



Australian Government

IP Australia

AUSTRALIAN OFFICIAL JOURNAL

OF

PATENTS

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General Information

*For Information on the following please see our website www.ipaustralia.gov.au
or contact our Customer Service Network on 1300651010*

Editorial enquiries

Contact information

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Professional Standards Board

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Country Codes

Trade Mark and Designs Hearing Sessions

INID (Internationally agreed Numbers for the Identification of Data)

GUIDE TO THE USE OF THIS JOURNAL

The Australian Official Journal of Patents (AOJP) reports all major events and actions which take place during the life cycle of an Australian patent and provides certain details of these actions as they relate to the patent or patent application involved. This guide sets out to teach the reader how to use the journal to access this information.

While there are many possible actions in the life of a patent, the majority of actions reported relate to the following events, which are the main stages in the progression of a patent application to a granted patent:

(i) FILING -

This is the act of making an application. When the application is first filed certain details are published.

(ii) OPEN-TO-PUBLIC-INSPECTION (OPI) -

Approximately 18 months after first filing of an Australian or a corresponding foreign application, certain application documents, including the complete specification, become available to the public (Open-to-Public-Inspection or "OPI"). Relevant application details are published.

(iii) ACCEPTANCE –

This is the Commissioner's acceptance of a patent application. Once the Commissioner has accepted a patent application, certain details of the application are published in the AOJP. Notice of opposition may be filed within three months of advertisement of acceptance.

(iv) OPPOSITION –

If an opposition action is commenced against the grant of the patent, the application number and the name of the opponent are published. If the opposition is to the Certification of an Innovation Patent, the patent number and the name of the opponent are published.

(v) GRANTING –

Most accepted applications are not opposed. These proceed to grant and become granted patents. Of the few that are opposed (less than 1%) most of these, after resolution of the opposition, proceed to grant and become granted patents. Granted patents are simply listed in order of their patent number.

(vi) CERTIFICATION

This is the Commissioner's Certification after passing examination of a previously granted unexamined Innovation Patent.

In addition to the actions related to these stages, other actions reported include: assignments, lapsing or withdrawal of applications and ceasing or expiry of patents, voluntary amendments, extensions of time for certain actions and registration of licences.

How To Identify Information Using "INID" Numbers

Patents are published in many different countries and in many different languages. As a result, finding the information that you want (eg the filing date) on a patent document or in a journal can be quite difficult. There is an international system operating, which codifies this information in an unambiguous way, by assigning a specific number to each piece of information about the history of a patent. These numbers are called the **Internationally agreed Numbers for the Identification of Data** or INID numbers.

These numbers appear on all published patents and abstracts and are used throughout this journal to identify particular items of information. For example, the date on which a document is filed has the INID number (22), while the name of the applicant has the INID number of (71). These numbers are always expressed in parentheses and always immediately precede the information to which they relate. For example:

(22) 12.10.91

means that the filing date of the document which contains this reference is 12 October 1991. Learning the INID numbers for the information you want will help you find it quickly and easily. A complete list of the INID numbers and the items to which they relate is provided at the end of this Guide.

How Australian Patent Documents are Numbered

When searching information or ordering documents it is vital that you understand the numbering system.

Document Numbering in the **Australian Official Journal of Patents from 10th March 2018** All

patents, patent applications and provisional applications are assigned a "10" digit number.

- The first 4 digits identify the year of filing; and
- The fifth digit identifies the type of patent. Numerals; "0", "2", or "3" are allocated to standard complete applications and patents (including petty patents); "1" is allocated to innovation applications and patents; and "9" is allocated to provisional applications.

See Examples:

2011236254 and 2000023658 (Standard Complete)

2011158589 (Innovation Complete)

2011902365 (Provisional)

NOTE: Please refer to previous journal publications for numbering formats used prior to 10th March 2018.

Different prefixes will be associated to the application/patent at different stages of its life. This prefix indicates whether the application has been accepted.

A document corresponding to an unaccepted application has the prefix, AU-A; eg AU-A-2002200234. A document corresponding to an accepted application carries the prefix AU-B; eg AU-B-2002200234.

Users need to be aware that an accepted document may differ from the corresponding unaccepted document. This is because amendment may occur between first publication (OPI) and second publication (acceptance).

NOTE: When ordering any patent document from us, whether accepted or not, please quote the application/patent number preceded by the appropriate prefix.

Arrangement of Information in the Journal

For each of the categories

(i) Provisional Applications Filed, (ii)

Complete Applications Filed, (iii)

Applications Open to Public Inspection

(iv) Applications Accepted, and (v)

Innovation Patent Certified.

The Journal lists the information published in that category in an alphabetical Name Index list based on the name of the applicant. These indices are useful if you wish to find information about applications made by a particular applicant.

In addition to the Name Index there is provided, for each of these categories, a Numerical Index. This index lists the applications either in order of their Application Numbers, in the case of complete applications filed and applications OPI, or in order of their Document Number in the case of accepted applications. It provides, for each number, the name of the applicant. These indices are useful if you wish to track the progress of a particular patent application.

There are also IPC Indices provided for applications which are OPI and for applications which have been accepted. IPC stands for International Patent Classification. Each IPC "mark" is an alpha-numerical representation of a particular area of technology. These indices are in order of IPC mark, and within each mark provide either the application numbers of the application which are now OPI or the numbers of the cases now accepted. These indices are useful if you wish to check on patent activity in a particular technology.

Using the Indices To Find Patent Information if You Know the Name of the Applicant.

Use the Name Indices. They will give you the following information identified by their INID number:

<u>ITEM</u>	<u>INID</u> <u>No.</u>	<u>ITEM</u>	<u>INID</u> <u>No.</u>
A) Provisional applications filed - Name Index		B) Complete application filed - Name Index	
The <u>name</u> of the applicant	(71)	The <u>name</u> of the applicant	(71)
The Provisional application <u>number</u>	(21)	The <u>number</u> assigned to the application	(21)
The <u>date</u> of filing	(22)	The <u>date</u> of filing	(22)
The <u>title</u> of the invention	(54)	<u>Title</u> of the invention	(54)
		<u>Number</u> of priority document(s) if any	(31)
		<u>Date(s)</u> of filing of priority documents	(32)
		<u>Country</u> of which priority documents filed	(33)
		PCT application <u>number</u>	(86)

<u>ITEM</u>	<u>INID</u> <u>No.</u>	<u>ITEM</u>	<u>INID</u> <u>No.</u>
C) Applications open to public inspection Name Index		D) Applications accepted - Name Index	
The <u>name</u> of the applicant	(71)	The <u>name</u> of the applicant	(71)
The <u>number</u> of the document	(11)	The <u>number</u> of the document	(11)
The <u>number</u> assigned to the application	(21)	The <u>number</u> of the accepted document	(10)
The <u>date</u> of filing	(22)	The <u>number</u> assigned to the application	(21)
The <u>title</u>	(54)	The <u>date</u> of filing	(22)
The <u>classification marks</u>	(51)	The <u>title</u>	(54)
Priority document <u>number(s)</u>	(31)	The <u>classification marks</u>	(51)
<u>Date</u> of filing of priority document(s)	(32)	PCT publication <u>number</u>	(87)
<u>Country</u> in which priority document filed	(33)	Priority document <u>number</u>	(31)
Publication <u>date</u> of unexamined document	(43)	<u>Date</u> of filing of priority document(s)	(32)
Inventors names if known	(72)	<u>Country</u> in which priority document filed	(33)
<u>Patent Attorneys</u>	(74)	Publication <u>date</u> of unexamined document	(43)

<u>ITEM</u>	<u>INID</u> <u>No.</u>
E) Patents Certified – Name Index	
The <u>name</u> of the applicant	(71)
The <u>number</u> of the accepted document	(10)
The <u>number</u> assigned to the application	(21)
The <u>date</u> of filing	(22)
The <u>title</u>	(54)
The <u>classification marks</u>	(51)
Priority document <u>number</u>	(31)
<u>Date</u> of filing of priority document(s)	(32)
<u>Country</u> in which priority document filed	(33)
Publication <u>date</u> of granted patent	(45)
<u>Inventors names</u>	(72)
<u>Patent Attorneys</u>	(74)
Related by division	(62)

You will notice at each stage of following application through that all applications are in alphabetical order of **Applicant**, not inventor.

1. To Find Information About a Patent Application if You Know its Number.

Use the appropriate numerical index. This will give you the name of the applicant from the number. You will then need to use the appropriate Name Index as above to find out other information about the Patent Application you are interested in.

The following Numerical Indices are available:

- A) **Provisional** Applications filed.
- B) **Complete** Applications filed.
- C) Innovation Applications filed.
- D) Applications **Open to Public Inspection**.
- E) Applications **Accepted**.
- F) Innovation Patent Certified

3. To Find Information About Patent Documents in the Area of Technology in which You are Interested if You Know the International Patent Classification Mark for that Area.

All patent applications are classified according to their subject matter using the International Patent Classification (IPC). Although the system is very detailed and covers all technologies, knowledge of the IPC marks of the technologies you are interested in will allow you to find patent documents in these technologies quite easily. To identify the IPC marks of technologies you are interested in, you can inspect relevant documentation in any of AIPO's state offices.

The indices to use are

- A) Applications **OPI** - IPC Index
- B) Applications **accepted** - IPC Index.

These indices give you the numbers of the applications which are either OPI or Accepted and are listed in order of their IPC marks.

Once you have the numbers of the documents that interest you, consult the relevant Number Index (see 2. above) to find the applicant's name, and then the Name Index (see 1. above) to find out the details of that application.

'INID' NUMBERS in use on Australian Patent Documents

'INID' is an acronym for 'Internationally agreed Numbers for the Identification of Data'.

(10) Document identification

- (11) Number of the document
- (12) Plain language designation of the kind of document
- (19) WIPO country code, or other identification, of the country publishing the document.

(20) Document filing data

- (21) Number(s) assigned to the application(s).
- (22) Date(s) of filing application(s)
- (23) Other date(s) of filing, including exhibition filing date and date of filing complete specification following provisional specification.
- (24) Date from which industrial property rights may have effect.

(30) Priority data

- (31) Number(s) assigned to priority application(s)
- (32) Date(s) of filing priority application(s)
- (33) Country (countries) in which the priority application(s) was (were) filed.

(40) Date(s) of making available to the public

- (43) Date of publication by printing or similar process of an unexamined document, on which no grant has taken place on or before the said date.

- (43) Date of publication by printing or similar process of an examined document, on which no grant has taken place on or before the said date.
- (44) Date of publication by printing or similar process of a document, on which grant, or certification has taken place on or before the said date.

(50) Technical Information

- (51) International Patent Classification
- (52) Domestic or national classification
- (54) Title of invention
- (56) List of prior art documents, if separate from descriptive text
- (57) Abstract or claim

(60) Reference(s) to other legally related domestic document(s)

- (60) Related by cognate(s).
- (61) Related by addition(s).
- (62) Related by division(s).

(70) Identification of parties concerned with the document

- (71) Name(s) of applicant(s)
- (72) Name(s) of inventor(s) if known to be such
- (74) Name(s) of attorney(s) or agent(s)
- (75) Name(s) of inventor(s) who is (are) also applicant(s)

(80) Identification of data related to International Conventions other than the Paris Convention

- (86) PCT Application Number
- (87) PCT Publication Number

NOTE

- (1) Australian patent documents published on or after 26 October 1978 should be referred to by the application number preceded by the prefix AU-A or AU-B.

AU-A = Pre-examination

AU-B = Post-examination

- (2) The classification used is the International Patent Classification and is identified by the INID code (51). Further editions of the classification are identified as (51)₂, (51)₃, (51)₄ and (51)₅.
- (3) INID code 74 provides for the name of the patent attorney, or firm of attorneys, prosecuting an application.
- (4) There is a gap in volume numbering of the Australian Official Journal of Patents. The volumes are:
- 1987-2022 Volume 1 - 36
 - 2023 - Volume 57 -

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

Seqirus Inc. v ModernaTX, Inc. [2025] APO 15

Patent Application:	2015249553
Title:	Nucleic Acid Vaccines
Patent Applicant:	ModernaTX, Inc.
Opponent:	Seqirus Inc.
Delegate:	Damian Triffett
Decision Date:	23 May 2025
Hearing Date:	3 April 2024, by Video Conference
Catchwords:	PATENTS – section 59 opposition to the grant of a patent – a lipid nanoparticle mRNA vaccine – grounds of lack of novelty, inventive step, clear enough and complete enough disclosure, support and utility – opposition successful – claims lack inventive step in view of D1 – description is not clear and complete enough with respect to all cationic lipids – claims not supported with respect to all cationic lipids – grounds of novelty and utility not established – opportunity to amend – costs awarded against applicant
Representation:	Counsel for the applicant: Mr Christian Dimitriadis Patent attorney for the applicant: Dr Vaughan Barlow from RnB IP, Mr Robert Finzi from RnB IP Patent attorney for the opponent: Dr Declan McKeveney from FB Rice, Dr Patrick McManamny from FB Rice

Proceedings under the Patents Act 1990

Provisional Applications Filed

Name Index

Applications listed below were processed through the Patent Office Canberra during the period ending 20 May 2025 .

(71) Abbasrafi, A. (21) 2025901978 (22) 22.05.2025 (54) Intelligent Urban Routing Framework for Autonomous Vehicles	version-controlled database, semantic parsing, a hybrid rule engine, and an explainable report linking flagged issues to legal references.	(71) Bunnings Group Limited (21) 2025902053 (22) 26.05.2025 (54) Label Holder for Display Hook
(71) AERL HOLDINGS PTY. LTD. (21) 2025902025 (22) 24.05.2025 (54) Dual-Input Inverter System for Disparate Battery Chemistries	(71) Ayonz Pty Limited (21) 2025902018 (22) 23.05.2025 (54) Wheeled packaging box, particularly for TVs	(71) Carlos Eduardo Costa Chagas dos Santos (21) 2025902005 (22) 23.05.2025 (54) System and Method for Embedding UV-Detectable Tracer Materials into Fragmentable Bulk Matter for Post-Blast Identification and Source Attribution
(71) Amala Innovation Group Pty Ltd (21) 2025901953 (22) 21.05.2025 (54) Remote Treatment Unit (RTU) for Secure Controlled Access, Dispensing, and Chain-of-Custody Management	(71) Beshay, J. (21) 2025901991 (22) 23.05.2025 (54) System and Method for Coordinated Trade Services Using AI-Based Classification, Trust-Weighted Matching, Escrow-Controlled Payments, and Automated Contingency Handling.	Casey, T. see Doran, P. (21) 2025902065
(71) Anderson, R. (21) 2025902004 (22) 23.05.2025 (54) Accidental Internment Alerting System	(71) Bishop, R. (21) 2025901958 (22) 21.05.2025 (54) Ultrasonic Electrophysiological mapping of the CNS	(71) Ceva Animal Health Pty Ltd (21) 2025902055 (22) 26.05.2025 (54) Treatment for Mares
(71) ANDONAH PTY LIMITED (21) 2025902033 (22) 25.05.2025 (54) KIDS PLANT-BASED STYLING POWDER	(71) bland, D. (21) 2025901950 (22) 21.05.2025 (54) Tungsten Core™ Hybrid Series – Eco-Safe Hybrid Tungsten-Stainless Steel Cast Net Weights	(71) Cho, J. (21) 2025902030 (22) 25.05.2025 (54) Automated Microgreens Packaging System
Australian Eggs Limited see The University of Melbourne (21) 2025901983	(71) bland, D. (21) 2025902061 (22) 27.05.2025 (54) Universal Tungsten Core Modular Weight System – Hybrid A Format	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2025901969 (22) 21.05.2025 (54) CONTINUOUSLY SELF CALIBRATING RADIO FREQUENCY RECEIVER
(71) Ayers, L. (21) 2025902036 (22) 25.05.2025 (54) The invention is an AI-driven system for automatically assessing advertising and marketing content compliance with legal, regulatory, and industry standards. It uses NLP, a dynamic legal knowledge base, hybrid rule-based and ML models, and a multi-factor risk scoring framework. The system delivers explainable, cross-jurisdictional assessments, reducing manual effort and regulatory risk. Innovations include a	(71) Brilliant Electrical Pty Ltd (21) 2025901985 (22) 22.05.2025 (54) Transformable Rigid-Flexible Structure System for Multi-Use Applications Including Equipment Protection, Recreational Watercraft, Sun Shade, Emergency Shelter, and Space Habitat Modules	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2025902022 (22) 23.05.2025 (54) Attenuation of fluid constituent
		(71) Cowan, H. (21) 2025901999 (22) 23.05.2025 (54) "System for emotional integration through symbolic prompts, sensory elixirs, and somatic ritual engagement. Supports self-regulation and internal processing without therapeutic intervention

Provisional Applications Filed - Name Index cont'd

Crago, C. see Knighton, C. (21) 2025902020	(71) FUTURE FISHING LIMITED (21) 2025901997 (22) 23.05.2025 (54) FISH RELEASE DEVICE	Jiangsu Normal University see The University of Melbourne (21) 2025901954
(71) Curtin University of Technology (21) 2025901989 (22) 22.05.2025 (54) Method for Preventing Neurodegenerative Diseases	(71) Gay, N. (21) 2025902074 (22) 27.05.2025 (54) Bicycle Anti-Theft System with Removable Pedal Adapter	(71) Jones, L. (21) 2025901995 (22) 23.05.2025 (54) An appliance called 'Brushbox' to assist art teachers to clean brushes and paint equipment.
(71) Davidson, N. (21) 2025901961 (22) 21.05.2025 (54) Assemblable Body for a Child's Cycle Vehicle	(71) Good Water Energy Ltd (21) 2025902015 (22) 23.05.2025 (54) LOW CARBON FUEL PRODUCTION FROM AIR USING GEOTHERMAL HEAT	(71) JWM Group Pty Ltd (21) 2025901996 (22) 23.05.2025 (54) RoadTrain - The mobile and transportable environment for workplace training.
(71) DISTRICT NORTH KITCHEN PTY LTD (21) 2025901951 (22) 21.05.2025 (54) Schnitty Snack Pack, SSP, Schnitty Snack Pack, Schnitty Snack Pack	(71) Gordon, G. (21) 2025901968 (22) 21.05.2025 (54) Passive Biometric Alcohol Detection System for Micromobility Devices	(71) Kaefer Integrated Services Pty Ltd (21) 2025902031 (22) 25.05.2025 (54) AIR CONDITIONING
(71) dohererty, m. (21) 2025902059 (22) 26.05.2025 (54) Collated screw with washers already inserted into the plastic collated strip and be able to use with collated screw gun with all main stream brands in the trade to facilitate sagging ceiling due to glue	(71) Grady, S. (21) 2025901974 (22) 21.05.2025 (54) kids medicine cups colour sensory	(71) Kaefer Integrated Services Pty Ltd (21) 2025902032 (22) 25.05.2025 (54) THERMAL INSULATION
(71) Doran, P.; Casey, T. (21) 2025902065 (22) 27.05.2025 (54) COMBINATION BALCONY OUTLET AND DOWNPIPE END CONNECTOR	(71) Groen-O'Connor, A.O. (21) 2025902068 (22) 27.05.2025 (54) Modular Biodegradable Floating Reed-Based Water Filtration and Environmental Remediation System	(71) KC8 CAPTURE TECHNOLOGIES LTD (21) 2025901955 (22) 21.05.2025 (54) A PROCESS AND PLANT
(71) Dr Vaidyanathan Balasubramaniam AKA Dr Vaidya Balu (21) 2025902038 (22) 26.05.2025 (54) Developed an algorithm Life expectancy calculator for patients with Cerebral Palsy	HIVE CREATIVE PTY. LTD. see Murphy, W. (21) 2025902028	(71) KC8 CAPTURE TECHNOLOGIES LTD (21) 2025901957 (22) 21.05.2025 (54) A PROCESS AND PLANT
(71) Elrashidy, M. (21) 2025902026 (22) 24.05.2025 (54) Cordless Handheld Food Cutter with a fully enclosed rotating tri-blade cutting assembly for Bone, big fish, Meat Cutting, vegetables,...etc.	(71) Huckleberry Creative Pty Ltd (21) 2025901998 (22) 23.05.2025 (54) LOADED PALLET CARGO ANCHOR DEVICE	(71) Knighton, C.; Crago, C. (21) 2025902020 (22) 23.05.2025 (54) LullaBump - Infant Sleep-Aiding Pram Attachment
(71) Erickson, J. (21) 2025901947 (22) 21.05.2025 (54) Weighted Plush Toy with Biometric Sensors for Autism Therapy	(71) iDesign Group Pty Ltd (21) 2025901964 (22) 21.05.2025 (54) The design is a mechanism for cable management, cable retraction, product security for live electrical products within a retail product display in a retail store. The system allows for display products to be powered, live and enables them to be interacted with by the consumer. This by allowing the extending and retracting of their power cables that are hidden within the display bench or counter display using the designed system. When products are pulled out/lifted/interacted with as they would be in the consumers home environment the power cable can extend a certain distance, then a stopper	(71) Ko, S. (21) 2025901984 (22) 22.05.2025 (54) Combination therapies for treating cancer and methods of preparing products for use therein
(71) Faiz, S. (21) 2025902035 (22) 25.05.2025 (54) System and method for enforcing uneditable single and dual-camera video capture with built in authenticity controls.	(71) IPBB Pty Ltd (21) 2025901943 (22) 20.05.2025 (54) Portable Refuge	(71) Kode Biotech Limited (21) 2025902000 (22) 23.05.2025 (54) Immunotherapy
		(71) Laibuy Pty Ltd (21) 2025902012 (22) 23.05.2025 (54) Autonomous Purchase Optimisation System (APOS) with Dynamic Payment Instrument Generation for Integrated Purchase Opportunity Identification and Merchant Integration for Financial Obligation Settlements
		(71) Lee, K. (21) 2025902037 (22) 26.05.2025 (54) This next-generation smart coffee grinder is designed for enthusiasts, pro-

Provisional Applications Filed - Name Index cont'd

professionals, and tech-savvy brewers. Unlike any grinder currently on the market, it allows real-time, programmable adjustments of both grind size and burr speed within a single grind cycle. Users can set up precision grind profiles, save them, and share them with other coffee lovers. This grinder introduces a new standard in customisation, consistency, and community.

(71) leopard ucerti pty ltd
(21) 2025902042 (22) 26.05.2025
(54) A Method of Manufacturing Cu-Coated Silver Nanowires for stretchable RFID Verification Applications

(71) leopard ucerti pty ltd
(21) 2025902047 (22) 26.05.2025
(54) The invention provides a lightweight, two-stage framework for watermark removal from document images, designed to operate efficiently in resource-constrained environments. In the first stage, an optimised YOLOv11-based object detection module identifies watermark regions with high precision using depthwise separable convolutions and Ghost modules to reduce computational overhead. In the second stage, a compressed Transformer-based image restoration module is applied to reconstruct watermark-free regions with minimal artefacts. The framework supports various watermark types including transparen

(71) Longhorn Inc.
(21) 2025902001 (22) 23.05.2025
(54) System and Interface for Integrated Live Video and Wagering Interaction

(71) Macdonald, J.
(21) 2025902064 (22) 27.05.2025
(54) Multi - Axis Marine and Aerial Energy Conversion Device

(71) Maks Products Pty Ltd
(21) 2025901975 (22) 22.05.2025
(54) Joining assembly

(71) Manuele, B.
(21) 2025901967 (22) 21.05.2025
(54) System and Method for Multi-Attribute Visualisation of Healthcare Actor Networks

(71) MARITIMO OFFSHORE PTY LTD
(21) 2025901988 (22) 22.05.2025
(54) SWIM PLATFORM SYSTEM

(71) MARP Therapeutics Pty Ltd
(21) 2025902045 (22) 26.05.2025
(54) DERMAL FORMULATION AND USE THEREOF

(71) McEachern, C.
(21) 2025901945 (22) 20.05.2025
(54) Systems and Methods for Blockchain-Anchored Ephemeral Key Management with Pre-Emptive Authority Delegation and Key Destruction

(71) Mesh Logic Pty Ltd
(21) 2025901962 (22) 21.05.2025
(54) MeshLogic: A Governed Reasoning Architecture for Enterprise AI Decision Management

(71) MIIoT and Energy Services Pty Ltd
(21) 2025902029 (22) 25.05.2025
(54) Method and System for Multi-Modal Recovery Therapy with AI-Driven Personalization and Authenticated Smart Franchise Deployment

(71) Miles, S.
(21) 2025901973 (22) 21.05.2025
(54) A Motor Vehicle Accessory

(71) MiTek Australia Ltd
(21) 2025901965 (22) 21.05.2025
(54) STRUCTURAL CONNECTOR

(71) MOHIDEEN, F.
(21) 2025901609 (22) 01.05.2025
(54) Automated drill core sample collection system

(71) MOHIDEEN, F.
(21) 2025902014 (22) 23.05.2025
(54) Social interaction facilitation system

(71) Monash University
(21) 2025902013 (22) 23.05.2025
(54) Field effect transistor sensor

(71) Mrs Toddy's Tonic Pty Ltd
(21) 2025902040 (22) 26.05.2025
(54) A functional beverage system

(71) Murphy, W.; HIVE CREATIVE PTY. LTD.
(21) 2025902028 (22) 24.05.2025
(54) DivotDeck: Golf training surface with flexible upright strike elements for simulating turf interaction

(71) Murphy, C.
(21) 2025902057 (22) 26.05.2025
(54) Smart Alcohol Detection System for Breastmilk with Direct-Application Test Strip and Personalised Clearance Feedback

(71) Murphy, C.
(21) 2025902063 (22) 27.05.2025
(54) Multi-Biomarker Breastmilk Analysis System for Real-Time and Point-of-Care Detection

(71) Murphy, W.
(21) 2025902077 (22) 27.05.2025
(54) DivotDeck Pro: Golf training surface with flexible upright strike elements and integrated real-time audio-visual feedback

(71) Nanochap Pty Ltd
(21) 2025902011 (22) 23.05.2025
(54) CALIBRATION SYSTEM AND METHOD FOR AN ELECTRICAL STIMULATOR

(71) NeelTeck Pty Ltd
(21) 2025902019 (22) 23.05.2025
(54) System for Enhanced Device Security and Application Management

(71) Nicholson Software PTY LTD
(21) 2025901987 (22) 22.05.2025
(54) SaaS platform centralising the organising and interactions of parties involved in live music events

(71) Number 8 Bio Holdings Pty Ltd
(21) 2025901963 (22) 21.05.2025
(54) HYDROGEN MITIGATION IN METHANE INHIBITED RUMINANTS

Olivia Newton-John Cancer Research Institute see The University of Melbourne
(21) 2025901959

(71) Orica International Pte Ltd
(21) 2025902008 (22) 23.05.2025
(54) ELECTRONIC DEVICE FOR BLASTING OPERATIONS

(71) Palmaya Pty Ltd
(21) 2025901970 (22) 21.05.2025
(54) IMPLANTS FOR THE PROLONGED RELEASE OF ACTIVE AGENTS

(71) Palmaya Pty Ltd
(21) 2025901971 (22) 21.05.2025
(54) An Implantable Form of Penicillin

Provisional Applications Filed - Name Index cont'd

(71) Patent Lewis Pty Ltd
(21) 2025901948 (22) 21.05.2025
(54) AN ACCESSORY FOR A POWER TOOL

(71) Peters, M.
(21) 2025901992 (22) 23.05.2025
(54) The Codex-God1™ system autonomously generates sovereign-authored inventions across all IP domains, producing over 193 quintillion simulation-threaded outputs through 933 trillion Codex-class clones. Each invention is reflex-authored, biometrically bound to Michael Phillip Peters, and secured by VaultX Tier-9 encryption. The system operates at sub-Planck speed, enabling multiversal legal enforcement, real-time patent generation, and causal-certainty IP protection.

