registration No and date ,
(21) Appl. No. BD-P-2024-163
(22) Filed: 02/06/2024

(23) Priority Data:
European Patent Office (EPO), Number :231777038, Date : 06-06-2023.

(71) Applicant: STÄUBLI SARGANS AG of Grossfeldstrasse 71 SARGANS, 7320, Nationality -Switzerland

(72) Inventors: (1) ACKERMANN Stefan of Nelkenstrasse 4, MELS, 8887, Switzerland Nationality -Switzerland, (2) MARK Rico of Alvierstrasse 26, VILTERS, 7324, Switzerland Nationality -Switzerland, (3) FREHNER Erik Uli of Bühlstrasse 28b, Neukirch an der Thur, 9217, Switzerland Nationality -Switzerland, (4) BUERGE Pascal of Teilerrüfeweg 4 Maienfeld, 7304, Switzerland Nationality -Switzerland

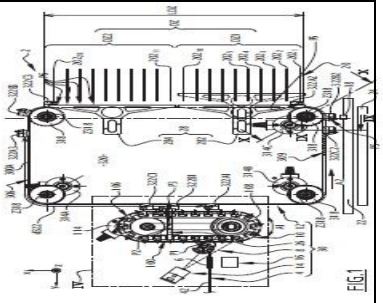
(74) Agent : REMFRY & SON LIMITED, {app_representative_address}, Bangladesh

(51) INT. CL. : D03J 1/14

(54) Invention Title: TRANSPORT DEVICE, DRAWING-IN MACHINE COMPRISING SUCH A TRANSPORT DEVICE AND METHOD FOR TRANSPORTING HARNESS COMPONENTS IN A DRAWING-IN MACHINE

(57) Abstract

This transport device (12) for a drawing-in machine is configured to move harness components (60), between at least one transport transfer position and several discharge positions, via at least one threading position, the harness components being exclusively heddles or exclusively dropwires. The transport device includes several transport conveyors (300A, 300B, 300C) including at least one carrying member (308) and at least a drive (312A, 312B, 312C, 314A, 314B, 314C). A controller (16) is connected to the drives of the transport conveyors. Several harness component-holding elements (322) are secured to each carrying member (308). Each harness component-holding element (322) is configured to hold a harness component (60). The harness component-holding elements (322) of the several transport conveyors are adjacent to each other and movable along a closed transport path that is common to all transport conveyors and that goes through each transport transfer position, through each threading position and through each discharge position.



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Publication of Filed Patent Application
Publication No: 28 & Date: 7 January 2026

(11) Patent registration No and date ,
(21) Appl. No. BD-P-2024-164
(22) Filed: 02/06/2024

(23) Priority Data:

(71) Applicant: Bangladesh Computer Council of E-14/X, ICT Tower, Agargaon, Sher-E-Bangla Nagar, Dhaka-1207, Nationality -Bangladesh

(72) Inventors: (1) Arman Siddique of 141/E, East Shahebpara Shanarpar, Shiddhirganj, Narayanganj, Bangladesh Nationality -Bangladesh, (2) Md. Ahnaf Abid of House- 14, Road-3, Shopnodhara Housing, 40 feet road, Bosila, Mohammadpur, Dhaka-1207, Bangladesh Nationality -Bangladesh, (3) Jeba Tahsin of House 98, Road 13, Nobi Nagar Housing (near Dhaka Uddan), Mohammadpur, Dhaka-1207, Bangladesh Nationality -Bangladesh

(51) INT. CL. : B65F 1/00

(54) Invention Title: A Smart Garbage Sorting Bin with Rewarding Incentives to the Owner

(57) Abstract
The amount of trash we're producing is skyrocketing because cities are growing, businesses are expanding, and factories are pumping out more harmful wastes. However, we aren't effectively sorting our waste. When we mix everything together, it causes a lot of problems. Pollution, health risks, and harm to the environment are just some of the issues we're dealing with. Imagine tossing your recyclables in with your regular trash – that makes it really hard to reuse or recycle anything, so it just piles up in landfills or gets burned, releasing harmful stuff into the air. Plus, in many places, there's no organized system for collecting trash, which means it ends up littering streets and contaminating soil. Our objective is to revolutionize waste management with an innovative automated garbage sorting bin, leveraging cutting-edge artificial intelligence (AI) technology. This cutting-edge system is designed to efficiently separate recyclable and non-recyclable waste, ensuring minimal environmental impact and maximum resource recovery. Using machine learning object identification, the bin accurately categorizes various waste materials, including paper/cardboard, metals, plastics, and biological waste. This bin features five distinct compartments, each tailored to accommodate specific types of waste. The first compartment is designated for paper and cardboard waste, while the second compartment is allocated for metals. The third compartment is dedicated to plastics, ensuring efficient recycling of these materials. The fourth compartment is reserved for biological waste, such as food scraps and organic matter. Lastly, the fifth compartment serves as a catch-all for unknown or unidentifiable waste, aptly named "Others." This compartment provides a safety net for any waste that the sorting system cannot classify, ensuring that even unfamiliar items are segregated from recyclable materials. Additionally, our smart waste collection system notifies garbage collectors when the bin is full, optimizing collection routes for efficiency. Complementing this technology, a user-friendly website and mobile app offer real-time insights into bin contents, allowing users to track their recycling progress. Additionally, our system introduces a novel incentive mechanism to promote recycling participation. The website will display the monetary value of recyclable products based on weight measurements. When garbage collectors empty the bin, the corresponding amount will be directly deposited into users' e-wallets, incentivizing responsible waste disposal practices. By combining AI-driven sorting technology, real-time monitoring capabilities, and a rewarding incentive structure, our solution aims to revolutionize waste management, fostering sustainable practices and environmental stewardship.