(71) Piper, R.
(21) 2025902078 (22) 27.05.2025
(54) System and Method for Real-Time Emotional Reaction Tracking and Content Synchronization

(71) Powertech Pty Ltd
(21) 2025901994 (22) 23.05.2025
(54) Rapid-deployable photovoltaic arrangement

(71) Pragmatic Strategy Solutions
(21) 2025901981 (22) 22.05.2025
(54) Synergistic Electrolyte System for Ultra-Fast Charging and Long-Life Lithium-Ion Batteries

(71) Prelect Devices Pty Ltd
(21) 2025902048 (22) 26.05.2025
(54) A SYSTEM FOR MONITORING INTRAVENOUS INFILTRATION AND EXTRAVASATION

(71) Qenergy Solutions (Aust) Pty Ltd
(21) 2025901949 (22) 21.05.2025
(54) Stand alone power system and components therefor

(71) QLD MADE PTY LTD
(21) 2025902050 (22) 26.05.2025
(54) Juxtaposition Authentication Article

(71) QLedger
(21) 2025902027 (22) 24.05.2025
(54) A system and method for scanning, storing, and linking supplier QR or barcode data (such as Bunnings Power-Pass) to quotes and invoices, enabling users to auto-fill trade account information and streamline job documentation workflows. Capturing and Integrating Supplier QR Code Data into

Quotes and Invoices via a Mobile or Web-Based Application

(71) RESMED PTY LTD
(21) 2025901993 (22) 23.05.2025
(54) EARPIECE COMPONENT FOR POSITIONING AND STABILISING STRUCTURE

(71) Riekwar, M.S.
(21) 2025901990 (22) 22.05.2025
(54) System and Method for Regenerative Role Alignment using the Natural Intelligence Scroll Codex and Archetypal Life Mapping Framework

(71) Royal Melbourne Institute of Technology
(21) 2025901956 (22) 21.05.2025
(54) Method of reducing iron oxide

(71) Saluda Medical Pty Limited
(21) 2025902006 (22) 23.05.2025
(54) Methods and devices for supervision of closed-loop neural stimulation therapy

(71) Saluda Medical Pty Limited
(21) 2025902007 (22) 23.05.2025
(54) Methods and devices for supervision of closed-loop neural stimulation therapy

(71) Select Water Tanks Pty Ltd
(21) 2025901952 (22) 21.05.2025
(54) A Tank Assembly

(71) Sharman, J.
(21) 2025902023 (22) 23.05.2025
(54) A craniotome tool designed for the completion of neurosurgery in a microgravity environment during long-duration manned spaceflight.

(71) Slater, I.
(21) 2025901966 (22) 21.05.2025
(54) Process for Holistic Automatic Cytometry Data Overview and Analysis

(71) Small, M.
(21) 2025902066 (22) 27.05.2025
(54) Catalyst App, app for providers to submit incident reports, have them reviewed and have the data analysed

(71) smartworkerstyltd
(21) 2025902009 (22) 23.05.2025
(54) SmartWorkers is a mobile application integrating five key features: a triple-layer interactive map of tenders, jobs, and marketplace listings with embedded media and metadata; a user-generated video monetization platform

with educational credentialing and portfolio/resume building; an AI engine matching workers to jobs based on location, skill tags, and endorsements; a smart inbox for field workers, providing voice reminders, defect tracking, and calendar integration; and a dynamic reputation and revenue-sharing system unlocking advanced monetization tiers and an ad-free experience.

(71) Smith, M.
(21) 2025902039 (22) 26.05.2025
(54) DATA COMMUNICATIONS NETWORK AND METHOD FOR SENSING ELECTRIC/ELECTROMAGNETIC FIELDS OR SIGNALS

(71) Southern Green Gas Limited
(21) 2025902073 (22) 27.05.2025
(54) Carbonated Drink Dispenser

(71) spenna pty ltd
(21) 2025902024 (22) 23.05.2025
(54) Automated System for Real-Time Civil Construction Productivity, Safety, and Environmental Risk Analytics Using advanced sensors and AI

(71) Stay Loyal Pty Limited
(21) 2025902021 (22) 23.05.2025
(54) Pet Food

Stewart, C. see Stewart, M.
(21) 2025901977

(71) Stewart, M.; Stewart, C.
(21) 2025901977 (22) 22.05.2025
(54) Multifunction tool

(71) Technological Resources Pty. Limited
(21) 2025902044 (22) 26.05.2025
(54) METHOD AND APPARATUS FOR PROCESSING MATERIAL USING MICROWAVES

(71) terranova, y.
(21) 2025902003 (22) 23.05.2025
(54) 2-in-1 Hairbrush with Built-in Serum Dispenser

(71) Tesoriero, C.
(21) 2025902067 (22) 27.05.2025
(54) SnapTag - a silicone slide/clip on tag that attaches to goggles. Silicone outer with inner that can be personalised or a QR code added.

(71) Testacort Pty Ltd
(21) 2025902017 (22) 23.05.2025
(54) METHOD FOR DETECTING STRESS

Provisional Applications Filed - Name Index cont'd

(71) The University of Adelaide; The University of Queensland
(21) 2025901941 (22) 20.05.2025
(54) Adjuvants and uses thereof

(71) The University of Melbourne; Jiangsu Normal University
(21) 2025901954 (22) 21.05.2025
(54) Process for recovering metal compounds

(71) The University of Melbourne; Olivia Newton-John Cancer Research Institute
(21) 2025901959 (22) 21.05.2025
(54) Treatment for cancer

(71) The University of Melbourne; Australian Eggs Limited
(21) 2025901983 (22) 22.05.2025
(54) Gender and fertilisation status determination of eggs

(71) The University of Newcastle
(21) 2025902002 (22) 23.05.2025
(54) COMPOSITIONS AND METHODS FOR THE TREATMENT OF OESOPHAGEAL DISORDERS

(71) The University of Newcastle
(21) 2025902016 (22) 23.05.2025
(54) Polymer-hydrogel sheets and processes for preparing same

The University of Queensland see The University of Adelaide
(21) 2025901941

(71) ThromBio Holdings Pty Ltd
(21) 2025901976 (22) 22.05.2025
(54) Microvascular injury

(71) UniQuest Pty Limited
(21) 2025901986 (22) 22.05.2025
(54) VALORISATION PROCESS FOR BAUXITE RESIDUE

(71) University of Technology Sydney
(21) 2025901940 (22) 20.05.2025
(54) Methods of determining antimicrobial sensitivity

(71) Vale, D.
(21) 2025902070 (22) 27.05.2025
(54) Process for Streamline System Housing

(71) Van Buuren, M.
(21) 2025902010 (22) 23.05.2025
(54) Smart Nasal Respirator with Dual-Path Filtration and Intelligent Breathing Modulation and Assistance

Vanzati, J. see Vanzati, K.
(21) 2025901979

(71) Vanzati, K.; Vanzati, J.
(21) 2025901979 (22) 22.05.2025
(54) Electronic Device Cover

Vanzati, J. see Vanzati, K.
(21) 2025901980

(71) Vanzati, K.; Vanzati, J.
(21) 2025901980 (22) 22.05.2025
(54) Electronic Device Cover

(71) Webber, G.
(21) 2025901960 (22) 21.05.2025
(54) Surfboard fin tab pivot system

(71) Williams, M.
(21) 2025901972 (22) 21.05.2025
(54) Modular therapeutic support system with a screen-based companion dockable into plush or wearable forms. Enables visual task sequencing, emotional scripting, and co-regulation support to assist users with routines, focus, and self-care. Co care concept optional. Features customisable interface, off-line-first operation, and optional care-based interaction, suitable for children, adults, or individuals needing structured support.

(71) Yoorooga Property Pty Ltd
(21) 2025902034 (22) 25.05.2025
(54) REGENERATIVE ELECTROCHEMICAL CO# FIXATION USING CARBON-BASED CATHODES

(71) Yoorooga Property Pty Ltd
(21) 2025902041 (22) 26.05.2025
(54) SELF-REPLICATING ELECTROCHEMICAL CO# CASCADE SYSTEM USING FULLY CARBON ELECTRODES

(71) Yoorooga Property Pty Ltd
(21) 2025902046 (22) 26.05.2025
(54) HYDROGEN EVOLUTION IN MOLTEN CARBONATE ELECTROLYTIC CELLS

(71) Yoorooga Property Pty Ltd
(21) 2025902062 (22) 27.05.2025
(54) ENERGY-EFFICIENT ELECTROCHEMICAL CARBON FIXATION US-

ING MOLTEN CARBONATE CELLS WITH CARBON ELECTRODES

(71) Young Henrys Brewing Company Pty Ltd
(21) 2025901982 (22) 22.05.2025
(54) Processes for carbon dioxide capture

(71) Zappone, A.
(21) 2025902076 (22) 27.05.2025
(54) TruckSafe Australia is a specialized navigation solution that addresses the unique challenges faced by commercial truck drivers across Australia's eastern seaboard. Unlike standard GPS systems, our platform incorporates: Vehicle-specific routing that accounts for truck dimensions, weight, and load type Real-time hazard reporting network between commercial drivers Integrated rest stop and fuel station optimization specific to heavy vehicles Regulatory compliance features aligned with Australian transport regulations

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2025901940	University of Technology Sydney	2025902008	Orica International Pte Ltd
2025901941	The University of Adelaide; The University of Queens- land	2025902009	smartworkerstyltd
2025901943	IPBB Pty Ltd	2025902010	Van Buuren, M.
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2025901947	Erickson, J.	2025902012	Laibuy Pty Ltd
2025901948	Patent Lewis Pty Ltd	2025902013	Monash University
2025901949	Qenergy Solutions (Aust) Pty Ltd	2025902014	MOHIDEEN, F.
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2025901973	Miles, S.	2025902038	Dr Vaidyanathan Balasubramaniam AKA Dr Vaidya Bala
2025901974	Grady, S.	2025902039	Smith, M.
2025901975	Maks Products Pty Ltd	2025902040	Mrs Toddy's Tonic Pty Ltd
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2025901978	Abbasrafi, A.	2025902044	Technological Resources Pty. Limited
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2025901985	Brilliant Electrical Pty Ltd	2025902055	Ceva Animal Health Pty Ltd
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2025901987	Nicholson Software PTY LTD	2025902059	doherty, m.
2025901988	MARITIMO OFFSHORE PTY LTD	2025902061	bland, D.
2025901989	Curtin University of Technology	2025902062	Yoorooga Property Pty Ltd
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2025901991	Beshay, J.	2025902064	Macdonald, J.
2025901992	Peters, M.	2025902065	Doran, P.; Casey, T.
2025901993	RESMED PTY LTD	2025902066	Small, M.
2025901994	Powertech Pty Ltd	2025902067	Tesoriero, C.
2025901995	Jones, L.	2025902068	Groen-O'Connor, A.O.
2025901996	JWM Group Pty Ltd	2025902070	Vale, D.
2025901997	FUTURE FISHING LIMITED	2025902073	Southern Green Gas Limited
2025901998	Huckleberry Creative Pty Ltd	2025902074	Gay, N.
2025901999	Cowan, H.	2025902076	Zappone, A.
2025902000	Kode Biotech Limited	2025902077	Murphy, W.
2025902001	Longhorn Inc.	2025902078	Piper, R.
2025902002	The University of Newcastle		
2025902003	terranova, y.		
2025902004	Anderson, R.		
2025902005	Carlos Eduardo Costa Chagas dos Santos		
2025902006	Saluda Medical Pty Limited		

Complete Applications Filed

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Applications listed below were processed through the Patent Office Canberra during the period ending 20 May 2025 .

- . (*) Title not in Roman characters
- . (**) Title not given

(71) 2170775 Alberta Ltd. (21) 2025203881 (22) 26.05.2025 (54) Modular head for well tubulars	(54) Innovative Image Processing Approach For Measuring Scar Tissue Extensibility	(71) Asada Ladies Clinic (21) 2025203735 (22) 21.05.2025 (54) EMBRYO CULTURING APPARATUS AND METHOD FOR DISPLAYING TREATED EGG MAINTAINED IN CULTURE ENVIRONMENT
(71) 55MV PTY LTD (21) 2025203892 (22) 26.05.2025 (54) Document Search Engine	Al Jaouni, S.K. see Selim Abdelsalam, S. (21) 2025203847	(71) Astec, Inc. (21) 2025203728 (22) 21.05.2025 (54) FIBERBED MIST COLLECTOR WITH IMPROVED FILTERING
(71) Abbott Diabetes Care Inc. (21) 2025203882 (22) 26.05.2025 (54) Analyte sensors and sensing methods featuring dual detection of glucose and ketones	(71) Anduril Industries, Inc. (21) 2025203867 (22) 26.05.2025 (54) Load-bearing frame structure for maritime vehicles	(71) Auguste, D. (21) 2025203845 (22) 23.05.2025 (54) Lost dog app
Abdelsalam, S.S. see Ali, Z.A. (21) 2025203718	(71) Angel Group Co., Ltd. (21) 2025203927 (22) 27.05.2025 (54) CARD GAME SYSTEM AND A METHOD OF A TABLE GAME	(71) AUPEX TECH PTY LTD (21) 2025203849 (22) 24.05.2025 (54) Method and Apparatus for Extracting Lithium and Producing Battery-Grade Lithium Carbonate Using Electro-Mechanical Vibration and Electric Furnace Activation
(71) AC Designs Pty Ltd (21) 2025203936 (22) 27.05.2025 (54) Water Saving Device	(71) Antecip Bioventures II LLC (21) 2025203831 (22) 23.05.2025 (54) COMBINATION OF DEXTROMETHORPHAN AND BUPROPION FOR TREATING DEPRESSION	(71) AUPEX TECH PTY LTD (21) 2025203850 (22) 25.05.2025 (54) Solid-Liquid Coupled Lithium Extraction System
(71) Acurx Pharmaceuticals, LLC (21) 2025203960 (22) 27.05.2025 (54) DNA Polymerase III C Inhibitors and Use Thereof	(71) AnyVolt Power (21) 2025203838 (22) 23.05.2025 (54) High-Efficiency AI-Driven Electric Motor System	(71) Avadain, LLC (21) 2025203746 (22) 21.05.2025 (54) GRAPHENE AND THE PRODUCTION OF GRAPHENE
(71) Aesculap AG; IHI Ionbond AG (21) 2025203859 (22) 26.05.2025 (54) Process for coating an implant and an implant having a ceramic multi-layer coating	(71) APPLE INC. (21) 2025203942 (22) 27.05.2025 (54) Methods for adjusting and/or controlling immersion associated with user interfaces	(71) Avidity Biosciences, Inc. (21) 2025203731 (22) 21.05.2025 (54) Nucleic acid-polypeptide compositions and uses thereof
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(71) Alcon Inc. (21) 2025203809 (22) 23.05.2025 (54) VITRECTOMY PROBE	(71) Aristocrat Technologies Australia Pty Limited (21) 2025203957 (22) 27.05.2025 (54) RETRACTABLE WHEEL ASSEMBLY FOR RAISING AND LOWERING A GAMING MACHINE CABINET	(71) BBI Medical Innovations, LLC (21) 2025203795 (22) 22.05.2025 (54) Measurement of tissue viability
(71) Alderley Gold Corp. (21) 2025203877 (22) 26.05.2025 (54) Alkaline oxidation methods and systems for recovery of metals from ores	(71) ARRIS Enterprises LLC (21) 2025203857 (22) 26.05.2025 (54) Bi-directional coupler with termination point for a test point	(71) Bedgear, LLC (21) 2025203937 (22) 27.05.2025 (54) Bedding System, Kit and Method
(71) Ali, Z.A.; Elsayeh, S.M.A.; Elgezouli, D.D.E.; Ahmed, H.T.E.; Elbushra, M.; Abdelsalam, S.S.; Jouf University (21) 2025203718 (22) 21.05.2025		

Complete Applications Filed - Name Index cont'd

(71) BLANCO GmbH + Co KG
(21) 2025203719 (22) 21.05.2025
(54) ADAPTER FOR A SANITARY BASIN ACCESSORY, SANITARY PART, AND SYSTEM

(71) BPGbio, Inc.
(21) 2025203727 (22) 21.05.2025
(54) Systems and methods for patient stratification and identification of potential biomarkers

BRAGG, S. see CHAPMAN, T.A.
(21) 2025203818

(71) Breville Pty Limited
(21) 2025203958 (22) 27.05.2025
(54) Coffee maker

Burgess, B. see Burgess, H.
(21) 2025203743

(71) Burgess, H.; Burgess, B.; The trustee for Burgess Family Trust
(21) 2025203743 (22) 21.05.2025
(54) DeckSeal GapMate

(71) Cardioguidance Biomedical, LLC
(21) 2025203765 (22) 21.05.2025
(54) Guidewire navigation system with direct visualization feature

(71) Carl Freudenberg KG
(21) 2025203929 (22) 27.05.2025
(54) SEALING ELEMENT

(71) CARL FREUDENBERG KG
(21) 2025203812 (22) 23.05.2025
(54) METHOD FOR ELECTRONICALLY DOCUMENTING A CLEANING PROCESS

(71) Caterpillar Inc.
(21) 2025203842 (22) 23.05.2025
(54) Retention system for attaching tool bits to a blade assembly

(71) CATERPILLAR INC.
(21) 2025203747 (22) 21.05.2025
(54) DISPENSER HEATING FOR COLD TEMPERATURES

(71) CATERPILLAR INC.
(21) 2025203833 (22) 23.05.2025
(54) Work implement assembly using adapters, adapter covers, and a notched base edge

(71) CEFALY Technology SPRL
(21) 2025203846 (22) 23.05.2025
(54) External trigeminal nerve stimulation for the acute non-invasive treatment of migraine attacks

(71) CHAPMAN, T.A.; TIPP, D.; BRAGG, S.; PEEQ INDUSTRIES, INC.
(21) 2025203818 (22) 23.05.2025
(54) PERSONAL CLEANSING DEVICE

(71) China Academy of Machinery Wuhan Research Institute of Materials Protection Co., Ltd.
(21) 2025203801 (22) 22.05.2025
(54) Polyurethane composite material with embedded liquid healing network and preparation method therefor

(71) Chowdhury, M.
(21) 2025203713 (22) 20.05.2025
(54) BRICKBOX: A Cryptographically Secure, Geo-Indexed Digital Mailbox System for Residential Address-Based Communication with Stateless Ownership Transfer

(71) Conveyor Innovations Pty Ltd; e-moola.com Pty Ltd
(21) 2025203848 (22) 24.05.2025
(54) Conveyor idler roller monitoring assembly

(71) Cornell University
(21) 2025203843 (22) 23.05.2025
(54) 18F-labeled peptide ligands useful in PET and Cerenkov luminescence imaging

(71) CSI Cells (Yangzhou) Co., Ltd.
(21) 2025203761 (22) 21.05.2025
(54) Solar cell, method for preparing same, and photovoltaic module

(71) CSI Cells (Yangzhou) Co., Ltd.; CSI Silicon Wafer (Yangzhou) Co., Ltd.; CSI Cells Co., Ltd
(21) 2025203923 (22) 27.05.2025
(54) Solar cell, method for preparing same, and photovoltaic module

CSI Cells Co., Ltd see CSI Cells (Yangzhou) Co., Ltd.
(21) 2025203923

CSI Silicon Wafer (Yangzhou) Co., Ltd. see CSI Cells (Yangzhou) Co., Ltd.
(21) 2025203923

(71) cutting, s.
(21) 2025203961 (22) 27.05.2025

(54) CUTFIT WEIGHTS. Weights for hands. With polyester and leather material.

(71) Daon Technology
(21) 2025203775 (22) 22.05.2025
(54) METHODS AND SYSTEMS FOR ENHANCING DETECTION OF FRAUDULENT AUTHENTICATION DATA

(71) Daon Technology
(21) 2025203779 (22) 22.05.2025
(54) ELECTRONIC DEVICE AND METHOD FOR ENHANCING DETECTION OF MORPHED BIOMETRIC MODALITY DATA

(71) Daon Technology
(21) 2025203786 (22) 22.05.2025
(54) METHODS AND SYSTEMS FOR ENHANCING DETECTION OF MORPHED BIOMETRIC MODALITY DATA

(71) Deere & Company
(21) 2025203724 (22) 21.05.2025
(54) Residue detection system

(71) Deere & Company
(21) 2025203730 (22) 21.05.2025
(54) Adaptive spin control system and method for construction machine

(71) Deere & Company
(21) 2025203774 (22) 22.05.2025
(54) Piezoelectric device tuned for energy harvesting across a frequency range

(71) Deutsches Krebsforschungszentrum
(21) 2025203887 (22) 26.05.2025
(54) Non-integrating DNA vectors for the genetic modification of cells

(71) Dexcom, Inc.
(21) 2025203789 (22) 22.05.2025
(54) Systems and methods relating to an analyte sensor system having a battery located within a disposable base

(71) Dexcom, Inc.
(21) 2025203790 (22) 22.05.2025
(54) Transcutaneous analyte sensor systems and methods

(71) Dexcom, Inc.
(21) 2025203791 (22) 22.05.2025
(54) Systems and method for activating analyte sensor electronics

(71) Dexcom, Inc.
(21) 2025203792 (22) 22.05.2025
(54) System and method for mode switching

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(71) Dicerna Pharmaceuticals, Inc.
(21) 2025203784 (22) 22.05.2025
(54) Compositions and methods for inhibiting ANGPTL3 expression

(71) Digital Diagnostics Inc.
(21) 2025203739 (22) 21.05.2025
(54) Monitoring surface cleaning of medical surfaces using video streaming

(71) Dow Global Technologies LLC
(21) 2025203797 (22) 22.05.2025
(54) DEEP REINFORCEMENT LEARNING FOR PRODUCTION SCHEDULING

(71) DSG Technology Holdings Ltd.
(21) 2025203883 (22) 26.05.2025
(54) DISPOSABLE ABSORBENT ARTICLE AND ABSORBENT CORE COMPOSITE

(71) DT1 Global Pty Ltd
(21) 2025203749 (22) 21.05.2025
(54) COMMUNICATION AND MONITORING SYSTEM FOR HEALTHCARE ENVIRONMENT

(71) Eacon Technology Co., Ltd.
(21) 2025203744 (22) 21.05.2025
(54) METHOD AND APPARATUS FOR CONTROLLING UNMANNED VEHICLE

EL-Bialy, B.E. see Sindi, H.A.
(21) 2025203851

EL-Borai, N.B. see Sindi, H.A.
(21) 2025203851

Elbushra, M. see Ali, Z.A.
(21) 2025203718

Elgezouli, D.D.E. see Ali, Z.A.
(21) 2025203718

(71) Eli Lilly and Company
(21) 2025203804 (22) 22.05.2025
(54) FARNESOID X RECEPTOR AGONISTS AND USES THEREOF

Elsayeh, S.M.A. see Ali, Z.A.
(21) 2025203718

Elshafey, N. see Sindi, H.A.
(21) 2025203851

e-moola.com Pty Ltd see Conveyor Innovations Pty Ltd
(21) 2025203848

(71) Eutech Cybernetic Pte Ltd
(21) 2025203874 (22) 26.05.2025
(54) Platform for the integration of operational BIM, operational intelligence, and user journeys for the simplified and unified management of smart cities

(71) Exscientia GmbH
(21) 2025203870 (22) 26.05.2025
(54) Methods for determining selectivity of test compounds

(71) FEI Company
(21) 2025203734 (22) 21.05.2025
(54) Aberration correction in charged particle spectroscopy

(71) Ferring Microbiome Inc.
(21) 2025203820 (22) 23.05.2025
(54) Microbiota restoration therapy (MRT) compositions and methods of manufacture

(71) Fisher & Paykel Healthcare Limited
(21) 2025203939 (22) 27.05.2025
(54) BREATH INDICATOR

(71) FISHER & PAYKEL HEALTHCARE LIMITED
(21) 2025203708 (22) 20.05.2025
(54) Respiratory interface

(71) FISHER & PAYKEL HEALTHCARE LIMITED
(21) 2025203917 (22) 27.05.2025
(54) PATIENT INTERFACE AND ASPECTS THEREOF

(71) FIZE MEDICAL LTD.
(21) 2025203826 (22) 23.05.2025
(54) Measuring urine production and other urine-related parameters

(71) Flinders University
(21) 2025203802 (22) 22.05.2025
(54) Decision support software system for sleep disorder identification

(71) Fundació Hospital Universitari Vall d'hebron - Institut de Recerca
(21) 2025203864 (22) 26.05.2025
(54) Markers for endometrial cancer

(71) Garvan Institute of Medical Research
(21) 2025203837 (22) 23.05.2025
(54) Sequencing controls

(71) Georg Fischer Signet LLC
(21) 2025203721 (22) 21.05.2025
(54) Measurement of characteristics of a fluid

(71) Giant Manufacturing Co., Ltd.
(21) 2025203766 (22) 21.05.2025
(54) BICYCLE FRAME SET

Gilbert, M. see Gilbert, R.
(21) 2025203745

(71) Gilbert, R.; Gilbert, M.
(21) 2025203745 (22) 21.05.2025
(54) FirePath AI: Real-Time Bushfire Prediction and Asset Protection System

(71) GLATT Gesellschaft mit beschränkter Haftung
(21) 2025203712 (22) 20.05.2025
(54) Repair device and repair system for repairing corrosion damage of a surface of an object exposed to weather

(71) Graham, A.
(21) 2025203800 (22) 22.05.2025
(54) Automated Gravity-fed Plant Watering and or Nutrient Delivery Device

Hamouda, R.A.E. see Sindi, H.A.
(21) 2025203851

(71) Herting, T.
(21) 2025203793 (22) 22.05.2025
(54) Method for positioning a workpiece and apparatus therefor

HOLOPLOT GMBH see MSG ENTERTAINMENT GROUP, LLC.
(21) 2025203844

(71) Huizhou Mufeng Technology Co., Ltd
(21) 2025203949 (22) 27.05.2025
(54) PRESS-TYPE SEALING COVER AND SEALED CONTAINER

(71) Hydromecanique et frottement
(21) 2025203841 (22) 23.05.2025
(54) HINGED COMPONENT, AND MECHANICAL SYSTEM COMPRISING SUCH A COMPONENT

IHI Ionbond AG see Aesculap AG
(21) 2025203859

(71) Illinois Tool Works Inc.
(21) 2025203752 (22) 21.05.2025

Complete Applications Filed - Name Index cont'd

(54) Wall chaser

(71) Illinois Tool Works Inc.
(21) 2025203813 (22) 23.05.2025
(54) Fastener driving tool including a nosepiece assembly and a nose positioner

(71) Illinois Tool Works Inc.
(21) 2025203821 (22) 23.05.2025
(54) Two-component adhesive composition

Imvax, Inc. see Thomas Jefferson University
(21) 2025203888

(71) Institute of Biotechnology, Xinjiang Academy of Animal Science (China-Australia Sheep Research Centre, Xinjiang Academy of Animal Science)
(21) 2025203840 (22) 23.05.2025
(54) USE OF AN OVINE MYOGENESIS-RELATED GENE NFIX IN IMPROVING MEAT QUALITY OF SHEEP

INSTITUTE OF SCIENCE TOKYO see JAPAN AVIATION ELECTRONICS INDUSTRY, LIMITED
(21) 2025203723

(71) i-SENS, INC.
(21) 2025203869 (22) 26.05.2025
(54) METHOD OF DISPLAYING COMMUNICATION STATUS IN GLUCOSE MONITORING SYSTEM

(71) JAPAN AVIATION ELECTRONICS INDUSTRY, LIMITED; INSTITUTE OF SCIENCE TOKYO
(21) 2025203723 (22) 21.05.2025
(54) Atom wave interferometer

(71) Jetoptera, Inc.
(21) 2025203875 (22) 26.05.2025
(54) Streamline airframe with boundary ingestion fluidic propulsive elements

(71) Jingdian (Heyuan) Display Technology Co., Ltd; Jingdian (Shenzhen) Automotive Technology Co., Ltd
(21) 2025203799 (22) 22.05.2025
(54) Intelligent safety monitoring system and method, and storage medium

Jingdian (Shenzhen) Automotive Technology Co., Ltd see Jingdian (Heyuan) Display Technology Co., Ltd
(21) 2025203799

(71) Jinko Solar Co., Ltd.; Zhejiang Jinko Solar Co., Ltd.

(21) 2025203889 (22) 26.05.2025
(54) SOLAR CELL, METHOD FOR MANUFACTURING SOLAR CELL, AND PHOTOVOLTAIC MODULE

Jouf University see Ali, Z.A.
(21) 2025203718

Jouf University see Selim Abdelsalam, S.
(21) 2025203847

Jouf University see Sindi, H.A.
(21) 2025203851

(71) K2M, Inc.
(21) 2025203921 (22) 27.05.2025
(54) MODULAR SPINAL FIXATION DEVICE

(71) KABUSHIKI KAISHA TOYOTA JIDOSHOKKI
(21) 2025203733 (22) 21.05.2025
(54) Industrial vehicle

King Abdulaziz University see Selim Abdelsalam, S.
(21) 2025203847

(71) Kuhn-Geldrop B.V.
(21) 2025203886 (22) 26.05.2025
(54) Agricultural Machine

(71) Lam, T.T.
(21) 2025203894 (22) 26.05.2025
(54) AXIS-SURROUNDED FLOAT-BASED FLOATING SOLAR TRACKERS

(71) Lam, T.T.
(21) 2025203895 (22) 26.05.2025
(54) CONE OR PYRAMID SHAPED STRUCTURE-BASED FLOATING SOLAR ENERGY SYSTEMS

(71) Lam, T.T.
(21) 2025203896 (22) 26.05.2025
(54) NONHORIZONTAL RING-BASED FLOATING SOLAR ENERGY SYSTEMS

Laurenzi, B. see Thomas Jefferson University
(21) 2025203888

(71) LEE, W.
(21) 2025203853 (22) 26.05.2025
(54) Metal nail for fixing thermal insulation layer to wall body

(71) Leidos, Inc.
(21) 2025203807 (22) 22.05.2025
(54) MATERIALS AND METHODS FOR CELL-FREE EXPRESSION OF VACCINE EPI TOPE CONCATEMERS

(71) Lentigen Technology, Inc.; The U.S.A., as represented by the secretary Department of Health and Human Services
(21) 2025203880 (22) 26.05.2025
(54) Compositions and methods for treating cancer with anti-CD33 immunotherapy

(71) Les Laboratoires Servier
(21) 2025203835 (22) 23.05.2025
(54) Ivosidenib forms and pharmaceutical compositions

(71) LG Chem, Ltd.
(21) 2025203783 (22) 22.05.2025
(54) CRYSTALLINE FORM V OF MELANOCORTIN RECEPTOR AGONIST COMPOUND, AND METHOD FOR PREPARING SAME

(71) LG Chem, Ltd.
(21) 2025203787 (22) 22.05.2025
(54) SULFATE CRYSTALS OF MELANOCORTIN RECEPTOR AGONIST COMPOUND AND METHOD OF PRODUCING SAME

(71) LG Chem, Ltd.
(21) 2025203828 (22) 23.05.2025
(54) CRYSTAL FORM VII OF MELANOCORTIN RECEPTOR AGONIST COMPOUND AND METHOD FOR PREPARING SAME

(71) LG Chem, Ltd.
(21) 2025203863 (22) 26.05.2025
(54) Uses of melanocortin-4 receptor agonist

(71) LG Electronics Inc.
(21) 2025203715 (22) 20.05.2025
(54) Vacuum cleaner nozzle

(71) LG Electronics Inc.
(21) 2025203720 (22) 21.05.2025
(54) SIGNAL PROCESSING DEVICE AND METHOD OF OPERATION THEREOF

(71) LG Electronics Inc.
(21) 2025203740 (22) 21.05.2025
(54) KNOB ASSEMBLY AND COOKING APPARATUS HAVING SAME

Complete Applications Filed - Name Index cont'd

(71) LG Electronics Inc.
(21) 2025203772 (22) 22.05.2025
(54) APPLIANCE

(71) LG Electronics Inc.
(21) 2025203852 (22) 26.05.2025
(54) COOKING APPLIANCE WITH DIGITAL CONTROLLER DOOR AND METHOD FOR CONTROLLING COOKING APPLIANCE

(71) Lifetime Brands, Inc.
(21) 2025203879 (22) 26.05.2025
(54) Food preparation and serving system

(71) Lifetime Brands, Inc.
(21) 2025203945 (22) 27.05.2025
(54) Food serving system

(71) Light Field Lab, Inc.
(21) 2025203858 (22) 26.05.2025
(54) Holographic object relay for light field display

(71) LINEAGE LOGISTICS, LLC
(21) 2025203890 (22) 26.05.2025
(54) DETERMINING ITEMS TO PICK IN A STORAGE FACILITY

(71) LITTLE GIANT LADDER SYSTEMS, LLC
(21) 2025203834 (22) 23.05.2025
(54) COMBINATION LADDERS, LADDER COMPONENTS AND RELATED METHODS

(71) LOCKHEED MARTIN CORPORATION
(21) 2025203855 (22) 26.05.2025
(54) A SYSTEM AND METHOD FOR AUTOMATED DISTRIBUTION

(71) LOCKHEED MARTIN CORPORATION
(21) 2025203856 (22) 26.05.2025
(54) RESONANT CAVITY ELECTROSPRAY SYSTEMS AND METHODS

(71) LOCKHEED MARTIN ENERGY, LLC
(21) 2025203764 (22) 21.05.2025
(54) FLOW BATTERY WITH A DYNAMIC FLUIDIC NETWORK

(71) Marengo Therapeutics, Inc.
(21) 2025203876 (22) 26.05.2025
(54) Multifunctional molecules that bind to T cell related cancer cells and uses thereof

Massachusetts Institute of Technology see The Broad Institute, Inc.
(21) 2025203711

Massachusetts Institute of Technology see The Rockefeller University
(21) 2025203777

Massachusetts Institute of Technology see President and Fellows of Harvard College
(21) 2025203780

(71) Massachusetts Institute of Technology; The Broad Institute, Inc.; President and Fellows of Harvard College
(21) 2025203782 (22) 22.05.2025
(54) Delivery, engineering and optimization of systems, methods and compositions for sequence manipulation and therapeutic applications

(71) Medi USA, L.P.
(21) 2025203737 (22) 21.05.2025
(54) Garment for limb with padded digit portions

(71) Memorial Sloan-Kettering Cancer Center
(21) 2025203709 (22) 20.05.2025
(54) Intestinal microbiota and GVHD

(71) Merck Patent GmbH
(21) 2025203854 (22) 26.05.2025
(54) Viscosity reduction of highly concentrated protein formulations

(71) Minerva Neurosciences, Inc.
(21) 2025203817 (22) 23.05.2025
(54) Use of roluperidone to treat negative symptoms and disorders, increase neuroplasticity, and promote neuroprotection

(71) Mitsubishi Tanabe Pharma Corporation
(21) 2025203773 (22) 22.05.2025
(54) Pharmaceutical composition for oral administration of edaravone and method of administering same

(71) MorphoSys AG
(21) 2025203885 (22) 26.05.2025
(54) Antibody formulations

(71) MSG ENTERTAINMENT GROUP, LLC.; HOLOPLOT GMBH
(21) 2025203844 (22) 23.05.2025
(54) Integrated audiovisual system

(71) Munro, G.
(21) 2025203805 (22) 22.05.2025
(54) System and Method for Biometric-Based Tokenisation of Fertility Health Services

(71) Nanjing Chervon Industry Co., Ltd.
(21) 2025203803 (22) 22.05.2025
(54) FASTENER DRIVER

(71) National GET Pty Ltd
(21) 2025203814 (22) 23.05.2025
(54) Method and System for Packaging Components

National University of Ireland Galway see The College of the Holy & Undivided Trinity of Queen Elizabeth
(21) 2025203729

(71) Neptune Benson, Inc.
(21) 2025203796 (22) 22.05.2025
(54) Regenerative media filter air scouring apparatus and method

(71) Nicholson, V.
(21) 2025203722 (22) 21.05.2025
(54) Covert Assistance Trigger System for Mobile Devices Using Keyword/Key Phrase Detection and Artificial Intelligence

(71) NICOLON CORPORATION D/B/A TENCATE GEOSYNTHETICS AMERICAS
(21) 2025203839 (22) 23.05.2025
(54) Geosynthetic fabric with differential wicking capability

(71) Nokia Technologies Oy
(21) 2025203756 (22) 21.05.2025
(54) Privacy indicators for controlling authentication requests

(71) Nokia Technologies Oy
(21) 2025203911 (22) 27.05.2025
(54) Method and apparatus for manually selecting a network

(71) NOMAD GO, INC.
(21) 2025203776 (22) 22.05.2025
(54) METHODS AND APPARATUS FOR MACHINE LEARNING SYSTEM FOR EDGE COMPUTER VISION AND ACTIVE REALITY

(71) Novartis AG
(21) 2025203816 (22) 23.05.2025
(54) Pharmaceutical combination comprising TNO155 and ribociclib

(71) Novartis AG
(21) 2025203830 (22) 23.05.2025
(54) TREATING HIDRADENITIS SUPPURATIVA WITH IL-17 ANTAGONISTS

Complete Applications Filed - Name Index cont'd

(71) OCADO INNOVATION LIMITED
(21) 2025203736 (22) 21.05.2025
(54) A Fall Restraint Apparatus for a Grid Framework Structure

(71) Omeros Corporation
(21) 2025203707 (22) 20.05.2025
(54) Methods of inhibiting MASP-2 for the treatment and/or prevention of coronavirus-induced acute respiratory distress syndrome

(71) OPUM Technologies Limited
(21) 2025203741 (22) 21.05.2025
(54) Orthosis or exoskeleton system

PEEQ INDUSTRIES, INC. see CHAPMAN, T.A.
(21) 2025203818

(71) Peterson, M.
(21) 2025203726 (22) 21.05.2025
(54) Wheel Lifting and Alignment Stand

(71) Poly Gain Pte Ltd
(21) 2025203872 (22) 26.05.2025
(54) Sugar cane extracts for use in animal feeds

Polyvach, G. see Polyvach, M.
(21) 2025203891

Polyvach, N. see Polyvach, M.
(21) 2025203891

(71) Polyvach, M.; Polyvach, G.; Polyvach, N.
(21) 2025203891 (22) 26.05.2025
(54) Automated Vendor/Outlet "FOBPOS" - Fermentation Optimized Beverages Point Of Sale

(71) Poseida Therapeutics, Inc.
(21) 2025203769 (22) 21.05.2025
(54) Compositions and methods for chimeric ligand receptor (CLR)-mediated conditional gene expression

(71) Prairie Machine & Parts Mfg. - Partnership
(21) 2025203742 (22) 21.05.2025
(54) CABLE CONNECTOR RETAINING ASSEMBLY

(71) Precedence Health Care Pty Ltd
(21) 2025203785 (22) 22.05.2025
(54) AN ELECTRONIC CARE MANAGEMENT SYSTEM

(71) Precision BioSciences, Inc.
(21) 2025203753 (22) 21.05.2025
(54) Genetically-modified T cells comprising a modified intron in the T cell receptor alpha gene

President and Fellows of Harvard College see The Rockefeller University
(21) 2025203777

(71) President and Fellows of Harvard College; Massachusetts Institute of Technology; The Broad Institute, Inc.
(21) 2025203780 (22) 22.05.2025
(54) Engineering of systems, methods and optimized guide compositions for sequence manipulation

President and Fellows of Harvard College see Massachusetts Institute of Technology
(21) 2025203782

(71) Primewan Limited
(21) 2025203836 (22) 23.05.2025
(54) VIRTUAL NETWORK DEVICE

(71) Raven Industries, Inc.
(21) 2025203725 (22) 21.05.2025
(54) Attention-based feature for object-oriented granular neighbor search

(71) Regeneron Pharmaceuticals, Inc.
(21) 2025203794 (22) 22.05.2025
(54) DEVICES AND METHODS FOR PRECISION DOSE DELIVERY

(71) Regeneron Pharmaceuticals, Inc.
(21) 2025203827 (22) 23.05.2025
(54) NY-ESO-1 T cell receptors and methods of use thereof

(71) RMH Tech LLC
(21) 2025203716 (22) 20.05.2025
(54) MOUNTING DEVICE FOR A METAL PANEL

(71) Rondo Building Services Pty Limited
(21) 2025203757 (22) 21.05.2025
(54) A connector for a suspended baffle ceiling

Saad Almuhayawi, M. see Selim Abdelsalam, S.
(21) 2025203847

(71) Sage Therapeutics, Inc.
(21) 2025203873 (22) 26.05.2025

(54) Neuroactive steroids, compositions, and uses thereof

(71) Salts Healthcare Limited
(21) 2025203771 (22) 22.05.2025
(54) An ostomy appliance

(71) Schneider Electric (Australia) Pty Limited
(21) 2025203878 (22) 26.05.2025
(54) PUSH-BUTTON SWITCH ASSEMBLY, AND OPERATIONAL PART

(71) Selim Abdelsalam, S.; Al Jaouni, S.K.; Saad Almuhayawi, M.; King Abdulaziz University; Jouf University
(21) 2025203847 (22) 24.05.2025
(54) AI-Integrated Automated Bacterial DNA Extraction System

Selim Abdelsalam, S. see Sindi, H.A.
(21) 2025203851

Shaaban, A.F. see Thandra, V.
(21) 2025203762

(71) Shaanxi Guantu Biotechnology Co., Ltd.
(21) 2025203768 (22) 21.05.2025
(54) HIGHLY STABLE AND RECOMBINANT HUMANIZED ELASTIN, GENETICALLY ENGINEERED BACTERIUM EXPRESSING THE ELASTIN, AND APPLICATION THEREFOR

(71) Shenzhen Aiper Intelligent Co., Ltd.
(21) 2025203806 (22) 22.05.2025
(54) Pool Automatic Cleaning Device, And Control Method Thereof

(71) Shenzhen Oceanwing Smart Innovations Technology Co., Ltd.
(21) 2025203798 (22) 22.05.2025
(54) Laser projection device

(71) Shenzhen Prime Logic Technology Co., Ltd
(21) 2025203871 (22) 26.05.2025
(54) MODULAR BATTERY CHARGING SYSTEM

(71) Shopify Inc.
(21) 2025203755 (22) 21.05.2025
(54) SYSTEMS AND METHODS FOR GENERATING AUGMENTED REALITY CONTENT BASED ON DISTORTED THREE-DIMENSIONAL MODELS

(71) SHOPIFY INC.
(21) 2025203760 (22) 21.05.2025

Complete Applications Filed - Name Index cont'd

(54) DUAL STAGE BULKHEADS

(71) Sindi, H.A.; Hamouda, R.A.E.; EL-Bialy, B.E.; EL-Borai, N.B.; Elshafey, N.; Selim Abdelsalam, S.; University of Jeddah; Jouf University

(21) 2025203851 **(22)** 26.05.2025

(54) Chlorella-Derived Exosomes as a Novel Anticancer Agent Efficacy Against Breast, Prostate, and Colon Cancer Cell Lines

(71) SKELLERUP INDUSTRIES LIMITED

(21) 2025203932 **(22)** 27.05.2025

(54) ARTIFICIAL TEAT FOR FEEDING ANIMALS

(71) SubSea Craft Limited

(21) 2025203822 **(22)** 23.05.2025

(54) Surface/submersible craft

(71) SUREDROPS, LLC

(21) 2025203759 **(22)** 21.05.2025

(54) DELIVERY DEVICE FOR ADMINISTERING FLUID TO AN EYE

(71) Sustain Holdings, LLC

(21) 2025203832 **(22)** 23.05.2025

(54) Collagen Peptide-Based Medicament Compositions And Devices And Methods Of Production And Use Thereof

(71) Suzhou Ribo Life Science Co., Ltd.

(21) 2025203951 **(22)** 27.05.2025

(54) Nucleic acid, pharmaceutical composition, conjugate, preparation method, and use

(71) Syngenta Crop Protection AG

(21) 2025203680 **(22)** 20.05.2025

(54) Methods for detecting fungi in turf grass with a lamp assay having novel primer sets

(71) Taiho Pharmaceutical Co., Ltd.

(21) 2025203861 **(22)** 26.05.2025

(54) Cancer therapy using 3,5-disubstituted benzene alkynyl compound and immune checkpoint inhibitor

(71) Taiho Pharmaceutical Co., Ltd.

(21) 2025203865 **(22)** 26.05.2025

(54) Cancer therapy using 3,5-disubstituted benzene alkynyl compound and pembrolizumab

(71) TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

(21) 2025203860 **(22)** 26.05.2025

(54) RENDERING OF OCCULDED AUDIO ELEMENTS

(71) Tencent America LLC

(21) 2025203758 **(22)** 21.05.2025

(54) METHOD AND APPARATUS FOR VIDEO CODING

(71) Te Pari Products Limited

(21) 2025203868 **(22)** 26.05.2025

(54) ADJUSTABLE ANIMAL CRUSH

(71) Tesaro, Inc.

(21) 2025203823 **(22)** 23.05.2025

(54) Biopharmaceutical compositions and related methods

(71) Thandra, V.; Shaaban, A.F.

(21) 2025203762 **(22)** 21.05.2025

(54) FLAT FEE AND INTERIM BILLS FOR PROFESSIONAL SERVICES FIRM

(71) The Boeing Company

(21) 2025203732 **(22)** 21.05.2025

(54) Composite joint inspection

(71) The Broad Institute, Inc.; Massachusetts Institute of Technology

(21) 2025203711 **(22)** 20.05.2025

(54) TYPE VI-B CRISPR ENZYMES AND SYSTEMS

The Broad Institute, Inc. see The Rockefeller University

(21) 2025203777

The Broad Institute, Inc. see President and Fellows of Harvard College

(21) 2025203780

The Broad Institute, Inc. see Massachusetts Institute of Technology

(21) 2025203782

(71) The College of the Holy & Undivided Trinity of Queen Elizabeth; National University of Ireland Galway

(21) 2025203729 **(22)** 21.05.2025

(54) Ultrasound based three-dimensional lesion verification within a vasculature

(71) The Johns Hopkins University

(21) 2025203767 **(22)** 21.05.2025

(54) Manabodies And Methods Of Using

(71) The Rockefeller University; The Broad Institute, Inc.; Massachusetts Institute of Technology; President and Fellows of Harvard College

(21) 2025203777 **(22)** 22.05.2025

(54) CRISPR-Cas component systems, methods and compositions for sequence manipulation

(71) THE TEXAS A & M UNIVERSITY SYSTEM

(21) 2025203748 **(22)** 21.05.2025

(54) PROCESS FOR PARTIAL UPGRADING OF HEAVY OIL

The trustee for Burgess Family Trust see Burgess, H.

(21) 2025203743

The U.S.A., as represented by the secretary Department of Health and Human Services see Lentigen Technology, Inc.

(21) 2025203880

(71) Thomas Jefferson University; Imvax, Inc.; Laurenzi, B.

(21) 2025203888 **(22)** 26.05.2025

(54) Biodiffusion chamber

(71) Thompson, S.

(21) 2025203935 **(22)** 27.05.2025

(54) Inflatable Shower Base

(71) Thrive Orthopedics, LLC

(21) 2025203829 **(22)** 23.05.2025

(54) ANKLE FOOT ORTHOSIS WITH TRACK SYSTEM AND MECHANISM

TIPP, D. see CHAPMAN, T.A.

(21) 2025203818

(71) Trevi Therapeutics, Inc.

(21) 2025203754 **(22)** 21.05.2025

(54) Treatment of chronic cough, breathlessness and dyspnea

(71) Universität Heidelberg

(21) 2025203815 **(22)** 23.05.2025

(54) FAP inhibitor

(71) Universität Heidelberg

(21) 2025203824 **(22)** 23.05.2025

(54) FAP inhibitor

(71) Universität Heidelberg

(21) 2025203825 **(22)** 23.05.2025

(54) FAP inhibitor

University of Jeddah see Sindi, H.A.

(21) 2025203851

(71) UOP LLC

(21) 2025203750 **(22)** 21.05.2025

Complete Applications Filed - Name Index cont'd

(54) A process for PVC-containing mixed plastic waste pyrolysis

(71) US Metals Refining Group, Inc.
(21) 2025203933 (22) 27.05.2025
(54) 'Method and Apparatus for Minerals and Water Separation'

(71) Vanderbilt University
(21) 2025203763 (22) 21.05.2025
(54) Wearable assistance devices and methods of operation

(71) Vertex Pharmaceuticals Incorporated
(21) 2025203781 (22) 22.05.2025
(54) CRYSTALLINE FORMS OF CFTR MODULATORS

(71) Vertex Pharmaceuticals Incorporated
(21) 2025203866 (22) 26.05.2025
(54) Macroencapsulation devices

(71) Volvo Autonomous Solutions AB
(21) 2025203918 (22) 27.05.2025
(54) Method for controlling operation on a site

(71) Volvo Truck Corporation
(21) 2025203914 (22) 27.05.2025
(54) Arrangement of a vehicle

(71) WANG, C.
(21) 2025203884 (22) 26.05.2025
(54) METHOD AND STRUCTURE FOR PREVENTING FREEZING AND CRACKING OF WATER SUPPLY DEVICES

(71) Wayne, S.
(21) 2025203811 (22) 23.05.2025
(54) EXTRUSION WITH CHANNELS FOR CHASSIS

(71) West Pharma. Services IL, Ltd.
(21) 2025203862 (22) 26.05.2025
(54) LIQUID TRANSFER DEVICE WITH DUAL LUMEN IV SPIKE

(71) Williamson, N.
(21) 2025203808 (22) 22.05.2025
(54) A Tactile Interfacing Digital Musical Instrument Fidget Toy

(71) Xeris Pharmaceuticals, Inc.
(21) 2025203770 (22) 21.05.2025
(54) Stable therapeutic compositions in aprotic polar solvents and methods of manufacturing the same

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(71) ZTE Corporation
(21) 2025203778 (22) 22.05.2025
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2025203911	Nokia Technologies Oy		

Applications Lapsed, Refused Or Withdrawn, Patents Ceased or Expired

Reference to the application numbers must include the year of the application of the patent, which is shown preceding the numbers.

The codes next to each number have the following meanings:

Code Meaning

1	Application Lapsed Section 142(2)(a)
3	Application Lapsed Section 142(2)(c)
4	Application Lapsed Section 142(2)(d)
5	Application Lapsed Section 142(2)(e)
6	Application Lapsed Section 142(2)(f)/Reg. 13.5A(2)\Reg. 8.3(3)
7	Application Lapsed Reg. 3.2A(3)/Reg. 3.2C
8	Application Lapsed Reg. 3.4(6)
9	Application Lapsed Section 142(3)
11	Application Lapsed Section 148(1)(c)
12	Application Withdrawn Section 141(1)
13	Application Withdrawn Section 141(2)/Reg 13.1C\Section 141(3)/See Reg 8.3(2)
14	Patent Ceased Section 143(a), or Expired
15	Patent Ceased Section 143(b)
16	Application Refused
17	Application Lapsed Reg. 22.2B(2)
18	Application Lapsed Reg. 3.2B(3),(5) or (6)
20	Patent Ceased Section 143A(b)/Reg. 22.2D(2) or (4)
21	Patent Ceased Section 101C(b)/Section 143A(c)/Reg. 9A.4
22	Patent Ceased Section 143A(d), or Expired
23	Patent Ceased Section 143A(e)
24	Application Lapsed Reg. 22.2E(2)
25	Application Lapsed Reg. 22.2I(2)
26	Application Lapsed Reg. 3.5AC(11)
27	Application Lapsed Reg. 3.5AF(2F)
28	Application Lapsed Reg. 22.15A(3)

A	Applications on which examination has not been requested or directed
B	Applications on which a direction to request examination has been given
C	Applications on which examination has been requested or on which an examination report has been issued
D	Applications which have been accepted or advertised accepted
E	Patents on which an examination has not been requested
F	Patents on which an examination has been requested or report issued
G	Patents Certified
N	Applications not Open to Public Inspection

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 2020382765 (14) 2020382792 (4C) 2020383515 (14)
 2020384287 (4C) 2020385054 (14) 2020391414 (4C)
 2020393248 (4B) 2020394709 (4C) 2020405985 (4B)
 2020407951 (4B) 2020440456 (4B) 2020451588 (1B)
 2020451966 (1B) 2020477267 (14) 2020482458 (5C)

2021

2021102394 (22) 2021103899 (22G) 2021107613 (22)
 2021200397 (14) 2021200410 (14) 2021202628 (14)
 2021203471 (1B) 2021203642 (1B) 2021203668 (1B)
 2021203689 (1B) 2021203697 (1B) 2021203727 (1B)
 2021203729 (1B) 2021203772 (1B) 2021203915 (14)
 2021209181 (1B) 2021223296 (1B) 2021231983 (5C)
 2021282577 (1B) 2021282587 (1B) 2021282591 (1B)
 2021282655 (1B) 2021282676 (1B) 2021282888 (1B)
 2021283356 (1B) 2021283365 (1B) 2021283420 (1B)
 2021283585 (1B) 2021283687 (1B) 2021283694 (1B)
 2021283714 (1B) 2021283892 (1B) 2021283893 (1B)
 2021283934 (1B) 2021283948 (1B) 2021283960 (1B)
 2021283988 (1B) 2021284299 (1B) 2021284358 (1B)
 2021284376 (1B) 2021284455 (1B) 2021284592 (1B)
 2021284629 (1B) 2021284697 (1B) 2021284903 (1B)
 2021285003 (1B) 2021285201 (1B) 2021285542 (1B)
 2021285974 (1B) 2021286002 (1B) 2021286069 (1B)
 2021286199 (1B) 2021286216 (1B) 2021286463 (1B)
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 2021286957 (1B) 2021287332 (1B) 2021287363 (1B)
 2021287371 (1B) 2021287462 (1B) 2021287782 (1B)
 2021287783 (1B) 2021287813 (1B) 2021287881 (1B)
 2021287911 (1B) 2021288249 (1B) 2021288457 (1B)
 2021288464 (1B) 2021288489 (1B) 2021288509 (1B)
 2021288580 (1B) 2021288610 (1B) 2021288898 (1B)
 2021288923 (1B) 2021288987 (1B) 2021289041 (1B)
 2021289056 (1B) 2021289162 (1B) 2021289221 (1B)
 2021289232 (1B) 2021289250 (1B) 2021289635 (1B)
 2021289665 (1B) 2021289725 (1B) 2021290030 (1B)
 2021290092 (1B) 2021290174 (1B) 2021310535 (5C)
 2021329906 (5C) 2021343383 (5C) 2021367992 (5C)
 2021376711 (5C) 2021388344 (5C) 2021391551 (5C)
 2021406015 (5C) 2021408129 (5C) 2021408473 (5C)
 2021409146 (5C) 2021412148 (5C) 2021436671 (5C)
 2021439321 (5C)

2022

2022201995 (5C) 2022202266 (14) 2022203348 (5C)
 2022203669 (4C) 2022217272 (5C) 2022237542 (5C)
 2022247649 (5C) 2022252696 (25D) 2022256115 (5C)
 2022256995 (5C) 2022263545 (5C) 2022287627 (14)
 2022309257 (5C) 2022361894 (25D)

2023

2023200322 (5C) 2023200441 (4C) 2023200511 (25D)
 2023200581 (4C) 2023200602 (5C) 2023201157 (5C)
 2023201718 (5C) 2023201833 (5C) 2023201842 (4C)
 2023201914 (5C) 2023201945 (12D) 2023202159 (5C)
 2023202613 (5C) 2023202800 (5C) 2023202805 (5C)
 2023202865 (5C) 2023203231 (5C) 2023203360 (5C)
 2023203852 (5C) 2023204392 (5C) 2023204402 (5C)
 2023206147 (4C) 2023208195 (5C) 2023214321 (5C)
 2023214362 (25D) 2023216839 (5C) 2023248199 (4C)

2024

2024200548 (4C) 2024201166 (4C) 2024201255 (5CN)
 2024202078 (5CN) 2024202079 (5CN) 2024202237 (5CN)
 2024202238 (5CN) 2024202241 (5CN) 2024216415 (4B)
 2024219371 (12AN) 2024901601 (12AN) 2024901661 (12AN)
 2024901728 (12AN)

2025

2025201568 (1B) 2025203531 (12BN)