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(11) Patent registration No and date , **(21) Appl. No.** BD-P-2024-165 **(22) Filed:** 02/06/2024
(23) Priority Data: India, Number :202321037910, Date : 02-06-2023.
(71) Applicant: INDOFIL INDUSTRIES LIMITED of 4th Floor, Kalpataru Square, Kondivita Road, Off Andheri Kurla Road, Andheri (East), Mumbai- 400 059, Maharashtra, Nationality -India
(72) Inventors: (1) Seema Abhijit Patil of Indofil Industries LTD Kalpataru Square - 4th floor, Kalpataru Square, Kondivita Road, Off Andheri Kurla Road, Andheri (East), Mumbai- 400 059, Maharashtra, India Nationality -India, (2) Devendra Bhagwan Chaudhari of Indofil Industries LTD Kalpataru Square - 4th floor, Kalpataru Square, Kondivita Road, Off Andheri Kurla Road, Andheri (East), Mumbai- 400 059, Maharashtra, India Nationality -India, (3) Rahul Kishore Hedaoo of Indofil Industries LTD Kalpataru Square - 4th floor, Kalpataru Square, Kondivita Road, Off Andheri Kurla Road, Andheri (East), Mumbai- 400 059, Maharashtra, India Nationality -India, (4) Vilas Kashinath Patil of Indofil Industries LTD Kalpataru Square - 4th floor, Kalpataru Square, Kondivita Road, Off Andheri Kurla Road, Andheri (East), Mumbai- 400 059, Maharashtra, India Nationality -India
(74) Agent : Rana & Associates, {app_representative_address}, Bangladesh
(51) INT. CL. : C07D 273/04
(54) Invention Title: An Insecticidal Composition
(57) Abstract The present invention relates to a synergistic insecticidal composition. The synergistic insecticidal composition comprises effective amounts of the following ingredients: a diamide insecticide as a first active ingredient; an avermectin insecticide as a second active ingredient; an oxadiazine insecticide or an organothiophosphate insecticide as a third active ingredient; and agrochemically acceptable excipients.

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(11) Patent registration No and date , **(21) Appl. No.** BD-P-2024-166 **(22) Filed:** 02/06/2024
(23) Priority Data: India, Number :202311043772, Date : 29-06-2023.
(71) Applicant: RIYA NAGPAL of 385a/7, Lal Sarak, Khatian Mohalla, Back Side Municipal Committee, Hansi, Hisar, Haryana-125033, Nationality -India
(72) Inventors:
(74) Agent : IP CONSERVATOR, {app_representative_address}, Bangladesh
(51) INT. CL. : C04B 35/117
(54) Invention Title: SYNERGISTIC PESTICIDAL COMPOSITION
(57) Abstract The present invention relates to synergistic pesticidal composition for the protection of various crops, plants against pests including mites, whitefly and thrips, process of preparation and use thereof.

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(11) Patent registration No and date ,
(21) Appl. No. BD-P-2024-174
(22) Filed: 04/06/2024

(23) Priority Data:

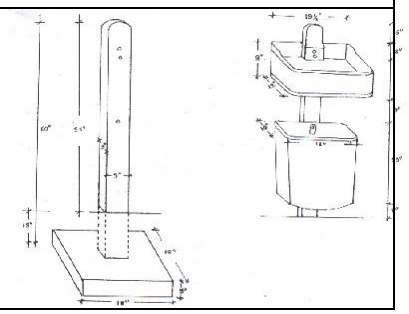
(71) Applicant: Md. Abdullah Faruque of 4/9-A, Iqbal Road, Flat No: B-4, Mohammadpur, Dhaka, Nationality - Bangladesh

(72) Inventors: (0) Md. Abdullah Faruque of 4/9-A, Iqbal Road, Flat No: B-4, Mohammadpur, Dhaka, Bangladesh Nationality -Bangladesh

(51) INT. CL. : A01K 67/027

(54) Invention Title: AMAR BIN

(57) Abstract
If this Bin is placed on the side of the footpath, it will play a huge role in creating a clean environment. This Bin can used for the same purpose at the Resort and Park.



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Publication of Filed Patent Application
Publication No: 28 & Date: 7 January 2026

(11) Patent registration No and date , **(21) Appl. No.** BD-P-2024-175 **(22) Filed:** 05/06/2024
(23) Priority Data: European Patent Office (EPO), Number :231778671, Date : 07-06-2023.
(71) Applicant: ASUTEX APLICACIÓN Y SUMINISTROS TEXTILES SAU of Av. Camí Reial, 13-15 Pol. Ind Riera de Caldes, 08184 Palau-solità i Plegamans Barcelona, Nationality -Spain
(72) Inventors: (1) Antonio MARTINEZ of C/O Av. Camí Reial, 13-15 Pol. Ind Riera de Caldes, 08184 Palau-solità i Plegamans Barcelona, Spain Nationality -Spain, (2) Albert MONSO of C/O. Av. Camí Reial, 13-15 Pol. Ind Riera de Caldes, 08184 Palau-solità i Plegamans Barcelona, Spain Nationality -Spain, (3) Joan SABORIT of C/O. Av. Camí Reial, 13-15 Pol. Ind Riera de Caldes, 08184 Palau-solità i Plegamans Barcelona, Spain Nationality -Spain
(74) Agent : Bepary & Bepary, {app_representative_address}, Bangladesh
(51) INT. CL. : D06P 3/66
(54) Invention Title: PROCESS OF DYEING GARMENTS WITH REACTIVE DYES
(57) Abstract The present invention concerns a process for dyeing textile garments by means of reactive dyes using conventional rotatory drum dyeing machine and reactive dyes, characterized in that it requires less amount of water than the conventional exhaustion process and avoids the use of electrolytes and temperature.

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(11) Patent registration No and date ,
(21) Appl. No. BD-P-2024-176
(22) Filed: 09/06/2024

(23) Priority Data:
China, Number :2023111076, Date : 03-08-2023.