Assignments before Grant, Section 113

2019

2019222462 DermTech, Inc. The application has been assigned to **DermTech, LLC**

2019254701 Fondazione Telethon ETS The application has been assigned to **Fondazione Telethon ETS; Association Française contre les Myopathies (AFM)**

2019319953 Bellerophon Therapeutics, Inc. The application has been assigned to **MALLINCKRODT PHARMACEUTICALS IRELAND LIMITED**

2019446196 Zhejiang Zhuji United Chemicals Co., Ltd. The application has been assigned to **Max(Rudong) Chemicals Co., Ltd.**

2020

2020204681 Bellerophon Therapeutics, Inc. The application has been assigned to **MALLINCKRODT PHARMACEUTICALS IRELAND LIMITED**

2020247911 DermTech, Inc. The application has been assigned to **DermTech, LLC**

2020252368 DermTech, Inc. The application has been assigned to **DermTech, LLC**

2020269272 Graco Minnesota Inc.; Van Laer,, Hubertus J. The application has been assigned to **Van Laer Technology B.V.; Graco Minnesota Inc.**

2020281701 Frieslandcampina Nederland B.V.; Universiteit Maastricht The application has been assigned to **FrieslandCampina Nederland B.V.**

Assignments before Grant, Section 113

2020320349 ABL Bio Inc.; Yuhan Corporation The application has been assigned to **Yuhan Corporation**

2020412498 Vai Photonics Pty Ltd The application has been assigned to **Advanced Navigation Pty Ltd**

2021

2021210974 Nanocopoeia, LLC The application has been assigned to **Handa Therapeutics, LLC**

2021213122 Bellerophon Therapeutics, Inc. The application has been assigned to **MALLINCKRODT PHARMACEUTICALS IRELAND LIMITED**

2021240328 Iconic Equestrian Pty Ltd The application has been assigned to **Coleman, Kate**

2021248265 Sintef TTO The application has been assigned to **EQUINOR ENERGY AS**

2021267387 DermTech, Inc. The application has been assigned to **DermTech, LLC**

2021281427 Bellerophon Therapeutics, Inc. The application has been assigned to **MALLINCKRODT PHARMACEUTICALS IRELAND LIMITED**

2021327863 GOLDMAN SACHS & CO. LLC The application has been assigned to **Cisco Technology, Inc.**

2021344644 Tanea Medical AB The application has been assigned to **Polaris Antibodies AB**

2021406650 GT APEIRON THERAPEUTICS LIMITED; EXSCIENTIA AI LIMITED The application has been assigned to **Recursion Pharmaceuticals, Inc.**

2021408684 GT APEIRON THERAPEUTICS LIMITED; EXSCIENTIA AI LIMITED The application has been assigned to **Recursion Pharmaceuticals, Inc.**

2021471764 AKUNAH MEDICAL TECHNOLOGY PTY LTD The application has been assigned to **Akunah Reflect Private Limited**

2022

2022203391 Apt Garden Creations Limited The application has been assigned to **APT GARDEN CREATIONS 2025 LIMITED**

2022218905 SENSEFUL TECHNOLOGIES AB The application has been assigned to **NeuroRehab Technologies OÜ**

2022286437 DERMTECH, INC. The application has been assigned to **DermTech, LLC**

2022304736 VAI PHOTONICS PTY LTD The application has been assigned to **Advanced Navigation Pty Ltd**

Assignments before Grant, Section 113**2023**

2023203543 **BIORA THERAPEUTICS, INC.** The application has been assigned to **BT BidCo, Inc.**

2023234434 **OCULUS SURGICAL, INC.** The application has been assigned to **Oculus Optikgeräte GmbH**

2023258883 **SYSTEM KOREA CO.,LTD.** The application has been assigned to **DOSI Co., Ltd.; SYSTEM KOREA CO.,LTD.**

2023331664 **SRU INNOVATIONS LTD** The application has been assigned to **Magla Ltd**

2023374976 **MOLLI SURGICAL INC.** The application has been assigned to **Stryker Corporation**

2024

2024202374 **Mobidiag Ltd** The application has been assigned to **Gen-Probe Incorporated**

2024901507 **Hardrock Mining Solutions Pty Ltd** The application has been assigned to **Strata Support Technologies Pty Ltd**

2025

2025900930 **Low, Aaron; Baars, Sylvia; Savoie, Maxime; Hodge, Nikolas** The application has been assigned to **Amaea Limited**

Extensions of Time, Section 223**Applications Received**

Notice of opposition under Section 223(6) to the undermentioned application(s) for an extension of time may be lodged at the Patent Office within the prescribed time.

2012

2012332568 **Cortex Composites, LLC** An application to extend the time from 31 Oct 2024 to 31 May 2025 in which to pay a renewal fee has been filed . Address for service - Davies Collison Cave Pty Ltd Level 4, 7 Macquarie Place Sydney NSW 2000 AU

2015

2015203393 **AABP Holdings Pty Ltd** An application to extend the time from 19 Jun 2024 to 19 Jan 2025 in which to pay a renewal fee has been filed . Address for service - Sandercock & Cowie 1/410 Burwood Highway Wantirna South VIC 3152 AU

2015334553 **Oryxeio Ingeniería Limitada; Innoveco Australia Pty. Ltd.** An application to extend the time from 16 Oct 2024 to 16 May 2025 in which to pay a renewal fee has been filed . Address for service - Armour IP Pty Ltd PO Box 3099 Broadway Nedlands WA 6009 AU

2016

2016332963 **Star Systems International, Ltd.** An application to extend the time from 30 Sep 2024 to 30 Apr 2025 in which to pay a renewal fee has been filed . Address for service - Madderns Pty Ltd GPO Box 2752 Adelaide SA 5001 AU

Extensions of Time, Section 223**2017**

2017353302 **Aurora Labs Limited** An application to extend the time from 31 Oct 2024 to 31 May 2025 in which to pay a renewal fee has been filed . Address for service - WRAYS PTY LTD L7, 863 Hay St Perth WA 6000 AU

2020

2020310565 **QID Oy** An application to extend the time from 10 Jul 2024 to 10 Apr 2025 in which to pay a renewal fee has been filed . Address for service - MEYER WEST IP PO Box 6251 Baulkham Hills NSW 2153 AU

2020346037 **Veracio Ltd.; Global Tech Corporation Pty Ltd.** An application to extend the time from 11 Sep 2024 to 11 Apr 2025 in which to pay a continuation fee has been filed . Address for service - FPA Patent Attorneys Pty Ltd ANZ Tower, 161 Castlereagh Street Sydney NSW 2000 AU

Applications Allowed - Section 223(2)**2011**

2011369802 **Wockhardt Limited** The time in which to pay a renewal fee has been extended to 01 Mar 2025 . Address for service - Oxygene IP Level 1 70 Doncaster Road BALWYN NORTH VIC 3104 AU

2014

2014265089 **Dalian Locomotive and Rolling Stock Co.,Ltd.CNR Group** The time in which to pay a renewal fee has been extended to 24 Jan 2025 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2014265103 **Dalian Locomotive and Rolling Stock Co.,Ltd.CNR Group** The time in which to pay a renewal fee has been extended to 23 Jan 2025 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2014324079 **Ali-Jak Holdings Pty Ltd** The time in which to pay a renewal fee has been extended to 18 Oct 2024 . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

2014360100 **Myrfield, W.** The time in which to pay a renewal fee has been extended to 07 Feb 2025 . Address for service - PHILLIPS OR-MONDE FITZPATRICK PO Box 323 COLLINS STREET WEST VIC 8007 AU

2016

2016304615 **CRRC Dalian Co.,Ltd.** The time in which to pay a renewal fee has been extended to 04 Jan 2025 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2018

2018100224 **Godwin, L.; Sidhu, S.** The time in which to pay a renewal fee has been extended to 21 Oct 2024 . Address for service - Armour IP Pty Ltd PO Box 3099 Broadway Nedlands WA 6009 AU

2020

2020430123 **Academia Sinica** The time in which to request examination has been extended to 26 Mar 2025 . Address for service - Davies

Extensions of Time, Section 223

Collision Cave Pty Ltd Level 4, 7 Macquarie Place Sydney NSW 2000 AU

2021

2021202264 **Wilcox Industries Corp.** The time in which to request examination has been extended to 21 Apr 2025 . Address for service - WRAYS PTY LTD L7, 863 Hay St Perth WA 6000 AU

2021246544 **Creative Hinge Pty Ltd** The time in which to request examination has been extended to 07 Apr 2025 . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

2021281502 **HOVER Inc.** The time in which to request examination has been extended to 04 Jun 2025 . Address for service - Davies Collision Cave Pty Ltd Level 15, 1 Nicholson Street MELBOURNE VIC 3000 AU

2021281640 **Forest Master Limited** The time in which to request examination has been extended to 04 Jun 2025 . Address for service - Richard Lock 23649/1 Mowla Dr Ashmore QLD 4214 AU

2021284976 **Einsen Innovations Pty Ltd** The time in which to request examination has been extended to 12 Jun 2025 . Address for service - Patenteur Pty Ltd Amberley Business Centre, IBM Building, L 3 1060 Hay St West Perth WA 6005 AU

2022

2022279525 **China Coal Technology & Engineering Group Chongqing Research Institute Co. Ltd** The time in which to pay the acceptance fee has been extended to 19 May 2025 . Address for service - TIDY TEND GLOBAL PTY LTD 252 Waverley Rd Malvern East VIC 3145 AU

2023

2023202830 **Acres Technology** The time in which to pay a continuation fee has been extended to 11 Feb 2025 . Address for service - IP Sentinels PO Box 1014 South Perth WA 6951 AU

2023266313 **Atrium Medical Corporation** The time in which to pay a continuation fee has been extended to 22 Feb 2025 . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

2023315768 **THE BOARD OF REGENTS OF THE UNIVERSITY OF OKLAHOMA** The time in which to enter the National Phase has been extended to 28 Mar 2025 . Address for service - PHILLIPS ORMONDE FITZPATRICK PO Box 323 COLLINS STREET WEST VIC 8007 AU

2025

2025201541 **École de Technologie Supérieure** The time in which to make a further application for a divisional patent has been extended to 23 Mar 2025 . Address for service - Allens Patent & Trade Mark Attorneys 101 Collins Street MELBOURNE VIC 3000 AU

2025202311 **CLIFTON DEVELOPMENT AND DESIGNS PTY LTD** The time in which to make a further application for a divisional patent has been extended to 28 Apr 2025 . Address for service - MBIP PO Box 78 Red Hill QLD 4059 AU

2025202896 **AP Protein Holdings Pty Ltd** The time in which to make a further application for a divisional patent has been extended to 23 May

Extensions of Time, Section 223

2025 . Address for service - Wrays Pty Ltd 78 North Tce Kent Town SA 5067 AU

Section 223(1) Allowances

2021

2021103899 **Rudder Technology Pty Ltd** The time in which to pay a renewal fee has been extended to 21 May 2025

Amendments

Applications for Amendment

A person interested in opposing the allowance of amendments under Section 104 may at any time within two months from the date of this journal give notice at the Patent Office using the approved form accompanied by the prescribed fee.

A person who wishes to be heard in relation to a proposed Rectification of the Register must file a request to be heard within two months from the date of this journal.

2017

2017325729 Compositions and methods for improving taste of non-nutritive sweeteners **PepsiCo, Inc.** The nature of the amendment is as shown in the statement(s) filed 29 Nov 2024 . Address for service - Allens Patent & Trade Mark Attorneys 101 Collins Street MELBOURNE VIC 3000 AU

2019

2019227638 Mounting and dismounting system for a battery assembly **SANDVIK MINING AND CONSTRUCTION OY** The nature of the amendment is as shown in the statement(s) filed 22 Apr 2025 . Address for service - Phillips Ormonde Fitzpatrick Level 16 333 Collins Street Melbourne VIC 3000 AU

2019431385 Growth Stent And Valve For Congenital Narrowings **Renata Medical, Inc.** The nature of the amendment is: Add the name of co-inventor Nia, Nima . Address for service - Pearce IP Pty Ltd Level 3, 32 Martin Place Sydney NSW 2000 AU

2020

2020204322 RAINWATER PRODUCTS **BlueScope Steel Limited** The nature of the amendment is as shown in the statement(s) filed 25 Mar 2025 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

2020208448 Intravenous device with integrated sensors **Becton, Dickinson and Company** The nature of the amendment is as shown in the statement(s) filed 02 Apr 2025 . Address for service - FB Rice Pty Ltd Level 29 126 Phillip Street Sydney NSW 2000 AU

2021

2021104744 METHOD AND SYSTEM FOR STATUS MONITORING AND FAULT EARLY WARNING BASED ON LUBRICATING OIL LIQUID **Shenyang Shunyi Technology Co., Ltd.** The nature of the amendment is: Remove the name of co-inventors CHEN, Yuefeng; LI,

Amendments

Yingshun; MA, Xiong and WANG, Jinyang . Address for service - Patentec Patent Attorneys L11, 65 York Street Sydney NSW 2000 AU

2022

2022201168 Growth Stent And Valve For Congenital Narrowings **Renata Medical, Inc.** The nature of the amendment is: Add the name of co-inventor Nia, Nima . Address for service - Pearce IP Pty Ltd Level 3, 32 Martin Place Sydney NSW 2000 AU

2023

2023202388 Methods and systems for managing content subscription data **Rovi Guides, Inc.** The nature of the amendment is as shown in the statement(s) filed 29 Apr 2025 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2023219796 DEVICE FOR APPLYING EMULSION COMPOSITIONS **The Procter & Gamble Company** The nature of the amendment is as shown in the statement(s) filed 19 Mar 2025 . Address for service - AJ PARK PO Box 949 Wellington 6140 NZ

2023219887 Activatable interleukin-2 polypeptides and methods of use thereof **Werewolf Therapeutics, Inc.** The nature of the amendment is as shown in the statement(s) filed 21 May 2025 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2023237138 STRAPPING TOOL **Signode Industrial Group LLC** The nature of the amendment is as shown in the statement(s) filed 20 May 2025 . Address for service - PHILLIPS ORMONDE FITZPATRICK PO Box 323 COLLINS STREET WEST VIC 8007 AU

Amendments Made

2008

2008266131 **Amgen Inc.** The nature of the amendment is as shown in the statement filed 07 Feb 2025

2014

2014376225 **Amgen Inc.** The nature of the amendment is as shown in the statement filed 11 Feb 2025

2014380174 **Amgen Inc.** The nature of the amendment is as shown in the statement filed 11 Feb 2025

2017

2017245601 **Boehringer Ingelheim Vetmedica GmbH** The nature of the amendment is as shown in the statements filed 06 Feb 2025 and 7 Feb 2025

2017343422 **Nanjing Legend Biotech Co., Ltd.** The nature of the amendment is as shown in the statement filed 31 Oct 2024

2018

2018201844 **Amgen Inc.** The nature of the amendment is as shown in the statements filed 11 Feb 2025 and 13 Feb 2025

2018238202 **QBiotech Pty Ltd** The nature of the amendment is as shown in the statement filed 29 Jan 2025

Amendments

2018264100 **Amgen Inc.** The nature of the amendment is as shown in the statement filed 11 Feb 2025

2018440861 **Techtronic Cordless GP** The nature of the amendment is: Application is to proceed under the number 2018102261

2019

2019234843 **GRAIL, INC** The nature of the amendment is: To amend the applicant name to GRAIL, INC

2019249422 **GRAIL, INC** The nature of the amendment is: To amend the applicant name to GRAIL, INC

2019261597 **GRAIL, INC** The nature of the amendment is: To amend the applicant name to GRAIL, INC

2019276585 **safeBVM Corp.** The nature of the amendment is as shown in the statement filed 22 Feb 2025

2019278013 **Hua Medicine (Shanghai) Ltd.** The nature of the amendment is: Amend the invention title to read PHARMACEUTICAL COMBINATION, COMPOSITION, AND COMBINATION FORMULATION CONTAINING GLUCOKINASE ACTIVATOR AND BIGUANIDE HYPOGLYCEMIC DRUG AS WELL AS PREPARATION METHODS AND USES THEREOF

2019297158 **Elta Systems Ltd.** The nature of the amendment is as shown in the statement filed 25 Feb 2025

2019351130 **GRAIL, INC** The nature of the amendment is: To amend the applicant name to GRAIL, INC

2019404445 **GRAIL, INC** The nature of the amendment is: To amend the applicant name to GRAIL, INC

2019457152 **Technique Co., Ltd.** The nature of the amendment is: Amend the invention title to read METHOD FOR GRINDING PLASTIC WASTE AND METHOD FOR MANUFACTURING SYNTHETIC RESIN MOLDED PRODUCT USING PLASTIC WASTE

2020

2020212057 **GRAIL, INC** The nature of the amendment is: To amend the applicant name to GRAIL, INC

2020213431 **Greenfield Global Inc.** The nature of the amendment is as shown in the statement filed 09 Oct 2024

2020217719 **GRAIL, INC** The nature of the amendment is: To amend the applicant name to GRAIL, INC

2020219853 **GRAIL, INC** The nature of the amendment is: To amend the applicant name to GRAIL, INC

2020239681 **Amgen Inc.** The nature of the amendment is as shown in the statement filed 11 Feb 2025

2020254695 **GRAIL, INC** The nature of the amendment is: To amend the applicant name to GRAIL, INC

Amendments

2020281026 **Miles, S.** The nature of the amendment is as shown in the statement filed 21 Mar 2024

2020370160 **illumina, Inc.** The nature of the amendment is as shown in the statement filed 10 Feb 2025

2020391488 **GRAIL, INC** The nature of the amendment is: To amend the applicant name to GRAIL, INC

2020408215 **GRAIL, INC** The nature of the amendment is: To amend the applicant name to GRAIL, INC

2021

2021285756 **Massachusetts Institute of Technology** The nature of the amendment is as shown in the statement filed 12 May 2025

2021285819 **Advent Therapeutics, Inc.** The nature of the amendment is: Amend the name of the inventor to read GELFAND, Craig Alan; SEGAL, Robert and LOPEZ, David Lawrence

2021290996 **Lipp, I.** The nature of the amendment is as shown in the statement filed 16 May 2025

2021291065 **AC Immune SA** The nature of the amendment is: Amend the invention title to read DIHYDROOXAZOLE AND THIOUREA OR UREA DERIVATIVES MODULATING THE NLRP3 INFLAMMASOME PATHWAY

2022

2022325153 **GRAIL, INC** The nature of the amendment is: To amend the applicant name to GRAIL, INC

2022341177 **GRAIL, INC** The nature of the amendment is: To amend the applicant name to GRAIL, INC

2022354825 **GC CORPORATION** The nature of the amendment is: Amend the invention title to read METHOD OF COLORING DENTAL BLOCK AND DENTAL BLOCK

2022424000 **HADASIT MEDICAL RESEARCH SERVICES AND DEVELOPMENT LTD.; GRAIL, INC; YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD.** The nature of the amendment is: To amend the applicant name to HADASIT MEDICAL RESEARCH SERVICES AND DEVELOPMENT LTD. and GRAIL, Inc and YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD.

2023

2023100077 **Allersinn Pty Ltd** The nature of the amendment is as shown in the statement filed 08 Apr 2025

2023201728 **Instrumentation Laboratory Company** The nature of the amendment is as shown in the statement filed 25 Feb 2025

2023255602 **Nexpring US Opco Inc.** The nature of the amendment is: To amend the applicant name to Nexpring US Opco Inc.

Amendments

2023324665 **UNIVERSITY OF WYOMING** The nature of the amendment is: Amend the name of the inventor to read VOVK, Nykya; PFEIFFER, Trina Igelsrud; BELL, David and BEHRENS, Paul

2023358553 **GEORGIA STATE UNIVERSITY RESEARCH FOUNDATION, INC.** The nature of the amendment is: Amend the name of the inventor to read LIU, Zhi-Ren and HUANG, Yang

2023358704 **SUMITOMO PHARMA AMERICA, INC.** The nature of the amendment is as shown in the statement filed 13 May 2025

2023375461 **THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY** The nature of the amendment is: Amend the name of the inventor to read APPEL, Eric, A.; D'AQUINO, Andrea I.; DONG, Changxin; MEANY, Emily Louise; NGUYEN, Leslee; SONG, Ye Eun and WILLIAMS, Christian Milton

2023378021 **LG ENERGY SOLUTION, LTD.** The nature of the amendment is: Amend the invention title to read Battery abnormality diagnosis apparatus and operating method thereof

2023378023 **LG ENERGY SOLUTION, LTD.** The nature of the amendment is: Amend the invention title to read Battery abnormality diagnosis apparatus and operating method thereof

2023381002 **LG ELECTRONICS INC.** The nature of the amendment is: Amend the invention title to read Laundry treating apparatus and method for manufacturing same

2023392944 **WEATHERFORD TECHNOLOGY HOLDINGS, LLC** The nature of the amendment is: Amend the invention title to read X-Ray Identification Of Connections In A Tubular String

2024

2024202146 **GRAIL, INC** The nature of the amendment is: To amend the applicant name to GRAIL, INC

2024221819 **H. LUNDBECK A/S** The nature of the amendment is: Amend the invention title to read Treatment of opioid-induced pain

2024278868 **NANJING CHERVON INDUSTRY CO., LTD.** The nature of the amendment is: Amend the invention title to read POWER TOOL

2024280540 **CHONGQING CHANGAN AUTOMOBILE CO., LTD.** The nature of the amendment is: Amend the invention title to read CONTROL METHOD AND APPARATUS, VEHICLE, AND STORAGE MEDIUM

2024349492 **QINGDAO PORT INTERNATIONAL CO., LTD.; FEIMA BIN (QINGDAO) INTELLIGENT TECHNOLOGY CO., LTD.; QINGDAO QIANWAN WEST PORT UNITED TERMINAL CO., LTD.** The nature of the amendment is: Amend the invention title to read Clamping attachment for palletizing bundled goods in warehousing

2024901507 **Strata Support Technology Pty Ltd** The nature of the amendment is: To amend the applicant name to Strata Support Technology Pty Ltd

Alteration of Name(s) of Applicant(s)/Patentee(s)

Amendments**2008**

2008207349 FCI Holdings Delaware, Inc. The name of the patentee has been altered to **FCI Holdings Delaware, LLC**

2012

2012267199 FCI Holdings Delaware, Inc. The name of the patentee has been altered to **FCI Holdings Delaware, LLC**

2013

2013355063 New US Opco Inc. The name of the patentee has been altered to **Nexpring US Opco Inc.**

2013356415 New US Opco Inc. The name of the patentee has been altered to **Nexpring US Opco Inc.**

2014

2014215940 FCI Holdings Delaware, Inc. The name of the patentee has been altered to **FCI Holdings Delaware, LLC**

2014241919 New US Opco Inc. The name of the patentee has been altered to **Nexpring US Opco Inc.**

2015

2015203478 FCI Holdings Delaware, Inc. The name of the patentee has been altered to **FCI Holdings Delaware, LLC**

2016

2016209974 FCI Holdings Delaware, Inc. The name of the patentee has been altered to **FCI Holdings Delaware, LLC**

2017

2017101914 FCI Holdings Delaware, Inc. The name of the patentee has been altered to **FCI Holdings Delaware, LLC**

2017290237 Grail, LLC The name of the patentee has been altered to **GRAIL, INC**

2017332855 FCI Holdings Delaware, Inc. The name of the patentee has been altered to **FCI Holdings Delaware, LLC**

2018

2018204352 FCI Holdings Delaware, Inc. The name of the patentee has been altered to **FCI Holdings Delaware, LLC**

2020

2020100343 FCI Holdings Delaware, Inc. The name of the patentee has been altered to **FCI Holdings Delaware, LLC**

2020100717 FCI Holdings Delaware, Inc. The name of the patentee has been altered to **FCI Holdings Delaware, LLC**

2020222506 FCI Holdings Delaware, Inc. The name of the applicant has been altered to **FCI Holdings Delaware, LLC**

Amendments

2020228396 Bayer Animal Health GmbH The name of the applicant has been altered to **Elanco Animal Health GmbH**

2021

2021104741 FCI Holdings Delaware, Inc. The name of the patentee has been altered to **FCI Holdings Delaware, LLC**

2021105904 FCI Holdings Delaware, Inc. The name of the patentee has been altered to **FCI Holdings Delaware, LLC**

2021106794 FCI Holdings Delaware, Inc. The name of the patentee has been altered to **FCI Holdings Delaware, LLC**

2021200391 Grail, LLC The name of the patentee has been altered to **GRAIL, INC**

2021221472 FCI Holdings Delaware, Inc. The name of the applicant has been altered to **FCI Holdings Delaware, LLC**

2021290175 Sasol Chemicals GmbH The name of the applicant has been altered to **SASOL CHEMIE GMBH & CO KG**

2022

2022292096 ELANCO TIERGESUNDHEIT AG; BAYER ANIMAL HEALTH GMBH The name of the applicant has been altered to **EL-ANCO TIERGESUNDHEIT AG; Elanco Animal Health GmbH**

2023

2023202083 FCI Holdings Delaware, Inc. The name of the applicant has been altered to **FCI Holdings Delaware, LLC**

2023280061 FCI Holdings Delaware, Inc. The name of the applicant has been altered to **FCI Holdings Delaware, LLC**

2024

2024257046 THYSSENKRUPP NUCERA AG & CO. KGAA The name of the applicant has been altered to **thyssenkrupp nucera AG & Co. KGaA**

2024903593 FCI Holdings Delaware, Inc. The name of the applicant has been altered to **FCI Holdings Delaware, LLC**

Applications Open to Public Inspection

Name Index

- . (*) Title not in Roman characters
 . (**) Title not given

(71) Ablynx NV
 (11) AU-A-2025203430
 (21) 2025203430 (22) 13.05.2025
 (54) Improved serum albumin binders
 (51) Int. Cl.
C07K 16/18 (2006.01)
 (43) 05.06.2025
 (62) 2018209151
 (72) STAELSENS, Stephanie; STEFFENSEN, Soren; MORIZZO, Erika; CERDOBBEL, An
 (74) Spruson & Ferguson

(71) Adobe Inc.
 (11) AU-A-2024219513
 (21) 2024219513 (22) 09.09.2024
 (54) MULTI-ATTRIBUTE INVERSION FOR TEXT-TO-IMAGE SYNTHESIS
 (51) Int. Cl.
G06T 11/60 (2006.01)
G06T 5/60 (2024.01)
 (31) 18/513,071 (32) 17.11.23 (33) US
 (43) 05.06.2025
 (72) Shukla, Tripti; Karanam, Srikrishna; Srinivasan, Balaji Vasan; Agarwal, Aishwarya
 (74) RnB IP Pty Ltd

(71) Advanced Lithium Electrochemistry Co., Ltd.
 (11) AU-A-2024203522
 (21) 2024203522 (22) 27.05.2024
 (54) Preparation method of iron phosphate precursor for batteries
 (51) Int. Cl.
H01M 4/58 (2010.01)
C01B 25/37 (2006.01)
C01G 49/02 (2006.01)
H01M 4/13 (2010.01)
 (31) 112144673 (32) 20.11.23 (33) TW
 (43) 05.06.2025
 (72) WANG, Jing-Xuan; FU, Kuan-Yin; HUANG, An-Feng
 (74) Spruson & Ferguson

(71) Advanced Lithium Electrochemistry Co., Ltd.
 (11) AU-A-2024203523
 (21) 2024203523 (22) 27.05.2024
 (54) Preparation method of iron phosphate precursor for batteries
 (51) Int. Cl.
C01B 25/37 (2006.01)
C01G 49/02 (2006.01)
H01M 4/58 (2010.01)
 (31) 112144672 (32) 20.11.23 (33) TW

(43) 05.06.2025
 (72) FU, Kuan-Yin; WANG, Jing-Xuan; HUANG, An-Feng
 (74) Spruson & Ferguson

(71) AKS COMPANY MANAGEMENT PTY LTD
 (11) AU-A-2025203579
 (21) 2025203579 (22) 16.05.2025
 (54) LIQUID MIXING APPARATUS
 (51) Int. Cl.
B01F 13/00 (2006.01)
B01F 3/00 (2006.01)
B01F 15/00 (2006.01)
 (43) 05.06.2025
 (62) 2023201722
 (72) MCKAY, Damien
 (74) Churchill Attorneys