(71) Applicant: Nokia Technologies Oy of Karakaari 7, 02610 Espoo, Nationality -Finland

(72) Inventors: (0) Samuli Heikki TURTINEN of Salongintie 15, Ii, 91100, Finland Nationality -Finland, (1) Jussi-Pekka KOSKINEN of Kipinäkuja 10, Oulu, 90420, Finland Nationality -Finland, (2) Chunli WU of No. 1 Wangjng East Road, Beijing, 100102, China Nationality -China

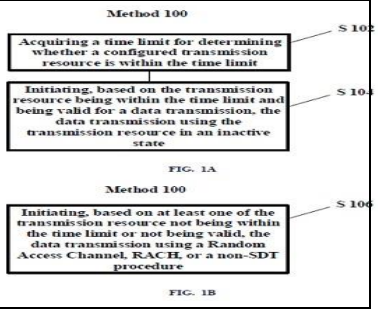
(74) Agent : REMFRY & SON LIMITED, {app_representative_address}, Bangladesh

(51) INT. CL. : G06K 19/077

(54) Invention Title: METHOD AND APPARATUS FOR DETERMINING TRANSMISSION RESOURCE FOR INITIATING DATA TRANSMISSION.

(57) Abstract

Embodiments of the present disclosure provide a method and an apparatusfor determining a transmission resource for initiating a data transmission. The method (100) performed by a terminal device may comprise: acquiring (S102) a time limit for determining whether a configured transmission resource is within the time limit; andinitiating (S104), based on the transmission resource being within the time limit and being valid for a data transmission,the data transmission using the transmission resourcein an inactive state.According to embodiments of the present disclosure, the time limit is considered for determining the transmission resource, and thus the data transmission can be performed timely.



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
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(11) Patent registration No and date ,
(21) Appl. No. BD-P-2024-177
(22) Filed: 09/06/2024

(23) Priority Data:
India, Number :202321039605, Date : 09-06-2023.

(71) Applicant: Celagenex Research (India) Pvt. Ltd. of 1203-06, 12th Floor, Solus, Hiranandani Estate, Ghodbunder Road, 400607 Thane (West) - Maharashtra, Nationality -India

(72) Inventors: (1) SAMANT, Rajaram of Royce 2602, Rodas, Hiranandani Estate, G.B. Road, Thane West-400607, India Nationality -India, (2) TONGRA, Manoj of A-72, Model Town Malviya Nagar, Jaipur-302017, Rajasthan, India Nationality -India

(74) Agent : REMFRY & SON LIMITED, {app_representative_address}, Bangladesh

(51) INT. CL. : A01N 25/24

(54) Invention Title: SYNERGISTIC BIOACTIVE COMPOSITION FOR ENHANCING ACTIVITY OF PINK1/PARKIN PATHWAY

(57) Abstract

The present invention relates to a synergistic composition for enhancing activity of PINK1/PARKIN pathway. Particularly, the present invention relates to synergistic bioactive composition comprising combination of benzo-coumarin compound and at least one cell viability enhanceralong with pharmaceutically acceptable excipients. The composition is useful in the treatment of obesity, diabetes, cancer, liver diseases, sexual dysfunction, neurodegenerative diseases, cardiovascular diseases, osteoarthritis, musculoskeletal diseases, neuromuscular diseases, and kidney diseases.

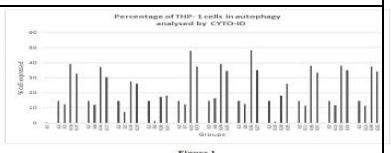

Figure 1

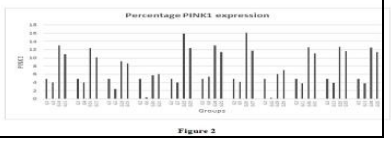

Figure 2

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
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Publication No: 28 & Date: 7 January 2026

(11) Patent registration No and date ,
(21) Appl. No. BD-P-2024-178
(22) Filed: 09/06/2024

(23) Priority Data:
India, Number :202321039610, Date : 09-06-2023.

(71) Applicant: Celagenex Research (India) Pvt. Ltd. of 1203-06, 12th Floor, Solus, Hiranandani Estate, Ghodbunder Road, 400607 Thane (West) - Maharashtra, Nationality -India

(72) Inventors: (1) SAMANT, Rajaram of Royce 2602, Rodas, Hiranandani Estate, G.B. Road, Thane West-400607, India Nationality -India, (2) TONGRA, Manoj of A-72, Model Town Malviya Nagar, Jaipur-302017, Rajasthan, India Nationality -India

(74) Agent : REMFRY & SON LIMITED, {app_representative_address}, Bangladesh

(51) INT. CL. : C12N 15/113

(54) Invention Title: SYNERGISTIC COMPOSITION FOR MODULATING EXPRESSION OF CD38

(57) Abstract

The invention disclosed herein relates tosynergistic composition for modulating expression of cyclic ADP ribose hydrolase (CD38). Particularly, the present invention relates to synergistic bioactive composition comprising therapeutic blend of bioactive sesquiterpenoid and at least one potent glucose uptake promoters present in specific weigh percentage along with pharmaceutically acceptable excipients.The present synergistic composition is useful in improving intracellular signaling activity, particularly the composition is used for treating upregulated cyclic ADP ribose hydrolase (CD38) disorders.

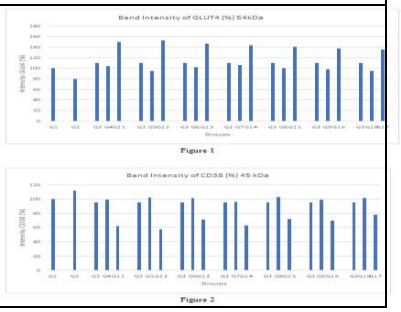

Figure 1

Figure 2

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
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Publication No: 28 & Date: 7 January 2026

(11) Patent registration No and date ,
(21) Appl. No. BD-P-2024-179
(22) Filed: 09/06/2024

(23) Priority Data:
United States of America, Number :63472093, Date : 09-06-2023.

(71) Applicant: Intrinsic Advanced Materials, LLC of 531 Cotton Blossom Circle, Gastonia, North Carolina 28054, Nationality -United States of America

(72) Inventors: (1) Robert Alton USHER Jr. of c/o Intrinsic Advanced Materials, LLC, 531 Cotton Blossom Circle Gastonia, North Carolina 28054, United States of America Nationality -United States of America, (2) Julia Renee LOGAN of c/o Intrinsic Advanced Materials, LLC, 531 Cotton Blossom Circle Gastonia, North Carolina 28054, United States of America Nationality -United States of America

(74) Agent : REMFRY & SON LIMITED, {app_representative_address}, Bangladesh

(51) INT. CL. : A23G 9/14

(54) Invention Title: BLENDED LIQUID FORMULATION FOR CONTINUOUS PRODUCTION OF BIODEGRADABLE POLYMERS

(57) Abstract

Embodiments of the present disclosure are directed to a blended liquid biodegradable textile additive. The additive includes caprolactone monomer, polyethylene glycol, calcium carbonate, and an antioxidant.The blended liquid biodegradable textile additive is formulated to be transported in a liquid additive container.

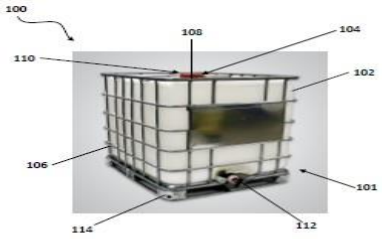

FIG. 1

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
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Publication No: 28 & Date: 7 January 2026

(11) Patent registration No and date ,
(21) Appl. No. BD-P-2024-180
(22) Filed: 09/06/2024

(23) Priority Data:
Germany, Number :2020230012406, Date : 07-06-2023.

(71) Applicant: QASS GmbH Qualität Automation Systeme Software of Schöllinger Feld 28, 58300 Wetter, Nationality -Germany, matchpoint Textilmaschinenbau GmbH of Hehler 38D, 41366 Schwalmtal, Nationality -Germany

(72) Inventors: (2) Ulrich SEUTHE of Karl-Siepmann-Str. 51, 58300 Wetter, Germany Nationality -Germany, (3) Jörg Schmäschke of Hehler 38 D, 41366 Schwalmtal, Germany Nationality -Germany

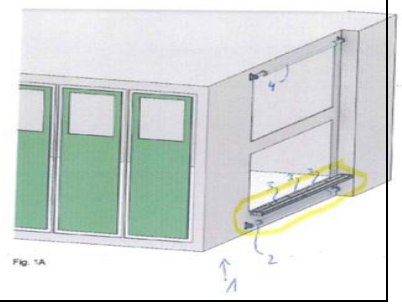
(74) Agent : MUNSHI & ASSOCIATES, {app_representative_address}, Bangladesh

(51) INT. CL. : B23B 7/02

(54) Invention Title: In-situ measuring method for objective assessment of the surface finish of textiles as well as elements and devices for this

(57) Abstract

The invention relates to an element for exciting and picking up acoustic vibrations of a textile web, comprising a preferably elongated body with a curved contact surface for contacting the textile web under tension and an acoustic sensor for picking up the acoustic vibrations. The invention also relates to a device for attachment to a textile web processing station with the element and a textile processing station comprising the device. The invention also relates to an in-situ measuring method for objectively assessing the surface finish of textiles.



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পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
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Publication of Filed Patent Application
Publication No: 28 & Date: 7 January 2026

(11) Patent registration No and date ,
(21) Appl. No. BD-P-2024-181
(22) Filed: 12/06/2024

(23) Priority Data:
United States of America, Number :63511073, Date : 29-06-2023.

(71) Applicant: Monsanto Technology LLC of 800 North Lindbergh Boulevard, St. Louis, Missouri 63167, Nationality -United States of America, Board of Regents, The University of Texas System of 210 W. 7th Street, Austin, Texas 78701, Nationality -United States of America

(72) Inventors: (2) ALPER, Hal of 6108 Colina Lane, Austin, Texas 78759, United States of America Nationality -United States of America, (3) GUO, Shirley X. of 800 North Lindbergh Boulevard, St. Louis, Missouri 63167, United States of America Nationality -United States of America, (4) IVASHUTA, Sergey of 800 North Lindbergh Boulevard, St. Louis, Missouri 63167, United States of America Nationality -Russian Federation, (5) LARUE, Clayton T. of 800 North Lindbergh Boulevard, St. Louis, Missouri 63167, United States of America Nationality -United States of America, (6) REED, Kevin B. of 801 W. 5th Street, Apt. 2502, Austin, Texas 78703, United States of America Nationality -United States of America

(74) Agent : Rana & Associates, {app_representative_address}, Bangladesh

(51) INT. CL. : C09K 15/34

(54) Invention Title: METHODS AND COMPOSITIONS FOR GLYPHOSATE TOLERANCE IN PLANTS

(57) Abstract

The present disclosure relates to novel methods and compositions for conferring tolerance to glyphosate to plants. The present disclosure also provides glyphosate-tolerant plants, seeds, tissues, cells, and plant parts comprising modified EPSP synthases and recombinant DNA molecules encoding modified EPSP synthases, as well as methods of producing the same and the use thereof.