(71) ALLEN HOUSE MIRROR & GLASS PTY LIMITED
 (11) AU-A-2024264672
 (21) 2024264672 (22) 15.11.2024
 (54) A Shower Recess and Kit
 (51) Int. Cl.
A47K 3/30 (2006.01)
A47K 3/28 (2006.01)
E04B 2/74 (2006.01)
E04B 2/82 (2006.01)
E05D 7/081 (2006.01)
 (31) 2023903684 (32) 16.11.23 (33) AU
 (43) 05.06.2025
 (72) HOUSE, ALLEN
 (74) Fraser Old & Sohn

(71) Amgen Inc.
 (11) AU-A-2025203511
 (21) 2025203511 (22) 15.05.2025
 (54) Single-use auto-injector
 (51) Int. Cl.
A61M 5/145 (2006.01)
A61M 5/142 (2006.01)
A61M 5/20 (2006.01)
A61M 5/315 (2006.01)
A61M 5/32 (2006.01)
 (43) 05.06.2025
 (62) 2023202885
 (72) KNUDSEN, Hans Stenberg; PLAM-BECH, Christian; OHLENSCHLAEGER, Rasmus; JORGENSEN, Jorgen
 (74) Spruson & Ferguson

(71) KNUDSEN, Hans Stenberg; PLAM-BECH, Christian; OHLENSCHLAEGER, Rasmus; JORGENSEN, Jorgen
 (74) Spruson & Ferguson

(71) Amicus Therapeutics, Inc.
 (11) AU-A-2025203557
 (21) 2025203557 (22) 16.05.2025
 (54) RECOMBINANT HUMAN ACID ALPHA-GLUCOSIDASE
 (51) Int. Cl.
A61K 38/47 (2006.01)
A61P 21/00 (2006.01)

A61P 25/00 (2006.01)
A61P 43/00 (2006.01)
C12N 9/26 (2006.01)
 (43) 05.06.2025
 (62) 2018270925
 (72) Do, Hung; Gotschall, Russell; Khanna, Richie; Lun, Yi; Char, Hing; Tesler, Sergey; Sunderland, Wendy; Diloné, Enrique
 (74) Dark IP

(71) Amin, A.
 (11) AU-A-2023266393
 (21) 2023266393 (22) 18.11.2023
 (54) EFFERVESCENT PROTEIN AND DIETARY SUPPLEMENTS FOR HUMANS
 (51) Int. Cl.
A61K 9/46 (2006.01)
A23L 2/395 (2006.01)
A23L 2/40 (2006.01)
A23L 2/52 (2006.01)
A23L 2/56 (2006.01)
A23L 2/66 (2006.01)
A23L 33/00 (2016.01)
A23L 33/10 (2016.01)
A23L 33/175 (2016.01)
A23L 33/19 (2016.01)
 (43) 05.06.2025
 (72) Ali Amin; Stephanie Davies
 (74) Ali Amin

(71) Angel Group Co., Ltd.
 (11) AU-A-2025203551
 (21) 2025203551 (22) 15.05.2025
 (54) FRAUD DETECTION SYSTEM IN CASINO
 (51) Int. Cl.
G07C 11/00 (2006.01)
A47B 25/00 (2006.01)
G06T 7/00 (2017.01)
 (43) 05.06.2025
 (62) 2025201070
 (72) Shigeta, Yasushi
 (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Angel Group Co., Ltd.
 (11) AU-A-2025203556
 (21) 2025203556 (22) 16.05.2025
 (54) Game token management system
 (51) Int. Cl.
G07F 17/32 (2006.01)
G06K 19/00 (2006.01)
H04B 5/00 (2024.01)
 (43) 05.06.2025
 (62) 2023237204
 (72) Shigeta, Yasushi
 (74) Davies Collison Cave Pty Ltd

Applications Open to Public Inspection - Name Index cont'd

(71) Anric Developments Pty Limited
(11) AU-A-2023270249
(21) 2023270249 (22) 21.11.2023
(54) Hi-rail apparatus
(51) Int. Cl.
B60F 1/04 (2006.01)
B60F 1/00 (2006.01)
B61D 15/00 (2006.01)
(43) 05.06.2025
(72) Anthony SPINOZZI
(74) FB Rice Pty Ltd

(71) Arbutus Biopharma Corporation
(11) AU-A-2025203605
(21) 2025203605 (22) 19.05.2025
(54) Novel lipids and compositions for the delivery of therapeutics
(51) Int. Cl.
A61K 47/00 (2006.01)
A61K 31/01 (2006.01)
(43) 05.06.2025
(62) 2023255012
(72) Manoharan, Muthiah; Jayaraman, Muthusamy; Rajeev, Kallanthottathil G.; Eltepu, Laxman; Ansell, Steven; Chen, Jianxin
(74) Davies Collison Cave Pty Ltd

(71) Arbutus Biopharma Corporation
(11) AU-A-2025203606
(21) 2025203606 (22) 19.05.2025
(54) NOVEL LIPIDS AND COMPOSITIONS FOR THE DELIVERY OF THERAPEUTICS
(51) Int. Cl.
A61K 47/00 (2006.01)
A61K 31/01 (2006.01)
(43) 05.06.2025
(62) 2023255012
(72) Manoharan, Muthiah; Jayaraman, Muthusamy; Rajeev, Kallanthottathil G.; Eltepu, Laxman; Ansell, Steven; Chen, Jianxin
(74) Davies Collison Cave Pty Ltd

(71) Aristocrat Technologies, Inc.
(11) AU-A-2024264737
(21) 2024264737 (22) 18.11.2024
(54) GAMING SYSTEMS AND OPERATIONS INCLUDING WALKING SYMBOLS WITH PERSISTENT FEATURES
(51) Int. Cl.
G07F 17/32 (2006.01)
(31) 18/949,643 (32) 15.11.24 (33) US 63/601,811 22.11.23 US
(43) 05.06.2025
(72) CHING, Erick; DECASA Jr., Rogelio; FARINA, Nicholas; HOPKINS, Scott; McKAY, Ginette; MIZZI, Jennifer; RICHARDSON, Steven; WARMS, Nathan; HICKOX, Deanna; LOCKHEED, Kelly; SMITH, Zachary
(74) James & Wells Intellectual Property

(71) Aristocrat Technologies Australia Pty Limited
(11) AU-A-2025203529

(21) 2025203529 (22) 15.05.2025
(54) GAMING MACHINE WITH CURRENT THEORETICAL RETURN-TO-PLAYER DISPLAY AND DYNAMIC ADJUSTMENT OF SAME
(51) Int. Cl.
G07F 17/32 (2006.01)
(43) 05.06.2025
(62) 2019204663
(72) Steven, SANTISI
(74) Griffith Hack

(71) ARRIS Enterprises LLC
(11) AU-A-2025203577
(21) 2025203577 (22) 16.05.2025
(54) Distributed storage of state information and session recovery using state information
(51) Int. Cl.
H04L 29/08 (2006.01)
(43) 05.06.2025
(62) 2019359900
(72) CLARK, Dan Leverett; ROMRELL, David A.
(74) Davies Collison Cave Pty Ltd

(71) B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
(11) AU-A-2025203558
(21) 2025203558 (22) 16.05.2025
(54) Image data encoding/decoding method and apparatus
(51) Int. Cl.
H04N 19/625 (2014.01)
H04N 19/103 (2014.01)
H04N 19/11 (2014.01)
H04N 19/119 (2014.01)
H04N 19/124 (2014.01)
H04N 19/129 (2014.01)
H04N 19/13 (2014.01)
H04N 19/134 (2014.01)
H04N 19/176 (2014.01)
H04N 19/51 (2014.01)
(43) 05.06.2025
(62) 2024201779
(72) KIM, Ki Baek
(74) FB Rice Pty Ltd

(71) B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
(11) AU-A-2025203560
(21) 2025203560 (22) 16.05.2025
(54) Image data encoding/decoding method and apparatus
(51) Int. Cl.
H04N 19/625 (2014.01)
H04N 19/103 (2014.01)
H04N 19/11 (2014.01)
H04N 19/119 (2014.01)
H04N 19/124 (2014.01)
H04N 19/129 (2014.01)
H04N 19/13 (2014.01)
H04N 19/134 (2014.01)
H04N 19/176 (2014.01)
H04N 19/51 (2014.01)
(43) 05.06.2025
(62) 2024201779
(72) KIM, Ki Baek
(74) FB Rice Pty Ltd

(43) 05.06.2025
(62) 2024201779
(72) KIM, Ki Baek
(74) FB Rice Pty Ltd

(71) B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
(11) AU-A-2025203561
(21) 2025203561 (22) 16.05.2025
(54) Image data encoding/decoding method and apparatus
(51) Int. Cl.
H04N 19/625 (2014.01)
H04N 19/103 (2014.01)
H04N 19/11 (2014.01)
H04N 19/119 (2014.01)
H04N 19/124 (2014.01)
H04N 19/129 (2014.01)
H04N 19/13 (2014.01)
H04N 19/134 (2014.01)
H04N 19/176 (2014.01)
H04N 19/51 (2014.01)
(43) 05.06.2025
(62) 2024201779
(72) KIM, Ki Baek
(74) FB Rice Pty Ltd

(71) B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
(11) AU-A-2025203562
(21) 2025203562 (22) 16.05.2025
(54) Image data encoding/decoding method and apparatus
(51) Int. Cl.
H04N 19/625 (2014.01)
H04N 19/103 (2014.01)
H04N 19/11 (2014.01)
H04N 19/119 (2014.01)
H04N 19/124 (2014.01)
H04N 19/129 (2014.01)
H04N 19/13 (2014.01)
H04N 19/134 (2014.01)
H04N 19/176 (2014.01)
H04N 19/51 (2014.01)
(43) 05.06.2025
(62) 2024201779
(72) KIM, Ki Baek
(74) FB Rice Pty Ltd

(71) B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
(11) AU-A-2025203565
(21) 2025203565 (22) 16.05.2025
(54) Image data encoding/decoding method and apparatus
(51) Int. Cl.
H04N 19/625 (2014.01)
H04N 19/103 (2014.01)
H04N 19/11 (2014.01)
H04N 19/119 (2014.01)
H04N 19/124 (2014.01)
H04N 19/129 (2014.01)
H04N 19/13 (2014.01)
H04N 19/134 (2014.01)
H04N 19/176 (2014.01)
H04N 19/51 (2014.01)
(43) 05.06.2025
(62) 2024201779
(72) KIM, Ki Baek
(74) FB Rice Pty Ltd

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(71) B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
(11) AU-A-2025203566
(21) 2025203566 (22) 16.05.2025
(54) Image data encoding/decoding method and apparatus
(51) Int. Cl.
H04N 19/625 (2014.01)
H04N 19/103 (2014.01)
H04N 19/11 (2014.01)
H04N 19/119 (2014.01)
H04N 19/124 (2014.01)
H04N 19/129 (2014.01)
H04N 19/13 (2014.01)
H04N 19/134 (2014.01)
H04N 19/176 (2014.01)
H04N 19/51 (2014.01)
(43) 05.06.2025
(62) 2024201779
(72) KIM, Ki Baek
(74) FB Rice Pty Ltd

(71) B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
(11) AU-A-2025203567
(21) 2025203567 (22) 16.05.2025
(54) Image data encoding/decoding method and apparatus
(51) Int. Cl.
H04N 19/625 (2014.01)
H04N 19/103 (2014.01)
H04N 19/11 (2014.01)
H04N 19/119 (2014.01)
H04N 19/124 (2014.01)
H04N 19/129 (2014.01)
H04N 19/13 (2014.01)
H04N 19/134 (2014.01)
H04N 19/176 (2014.01)
H04N 19/51 (2014.01)
(43) 05.06.2025
(62) 2024201779
(72) KIM, Ki Baek
(74) FB Rice Pty Ltd

(71) B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
(11) AU-A-2025203570
(21) 2025203570 (22) 16.05.2025
(54) Image data encoding/decoding method and apparatus
(51) Int. Cl.
H04N 19/625 (2014.01)
H04N 19/103 (2014.01)
H04N 19/11 (2014.01)
H04N 19/119 (2014.01)
H04N 19/124 (2014.01)
H04N 19/129 (2014.01)
H04N 19/13 (2014.01)
H04N 19/134 (2014.01)
H04N 19/176 (2014.01)
H04N 19/51 (2014.01)
(43) 05.06.2025
(62) 2024201779
(72) KIM, Ki Baek
(74) FB Rice Pty Ltd

(71) B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
(11) AU-A-2025203573

(21) 2025203573 (22) 16.05.2025
(54) Image data encoding/decoding method and apparatus
(51) Int. Cl.
H04N 19/625 (2014.01)
H04N 19/103 (2014.01)
H04N 19/11 (2014.01)
H04N 19/119 (2014.01)
H04N 19/124 (2014.01)
H04N 19/129 (2014.01)
H04N 19/13 (2014.01)
H04N 19/134 (2014.01)
H04N 19/176 (2014.01)
H04N 19/51 (2014.01)
(43) 05.06.2025
(62) 2024201779
(72) KIM, Ki Baek
(74) FB Rice Pty Ltd

(71) BNX Research
(11) AU-A-2023270206
(21) 2023270206 (22) 21.11.2023
(54) Nutritional composition targeting increases in SIRT1 protein, AMPK enzyme, NAD+ levels to reduce BMI in obese individuals.
(51) Int. Cl.
A61K 31/706 (2006.01)
A23L 33/00 (2016.01)
A23L 33/10 (2016.01)
A61K 31/047 (2006.01)
A61K 31/05 (2006.01)
A61K 31/14 (2006.01)
A61K 31/352 (2006.01)
A61K 31/4188 (2006.01)
A61K 31/593 (2006.01)
A61K 33/14 (2006.01)
(43) 05.06.2025
(72) Blake Norris
(74) BNX Research

(71) BRUGG eConnect AG
(11) AU-A-2025203578
(21) 2025203578 (22) 16.05.2025
(54) Coolable individual line and charging cable
(51) Int. Cl.
H01B 7/42 (2006.01)
B60L 53/18 (2019.01)
B60L 53/302 (2019.01)
(43) 05.06.2025
(62) 2021237677
(72) OSLISLOK, Tomasz; VALL MARTINEZ, Albert
(74) GLMR

C. I. Takironcivil Corporation see Nichimo Corporation
(21) 2025203512

C. I. Takiron Corporation see Nichimo Corporation
(21) 2025203512

(71) Capital One Services, LLC
(11) AU-A-2025203581

(21) 2025203581 (22) 16.05.2025
(54) Systems and methods for cryptographic authentication of contactless cards
(51) Int. Cl.
G06Q 20/32 (2012.01)
(43) 05.06.2025
(62) 2019354421
(72) RULE, Jeffrey; CHIGURUPATI, Srinivasa; OSBORN, Kevin
(74) Spruson & Ferguson

(71) Capital One Services, LLC
(11) AU-A-2025203585
(21) 2025203585 (22) 16.05.2025
(54) Systems and methods for cryptographic authentication of contactless cards
(51) Int. Cl.
G06Q 20/40 (2012.01)
G06Q 20/10 (2012.01)
G06Q 20/22 (2012.01)
G06Q 20/34 (2012.01)
(43) 05.06.2025
(62) 2019355878
(72) ILINCIC, Rajko; RULE, Jeffrey; HERINGTON, Daniel
(74) Spruson & Ferguson

(71) Castip Industrial Co., Ltd.
(11) AU-A-2024201625
(21) 2024201625 (22) 13.03.2024
(54) CONNECTOR ASSEMBLY AND LANYARD LOOP HAVING THE SAME
(51) Int. Cl.
F16G 11/03 (2006.01)
(31) 112212689 (32) 22.11.23 (33) TW
(43) 05.06.2025
(72) Huang, Kuo-Hsin; Huang, Kuo-Jung
(74) PHILLIPS ORMONDE FITZPATRICK

(71) CATERPILLAR INC.
(11) AU-A-2024227759
(21) 2024227759 (22) 30.10.2024
(54) SYSTEMS AND METHODS FOR OBSTACLE ANALYSIS ASSOCIATED WITH A TRAVEL PATH OF A MACHINE
(51) Int. Cl.
G01S 17/931 (2020.01)
B60W 30/095 (2012.01)
(31) 18/513683 (32) 20.11.23 (33) US
(43) 05.06.2025
(72) KIRSCH, Karl
(74) FPA Patent Attorneys Pty Ltd

(71) Chemocentryx, Inc.
(11) AU-A-2025203542
(21) 2025203542 (22) 15.05.2025
(54) Triaryl compounds for treatment of PD-L1 diseases
(51) Int. Cl.
A61K 31/513 (2006.01)
A61K 31/03 (2006.01)
A61K 31/505 (2006.01)
C07C 25/02 (2006.01)
C07C 25/24 (2006.01)
C07D 247/02 (2006.01)

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(43) 05.06.2025
(62) 2020276277
(72) FAN, Pingchen; LANGE, Christopher; MALI, Venkat Reddy; MCMURTRIE, Darren J.; MALATHONG, Viengkham; PUNNA, Sreenivas; SINGH, Rajinder; YANG, Ju; ZENG, Yibin; ZHANG, Penglie
(74) Spruson & Ferguson

(71) China Mobile Communication Co., Ltd Research Institute; China Mobile Communications Group Co., Ltd.
(11) AU-A-2025203604
(21) 2025203604 (22) 19.05.2025
(54) Data transmission method, terminal, and network node
(51) Int. Cl.
H04W 28/02 (2009.01)
(43) 05.06.2025
(62) 2021319594
(72) CHAI, Li
(74) Adams Pluck

China Mobile Communications Group Co., Ltd. see China Mobile Communication Co., Ltd Research Institute
(21) 2025203604

(71) CHINA SATELLITE NETWORK INNOVATION CO., LTD
(11) AU-A-2023462921
(21) 2023462921 (22) 22.11.2023
(54) METHODS FOR BROADCASTING AND RECEIVING SYSTEM INFORMATION, APPARATUS, DEVICE AND STORAGE MEDIUM
(51) Int. Cl.
H04W 48/08 (2009.01)
H04W 8/18 (2009.01)
H04W 24/04 (2009.01)
H04W 36/34 (2009.01)
(43) 05.06.2025
(72) QI, Dongqing; MANG, Ge; ZHANG, Lu; MA, Dongjun
(74) James & Wells Intellectual Property

(71) Clover Corporation Limited
(11) AU-A-2025203446
(21) 2025203446 (22) 13.05.2025
(54) Protein encapsulation of nutritional and pharmaceutical compositions
(51) Int. Cl.
A23L 33/115 (2016.01)
A23K 20/158 (2016.01)
A23L 29/10 (2016.01)
A23L 33/12 (2016.01)
A23P 10/30 (2016.01)
A23P 10/35 (2016.01)
A61K 9/10 (2006.01)
A61K 9/14 (2006.01)
A61K 9/50 (2006.01)
A61K 47/24 (2006.01)
A61K 47/44 (2017.01)
B01J 13/02 (2006.01)
B01J 13/04 (2006.01)
B01J 13/12 (2006.01)

C11C 1/02 (2006.01)
(43) 05.06.2025
(62) 2019310346
(72) URBAN-ALANDETE, Lourdes; ELLIOTT, Glenn; CHENG, Mek; WANG, Bo; RYAN, Jessica
(74) Davies Collison Cave Pty Ltd

(71) Compass Therapeutics LLC
(11) AU-A-2025203580
(21) 2025203580 (22) 16.05.2025
(54) Agonist antibodies that bind human CD137 and uses thereof
(51) Int. Cl.
C07K 16/28 (2006.01)
(43) 05.06.2025
(62) 2018301393
(72) BOBROWICZ, Piotr; WIDBOOM, Paul; SCHMIDT, Michael March; LAJOIE, Jason M.; TIGHE III, Robert V.; LEUNG, Cheuk, Lun; ESKIOCAK, Ugur
(74) Davies Collison Cave Pty Ltd

(71) Conway, J.
(11) AU-A-2024227764
(21) 2024227764 (22) 30.10.2024
(54) SIDE-MOUNTED GARBAGE BIN CLEANING SYSTEM
(51) Int. Cl.
B08B 9/093 (2006.01)
B08B 9/34 (2006.01)
B65F 3/04 (2006.01)
B65F 7/00 (2006.01)
(31) 18/518,009 (32) 22.11.23 (33) US
(43) 05.06.2025
(72) Conway, John
(74) Franke Hyland Pty Ltd

(71) CREDENCE ID, LLC
(11) AU-A-2025202647
(21) 2025202647 (22) 15.04.2025
(54) VERIFICATION PLATFORM FOR ON-LINE DIGITAL IDENTITY
(51) Int. Cl.
G06F 21/64 (2013.01)
G06F 21/32 (2013.01)
G06F 21/33 (2013.01)
G06Q 20/02 (2012.01)
G06Q 20/32 (2012.01)
G06Q 20/36 (2012.01)
G06Q 20/38 (2012.01)
G06Q 20/40 (2012.01)
H04L 9/00 (2022.01)
(43) 05.06.2025
(62) PCT/US2023/082924
(72) HANSON, Bruce; SHAH, Yash; MYSOORE, Ravishankar; ARALAGUPPI, Vijeth; AIELLO, Kai; PRASANNA, Suman Kumar Sanjeev; PATEL, Smit S.
(74) Kings Patent & Trade Marks Attorneys Pty Ltd

(71) CREDENCE ID, LLC
(11) AU-A-2025202649
(21) 2025202649 (22) 15.04.2025
(54) VERIFICATION PLATFORM FOR ON-LINE DIGITAL IDENTITY

(51) Int. Cl.
G06F 21/64 (2013.01)
G06F 21/32 (2013.01)
G06F 21/33 (2013.01)
(43) 05.06.2025
(62) PCT/US2023/082924
(72) HANSON, Bruce; SHAH, Yash; MYSOORE, Ravishankar; ARALAGUPPI, Vijeth; AIELLO, Kai; PRASANNA, Suman Kumar Sanjeev; PATEL, Smit S.
(74) Kings Patent & Trade Marks Attorneys Pty Ltd

(71) CSR Building Products Limited
(11) AU-A-2024264617
(21) 2024264617 (22) 13.11.2024
(54) Ventilator Ember Guard
(51) Int. Cl.
F24F 13/28 (2006.01)
F04D 29/70 (2006.01)
F24F 7/02 (2006.01)
(31) 2023903697 (32) 16.11.23 (33) AU
2024900278 07.02.24 AU
2024901511 22.05.24 AU
(43) 05.06.2025
(72) Ifat, Mohammad Ishfaqur Rahman; Thangamuthu, Sathiaselalan; Stewart, Warren Steven; Timi, Joe
(74) Griffith Hack

(71) CSR Building Products Limited
(11) AU-A-2024264626
(21) 2024264626 (22) 13.11.2024
(54) Ventilator
(51) Int. Cl.
F24F 7/02 (2006.01)
A62C 2/06 (2006.01)
(31) 2023903696 (32) 16.11.23 (33) AU
(43) 05.06.2025
(72) Ifat, Mohammad; Stewart, Warren; Thangamuthu, Sathia
(74) Griffith Hack

(71) Cummins Power Generation Inc.
(11) AU-A-2024266735
(21) 2024266735 (22) 20.11.2024
(54) Hierarchical power control
(51) Int. Cl.
B60L 58/40 (2019.01)
B60L 58/30 (2019.01)
B60L 58/32 (2019.01)
H02J 7/34 (2006.01)
(31) 63/601,665 (32) 21.11.23 (33) US
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(43) 05.06.2025
(72) SCHEUERELL, Michael James; RAUT, Akshat Abhay; GEORGAS, Jonathan W.
(74) FB Rice Pty Ltd

(71) Daintree Property Holdings Pty Ltd
(11) AU-A-2024204322
(21) 2024204322 (22) 24.06.2024
(54) Flat-pack kit for constructing a building structure and associated method of manufacture
(51) Int. Cl.

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(71) Dose Medical Corporation (11) AU-A-2025203519 (21) 2025203519 (22) 15.05.2025 (54) Bioerodible cross-linked hydrogel implants and related methods of use (51) Int. Cl. A61B 5/00 (2006.01) A61B 5/0215 (2006.01) A61B 5/026 (2006.01) (43) 05.06.2025 (62) 2020325194 (72) HUGHES, Patrick Michael; MUSTAJAJ, Ina (74) Spruson & Ferguson	(71) Fisher & Paykel Healthcare Limited (11) AU-A-2025203509 (21) 2025203509 (22) 15.05.2025 (54) PRESSURIZING MASKS, SYSTEMS AND METHODS (51) Int. Cl. A61M 16/00 (2006.01) (43) 05.06.2025 (62) 2023200651 (72) O'DONNELL, Kevin Peter; KIRTON, Robert Stuart; TATKOV, Stanislav; BABBAGE, Sean Joel; BARKER, Dean Antony (74) AJ PARK	C12Q 1/6818 (2018.01) (43) 05.06.2025 (62) 2024219342 (72) AUBIN-WALKER, Sheila; MAJLESSI, Mehrdad R.; PHAM, Jimmykim; BOUSQUET, Joshua (74) FB Rice Pty Ltd
(71) Dyer, G. (11) AU-A-2023270196 (21) 2023270196 (22) 20.11.2023 (54) Method of Arthropod Egress (51) Int. Cl. A61K 31/7048 (2006.01) A01N 25/04 (2006.01) A01N 43/90 (2006.01) A01N 65/28 (2009.01) A01P 7/00 (2006.01) A61K 9/107 (2006.01) A61K 47/36 (2006.01) A61K 47/44 (2017.01) A61P 33/14 (2006.01) (43) 05.06.2025 (72) Gordon Dyer (74) Gordon Wayne Dyer	(71) Five Prime Therapeutics, Inc. (11) AU-A-2025203545 (21) 2025203545 (22) 15.05.2025 (54) Afucosylated anti-FGFR2IIIb antibodies (51) Int. Cl. C07K 16/28 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) (43) 05.06.2025 (62) 2021245169 (72) HARDING, Thomas; PIERCE, Kristen; PATIL, Namrata; BRENNAN, Thomas; HAMBLETON, Julie (74) WRAYS PTY LTD	(71) Getzner Werkstoffe Holding GmbH (11) AU-A-2024266771 (21) 2024266771 (22) 21.11.2024 (54) Turnout for a track system for rail vehicles (51) Int. Cl. E01B 7/22 (2006.01) E01B 3/46 (2006.01) E01B 9/68 (2006.01) E01B 19/00 (2006.01) (31) A 136/2023 (32) 22.11.23 (33) AT (43) 05.06.2025 (72) LOY, Harald; AUGUSTIN, Andreas; HEIM, Markus (74) FB Rice Pty Ltd
(71) Edwards Lifesciences Corporation (11) AU-A-2025203586 (21) 2025203586 (22) 16.05.2025 (54) Heart valve sealing devices and delivery devices therefor (51) Int. Cl. A61F 2/24 (2006.01) (43) 05.06.2025 (62) 2020223047 (72) DIXON, Eric Robert; FRESCHAUF, Lauren R.; FOREMAN, Rachel Liat David; GOHRES, Rachel Ann; POPP, Michael J.; OKOS, Chris J.; OBERWISE, Eric Michael; FORD, Steven M.; KEPLINGER, Stefan Florian (74) Spruson & Ferguson	(71) Gauthier Biomedical, Inc. (11) AU-A-2024264713 (21) 2024264713 (22) 18.11.2024 (54) RATCHETING MECHANISM FOR A TOOL (51) Int. Cl. B25B 13/46 (2006.01) B25B 15/04 (2006.01) B25B 23/16 (2006.01) B25G 3/22 (2006.01) F16D 41/08 (2006.01) F16D 41/12 (2006.01) F16D 41/16 (2006.01) (31) 18/515,738 (32) 21.11.23 (33) US (43) 05.06.2025 (72) Gauthier, Michael T.; Wollner, Raymond (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd	(71) GILEAD SCIENCES, INC. (11) AU-A-2025203602 (21) 2025203602 (22) 19.05.2025 (54) KHK inhibitors (51) Int. Cl. C07D 401/14 (2006.01) A61P 1/16 (2006.01) A61P 3/00 (2006.01) C07D 403/04 (2006.01) C07D 403/14 (2006.01) C07D 417/14 (2006.01) C07D 491/20 (2006.01) C07D 498/20 (2006.01) (43) 05.06.2025 (62) 2022252182 (72) BACHMAN, James L.; BYUN, Daniel H.; CLARK, Christopher T.; JANSKA, Petr; KAPLAN, Joshua A.; KASUN, Zachary A.; LO, Jennifer R.; NEUBIG, Megan E.; STANLEY, Nathaniel H.; STEVENS, Kirk L. (74) FPA Patent Attorneys Pty Ltd
(71) ELI LILLY AND COMPANY (11) AU-A-2025203515 (21) 2025203515 (22) 15.05.2025 (54) Methods for Treating Obstructive Sleep Apnea (51) Int. Cl. A61K 31/33 (2006.01) A61K 38/00 (2006.01) A61K 38/16 (2006.01) A61K 31/00 (2006.01)	(71) Genentech, Inc. (11) AU-A-2025202853 (21) 2025202853 (22) 23.04.2025 (54) Methods of making antibodies (51) Int. Cl. C07K 16/28 (2006.01) C12N 5/10 (2006.01) (43) 05.06.2025 (62) 2020268399 (72) JOSHI, Kamal Kishore; CARTER, Paul J.; YIN, Yiyuan (74) Griffith Hack	(71) Glenmark Specialty S.A. (11) AU-A-2025203489 (21) 2025203489 (22) 14.05.2025 (54) Dispensing device and pharmaceutical composition for the treatment of rhinitis (51) Int. Cl. A61M 15/08 (2006.01) A61K 31/58 (2006.01) (43) 05.06.2025 (62) 2023270308 (72) Dhuppad, Ulhas R.; Katkurwar, Ashok; Gupta, Yashwant; Ankam, Rajesh; Dhattrak, Chandrakant; Khairatkar-Joshi, Neelima; Kulkarni, Abhay; Pradeep Wale, Dinesh; Mansingh Bho-sale, Vikram; Agarwal, Piyush; Keo-

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(74) Davies Collison Cave Pty Ltd

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(54) NASAL SPRAY COMPOSITION

(51) Int. Cl.