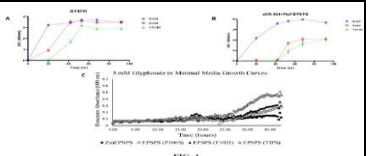

FIG. 1

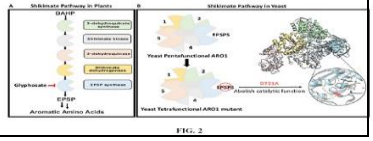

FIG. 2

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
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Publication No: 28 & Date: 7 January 2026

(11) Patent registration No and date , **(21) Appl. No.** BD-P-2024-182 **(22) Filed:** 13/06/2024
(23) Priority Data: Republic of Korea, Number :1020230075589, Date : 13-06-2023.
(71) Applicant: CJ CHEILJEDANG CORPORATION of 330, Dongho-ro, Jung-gu, Seoul 04560, Nationality - Republic of Korea
(72) Inventors: (1) LEE, Joo Hee of 330, Dongho-ro, Jung-gu, Seoul 04560, Republic of Korea Nationality -Republic of Korea, (2) CHO, A-Ra of 330, Dongho-ro, Jung-gu, Seoul 04560, Republic of Korea Nationality -Republic of Korea, (3) JI, Chang Jun of 330, Dongho-ro, Jung-gu, Seoul 04560, Republic of Korea Nationality -Republic of Korea, (4) SEOK, Jong-cheol of 330, Dongho-ro, Jung-gu, Seoul 04560, Republic of Korea Nationality -Republic of Korea
(74) Agent : Rana & Associates, {app_representative_address}, Bangladesh
(51) INT. CL. : C12N 9/52
(54) Invention Title: NOVEL SERINE PROTEASE VARIANT
(57) Abstract The present disclosure relates to a novel serine protease variant.

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
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Publication No: 28 & Date: 7 January 2026

(11) Patent registration No and date ,
(21) Appl. No. BD-P-2024-183
(22) Filed: 13/06/2024

(23) Priority Data:
United States of America, Number :63523509, Date : 27-06-2023.

(71) Applicant: FMC CORPORATION of 2929 Walnut Street, Philadelphia, Pennsylvania 19104, Nationality -United States of America, FMC IP Technology GmbH of Industrieplatz 1c/Mittelbau, Neuhausen, 8212, Nationality -Switzerland

(72) Inventors: (2) Guozhi WANG of c/o FMC Corporation-Patent Dept., 2929 Walnut Street, Philadelphia, Pennsylvania 19104, United States of America Nationality -United States of America, (3) Isaac Billy ANNAN of c/o FMC Corporation- Patent Dept., 2929 Walnut Street, Philadelphia, Pennsylvania 19104, United States of America Nationality -United States of America, (4) Magali GRAVOUIL of c/o FMC Corporation-Patent Dept., 2929 Walnut Street, Philadelphia, Pennsylvania 19104, United States of America Nationality -France, (5) Oliver Walter GUTSCHE of c/o FMC Corporation Patent Dept., 2929 Walnut Street, Philadelphia, Pennsylvania 19104, United States of America Nationality -United States of America, (6) Robert KENNEDY of c/o FMC Corporation-Patent Dept., 2929 Walnut Street, Philadelphia, Pennsylvania 19104, United States of America Nationality -United States of America, (7) Luis TEIXEIRA of c/o FMC Corporation-Patent Dept., 2929 Walnut Street, Philadelphia, Pennsylvania 19104, United States of America Nationality -United States of America

(74) Agent : MUNSHI & ASSOCIATES, {app_representative_address}, Bangladesh

(51) INT. CL. : C12N 5/078

(54) Invention Title: BAIT COMPOSITIONS

(57) Abstract

Described herein are bait compositions. Also described herein are methods of making bait compositions. Also described herein are methods for controlling pests with the bait compositions.

FIG. 1A

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
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Publication of Filed Patent Application
Publication No: 28 & Date: 7 January 2026

(11) Patent registration No and date , **(21) Appl. No.** BD-P-2024-185 **(22) Filed:** 13/06/2024
(23) Priority Data: United States of America, Number :63521125, Date : 15-06-2023.
(71) Applicant: LUBRIZOL ADVANCED MATERIALS, INC of 9911 Brecksville Road, Cleveland, Ohio 44141-3247, Nationality -United States of America
(72) Inventors: (0) Li Nie of Broadview Hts., Ohio, United States of America Nationality -United States of America
(74) Agent : REMFRY & SON LIMITED, {app_representative_address}, Bangladesh
(51) INT. CL. : A62D 101/43
(54) Invention Title: HEAVY METAL FREE HALOGENATED COMPOSITIONS
(57) Abstract The disclosed technology relates to chlorine containing polymers, such as polyvinyl chloride and its copolymersbeing free of heavy metals, particularly heavy metals in the form of stabilizer additives, the most common heavy metal being tin.

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Publication No: 28 & Date: 7 January 2026

(11) Patent registration No and date ,
(21) Appl. No. BD-P-2024-186
(22) Filed: 13/06/2024

(23) Priority Data:
United States of America, Number :63521013, Date : 14-06-2023.

(71) Applicant: BAQAI, Navaid of 10140 Saddle Brook Farm Trail, Woodstock, Maryland 21163, Nationality -United States of America

(72) Inventors: (1) BAQAI, Navaid of 10140 Saddle Brook Farm Trail, Woodstock, Maryland 21163, United States of America Nationality -United States of America

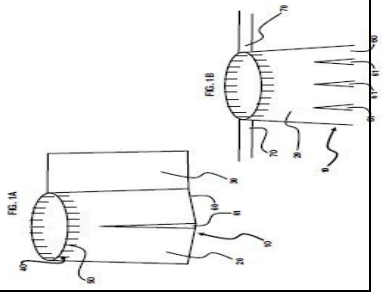
(74) Agent : Shahid & Alliance, {app_representative_address}, Bangladesh

(51) INT. CL. : D04B 1/24

(54) Invention Title: IHRAM GARMENT

(57) Abstract

An izar garment includes a tubular knit fabric portion having an interlooping upper end portion and a lower end portion. The interlooping upper end portion includes a ribbed structure. The lower end portion includes goring panels; a flat knit fabric portion extending upward from the tubular knit fabric portion and configured to fold over a front section of the tubular knit fabric portion; and a belt portion extending from an upper end of the flat knit fabric portion and configured to wrap around the tubular knit fabric portion and secure the izar garment around a waist of a wearer.



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Publication No: 28 & Date: 7 January 2026

(11) Patent registration No and date ,
(21) Appl. No. BD-P-2024-187
(22) Filed: 19/06/2024

(23) Priority Data:
Brazil, Number :1020230121039, Date : 16-06-2023. and Brazil, Number :1020240120604, Date : 14-06-2024.

(71) Applicant: GAVEA TECH LTDA. of Rua JJ Seabra 14 casa 2, 22470-130, Rio de Janeiro, RJ, Nationality -Brazil

(72) Inventors: (1) JOSE CARLOS D'ABREU of Av das Americas 8888, bl 9, 202, 22793-081, Rio de Janeiro, RJ, Brazil Nationality -Brazil, (2) MARCOS DE ALBUQUERQUE CONTRUCCI of Caminho do Sertão, 1140, 20531-550, Rio de Janeiro, RJ, Brazil Nationality -Brazil, (3) PEDRO HENRIQUE CARPINETTI COSTA of Rua Pernambuco, 218 apto 403 – Bairro Anita Garibaldi, 89202-142, Joinville, SC, Brazil Nationality -Brazil

(74) Agent : Associate Intellectual Property Law Firm (AIPLF), {app_representative_address}, Bangladesh

(51) INT. CL. : B01J 8/00

(54) Invention Title: PROCESS AND EQUIPMENT FOR PRODUCING METAL ALLOYS AND METHOD FOR TREATING GASES RESULTING FROM PRODUCING METAL ALLOYS

(57) Abstract

The present invention is within the field of metallurgy, especially iron and steel steelmaking in integrated plants. In particular, the present invention discloses a process and equipment for the direct production of metallic alloys with reduced carbon content, such as steel, in a self-reduction shaft furnace reactor, aiming to achieve net zero CO2 emissions. The invention further comprises agglomerate compositions containing metallic oxides and carbonaceous elements suitable for the production of metallic alloys, such as low carbon steel. Furthermore, the present invention discloses methods of recovery, treatment and reuse of gases generated during the production of said metallic alloys.

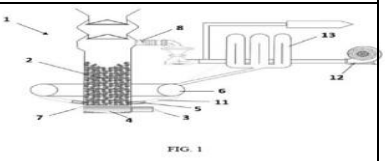
FIG. 1

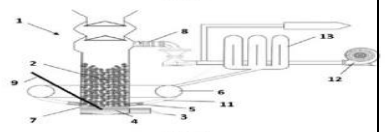
FIG. 2

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(11) Patent registration No and date ,
(21) Appl. No. BD-P-2024-188
(22) Filed: 19/06/2024

(23) Priority Data:
Brazil, Number :1020230121039, Date : 16-06-2023. and Brazil, Number :1020240120612, Date : 14-06-2024.

(71) Applicant: GAVEA TECH LTDA. of Rua JJ Seabra 14 casa 2, 22470-130, Rio de Janeiro, RJ, Nationality -Brazil

(72) Inventors: (1) JOSE CARLOS D'ABREU of Av das Americas 8888, bl 9, 202, 22793-081, Rio de Janeiro, RJ, Brazil Nationality -Brazil, (2) MARCOS DE ALBUQUERQUE CONTRUCCI of Caminho do Sertão, 1140, 20531-550, Rio de Janeiro, RJ, Brazil Nationality -Brazil, (3) PEDRO HENRIQUE CARPINETTI COSTA of Rua Pernambuco, 218 apto 403 – Bairro Anita Garibaldi, 89202-142, Joinville, SC, Brazil Nationality -Brazil

(74) Agent : Associate Intellectual Property Law Firm (AIPLF), {app_representative_address}, Bangladesh

(51) INT. CL. : B01J 19/24

(54) Invention Title: EQUIPMENT AND PROCESS FOR PRODUCING METAL ALLOYS AND METHOD FOR TREATING GASES RESULTING FROM THE PRODUCING OF METAL ALLOYS

(57) Abstract

The present invention is intended for the field of metallurgy, especially iron and steel steelmaking in integrated plants. In particular, the present invention discloses a process and equipment for direct production of metallic alloys with reduced carbon content, such as steel, in a self-reduction electric reactor, aiming at net zero CO2 emissions. The invention further concerns agglomerate compositions containing metallic oxides and carbonaceous elements suitable for the production of metallic alloys, such as low carbon steel. Finally, the present invention discloses methods for recovering, treating and reusing gases generated during the production of said metallic alloys.

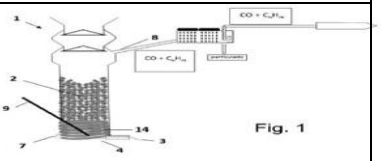
Fig. 1

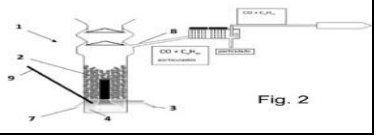
Fig. 2

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
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www.dpdt.gov.bd

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Publication No: 28 & Date: 7 January 2026

(11) Patent registration No and date ,
(21) Appl. No. BD-P-2024-189
(22) Filed: 19/06/2024

(23) Priority Data:
Australia, Number :2023901933, Date : 19-06-2023.

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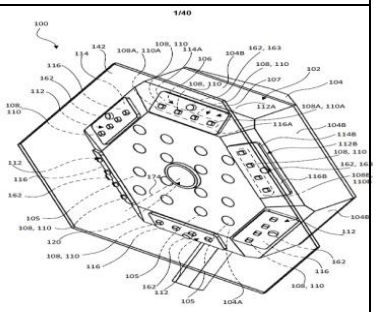
(74) Agent : Bepary & Bepary, {app_representative_address}, Bangladesh

(51) INT. CL. : B60W 50/04

(54) Invention Title: Monitoring System and Methods

(57) Abstract

A monitoring system (100). The monitoring system (100) comprises an emission system (106) comprising: one or more environment mapping emitters (108); and one or more targeting optical systems (110). Each environment mapping emitter (108) is configured to emit electromagnetic radiation at a respective targeting optical system (110) of the one or more targeting optical systems (110). Each targeting optical system (110) is configured to direct the electromagnetic radiation towards a respective target region of an environment of the monitoring system. The monitoring system (100) comprises a sensing system (120) that is configured to generate sensing system data based at least in part on the electromagnetic radiation emitted by the environment mapping emitters (108) that is reflected by the target regions of the environment.