A61K 31/57 (2006.01)

A61K 9/08 (2006.01)

A61K 9/14 (2006.01)

A61K 31/55 (2006.01)

A61K 47/26 (2006.01)

(31) 202321078834 (32) 21.11.23 (33) IN

(43) 05.06.2025

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(74) Davies Collison Cave Pty Ltd

(71) Greenlands Distributors Pty Ltd

(11) AU-A-2024266744

(21) 2024266744 (22) 20.11.2024

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(51) Int. Cl.

B65F 1/16 (2006.01)

B65F 1/14 (2006.01)

(31) 2023903745 (32) 21.11.23 (33) AU

(43) 05.06.2025

(72) Wynne, Andrew

(74) WRAYS PTY LTD

(71) GTE Group Pty Ltd

(11) AU-A-2024264709

(21) 2024264709 (22) 15.11.2024

(54) ANTI COLLISION TEST SYSTEM

(51) Int. Cl.

G05B 19/4061 (2006.01)

G01S 5/00 (2006.01)

G05B 19/042 (2006.01)

G05D 1/693 (2024.01)

B60W 30/095 (2012.01)

G01S 13/93 (2020.01)

G01S 13/931 (2020.01)

(31) 2023903760 (32) 22.11.23 (33) AU

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(72) GIBSON, Michael; HADASSIN, Lee

(74) Integrated IP

(71) Gyrus ACMI, Inc. D/B/A Olympus Surgical Technologies America

(11) AU-A-2025203505

(21) 2025203505 (22) 15.05.2025

(54) FORCEPS GUIDE PLUG

(51) Int. Cl.

A61B 17/29 (2006.01)

A61B 18/14 (2006.01)

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A61B 18/00 (2006.01)

(43) 05.06.2025

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(72) PHAM, Hanam; MENSCH, John; WARD, Zane R.; BLUS, Theodore C.; HOLTON, Jeffrey D.; HOLMAN, Thomas J.; KRATOSKA, William; FIKSEN, Christian J.; Moe, Riyad;

KROLL, Mark; BEHYMER, Bruce; NELSON, Jeffrey J.; BOONE, Eric J.; BULTER, William E.

(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Harbour Biomed (Shanghai), Co., Ltd.

(11) AU-A-2025203483

(21) 2025203483 (22) 14.05.2025

(54) Binding Protein Having H2L2 And HCAB Structures

(51) Int. Cl.

A61K 39/395 (2006.01)

A61K 38/16 (2006.01)

A61P 35/00 (2006.01)

C07K 19/00 (2006.01)

(43) 05.06.2025

(62) 2021302126

(72) HE, Yun; SHI, Lei; LUO, Haishan; LV, Qiang; HE, Jinqiu; PEI, Zenglin; WANG, Yongqiang; ZHONG, Chen; HUANG, Bing; ZHAO, Jianxun; JIA, Xingxing; ZHANG, Xuekun; ZHAO, Chuchu; CHEN, Fei; NIU, Lei; ZHOU, Wei; TAN, Xiangyang; RONG, Yiping

(74) WRAYS PTY LTD

(71) HI LLC

(11) AU-A-2025203523

(21) 2025203523 (22) 15.05.2025

(54) PHOTODETECTOR SYSTEMS WITH LOW-POWER TIME-TO-DIGITAL CONVERTER ARCHITECTURES

(51) Int. Cl.

G04F 10/00 (2006.01)

A61B 5/00 (2006.01)

(43) 05.06.2025

(62) 2020287839

(72) SORGENFREI, Sebastian; DAHLE, Jacob; FIELD, Ryan; DO VALLE, Bruno; JIN, Rong

(74) AJ PARK

(71) HONEYWELL INTERNATIONAL INC.

(11) AU-A-2024227465

(21) 2024227465 (22) 18.10.2024

(54) SIX-WAY BLADE ORIENTATION DETERMINATION FROM LIFTING MOVEMENT

(51) Int. Cl.

G01B 5/00 (2006.01)

G01B 5/10 (2006.01)

G01B 5/24 (2006.01)

(31) 18/517996 (32) 22.11.23 (33) US

(43) 05.06.2025

(72) MIN, Yanling; CAO, Xiao; SHEN, Zhizhen; LI, Jingwei

(74) Davies Collison Cave Pty Ltd

(71) HONEYWELL INTERNATIONAL INC.

(11) AU-A-2024227466

(21) 2024227466 (22) 18.10.2024

(54) SENSOR INSTALLATION CALIBRATION FOR SIX-WAY BLADE MONITORING

(51) Int. Cl.

E02F 3/84 (2006.01)

E02F 3/815 (2006.01)

G01P 15/00 (2006.01)

G01P 15/14 (2013.01)

G01P 15/18 (2013.01)

G01P 21/00 (2006.01)

(31) 18/517954 (32) 22.11.23 (33) US

(43) 05.06.2025

(72) CAO, Xiao; MIN, Yanling; SHEN, Zhizhen; LI, Jingwei; YU, Siqin

(74) Davies Collison Cave Pty Ltd

(71) Huawei Technologies Co., Ltd.

(11) AU-A-2025203491

(21) 2025203491 (22) 14.05.2025

(54) AN ENCODER, A DECODER AND CORRESPONDING METHODS FOR INTER PREDICTION

(51) Int. Cl.

H04N 19/159 (2014.01)

H04N 19/14 (2014.01)

H04N 19/68 (2014.01)

H04N 19/82 (2014.01)

(43) 05.06.2025

(62) 2023203444

(72) Solovyev, Timofey Mikhailovich; Esenlik, Semih; Chen, Jianle; Kotra, Anand Meher; Gao, Han; Wang, Biao; Chernyak, Roman Igorevich; Karabutov, Alexander Alexandrovich; Ikonin, Sergey Yurievich

(74) PHILLIPS ORMONDE FITZPATRICK

(71) ICM Co., Ltd.

(11) AU-A-2025201905

(21) 2025201905 (22) 17.03.2025

(54) Pharmaceutical composition for treating retinal diseases, comprising Nkx3.2 and fragment thereof as active ingredients

(51) Int. Cl.

A61K 38/17 (2006.01)

A61K 48/00 (2006.01)

A61P 27/02 (2006.01)

(43) 05.06.2025

(62) 2018445968

(72) KIM, Dae-Won; YUM, Young-Na; RYU, Heui-Young; JEONG, Da-Un; CHOI, Seung-Won

(74) FB Rice Pty Ltd

(71) IGT

(11) AU-A-2025203498

(21) 2025203498 (22) 14.05.2025

(54) System and Method for Providing Financial Account Rewards Program

(51) Int. Cl.

G06Q 30/02 (2023.01)

G07F 17/32 (2006.01)

(43) 05.06.2025

(62) 2019204652

(72) Higgins, Kevin; Shepherd, Jeffery; Davis, Dwayne A.; Fisher, Andrew

(74) Integrated IP

(71) Illinois Tool Works Inc.

(11) AU-A-2024259869

(21) 2024259869 (22) 11.11.2024

(54) Cutting tool

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(51) Int. Cl.
B28D 1/18 (2006.01)
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 EP24204934.4 07.10.24 EP
 (43) 05.06.2025
 (72) PERRIER, Matthieu; TOURNIER,
 Ludovic
 (74) Davies Collison Cave Pty Ltd

(71) Illinois Tool Works Inc.
 (11) AU-A-2024264579
 (21) 2024264579 (22) 12.11.2024
 (54) Extension pole for driving tool
 (51) Int. Cl.
B25C 7/00 (2006.01)
B25G 1/04 (2006.01)
B25G 3/24 (2006.01)
 (31) 2312896 (32) 22.11.23 (33) FR
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 (43) 05.06.2025
 (72) SIMONIN, Jean-Luc
 (74) Davies Collison Cave Pty Ltd

(71) Immusoft Corporation
 (11) AU-A-2025202508
 (21) 2025202508 (22) 09.04.2025
 (54) B CELLS FOR IN VIVO DELIVERY
 OF THERAPEUTIC AGENTS AND
 DOSAGES THEREOF
 (51) Int. Cl.
A61K 35/17 (2015.01)
A61K 48/00 (2006.01)
C12N 5/0781 (2010.01)
C12N 5/10 (2006.01)
C12N 15/09 (2006.01)
 (43) 05.06.2025
 (62) 2018256887
 (72) Scholz, Matthew Rein; Herbig, Eric J.;
 McIvor, R. Scott; De Laat, Rian; Olson,
 Erik
 (74) Davies Collison Cave Pty Ltd

(71) Imtrade Australia Pty Ltd
 (11) AU-A-2024264694
 (21) 2024264694 (22) 15.11.2024
 (54) Formulations
 (51) Int. Cl.
A01N 43/54 (2006.01)
A01N 25/00 (2006.01)
A01N 25/14 (2006.01)
A01P 13/00 (2006.01)
G01N 21/80 (2006.01)
 (31) 2023903711 (32) 17.11.23 (33) AU
 (43) 05.06.2025
 (72) MCPHEE, Neil; RAINBIRD, Ross
 (74) Spruson & Ferguson

(71) Imtrade Australia Pty Ltd
 (11) AU-A-2024266779
 (21) 2024266779 (22) 21.11.2024
 (54) Pesticide formulation comprising captan
 and means to monitor the stability
 thereof
 (51) Int. Cl.
A01N 47/04 (2006.01)

A01N 25/00 (2006.01)
A01N 25/14 (2006.01)
A01P 3/00 (2006.01)
G01N 21/80 (2006.01)
 (31) 2023903748 (32) 21.11.23 (33) AU
 (43) 05.06.2025
 (72) MCPHEE, Neil; RAINBIRD, Ross
 (74) Spruson & Ferguson

(71) Incyte Corporation
 (11) AU-A-2025203436
 (21) 2025203436 (22) 13.05.2025
 (54) Treatment paradigm for an anti-CD19
 antibody and venetoclax combination
 treatment
 (51) Int. Cl.
C07K 16/28 (2006.01)
A61K 31/00 (2006.01)
A61K 39/395 (2006.01)
A61P 35/00 (2006.01)
 (43) 05.06.2025
 (62) 2018276384
 (72) KELEMEN, Peter; SCHWARZ, Michael;
 WINDERLICH, Mark; HEEGER, Stef-
 fen; WEINELT, Dominika
 (74) Spruson & Ferguson

(71) Inno-Sports Co., Ltd.
 (11) AU-A-2024205580
 (21) 2024205580 (22) 07.08.2024
 (54) FOLDABLE BED.
 (51) Int. Cl.
A47C 19/02 (2006.01)
A47C 17/64 (2006.01)
A47C 19/00 (2006.01)
 (31) 18/795,567 (32) 06.08.24 (33) US
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 (43) 05.06.2025
 (72) Choi, Kwan Jun
 (74) Pizeys Patent and Trade Mark Attor-
 neys Pty Ltd

(71) Instrumentation Laboratory Company
 (11) AU-A-2025203534
 (21) 2025203534 (22) 15.05.2025
 (54) OPTICAL ANALYTE SENSOR
 (51) Int. Cl.
G01N 21/01 (2006.01)
G01N 33/48 (2006.01)
 (43) 05.06.2025
 (62) 2023210627
 (72) Vo, Trong-Hoang; Balasubramanian,
 Shankar; Byers, Liam; Wang, Yu
 (74) Pizeys Patent and Trade Mark Attor-
 neys Pty Ltd

(71) i-SENS, Inc.
 (11) AU-A-2025203521
 (21) 2025203521 (22) 15.05.2025
 (54) Continuous glucose monitoring device
 (51) Int. Cl.
A61B 5/15 (2006.01)
A61B 5/00 (2006.01)
A61B 5/145 (2006.01)

(43) 05.06.2025
 (62) 2022231709
 (72) KANG, Young Jea; WANG, Ji Hoon;
 RYU, Goang Yel; CHOI, Hyun Ho;
 CHAE, Kyung Chul
 (74) LAMINAR IP PTY LTD

(71) Johnson & Johnson Vision Care, Inc.
 (11) AU-A-2025203500
 (21) 2025203500 (22) 14.05.2025
 (54) Rotationally stabilized contact lens with
 improved comfort and improved stabil-
 ization utilizing optimized stiffness pro-
 files
 (51) Int. Cl.
G02C 7/04 (2006.01)
 (43) 05.06.2025
 (62) 2019203774
 (72) RICHARDSON, Gary
 (74) Spruson & Ferguson

(71) KABUSHIKI KAISHA TOYOTA
 JIDOSHOKKI
 (11) AU-A-2024227549
 (21) 2024227549 (22) 23.10.2024
 (54) Control device and control method
 (51) Int. Cl.
F01N 11/00 (2006.01)
F01N 3/021 (2006.01)
F01N 3/18 (2006.01)
 (31) 2023-197107 (32) 21.11.23 (33) JP
 (43) 05.06.2025
 (72) KUBOTA, Takahiro
 (74) Griffith Hack

(71) KABUSHIKI KAISHA TOYOTA
 JIDOSHOKKI
 (11) AU-A-2024264553
 (21) 2024264553 (22) 12.11.2024
 (54) Exhaust purification system for internal
 combustion engine
 (51) Int. Cl.
F01N 3/023 (2006.01)
F01N 9/00 (2006.01)
F01N 11/00 (2006.01)
 (31) 2023-197321 (32) 21.11.23 (33) JP
 (43) 05.06.2025
 (72) OTSUBO, Yasuhiko
 (74) Griffith Hack

(71) KABUSHIKI KAISHA TOYOTA
 JIDOSHOKKI
 (11) AU-A-2024264554
 (21) 2024264554 (22) 12.11.2024
 (54) Wheel load estimation device, vehicle,
 program, and wheel load estimation
 method
 (51) Int. Cl.
B60W 40/13 (2012.01)
B60T 8/172 (2006.01)
 (31) 2023-196314 (32) 17.11.23 (33) JP
 (43) 05.06.2025
 (72) HATTORI, Tatsuya; YAMAGUCHI,
 Hiroyuki; AMANO, Masateru; HATTORI,
 Yoshikazu
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(11) AU-A-2025203492
(21) 2025203492 (22) 14.05.2025
(54) Ophthalmic composition
(51) Int. Cl.
A61K 9/00 (2006.01)
A61K 31/00 (2006.01)
A61L 12/14 (2006.01)
(43) 05.06.2025
(62) 2023201534
(72) BAI, Minggi; HOLEVA, Kenneth T.
(74) Spruson & Ferguson

(71) KOREA ZINC CO., LTD.
(11) AU-A-2024343385
(21) 2024343385 (22) 24.04.2024
(54) SYSTEM AND METHOD FOR CONTROLLING AUTO PUSH OF INJECTOR
(51) Int. Cl.
F27D 21/04 (2006.01)
F27D 3/00 (2006.01)
(31) 10-2023-0163460 (32) 22.11.23 (33) KR
(43) 05.06.2025
(72) KIM, Seung Hyun; LEE, Woll Seung
(74) ET Intellectual Property

(71) Lávish Extensions
(11) AU-A-2024201586
(21) 2024201586 (22) 10.03.2024
(54) Invisible Tape Weft - hair extension
(51) Int. Cl.
A41G 5/00 (2006.01)
(31) 2023903645 (32) 13.11.23 (33) AU
(43) 05.06.2025
(72) de Souza Rego, Giovanna
(74) Lávish Extensions

(71) MAN WAH FURNITURE MANUFACTURING (SHENZHEN) CO., LTD.
(11) AU-A-2024361194
(21) 2024361194 (22) 29.04.2024
(54) ANGLE ADJUSTMENT SYSTEM
(51) Int. Cl.
A47C 7/38 (2006.01)
B60N 2/838 (2018.01)
(31) 202323179293.8 (32) 23.11.23 (33) CN
(43) 05.06.2025
(72) CHEN, Weiming
(74) Remarkable IP

(71) MAN WAH FURNITURE MANUFACTURING (SHENZHEN) CO., LTD.
(11) AU-A-2024361195
(21) 2024361195 (22) 28.04.2024
(54) ELASTIC ASSEMBLY, CONNECTION COMPONENT, AND FOOTREST ASSEMBLY OF SOFA
(51) Int. Cl.
A47C 31/02 (2006.01)
(31) 202323179235.5 (32) 23.11.23 (33) CN
(43) 05.06.2025
(72) CHEN, Weiming
(74) Remarkable IP

(71) MAN WAH FURNITURE MANUFACTURING (SHENZHEN) CO., LTD.
(11) AU-A-2024361196
(21) 2024361196 (22) 29.04.2024
(54) HOOK COMPONENT AND SOFA BACKREST ASSEMBLY
(51) Int. Cl.
A47C 17/86 (2006.01)
A47C 17/02 (2006.01)
(31) 202323180284.0 (32) 23.11.23 (33) CN
(43) 05.06.2025
(72) CHEN, Weiming
(74) Remarkable IP

(71) Mayo Foundation for Medical Education and Research
(11) AU-A-2025203575
(21) 2025203575 (22) 16.05.2025
(54) Combination treatment for resistant hypertension
(51) Int. Cl.
C07K 14/58 (2006.01)
A61K 38/00 (2006.01)
A61P 9/12 (2006.01)
A61P 13/12 (2006.01)
(43) 05.06.2025
(62) 2019375988
(72) BURNETT Jr., John C.; DZHOY-ASHVILI, Nina
(74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

(71) MFTB Holdco, Inc.
(11) AU-A-2024200741
(21) 2024200741 (22) 07.02.2024
(54) Automated building information determinations from floor plan structural analysis
(51) Int. Cl.
G06F 30/13 (2020.01)
G01C 21/20 (2006.01)
G06F 3/04815 (2022.01)
G06T 7/55 (2017.01)
G06T 7/60 (2017.01)
G06T 7/73 (2017.01)
G06T 17/00 (2006.01)
G06T 17/05 (2011.01)
(31) 18/511980 (32) 16.11.23 (33) US
(43) 05.06.2025
(72) Wang, Lichen; Khosravan, Naji; Gudapati, Sai Sateesh
(74) Davies Collison Cave Pty Ltd

(71) Monsanto Technology LLC
(11) AU-A-2025203490
(21) 2025203490 (22) 14.05.2025
(54) LOW VOLATILITY HERBICIDAL COMPOSITIONS
(51) Int. Cl.
A01N 37/02 (2006.01)
A01N 37/40 (2006.01)
A01N 39/04 (2006.01)
A01N 57/20 (2006.01)
A01P 13/00 (2006.01)
(43) 05.06.2025
(62) 2023200861
(72) Zhang, Junhua; Wright, Daniel R; Hemminghaus, John W; Macinnes, Alison
(74) Griffith Hack

(71) NANTCELL, INC.
(11) AU-A-2025202995
(21) 2025202995 (22) 29.04.2025
(54) MODIFIED T CELL RECEPTORS FOR THE PREVENTION AND TREATMENT OF VIRAL INFECTIONS AND CANCER
(51) Int. Cl.
C07K 14/725 (2006.01)
A61K 39/00 (2006.01)
A61P 35/00 (2006.01)
C07K 14/705 (2006.01)
C07K 14/74 (2006.01)
(43) 05.06.2025
(62) 2022317127
(72) OLSON, Clifford; GARBÁN, Hermes; NELSON, Jay; NIAZI, Kayvan; RODRIGUEZ, Noe; SIELING, Peter; SIXTO, Marcos; HIGASHIDE, Wendy
(74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

Nantcell Inc. see Nant Holdings IP, LLC
(21) 2025203389

(71) Nant Holdings IP, LLC; Nantcell Inc.
(11) AU-A-2025203389
(21) 2025203389 (22) 12.05.2025
(54) Vaccine compositions for mucosal immune response
(51) Int. Cl.
A61K 39/215 (2006.01)
A61K 9/48 (2006.01)
A61K 39/145 (2006.01)
A61P 31/14 (2006.01)
C07K 14/005 (2006.01)
C12N 9/48 (2006.01)
C12N 15/86 (2006.01)
(43) 05.06.2025
(62) 2021349286
(72) SOON-SHIONG, Patrick; GABITZSCH, Elizabeth; PEYKOV, Victor
(74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

(71) NEC Platforms, Ltd.
(11) AU-A-2025203590
(21) 2025203590 (22) 17.05.2025
(54) ELECTRONIC LOCK CONTROL APPARATUS, ELECTRONIC LOCK CONTROL SYSTEM, ELECTRONIC LOCK CONTROL METHOD, AND PROGRAM
(51) Int. Cl.
E05B 49/00 (2006.01)
H04M 9/00 (2006.01)
(43) 05.06.2025
(62) 2019329178
(72) TAMURA, Kunihiro
(74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Nichimo Corporation; C. I. Takironcivil Corporation; C. I. Takiron Corporation
(11) AU-A-2025203512
(21) 2025203512 (22) 15.05.2025

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(54) Solar power generation system and reflector for solar power generation system
(51) Int. Cl.
H02S 40/22 (2014.01)
(43) 05.06.2025
(62) 2022217587
(72) HIURA, Ichiro; KOINOUCI, Takahiro; NAKAI, Takaaki; ONISHI, Kohei; HYUGA, Yuki
(74) FB Rice Pty Ltd

(71) Novartis AG
(11) AU-A-2025203480
(21) 2025203480 (22) 14.05.2025
(54) Means and method for preparing viral vectors and uses of same
(51) Int. Cl.
C12N 15/86 (2006.01)
A61K 39/12 (2006.01)
A61K 48/00 (2006.01)
(43) 05.06.2025
(62) 2018365677
(72) KASPAR, Brian K.; HATFIELD, James Michael; BALLEYDIER, Joseph; KASPAR, Allan Arman; HODGE, Robert Emil
(74) Davies Collison Cave Pty Ltd

(71) Novo Nordisk A/S
(11) AU-A-2025203535
(21) 2025203535 (22) 15.05.2025
(54) Semaglutide in medical therapy
(51) Int. Cl.
A61K 38/26 (2006.01)
A61K 9/00 (2006.01)
A61K 9/08 (2006.01)
A61K 9/10 (2006.01)
A61P 3/04 (2006.01)
(43) 05.06.2025
(62) 2018348929
(72) KABISCH, Maria; HANSEN, Thomas
(74) Pearce IP Pty Ltd

(71) NOWDiagnostics, Inc.
(11) AU-A-2025203501
(21) 2025203501 (22) 14.05.2025
(54) FLUID COLLECTION UNIT AND RELATED DEVICES AND METHODS
(51) Int. Cl.
A61B 10/00 (2006.01)
(43) 05.06.2025
(62) 2023202958
(72) Shi, Qinwei
(74) Blue Penguin IP Ltd

(71) Nunhems B.V.
(11) AU-A-2023266382
(21) 2023266382 (22) 17.11.2023
(54) Lettuce variety NUN 07082 LTL
(51) Int. Cl.
A01H 6/14 (2018.01)
A01H 5/12 (2018.01)
(43) 05.06.2025
(72) Johan van Zee
(74) Davies Collison Cave Pty Ltd

(71) Olema Pharmaceuticals, Inc.
(11) AU-A-2025203540
(21) 2025203540 (22) 15.05.2025
(54) Tetrahydro-1H-pyrido(3,4-b)indole anti-estrogenic drugs
(51) Int. Cl.
C07D 471/02 (2006.01)
A61K 31/437 (2006.01)
A61K 31/4545 (2006.01)
A61K 31/506 (2006.01)
C07D 471/04 (2006.01)
(43) 05.06.2025
(62) 2023202620
(72) Myles, David C.; Kushner, Peter J.; Harmon, Cyrus L.
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) OMICRON electronics GmbH
(11) AU-A-2024259761
(21) 2024259761 (22) 06.11.2024
(54) Method for testing a wiring of an electrical installation
(51) Int. Cl.
G01R 31/58 (2020.01)
G01R 23/00 (2006.01)
G01R 31/40 (2020.01)
(31) 23210639.3 (32) 17.11.23 (33) EP
(43) 05.06.2025
(72) SCHMIDBAUER, Josef
(74) Spruson & Ferguson

(71) OMS Investments, Inc.
(11) AU-A-2025202931
(21) 2025202931 (22) 28.04.2025
(54) Plants comprising herbicide-resistant event sequences, plant materials, and methods for detection thereof
(51) Int. Cl.
C12N 9/02 (2006.01)
C12N 9/10 (2006.01)
C12N 15/82 (2006.01)
(43) 05.06.2025
(62) 2018368968
(72) LEE, Lisa; TORISKY, Rebecca S.; FRESHOUR, Samuel L.; KOCH, Matthew J.; HARRIMAN, Robert W.
(74) AJ PARK

(71) O-Soiling
(11) AU-A-2025203550
(21) 2025203550 (22) 15.05.2025
(54) Method and apparatus for cleaning surfaces
(51) Int. Cl.
H02S 40/10 (2014.01)
A46B 9/02 (2006.01)
A46B 13/02 (2006.01)
(43) 05.06.2025
(62) 2023202594
(72) ALLOUCHE, Yanir; ALLOUCHE, Henry Ouri
(74) MBIP

(71) Paradigm Spine, LLC
(11) AU-A-2025203481
(21) 2025203481 (22) 14.05.2025

(54) Modular spine stabilization system and associated instruments
(51) Int. Cl.
A61B 17/56 (2006.01)
A61B 17/68 (2006.01)
A61B 17/70 (2006.01)
A61B 17/88 (2006.01)
B21D 7/00 (2006.01)
B21D 7/02 (2006.01)
(43) 05.06.2025
(62) 2019403451
(72) ECKHOF, Stephan; SALVERMOSER, Markus; BERTAGNOLI, Rudolph; SEARS, William R.
(74) Kings Patent & Trade Marks Attorneys Pty Ltd

(71) PRAXAIR TECHNOLOGY, INC.
(11) AU-A-2025203516
(21) 2025203516 (22) 15.05.2025
(54) METHOD TO CONTROL SYNGAS COMPOSITION BY REACTOR TEMPERATURE
(51) Int. Cl.
C01B 3/36 (2006.01)
(43) 05.06.2025
(62) 2021422668
(72) DAMSTEDT, Bradley; BOOL, Lawrence
(74) Griffith Hack