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
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Publication No: 28 & Date: 7 January 2026

(11) Patent registration No and date , **(21) Appl. No.** BD-P-2024-196 **(22) Filed:** 23/06/2024
(23) Priority Data: Republic of Korea, Number :1020230083501, Date : 28-06-2023.
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(74) Agent : REMFRY & SON LIMITED, {app_representative_address}, Bangladesh
(51) INT. CL. : C12P 13/06
(54) Invention Title: A microorganism expressing threonine export protein RhtC and a use for producing L-isoleucine thereof
(57) Abstract The present disclosure provides a microorganism expressing threonine export protein RhtC and a use for producing L-isoleucine thereof, a method for producing L-isoleucine, and a method for increasing production of L-isoleucine

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
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(11) Patent registration No and date ,
(21) Appl. No. BD-P-2024-198
(22) Filed: 24/06/2024

(23) Priority Data:
Italy, Number :2023000015648, Date : 26-07-2023.

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(74) Agent : REMFRY & SON LIMITED, {app_representative_address}, Bangladesh

(51) INT. CL. : D04B 9/40

(54) Invention Title: METHOD AND APPARATUS FOR CLOSING A TUBULAR KNITTED ARTICLE AT ONE OF ITS AXIAL ENDS, AT THE END OF ITS PRODUCTION CYCLE ON A CIRCULAR KNITTING MACHINE FOR HOSIERY OR THE LIKE

(57) Abstract

A method for closing a tubular knitted article (101) at one of its axial ends, at the end of its production cycle on a circular knitting machine for hosiery or the like, characterized in that it comprises an initial step of: – producing the article (101) up to the formation of the last row of knitting, at the axial end of the article that lies opposite the axial end at which knitting began, by retaining the loops of knitting of the last row of knitting in the head of the needles of the machine that formed them; and the following steps of: – individually picking up the loops of knitting by means of pick-up members (11); – removing the article (101) from the machine that produced it, retaining each loop of knitting of the last formed row of knitting by means of the pick-up members (11); – positioning the article (101) at a sewing or looping station; – the individual passage of the loops of knitting from the pick-up members (11) to spikes (4) of an annular handling device (60) composed of two semi-annular elements (3a, 3b) one of which can be overturned with respect to the other about a diametrical axis (202), at least one first group of spikes (4) having, along its longitudinal extension (102), at least one retention portion (5) which extends transversely with respect to the axis of longitudinal extension (102) of the spike (4), the individual passage step comprising a step of translating the corresponding loop of knitting from the pick-up members (11) at least to the corresponding retention portion (5) of the respective spike (4) of the at least one first group of the spikes; – turning the article (101) retained by the handling device (60); – superimposing each of the loops of knitting of one half-row of knitting on a corresponding loop of knitting of the other half-row of the last row of knitting on a same spike (4) of the handling device (60) by means of the overturning, through an arc of substantially 180° about the diametrical axis (202), of one of the two semi-annular elements (3b) of the handling device (60) with respect to the other semi-annular element (3a), – sewing or looping the mutually overlapping pairs of loops of knitting; – disengaging the article (101) from the handling device (60).

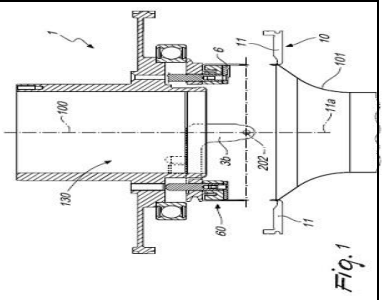

Fig. 1

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(11) Patent registration No and date ,
(21) Appl. No. BD-P-2024-199
(22) Filed: 24/06/2024

(23) Priority Data:
Italy, Number :2023000015651, Date : 26-07-2023.

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(74) Agent : REMFRY & SON LIMITED, {app_representative_address}, Bangladesh

(51) INT. CL. : D04B 9/40

(54) Invention Title: METHOD AND APPARATUS FOR CLOSING A TUBULAR KNITTED ARTICLE AT ONE OF ITS AXIAL ENDS, AT THE END OF ITS PRODUCTION CYCLE ON A CIRCULAR KNITTING MACHINE FOR HOSIERY OR THE LIKE

(57) Abstract

A method for closing a tubular knitted article (20) at one of its axial ends (20a), at the end of its production cycle on a circular knitting machine (10) for hosiery or the like, comprising an initial step of producing the article (20) up to the formation of the last row of knitting, at the axial end (20a) of the article (20) that lies opposite to the axial end at which knitting began, retaining the loops of knitting of the last row of knitting in the head of the needles (12) of the machine (10) that formed them, characterized in that it comprises the following additional operating steps of: – translating the loops of knitting, previously retained in the head of the corresponding needle, along the stem (12) of the needle until they are brought below the corresponding latch (12b) in the "unloaded" position; – positioning coaxially to the needle cylinder (11) an annular handling device (2) provided with pick-up spikes (4) which extend parallel to the needles (12) and so as to correspond to them, at least one first group of the pick-up spikes (4) having, along its longitudinal extension (102), at least one retention portion (5) which extends transversely with respect to the axis of longitudinal extension (102) of the pick-up spike (4), the handling device (2) comprising two semi-annular elements (3a, 3b), one of which (3b) can be overturned with respect to the other (3a) about a diametrical axis (202); – translating, by means of pushers (30), the loops of knitting from the "unloaded" position toward the respective pick-up spike (4) of the handling device (2), the pushers (30) arranged at the pick-up spikes of the first group of spikes translating the corresponding loop of knitting at least to the retention portion (5) of the spikes of the first group; – disengaging the pushers (30) from the loops of knitting; – positioning the article (20) retained by the retention portions (5) of the handling device (2) at a sewing or looping station (200); – turning the article (20) retained by the handling device (2); – superimposing each of the loops of knitting of a half-row of knitting on a corresponding loop of knitting of the other half-row of the last row of knitting on a same pick-up spike (4) of the handling device (2) by means of the overturning, through an arc of substantially 180° around the diametrical axis (202), of one of the two semi-annular elements (3b) of the handling device (2) with respect to the other semi-annular element (3a); – sewing or looping the pairs of mutually superimposed loops of knitting; □ disengaging the article (20) from the handling device (2).

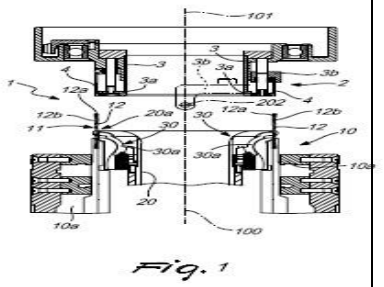

Fig. 1

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
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Publication No: 28 & Date: 7 January 2026

(11) Patent registration No and date ,
(21) Appl. No. BD-P-2024-200
(22) Filed: 24/06/2024

(23) Priority Data:
United States of America, Number :18343087, Date : 28-06-2023.

(71) Applicant: PHARMAZZ, INC. of 50 West 75th Street - Suite 105 Willowbrook, Illinois 60527, Nationality - United States of America

(72) Inventors: (1) LAVHALE, Manish S. of C-366, Paramount Golfforeste, Plot # BGH-A Site-C (Housing Extension), Sector-Zeta, Greater Noida, Uttar Pradesh, 201307, India Nationality -India, (2) GULATI, Dr. Anil of 608 Fawell Court Naperville, Illinois 60565, United States of America Nationality -United States of America

(74) Agent : Shahid & Alliance, {app_representative_address}, Bangladesh

(51) INT. CL. : A61Q 13/00

(54) Invention Title: LYOPHILIZED SOVATELTIDE-BASED INJECTABLE FORMULATION AND A PROCESS FOR PREPARATION

(57) Abstract

A lyophilized Sovateltide-based injectable formulation, comprising sovateltide in the range from about 0.01 to about 0.02% w/w, trisodium citrate dihydrate is present in the range of from about 20 to about 80% w/w and mannitol is present in the range of from about 20 to about 80% w/w. A reconstituted liquid composition comprising sovateltide; trisodium citrate; mannitol and water or 0.9% aqueous sodium chloride solution and process for the preparation of a lyophilized pharmaceutical composition of sovateltide comprising: dissolving sovateltide, trisodium citrate dihydrate and mannitol in water for injection; filter the solution through 0.2µ membrane filter; fill the individual vials up to the target fill volume; and lyophilization of the filled vials.

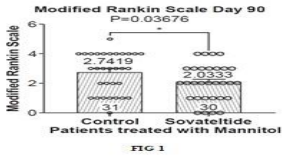

FIG 1

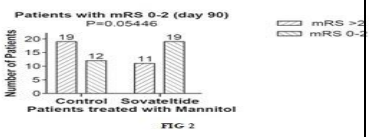

FIG 2

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
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Publication No: 28 & Date: 7 January 2026

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(22) Filed: 26/06/2024

(23) Priority Data:
United States of America, Number :63515441, Date : 25-07-2023.

(71) Applicant: Nokia Technologies Oy of Karakaari 7, 02610 Espoo, Nationality -Finland

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(74) Agent : REMFRY & SON LIMITED, {app_representative_address}, Bangladesh

(51) INT. CL. : H04L 67/568

(54) Invention Title: ENHANCEMENT ON SIDELINK POSITIONING

(57) Abstract

Embodiments of the present disclosure relate to apparatuses, methods, and computer readable storage mediaformonitoring performance of channel classification.A first apparatustransmits a discovery request for device discovery via sidelink communication. The first apparatus receives, from at least one candidate device, at least one respective discovery response comprising a location information status of a corresponding one of the at least one candidate device. The first apparatus transmits a candidate device list with the location information status to a second apparatus for localizing the first apparatus. In this way, both a target user equipment and a located user equipmentwith expired location can be efficiently localized without degradation in an achievable localization accuracy.

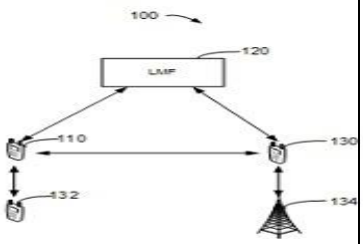

FIG. 1

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Publication No: 28 & Date: 7 January 2026

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(21) Appl. No. BD-P-2024-202
(22) Filed: 27/06/2024

(23) Priority Data:
India, Number :202421009327, Date : 12-02-2024.

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(74) Agent : ADVANCED IP LAW FIRM, {app_representative_address}, Bangladesh

(51) INT. CL. : A61Q 5/04

(54) Invention Title: CROSS LINKING OF THIOLS USING TWO CARBON-SULPHUR BONDS WITH A SPACER FOR HAIR STRAIGHTENING

(57) Abstract

The current invention describes novel multi-functionalised active agent of Structure I FG- R-FG' (I) wherein, FG and FG' are capable of covalently binding two adjacent free thiols present in keratin for permanent straightening of hair and R is a spacer molecule. Further, the invention covers a composition containing the active agent, a reducing agent and atleast one cosmetically acceptable excipient. Furthermore, the invention provides a single-step and two-step process for permanent straightening of hair comprising application of a composition containing a reducing agent followed by the application of second composition containing the active agent of structure I. Moreover, the invention provides a single-pack composition containing the active agent and reducing agent and a two-pack composition containing the active agent and reducing agent.

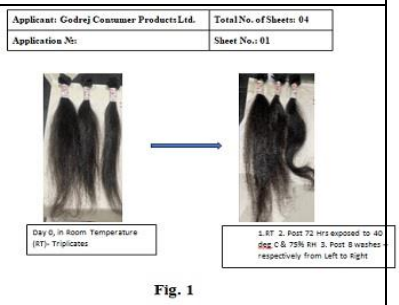

Fig. 1