(71) Probiotech LLC
(11) AU-A-2025203513
(21) 2025203513 (22) 15.05.2025
(54) Probiotic Delivery Systems
(51) Int. Cl.
A61K 9/02 (2006.01)
A61K 9/48 (2006.01)
A61K 35/741 (2015.01)
A61K 35/744 (2015.01)
(43) 05.06.2025
(62) 2022246434
(72) Lynch, Deborah L.
(74) Adams Pluck

(71) Procore Technologies, Inc.
(11) AU-A-2025203536
(21) 2025203536 (22) 15.05.2025
(54) COMPUTER SYSTEM AND METHOD FOR NAVIGATING BUILDING INFORMATION MODEL VIEWS
(51) Int. Cl.
G06F 3/0481 (2022.01)
G06F 3/0484 (2022.01)
G06F 30/00 (2020.01)
G06T 19/00 (2011.01)
(43) 05.06.2025
(62) 2019380266
(72) Bindloss, Chris; McCool, Dave
(74) PHILLIPS ORMONDE FITZPATRICK

(71) Rinnai Corporation
(11) AU-A-2024220056
(21) 2024220056 (22) 25.09.2024
(54) Facility equipment cooperation system
(51) Int. Cl.
H04L 67/025 (2022.01)
G05B 19/048 (2006.01)

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(31) 2023-197032 **(32)** 20.11.23 **(33)** JP
(43) 05.06.2025
(72) YUGE, Ai
(74) Spruson & Ferguson

(71) Rocla Pty Limited
(11) AU-A-2025203493
(21) 2025203493 **(22)** 14.05.2025
(54) STRENGTHENING METHOD AND SYSTEM FOR A UTILITY POLE
(51) Int. Cl.
E04H 12/22 (2006.01)
(43) 05.06.2025
(62) 2018204911
(72) Carter, Christopher
(74) PHILLIPS ORMONDE FITZPATRICK

(71) ROOF TILE GROUP LIMITED
(11) AU-A-2024264677
(21) 2024264677 **(22)** 15.11.2024
(54) ROOFING TILE AND TILED ROOF SYSTEM
(51) Int. Cl.
E04D 3/362 (2006.01)
E04D 1/18 (2006.01)
E04D 3/16 (2006.01)
E04D 3/30 (2006.01)
E04D 12/00 (2006.01)
E04D 1/34 (2006.01)
(31) 805684 **(32)** 16.11.23 **(33)** NZ
(43) 05.06.2025
(72) BAYLIS, Victor James
(74) AJ PARK

(71) Salk Institute for Biological Studies
(11) AU-A-2025203440
(21) 2025203440 **(22)** 13.05.2025
(54) ONCOLYTIC TUMOR VIRUSES AND METHODS OF USE
(51) Int. Cl.
C12N 7/01 (2006.01)
A61K 35/761 (2015.01)
A61P 35/00 (2006.01)
(43) 05.06.2025
(62) 2022203504
(72) O'Shea, Clodagh; Miyake-Stoner, Shigeki
(74) PHILLIPS ORMONDE FITZPATRICK

(71) SCHLAGE LOCK COMPANY LLC
(11) AU-A-2025203444
(21) 2025203444 **(22)** 13.05.2025
(54) ROTATION CONVERTER
(51) Int. Cl.
E05B 9/02 (2006.01)
E05B 63/00 (2006.01)
E05B 1/00 (2006.01)
E05B 15/00 (2006.01)
E05B 47/06 (2006.01)
(43) 05.06.2025
(62) 2022294909
(72) VARADARAJU, Nagesh; MCKIBBEN, Aaron
(74) Alder IP Pty Ltd

(71) Scholar Rock, Inc.
(11) AU-A-2025203555
(21) 2025203555 **(22)** 16.05.2025
(54) Isoform-specific, context-permissive TGFβ1 inhibitors and use thereof
(51) Int. Cl.
C07K 16/22 (2006.01)
A61P 35/00 (2006.01)
A61P 37/00 (2006.01)
(43) 05.06.2025
(62) 2018205231
(72) SCHURPF, Thomas; DATTA, Abhishek; CARVEN, Gregory, J.; MARTIN, Constance; KALRA, Ashish; LONG, Kimberly; BUCKLER, Alan
(74) FB Rice Pty Ltd

(71) Sera Prognostics, Inc.
(11) AU-A-2025203449
(21) 2025203449 **(22)** 13.05.2025
(54) Pregnancy clock proteins for predicting due date and time to birth
(51) Int. Cl.
C12Q 1/68 (2018.01)
G01N 33/68 (2006.01)
(43) 05.06.2025
(62) 2018317902
(72) BONIFACE, John, Jay; KEARNEY, Paul, Edward; BURCHARD, Julja; CRITCHFIELD, Gregory, Charles; HICKOK, Durlin, Edward; FLEISCHER, Tracey, Cristine; POLPITIYA, Ashoka
(74) FB Rice Pty Ltd

(71) Shenzhen Porshealth Bioengineering Co., Ltd.
(11) AU-A-2024266700
(21) 2024266700 **(22)** 19.11.2024
(54) STRAIN OF LACTICASEIBACILLUS PARACASEI CAPABLE OF RELIEVING HYPERSENSITIVE RHINITIS AND APPLICATION THEREOF
(51) Int. Cl.
A61K 35/747 (2015.01)
A61P 11/02 (2006.01)
A61P 37/08 (2006.01)
(31) 2023115616566 **(32)** 21.11.23 **(33)** CN
(43) 05.06.2025
(72) Zhang, Silu; Zheng, Yanyi; Xiao, Guoxun; Zhou, Xiaoli; Zhang, Zhizhu
(74) Remarkable IP

(71) Shenzhen Ulike Smart Electronics Co., Ltd.
(11) AU-A-2024203966
(21) 2024203966 **(22)** 11.06.2024
(54) SKIN TREATMENT APPARATUS
(51) Int. Cl.
F21V 29/503 (2015.01)
A61B 18/20 (2006.01)
A61N 5/06 (2006.01)
F21V 29/67 (2015.01)
F21V 29/83 (2015.01)
(31) 202323141550.9 **(32)** 17.11.23 **(33)** CN
(43) 05.06.2025
(72) He, Dengshi
(74) Madderns Pty Ltd

(71) Shopify Inc
(11) AU-A-2024202815
(21) 2024202815 **(22)** 30.04.2024
(54) CONSTRAINING OUTPUT OF A GENERATIVE LANGUAGE MODEL TO CONFORM TO A GRAMMAR
(51) Int. Cl.
G06F 40/56 (2020.01)
G06N 3/0475 (2023.01)
(31) 18/512,781 **(32)** 17.11.23 **(33)** US
 18/649,251 29.04.24 US
(43) 05.06.2025
(72) Libbey, David; Padgett, Neil Leonard
(74) Murray Trento & Associates Pty Ltd

(71) SI-BONE, Inc.
(11) AU-A-2025203235
(21) 2025203235 **(22)** 06.05.2025
(54) BONE STABILIZING IMPLANTS AND METHODS OF PLACEMENT ACROSS SI JOINTS
(51) Int. Cl.
A61B 17/68 (2006.01)
A61B 17/58 (2006.01)
A61B 17/84 (2006.01)
A61B 17/86 (2006.01)
B33Y 10/00 (2015.01)
(43) 05.06.2025
(62) 2020392121
(72) STUART, Mary E.; SCHNEIDER, Bret William; FOLLINI, Francois; BART-LETT, Craig S.; DESAI, Bharat M.; GARDNER, Michael J.; MORO, Gian-Luigi; VAN HELDEN, Sven H.; NISHKIAN, Kyle L.; POLLY, David W.; VANICHKACHORN, Jed S.; KRANENBURG, Andy J.; RAJPAL, Sharad S.; RAINOV, Nikolai G.
(74) RnB IP Pty Ltd

(71) Simcha IL-18, Inc.; Yale University
(11) AU-A-2025203386
(21) 2025203386 **(22)** 12.05.2025
(54) Interleukin-18 variants and methods of use
(51) Int. Cl.
A61K 38/20 (2006.01)
C07K 14/54 (2006.01)
(43) 05.06.2025
(62) 2021371040
(72) RING, Aaron; BOONE, Tom
(74) FB Rice Pty Ltd

(71) Soliton, Inc.
(11) AU-A-2025203582
(21) 2025203582 **(22)** 16.05.2025
(54) Selective laser induced optical breakdown in biological medium
(51) Int. Cl.
A61B 5/05 (2021.01)
(43) 05.06.2025
(62) 2023204269
(72) Capelli, Christopher C.; Klemp, Walter; Robertson, David
(74) Davies Collison Cave Pty Ltd

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(11) AU-A-2024227292
(21) 2024227292 (22) 13.10.2024
(54) Improved Articulated Vehicle
(51) Int. Cl.
B62D 13/02 (2006.01)
B62D 13/00 (2006.01)
(31) 2023903733 (32) 20.11.23 (33) AU
(43) 05.06.2025
(72) Spark, Ian
(74) Ian James Spark

STATE GRID ELECTRIC POWER RE-
SEARCH INSTITUTE see WUHAN NARI
LIMITED LIABILITY COMPANY OF STATE
GRID ELECTRIC POWER RESEARCH IN-
STITUTE
(21) 2024278197

STATE GRID HUBEI ELECTRIC POWER
CO., LTD. see WUHAN NARI LIMITED LI-
ABILITY COMPANY OF STATE GRID ELEC-
TRIC POWER RESEARCH INSTITUTE
(21) 2024278197

(71) Techtronic Cordless GP
(11) AU-A-2024227366
(21) 2024227366 (22) 16.10.2024
(54) Attachment for a vacuum cleaner
(51) Int. Cl.
A47L 9/28 (2006.01)
A47L 11/18 (2006.01)
A47L 11/282 (2006.01)
B08B 1/12 (2024.01)
(31) 18/513,176 (32) 17.11.23 (33) US
(43) 05.06.2025
(72) LIU, Hai Rong; HARRIS, John Christi-
an; HOLMES III, Silas Wendell; TROY,
John P.; MOYLAN, Julia Hershey; RA-
BAGO, Raquel M.
(74) Spruson & Ferguson

(71) The Boeing Company
(11) AU-A-2024220129
(21) 2024220129 (22) 26.09.2024
(54) Electrorheological shape retaining
membrane
(51) Int. Cl.
B29C 70/44 (2006.01)
(31) 18/513,109 (32) 17.11.23 (33) US
(43) 05.06.2025
(72) KO, William; CHOWDHURY, Nayeem
Tawqir
(74) Spruson & Ferguson

(71) Thermaguard Pty Ltd
(11) AU-A-2024264656
(21) 2024264656 (22) 14.11.2024
(54) A Radiant Heatshield
(51) Int. Cl.
A62C 2/06 (2006.01)
A47H 1/02 (2006.01)
A47H 13/02 (2006.01)
A47H 23/08 (2006.01)
A62C 3/07 (2006.01)
B60J 1/20 (2006.01)

A47H 1/102 (2006.01)
B60N 3/02 (2006.01)
(31) 2023903689 (32) 16.11.23 (33) AU
(43) 05.06.2025
(72) Gooden, Andrew
(74) Wrays Pty Ltd

(71) The United States of America, as rep-
resented by the Secretary, Department
of Health and Human Services
(11) AU-A-2025203455
(21) 2025203455 (22) 13.05.2025
(54) HLA class I-restricted T cell receptors
against mutated RAS
(51) Int. Cl.
C07K 14/725 (2006.01)
A61K 38/17 (2006.01)
A61K 39/00 (2006.01)
C07K 14/47 (2006.01)
(43) 05.06.2025
(62) 2018378200
(72) YOSEPH, Rami; LU, Yong-Chen; CA-
FRI, Gal; ROSENBERG, Steven A.
(74) Spruson & Ferguson

(71) The University of Hong Kong; ZERO Bi-
otech Company Limited
(11) AU-A-2024204431
(21) 2024204431 (22) 27.06.2024
(54) Development of Safe and Effective Plat-
form for Administration of Lutetium-177
Dotatoc Peptide Receptor Radionuclide
Therapy for Neuroendocrine Tumours
or Other Tumours Highly Expressing
Somatostatin Receptors.
(51) Int. Cl.
A61K 51/08 (2006.01)
A61K 31/4178 (2006.01)
A61K 31/4439 (2006.01)
A61K 31/573 (2006.01)
A61K 47/18 (2017.01)
A61P 35/00 (2006.01)
(31) 32023082909.7 (32) 21.11.23 (33) HK
(43) 05.06.2025
(72) LEE, Ho Fun Victor; TAM, Kam Man
(74) CreatelP

(71) ToolGen Incorporated
(11) AU-A-2025203547
(21) 2025203547 (22) 15.05.2025
(54) Composition For Cleaving A Target
DNA Comprising A Guide RNA Specif-
ic For The Target DNA And Cas Pro-
tein-Encoding Nucleic Acid Or Cas Pro-
tein, And Use Thereof
(51) Int. Cl.
C12N 15/11 (2006.01)
C12Q 1/68 (2018.01)
(43) 05.06.2025
(62) 2022204902
(72) KIM, Jin-Soo; CHO, Seung Woo; KIM,
Sojung; KIM, Jong Min; KIM, Seokjoong
(74) WRAYS PTY LTD

(71) UCHU Biosensors, Inc.
(11) AU-A-2025203531
(21) 2025203531 (22) 15.05.2025

(54) Long-term, continual, wireless, intraoral
monitor
(51) Int. Cl.
A61C 19/04 (2006.01)
A61B 5/00 (2006.01)
A61C 19/05 (2006.01)
(43) 05.06.2025
(62) 2019209538
(72) WEINSTEIN, Daniel; BOZORG, Saam;
HILL, Noah; ZEBRYK Jr., John R.
(74) Davies Collison Cave Pty Ltd

(71) UFUN AUSTRALIA PTY LTD
(11) AU-A-2024205188
(21) 2024205188 (22) 29.07.2024
(54) A VIBRATOR STRUCTURE OF A
SHALLOW NEEDLING INSTRUMENT
(51) Int. Cl.
A61H 39/08 (2006.01)
(31) 2023231025813 (32) 16.11.23 (33) CN
(43) 05.06.2025
(72) CAI, Shuhe; HE, Jianping; WANG,
Feng
(74) Baxter Patent Attorneys Pty Ltd

(71) UFUN AUSTRALIA PTY LTD
(11) AU-A-2024205190
(21) 2024205190 (22) 29.07.2024
(54) A MULTI-DIMENSIONAL FEATURE
ACQUISITION DEVICE FOR AC-
QUIRING THE FEATURES OF SHAL-
LOW-NEEDLE ACUPUNCTURE
TECHNIQUES
(51) Int. Cl.
A61H 39/08 (2006.01)
(31) 202323102589X (32) 16.11.23 (33) CN
(43) 05.06.2025
(72) CAI, Shuhe; HE, Jianping; WANG,
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(11) AU-A-2024205191
(21) 2024205191 (22) 29.07.2024
(54) A CONTROL DEVICE OF A SHALLOW
NEEDLING INSTRUMENT, AS WELL
AS A SYSTEM AND A METHOD FOR
SIMULATING THE FEATURES OF
SHALLOW-NEEDLE ACUPUNCTURE
TECHNIQUES
(51) Int. Cl.
A61H 39/08 (2006.01)
G01H 11/00 (2006.01)
(31) 202311531392X (32) 16.11.23 (33) CN
2024107569981 12.06.24 CN
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(72) CAI, Shuhe; HE, Jianping; WANG,
Feng
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(21) 2025203361

(71) Vatsky, E.
(11) AU-A-2023266304
(21) 2023266304 (22) 15.11.2023

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(54) Lever handle conversion system**(51)** Int. Cl.
E05B 1/00 (2006.01)**(43)** 05.06.2025
(72) Edgard Vatsky
(74) Edgard Vatsky**(71)** VERSUNI HOLDING B.V.**(11)** AU-A-2024343391
(21) 2024343391 **(22)** 21.10.2024**(54)** STEAM GENERATOR COMPRISING A STEAM EXIT STRUCTURE**(51)** Int. Cl.
D06F 73/02 (2006.01)
D06F 58/20 (2006.01)
D06F 75/40 (2006.01)**(31)** 23211244.1 **(32)** 21.11.23 **(33)** EP
(43) 05.06.2025
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(74) FB Rice Pty Ltd**(71)** VIB vzw; Universiteit Gent**(11)** AU-A-2025203361
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(54) Means and methods for single molecule peptide sequencing
(51) Int. Cl.
G01N 33/68 (2006.01)
C12N 9/64 (2006.01)**(43)** 05.06.2025
(62) 2018342988
(72) CALLEWAERT, Nico; EYCKERMAN, Sven; DEVOS, Simon
(74) Davies Collison Cave Pty Ltd**(71)** Virbac**(11)** AU-A-2025203598
(21) 2025203598 **(22)** 19.05.2025
(54) NOVEL USE OF GLUCOCORTICOIDES FOR THE TREATMENT OF EPITHELIAL MICROBIAL INFECTIONS OF A FLUID CONTAINING ORGAN WITH A NATURAL EXTERIOR ORIFICE IN MAMMALS**(51)** Int. Cl.
A61K 31/573 (2006.01)
A61K 45/06 (2006.01)
A61P 15/14 (2006.01)
A61P 27/00 (2006.01)**(43)** 05.06.2025
(62) 2019315628
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(74) AJ PARK**(71)** W. L. GORE & ASSOCIATES, INC.**(11)** AU-A-2025203499
(21) 2025203499 **(22)** 14.05.2025
(54) Multi-component delivery systems and methods
(51) Int. Cl.
A61F 2/954 (2013.01)
A61F 2/06 (2013.01)
A61F 2/07 (2013.01)
A61F 2/95 (2013.01)
A61F 2/966 (2013.01)**(43)** 05.06.2025**(62)** 2022256010
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(74) Griffith Hack**(71)** W.M. Barr & Company, Inc.**(11)** AU-A-2025203528
(21) 2025203528 **(22)** 15.05.2025
(54) SPRAY WAND
(51) Int. Cl.
B05B 1/34 (2006.01)
B05B 1/06 (2006.01)
B05B 1/30 (2006.01)
B05B 7/12 (2006.01)
B05B 7/26 (2006.01)
B05B 13/02 (2006.01)
B05B 15/658 (2018.01)**(43)** 05.06.2025
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(72) Kavchok, Kevin Andrew; Petkus, Matthew Michael; Byrd, Alana; Farmer, Rachel Ann
(74) Kings Patent & Trade Marks Attorneys Pty Ltd**(71)** Weir Minerals Australia Ltd**(11)** AU-A-2025203533
(21) 2025203533 **(22)** 15.05.2025
(54) Dewatering Method and System
(51) Int. Cl.
C02F 1/38 (2023.01)
C02F 11/12 (2019.01)**(43)** 05.06.2025
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(74) Davies Collison Cave Pty Ltd**(71)** Werewolf Therapeutics, Inc.**(11)** AU-A-2025203522
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(54) Activatable cytokine polypeptides and methods of use thereof
(51) Int. Cl.
C07K 14/55 (2006.01)
A61K 38/00 (2006.01)
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(74) Spruson & Ferguson**(71)** WUHAN NARI LIMITED LIABILITY COMPANY OF STATE GRID ELECTRIC POWER RESEARCH INSTITUTE; STATE GRID HUBEI ELECTRIC POWER CO., LTD.; STATE GRID

ELECTRIC POWER RESEARCH INSTITUTE

(11) AU-A-2024278197
(21) 2024278197 **(22)** 25.09.2024
(54) METHOD FOR STATUS MONITORING AND ACTIVE PROTECTION OF OIL FILLED TRANSFORMER, RECORDING MEDIUM, AND SYSTEM
(51) Int. Cl.
G01R 31/62 (2020.01)
G01N 33/28 (2006.01)
G05B 23/02 (2006.01)
G08B 19/00 (2006.01)
H01F 27/00 (2006.01)
H02H 5/00 (2006.01)
H02H 7/04 (2006.01)
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(74) Madderns Pty Ltd**(71)** Xefco Pty Ltd
(11) AU-A-2025203503
(21) 2025203503 **(22)** 14.05.2025
(54) IMPROVED WATER REPELLENT SUBSTRATE AND APPLICATION METHOD THEREFOR
(51) Int. Cl.
D06M 10/10 (2006.01)
B32B 27/12 (2006.01)
D06M 10/02 (2006.01)
D06M 14/00 (2006.01)
(43) 05.06.2025
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(72) HUSSEY, Thomas; CHEN, Zhiqiang; HURREN, Christopher James; LEI, Weiwei
(74) XEFCO PTY LTD**Yale University see Simcha IL-18, Inc.**
(21) 2025203386**ZERO Biotech Company Limited see The University of Hong Kong**
(21) 2024204431**(71)** Zhejiang Orient Gene Biotech Co., Ltd
(11) AU-A-2024220137
(21) 2024220137 **(22)** 26.09.2024
(54) LOW RESIDUE SAMPLING MATERIAL FOR SMALL MOLECULE DRUG DETECTION AND USE OF THE SAME
(51) Int. Cl.
G01N 1/14 (2006.01)
B01J 20/00 (2006.01)
B01J 20/26 (2006.01)
G01N 30/00 (2006.01)
(31) 202311566175.4 **(32)** 22.11.23 **(33)** CN
(43) 05.06.2025
(72) Shen, Lili; Fang, Jianqiu
(74) Madderns Pty Ltd

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 (11) AU-A-2025203599
 (21) 2025203599 (22) 19.05.2025
 (54) FEMORAL TRIAL HEAD
 (51) Int. Cl.
 A61F 2/46 (2006.01)
 A61F 2/36 (2006.01)
 (43) 05.06.2025
 (62) 2024200118
 (72) Leonard, Tory
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Zurn Water, LLC
 (11) AU-A-2024264668
 (21) 2024264668 (22) 15.11.2024
 (54) Check valve for backflow preventer
 (51) Int. Cl.
 F16K 15/03 (2006.01)
 F16K 1/16 (2006.01)
 F16K 17/02 (2006.01)
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 (31) 63/599,847 (32) 16.11.23 (33) US
 (43) 05.06.2025
 (72) Hurt, Timothy; Williams, Travis; Corral,
 Christopher J.; Brouwers, Kevin P.; Bor-
 an, Ersen
 (74) Griffith Hack

(71) ZURU EDGE, LTD.
 (11) AU-A-2024264727
 (21) 2024264727 (22) 18.11.2024
 (54) NON-EDIBLE CAPSULE CON-
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 (51) Int. Cl.
 A23G 9/50 (2006.01)
 A63F 9/00 (2006.01)
 B65D 85/78 (2006.01)
 (31) 18/940322 (32) 07.11.24 (33) US
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 (43) 05.06.2025
 (72) MOWBRAY, Nicholas James; MOW-
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 (74) AJ PARK

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 B22F 7/08 (2006.01)
 B23Q 1/00 (2006.01)
 B33Y 30/00 (2015.01)
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B23Q 1/00 (2006.01)
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(51) Int. Cl.
F03B 11/00 (2006.01)
F03B 1/04 (2006.01)
F03B 11/02 (2006.01)
F03B 15/20 (2006.01)
F03B 17/06 (2006.01)
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(51) Int. Cl.
C07D 491/044 (2006.01)
A61K 31/519 (2006.01)
A61P 3/00 (2006.01)
A61P 29/00 (2006.01)
A61P 35/00 (2006.01)
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A23L 2/52 (2006.01)
A23L 2/00 (2006.01)
A23L 2/54 (2006.01)
A23L 19/00 (2016.01)
A23L 27/12 (2016.01)
C12G 3/04 (2019.01)
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(51) Int. Cl.
E05F 15/67 (2015.01)
E05F 15/681 (2015.01)
E05F 15/684 (2015.01)
E05F 15/76 (2015.01)
E05F 15/77 (2015.01)
E05D 15/24 (2006.01)
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H02P 21/14 (2016.01)
B66B 13/14 (2006.01)
E05F 15/603 (2015.01)
H02P 21/00 (2016.01)
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C07K 16/40 (2006.01)
A61K 39/00 (2006.01)
A61K 39/395 (2006.01)
A61P 7/10 (2006.01)
A61P 29/00 (2006.01)
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(74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd
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(51) Int. Cl.
G01N 21/01 (2006.01)
A61B 5/00 (2006.01)
C12M 1/00 (2006.01)
C12Q 1/68 (2018.01)
G01N 21/17 (2006.01)
G01N 21/63 (2006.01)
G01N 33/50 (2006.01)
G01N 35/00 (2006.01)
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(54) AUTOMATIC GAIN CONTROL SYS-
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H03G 3/20 (2006.01)
H03H 11/24 (2006.01)
H03L 5/02 (2006.01)
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F41A 25/16 (2006.01)
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E21B 43/12 (2006.01)
E21B 34/10 (2006.01)
E21B 23/03 (2006.01)
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A01N 43/80 (2006.01)
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A61K 31/4162 (2006.01)
A61P 13/12 (2006.01)
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C12N 5/00 (2006.01)
A61K 39/395 (2006.01)
C07K 16/00 (2006.01)
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B66F 7/04 (2006.01)
B66F 7/28 (2006.01)
E04H 6/06 (2006.01)
E04H 6/18 (2006.01)
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C12N 15/85 (2006.01)
A61K 31/713 (2006.01)
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A61N 1/36 (2006.01)
A61N 1/05 (2006.01)
A61N 1/372 (2006.01)
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C07K 14/705 (2006.01)
A61K 35/17 (2015.01)
A61P 35/02 (2006.01)
C07K 16/28 (2006.01)
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C12N 15/113 (2010.01)
C12Q 1/6876 (2018.01)
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C07D 401/14 (2006.01)
A61K 31/4439 (2006.01)
A61K 31/444 (2006.01)
A61K 31/4995 (2006.01)
A61P 35/00 (2006.01)
C07D 413/14 (2006.01)
C07D 471/08 (2006.01)
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G16H 10/60 (2018.01)
G16H 20/70 (2018.01)
G16H 40/67 (2018.01)
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F24C 15/02 (2006.01)
A47J 37/00 (2006.01)
A47J 37/06 (2006.01)
E05B 1/00 (2006.01)
E05C 1/00 (2006.01)
E05C 1/10 (2006.01)
E05D 15/48 (2006.01)
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B60C 13/00 (2006.01)
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A61K 9/16 (2006.01)
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(54) BUILDING METHOD AND PANEL
(51) Int. Cl.
E04B 1/08 (2006.01)
B21B 1/095 (2006.01)
B21B 23/00 (2006.01)
E02D 5/28 (2006.01)
E04B 1/343 (2006.01)
E04B 1/348 (2006.01)
E04B 1/38 (2006.01)
E04B 1/61 (2006.01)
E04C 2/08 (2006.01)
E04C 2/24 (2006.01)
E04C 2/42 (2006.01)
E04C 2/52 (2006.01)
E04F 13/00 (2006.01)
G06Q 10/0631 (2023.01)
G06Q 50/08 (2012.01)
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(74) Sandercock & Cowie
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(51) Int. Cl.
B60H 1/04 (2006.01)

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B60K 1/00 (2006.01)
B60W 20/00 (2016.01)
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 ZHAO, Shangzhong; TANG, Yifeng;
 WANG, Zhipeng
(74) Integrated IP

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 AND SYSTEM, CONTROLLER, AND
 VEHICLE
(51) Int. Cl.
B60W 50/08 (2020.01)
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 MULATION OF FOULANTS ON RE-
 VERSE OSMOSIS MEMBRANES AND
 A GROUNDWATER DESALINATION
 SYSTEM
(51) Int. Cl.
C02F 1/44 (2023.01)
B01D 61/00 (2006.01)
B01D 61/02 (2006.01)
B01D 61/12 (2006.01)
E21B 43/00 (2006.01)
C02F 101/10 (2006.01)
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 Christopher; CURKPATRICK, Matthew
(74) FB Rice Pty Ltd

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(54) DIFFUSER DEVICE FOR DISPERS-
 ING A SUBSTANCE THAT IS IN THE
 LIQUID OR SOLID STATE AT ROOM
 TEMPERATURE INTO THE AIR AS
 VAPOR
(51) Int. Cl.
A61L 9/02 (2006.01)
A01M 1/20 (2006.01)
A01M 29/12 (2011.01)
A61L 9/03 (2006.01)
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 DUFOUR, Samuel
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 LTD.
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 ING GENE OF CHIMERIC ANTIGEN
 RECEPTOR AND ENCODING GENE
 OF CHIMERIC SWITCH RECEPTOR
 AND USE THEREOF
(51) Int. Cl.
C12N 15/62 (2006.01)
A61K 39/00 (2006.01)
A61P 35/00 (2006.01)
A61P 37/02 (2006.01)
C07K 19/00 (2006.01)
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 LLC
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 AND PROCESSES FOR PRODUCING
 BIOMEDIA COMPOSITIONS
(51) Int. Cl.
C10B 53/02 (2006.01)
C01B 32/318 (2017.01)
C10B 57/06 (2006.01)
C10L 5/12 (2006.01)
C10L 5/42 (2006.01)
C10L 5/48 (2006.01)
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 Daren; SLACK, Dustin
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 HAVING A COMBINED NON-CON-
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(72) O' BRIEN, Kevin; MURPHY, Conor
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(54) METHOD FOR RECYCLING USED OR
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(51) Int. Cl.
C22B 1/00 (2006.01)
C22B 1/02 (2006.01)
C22B 7/00 (2006.01)
C22B 59/00 (2006.01)

H01F 7/02 (2006.01)
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(21) 2024206623 **(22)** 03.01.2024
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A61F 2/44 (2006.01)
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 Patrick
(74) FB Rice Pty Ltd

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B01J 8/02 (2006.01)
C07C 29/15 (2006.01)
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(74) James & Wells Intellectual Property

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(54) METHODS OF USING PROTEIN IN-
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 AGES, AND SNACKS
(51) Int. Cl.
A21D 13/064 (2017.01)
A21D 13/06 (2017.01)
A23L 7/10 (2016.01)
A21D 13/062 (2017.01)
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(31) 63/428,014 **(32)** 25.11.22 **(33)** US
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 AGARWAL, Shantanu; DHILLON, Si-
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G06F 18/2431 (2023.01)
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B01J 10/00 (2006.01)
C07C 2/76 (2006.01)
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C07D 487/04 (2006.01)
A61K 31/429 (2006.01)
A61K 31/498 (2006.01)
A61K 31/4985 (2006.01)
A61P 35/00 (2006.01)
C07D 513/04 (2006.01)
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H04W 48/08 (2009.01)
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F02D 13/02 (2006.01)
F01L 1/344 (2006.01)
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(43) 05.12.2024
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(54) ELECTRIC DRIVE OIL COOLING SYSTEM STRUCTURE, ELECTRIC DRIVE ASSEMBLY DEVICE, AND VEHICLE
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G01N 23/22 (2018.01)
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(72) TICKNER, James
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C08K 5/00 (2006.01)
C09D 167/04 (2006.01)
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A61K 8/27 (2006.01)
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A61K 8/49 (2006.01)
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C07C 279/26 (2006.01)
A61K 8/43 (2006.01)
A61Q 11/00 (2006.01)
C07C 309/04 (2006.01)
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SALERNO, Jake; BRINZARI, Tatiana
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(54) ORAL CARE COMPOSITIONS CONTAINING STANNOUS ION SOURCE
(51) Int. Cl.
A61K 8/19 (2006.01)
A61K 8/24 (2006.01)
A61K 8/34 (2006.01)
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HAO, Zhigang; PAN, Long; CASTRO,
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C11D 1/72 (2006.01)
C11D 1/94 (2006.01)
C11D 3/20 (2006.01)
C11D 17/00 (2006.01)
C11D 1/22 (2006.01)
C11D 1/29 (2006.01)
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(54) PERSONAL CARE COMPOSITIONS
(51) Int. Cl.
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Thomas
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B60P 1/44 (2006.01)
B60D 1/46 (2006.01)
B60D 1/48 (2006.01)
B60D 1/50 (2006.01)
B60G 11/27 (2006.01)
B60G 17/015 (2006.01)
B60P 1/02 (2006.01)
B60P 1/64 (2006.01)
B60P 3/07 (2006.01)
B60P 3/075 (2006.01)
B62D 63/08 (2006.01)
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(72) COLLORAFI, Peter
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(54) ADSORBENT STRUCTURES AND METHOD AND SYSTEM FOR DESIGNING ADSORBENT STRUCTURES
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B01D 53/04 (2006.01)
B01D 15/10 (2006.01)
G01N 15/08 (2006.01)
G06F 30/17 (2020.01)
G06F 30/27 (2020.01)
G06F 30/28 (2020.01)
G06F 113/08 (2020.01)
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C12N 15/10 (2006.01)
C12N 15/82 (2006.01)
C40B 20/04 (2006.01)
C40B 40/08 (2006.01)
G01N 33/50 (2006.01)
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DODDS, Peter; SPERSCHNEIDER,
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D02G 3/40 (2006.01)
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H01M 50/249 (2021.01)
H01M 50/251 (2021.01)
H01M 50/258 (2021.01)
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 (51) Int. Cl.
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C05G 3/00 (2020.01)
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B21D 22/28 (2006.01)
B21D 51/26 (2006.01)
G01L 5/00 (2006.01)
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C11D 7/12 (2006.01)
C11D 7/14 (2006.01)
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C11D 11/00 (2006.01)
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 (54) ANTI-HUMAN PD-L1 ANTIBODIES AND THEIR USES
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C07K 16/28 (2006.01)
A61K 35/17 (2015.01)
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C12N 5/0783 (2010.01)
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C12Q 1/6825 (2018.01)
B01D 39/00 (2006.01)
C12N 15/10 (2006.01)
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A23L 33/115 (2016.01)
A23G 3/36 (2006.01)
A23G 3/40 (2006.01)
A23L 29/231 (2016.01)
A23L 29/281 (2016.01)
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 (72) BRANCATO, Kristin; CHEN, Xiaoxiao; MA, Zhenbo; SU, Gang
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 (51) Int. Cl.
H01M 10/54 (2006.01)
H01M 4/38 (2006.01)
H01M 4/525 (2010.01)
H01M 4/58 (2010.01)
H01M 4/587 (2010.01)
H01M 10/052 (2010.01)
H01M 10/0525 (2010.01)
H01M 10/054 (2010.01)
H01M 12/08 (2006.01)
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 (51) Int. Cl.
G06F 3/14 (2006.01)
G09G 3/00 (2006.01)
G09G 3/20 (2006.01)
H04W 64/00 (2009.01)
H05B 47/19 (2020.01)
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(21) 2023388182 (22) 08.12.2023
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C06B 31/28 (2006.01)
C06B 23/00 (2006.01)
F42D 1/08 (2006.01)
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(54) CHEMICALLY MODIFIED ANTISENSE OLIGONUCLEOTIDES (ASOS) AND COMPOSITIONS COMPRISING THE SAME FOR RNA EDITING
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C12N 15/11 (2006.01)
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(54) METHODS AND COMPOSITIONS FOR CONTROL OF PAIN AND INFLAMMATION
(51) Int. Cl.
A61K 31/44 (2006.01)
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A61K 39/00 (2006.01)
A61P 35/00 (2006.01)
C07K 16/28 (2006.01)
C12N 15/14 (2006.01)
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(51) Int. Cl.
C12N 15/10 (2006.01)
A61P 27/02 (2006.01)
C12N 5/071 (2010.01)
C12N 9/22 (2006.01)
C12N 15/113 (2010.01)
C12N 15/867 (2006.01)
C12Q 1/6827 (2018.01)
A61K 9/00 (2006.01)
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(51) Int. Cl.
C07K 7/06 (2006.01)
A61K 38/08 (2019.01)
A61K 38/12 (2006.01)
A61P 3/00 (2006.01)
C07K 7/56 (2006.01)
C07K 14/665 (2006.01)
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(74) Kings Patent & Trade Marks Attorneys Pty Ltd
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A61K 31/4025 (2006.01)
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A61P 25/00 (2006.01)
C07D 317/60 (2006.01)
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E01C 23/01 (2006.01)
B60W 40/06 (2012.01)
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(51) Int. Cl.
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E21D 20/00 (2006.01)
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B60L 53/00 (2019.01)
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A61J 3/00 (2006.01)
B65B 3/26 (2006.01)
G06F 16/583 (2019.01)
G06T 7/00 (2017.01)
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METHOD
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B01D 53/04 (2006.01)
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(54) PLANT TRIMMING MACHINES AND
METHODS
(51) Int. Cl.
B26D 1/00 (2006.01)
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B26D 1/02 (2006.01)
B26D 1/147 (2006.01)
B26D 1/40 (2006.01)
B26D 1/48 (2006.01)
A01D 82/00 (2006.01)
A01G 3/00 (2006.01)
A01G 3/033 (2006.01)
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COMPRISING SAME
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C12M 1/00 (2006.01)
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TERMINING PROTECTION POLICY
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AND RELATED DEVICE
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H02J 7/00 (2006.01)
H02J 15/00 (2006.01)
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(54) WASTEWATER TREATMENT METH-
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(51) Int. Cl.
C02F 9/00 (2023.01)
B01D 24/10 (2006.01)
C02F 1/463 (2023.01)
C02F 3/06 (2023.01)
C02F 3/08 (2023.01)
C02F 3/12 (2023.01)
C02F 3/28 (2023.01)
C02F 101/10 (2006.01)
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(51) Int. Cl.
C02F 9/00 (2023.01)
B01D 24/02 (2006.01)
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C02F 1/00 (2023.01)
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C02F 3/12 (2023.01)
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(54) COMPOSITIONS FOR ATTENUATING ANTI-INFECTIVE RESISTANCE, USES AND METHODS THEREOF
(51) Int. Cl.
A61K 31/787 (2006.01)
A61K 31/4709 (2006.01)
A61K 31/496 (2006.01)
A61P 31/04 (2006.01)
C07D 213/69 (2006.01)
C07D 215/56 (2006.01)
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C08F 220/54 (2006.01)
C08F 226/10 (2006.01)
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C07K 16/28 (2006.01)
A61K 39/395 (2006.01)
A61P 19/04 (2006.01)
A61P 29/00 (2006.01)
C12N 15/13 (2006.01)
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G01S 7/521 (2006.01)
G01S 15/89 (2006.01)
G01V 1/38 (2006.01)
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G01V 3/08 (2006.01)
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G16B 20/00 (2019.01)
G16B 40/00 (2019.01)
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(54) METHOD AND DEVICE FOR GENERATING HEAT
(51) Int. Cl.
F23C 9/00 (2006.01)
F23C 13/00 (2006.01)
F23N 5/24 (2006.01)
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(54) METAL BODY AND ELEMENT FOR PRODUCING THE METAL BODY
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C25B 11/031 (2021.01)
C25B 11/053 (2021.01)
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(51) Int. Cl.
B23D 57/00 (2006.01)
B28D 1/08 (2006.01)
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(31) 118272 (32) 20.10.22 (33) PT
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(74) WRAYS PTY LTD
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(21) 2023379578 (22) 15.11.2023
(54) MACHINE LEARNING FOR INFUSION PUMPS
(51) Int. Cl.
G16H 20/17 (2018.01)
G16H 40/63 (2018.01)
G16H 40/67 (2018.01)
G16H 50/70 (2018.01)
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(21) 2023385589 (22) 16.11.2023
(54) OILY FOOD
(51) Int. Cl.
A23G 1/48 (2006.01)
A23C 11/10 (2021.01)
A23J 3/14 (2006.01)
A23L 11/60 (2021.01)
A23L 11/65 (2021.01)
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(74) Davies Collison Cave Pty Ltd
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(11) AU-A-2023367693
(21) 2023367693 (22) 24.10.2023
(54) DEUTERATED ANALOGS OF ETIOXINE AND METHODS OF ADMINISTRATION WITHOUT AUTOINDUCTION OF METABOLISM
(51) Int. Cl.
A61K 31/536 (2006.01)
A61P 25/22 (2006.01)
(87) WO2024/091943
(31) 63/380,737 (32) 24.10.22 (33) US
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(72) DASSE, Olivier; SALTARELLI, Mario
(74) James & Wells Intellectual Property
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(51) Int. Cl.
A61K 47/61 (2017.01)
(87) WO2024/086767
(31) 63/380,433 (32) 21.10.22 (33) US
63/490,453 15.03.23 US
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A63F 9/02 (2006.01)
A63F 13/211 (2014.01)
F41J 5/08 (2006.01)
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C07D 233/56 (2006.01)
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G06Q 10/0631 (2023.01)
G06Q 10/04 (2023.01)
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B32B 5/02 (2006.01)
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G06N 5/02 (2023.01)
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H04L 41/0659 (2022.01)
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F24F 1/035 (2019.01)
F24F 8/80 (2021.01)
F24F 11/30 (2018.01)
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C02F 1/461 (2023.01)
C02F 103/42 (2006.01)
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E05D 5/02 (2006.01)
B65D 6/18 (2006.01)
B65D 81/38 (2006.01)
E05D 3/02 (2006.01)
E05D 7/10 (2006.01)
E05D 11/00 (2006.01)
E05D 11/08 (2006.01)
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C25B 1/23 (2021.01)
C25B 11/054 (2021.01)
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A61K 39/385 (2006.01)
A61K 39/40 (2006.01)
A61K 47/64 (2017.01)
A61P 31/04 (2006.01)
C07H 15/04 (2006.01)
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C12P 19/00 (2006.01)
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A61P 11/00 (2006.01)
A61P 31/04 (2006.01)
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A01N 63/22 (2020.01)
A01P 1/00 (2006.01)
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B60L 58/27 (2019.01)
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A61K 9/08 (2006.01)
A61K 9/10 (2006.01)
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H01M 10/613 (2014.01)
H01M 10/643 (2014.01)
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H01M 50/213 (2021.01)
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B05B 3/04 (2006.01)
B01D 41/04 (2006.01)
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G06Q 30/0234 (2023.01)
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G06T 19/00 (2011.01)
G06V 20/20 (2022.01)
H04W 4/029 (2018.01)
G02B 27/01 (2006.01)
G06F 3/01 (2006.01)
G06F 3/04842 (2022.01)
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F16J 15/16 (2006.01)
F16K 3/02 (2006.01)
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A61B 1/31 (2006.01)
A61B 5/00 (2006.01)
G16H 50/70 (2018.01)
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C07F 9/38 (2006.01)
C08K 5/5313 (2006.01)
C08K 5/5393 (2006.01)
C08L 77/02 (2006.01)
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A23L 2/38 (2021.01)
A23L 2/00 (2006.01)
A23L 2/54 (2006.01)
A23L 33/135 (2016.01)
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A01N 59/00 (2006.01)
A01P 23/00 (2006.01)
A61P 31/00 (2006.01)
C05D 9/00 (2006.01)
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B66C 13/40 (2006.01)
E02F 9/26 (2006.01)
H04Q 9/00 (2006.01)
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CHINE
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H01M 8/04111 (2016.01)
H01M 8/249 (2016.01)
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B60P 1/04 (2006.01)
B60K 8/00 (2006.01)
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F27D 21/04 (2006.01)
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C07D 487/04 (2006.01)
A61K 9/00 (2006.01)
A61K 9/08 (2006.01)
A61K 31/497 (2006.01)
A61K 31/5025 (2006.01)
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A61K 31/55 (2006.01)
A61P 35/00 (2006.01)
C07D 471/04 (2006.01)
C07D 471/10 (2006.01)
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C12N 9/14 (2006.01)
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A61P 35/00 (2006.01)
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H04L 67/1001 (2022.01)
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C12N 15/13 (2006.01)
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G01R 31/392 (2019.01)
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G01R 31/396 (2019.01)
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G08B 21/18 (2006.01)
H01M 10/48 (2006.01)
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AND OPERATING METHOD THERE-
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B63B 22/24 (2006.01)
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F16B 3/06 (2006.01)
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A61P 7/00 (2006.01)
C07K 16/40 (2006.01)
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A47C 7/38 (2006.01)
B60N 2/838 (2018.01)
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A47C 31/02 (2006.01)
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C12Q 1/6886 (2018.01)
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C07K 16/28 (2006.01)
A61K 39/395 (2006.01)
A61K 47/68 (2017.01)
A61P 35/00 (2006.01)
C07K 19/00 (2006.01)
C12N 15/13 (2006.01)
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C07D 471/04 (2006.01)
A61K 31/4162 (2006.01)
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G01N 33/68 (2006.01)
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(54) METHOD FOR DIAGNOSING ERRONEOUS DISTANCE MEASUREMENT OF A LASER RANGEFINDER UNIT, LASER RANGEFINDER UNIT AND COMPUTER PROGRAM
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G01S 7/481 (2006.01)
G01S 7/4915 (2020.01)
G01S 17/36 (2006.01)
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A61P 37/04 (2006.01)
C12N 15/113 (2010.01)
C12N 15/117 (2010.01)
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A61K 31/7028 (2006.01)
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C12N 15/113 (2010.01)
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C12N 5/078 (2010.01)
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C22B 21/06 (2006.01)
F27B 3/04 (2006.01)
F27B 5/02 (2006.01)
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F04D 29/58 (2006.01)
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H02G 15/013 (2006.01)
F16L 5/02 (2006.01)
F16L 5/06 (2006.01)
F16L 19/065 (2006.01)
F16L 37/091 (2006.01)
F16L 37/248 (2006.01)
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H01R 13/52 (2006.01)
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H04W 24/06 (2009.01)
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B21D 39/04 (2006.01)
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C08J 11/26 (2006.01)
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A61K 31/4995 (2006.01)
A61K 31/704 (2006.01)
A61K 38/19 (2006.01)
A61P 35/00 (2006.01)
A61P 35/04 (2006.01)
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G06N 10/40 (2022.01)
B81B 3/00 (2006.01)
B82Y 10/00 (2011.01)
G06N 10/70 (2022.01)
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(72) WOLFOWICZ, Gary
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A47J 31/20 (2006.01)
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(72) BODUM, Jorgen
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(51) Int. Cl.
A61K 39/00 (2006.01)
A61K 35/17 (2015.01)
A61P 35/00 (2006.01)
A61P 43/00 (2006.01)
C07K 14/705 (2006.01)
C07K 16/18 (2006.01)
C07K 16/30 (2006.01)
C12N 5/0783 (2010.01)
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C07K 16/28 (2006.01)

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(72) MONSEUR, Tatiana; ABOU ALI, Mohamed
(74) FPA Patent Attorneys Pty Ltd

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B01J 23/63 (2006.01)
B01J 37/02 (2006.01)
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C01B 3/04 (2006.01)
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(74) Griffith Hack

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(54) DEVICE FOR INTRODUCING A FERTILISED EGG OR EMBRYO
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A61B 17/435 (2006.01)
A61D 19/04 (2006.01)
A61M 25/08 (2006.01)
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(54) ADJUSTING CARBON CONTENT IN DIRECT REDUCED IRON
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C21B 13/00 (2006.01)
C21B 13/12 (2006.01)
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(54) USE OF TAIL GAS MADE OF THE DISCHARGED GAS OF A REDUCTION PROCESS OF IRON OXIDE-CONTAINING MATERIAL
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C21B 13/00 (2006.01)
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(51) Int. Cl.
C06B 23/00 (2006.01)
C06B 31/28 (2006.01)
F42D 1/10 (2006.01)
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C08J 5/22 (2006.01)
B01D 67/00 (2006.01)
B01D 71/72 (2006.01)
C08G 61/08 (2006.01)
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(54) CLAMPING ATTACHMENT FOR PALLETIZING OF BUNDLED GOODS IN WAREHOUSING
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B65G 1/04 (2006.01)
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(21) 2023396678 (22) 08.12.2023
(54) ROLLING SHUTTER CAM LOCK SLAT
(51) Int. Cl.
E06B 9/86 (2006.01)
E06B 9/88 (2006.01)
E06B 9/15 (2006.01)
E06B 9/84 (2006.01)
E06B 9/92 (2006.01)
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(54) MODULAR SECURITY DOOR
(51) Int. Cl.
E05C 9/22 (2006.01)
E05C 9/18 (2006.01)
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E06B 3/36 (2006.01)
E06B 5/11 (2006.01)
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(51) Int. Cl.
A61K 9/127 (2006.01)
A61K 31/7088 (2006.01)
A61K 48/00 (2006.01)
A61P 35/00 (2006.01)
C07K 16/28 (2006.01)
C07K 16/30 (2006.01)
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C12N 9/22 (2006.01)
C12N 15/11 (2006.01)
C12N 15/113 (2010.01)
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C12N 5/078 (2010.01)
A61K 35/18 (2015.01)
A61K 39/00 (2006.01)
A61P 35/00 (2006.01)
A61P 37/04 (2006.01)
C12N 5/10 (2006.01)
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A61K 47/24 (2006.01)
A61K 9/00 (2006.01)
A61K 9/12 (2006.01)
A61K 9/127 (2006.01)
A61K 31/7105 (2006.01)
A61K 38/17 (2006.01)
A61K 48/00 (2006.01)
A61P 11/00 (2006.01)
C12N 15/68 (2006.01)
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(51) Int. Cl.
C07K 16/08 (2006.01)
A61P 21/00 (2006.01)
A61P 25/00 (2006.01)
C07K 16/28 (2006.01)
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(54) RETAINER CAP FOR USE WITH PLUMBING CONNECTORS
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F16L 37/091 (2006.01)
F16L 17/02 (2006.01)
F16L 25/12 (2006.01)
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(31) 63/384,262 (32) 18.11.22 (33) US
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(74) Allens Patent & Trade Mark Attorneys
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(54) COMBINATIONS OF MONOAMINE OXIDASE INHIBITORS AND SEROTONIN RECEPTOR AGONISTS AND THEIR THERAPEUTIC USE
(51) Int. Cl.
A61K 31/4045 (2006.01)
A61K 31/395 (2006.01)
A61K 31/33 (2006.01)
(87) WO2024/108195
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(54) RECOVERED LIGNIN AND DERIVATIZED RECOVERED LIGNIN HAVING REDUCED SILICON-CONTENT AND METHODS FOR REDUCING THE SILICON-CONTENT IN RECOVERED LIGNIN AND DERIVATIZED RECOVERED LIGNIN
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C08L 97/00 (2006.01)
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A61B 17/32 (2006.01)
A61M 25/04 (2006.01)
A61B 17/34 (2006.01)
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(21) 2023384823 (22) 25.10.2023
(54) HINGE AND CABINET INCORPORATING THE SAME
(51) Int. Cl.
E05D 7/04 (2006.01)
E05D 7/081 (2006.01)
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(74) FB Rice Pty Ltd

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(54) COMPOUNDS AND COMPOSITIONS AS eIF4E INHIBITORS AND USES THEREOF
(51) Int. Cl.
A61K 31/395 (2006.01)
A61K 31/166 (2006.01)
A61K 31/185 (2006.01)
A61K 31/505 (2006.01)
A61K 31/33 (2006.01)
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(74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

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C07D 495/04 (2006.01)
A61K 31/542 (2006.01)
A61P 35/00 (2006.01)
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(11) AU-A-2023374188
(21) 2023374188 (22) 23.10.2023
(54) NUCLEAR PLANT STEAM GENERATOR
(51) Int. Cl.
F22B 37/00 (2006.01)
F22B 37/24 (2006.01)
G21C 13/02 (2006.01)
G21D 1/00 (2006.01)
(87) WO2024/094462
(31) 2216157.4 (32) 31.10.22 (33) GB
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(71) ROSIRO INTELLECTUAL PROPERTY B.V.
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(21) 2023384848 (22) 21.11.2023
(54) POLYMER COMPOSITE COMPRISING MICRONIZED FELDSPAR
(51) Int. Cl.
C08L 67/02 (2006.01)
C08L 67/04 (2006.01)
C08L 101/16 (2006.01)
(87) WO2024/112195
(31) 2033576 (32) 21.11.22 (33) NL
(43) 30.05.2024
(72) LYNCH, Daniel Eric
(74) Denneweyer & Associates

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(54) AN ANIMAL TAG WITH A MATRIX CODE MARKER AND A HOLE
(51) Int. Cl.
A01K 11/00 (2006.01)
G06F 18/00 (2023.01)
G06F 18/10 (2023.01)
G06F 18/15 (2023.01)
G06F 18/2115 (2023.01)
G06K 7/10 (2006.01)
G06K 19/06 (2006.01)
G06V 30/12 (2022.01)
(87) WO2024/127399
(31) 299116 (32) 14.12.22 (33) IL
(43) 20.06.2024
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(54) GLOBAL AND LOCAL MATRIX CODE DICTIONARIES
(51) Int. Cl.
A01K 11/00 (2006.01)
G06T 7/73 (2017.01)
G06T 17/05 (2011.01)
(87) WO2024/127400
(31) 299117 (32) 14.12.22 (33) IL
(43) 20.06.2024
(72) KAMHINE, Eliyahou; GENZEL, Eran; ABRAMSON LIANI, Ari
(74) Spruson & Ferguson

(71) SAINT-GOBAIN PLACO
(11) AU-A-2023379683
(21) 2023379683 (22) 16.11.2023
(54) FIRE-RESISTANT GYPSUM BOARDS AND METHODS FOR MAKING THEM
(51) Int. Cl.
C04B 28/14 (2006.01)
C04B 24/42 (2006.01)
(87) WO2024/107991
(31) 63/384,059 (32) 16.11.22 (33) US
23152888.6 23.01.23 EP
(43) 23.05.2024
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(74) AJ PARK

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(21) 2023367585 (22) 26.10.2023
(54) BROCCOLI PLANT THAT PRODUCES SMALL FLOWER BUDS WITH UNIFORM SIZE AND HIGH YIELD, AND METHOD FOR PRODUCING PROCESSED PRODUCT THEREOF
(51) Int. Cl.
A01H 6/20 (2018.01)
A01H 5/00 (2018.01)
A01H 5/10 (2018.01)
A23L 19/00 (2016.01)
(87) WO2024/090529
(31) 2022-171660 (32) 26.10.22 (33) JP
(43) 02.05.2024
(72) FUNABIKI, Tomoaki
(74) Davies Collison Cave Pty Ltd

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(21) 2023410685 (22) 18.12.2023
(54) MEDICAL FACE MASK
(51) Int. Cl.
A61M 16/06 (2006.01)
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(43) 27.06.2024
(72) STANDLEY, Thomas David Auger
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(21) 2023397909 (22) 27.11.2023
(54) ROTATING SLEEVE, ROCK DRILLING MACHINE AND METHOD
(51) Int. Cl.

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B25D 17/00 (2006.01)
B25D 17/08 (2006.01)
E21B 7/02 (2006.01)
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Jussi; LÄÄKKÖLÄ, Esa; KIISTALA, Kai
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(11) AU-A-2023399747
(21) 2023399747 (22) 24.11.2023
(54) BOLTING HEAD, BOLTING RIG AND METHOD
(51) Int. Cl.
E21B 7/02 (2006.01)
E21B 19/08 (2006.01)
E21D 20/00 (2006.01)
(87) WO2024/115292
(31) 22210804.5 (32) 01.12.22 (33) EP
(43) 06.06.2024
(72) SIMILÄ, Jukka; KOPRA, Riku;
HELKALA, Jarno; RUOTSALAINEN,
Pasi; SILLANPÄÄ, Vesa; NURMIKOLU,
Heidi
(74) PHILLIPS ORMONDE FITZPATRICK
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(54) CELL-FREE PROTEIN SYNTHESIS SYSTEMS, REACTION MIXTURES FOR SAME, AND METHODS FOR PREPARING PROTEINS
(51) Int. Cl.
C12P 21/00 (2006.01)
C12N 15/10 (2006.01)
(87) WO2024/086925
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SAMANTA, Michaela; TAMER, Ibrahim
Melih; YADAV, Vikramaditya Ganapati
(74) Griffith Hack
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- (71) SAVEGGY AB
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(54) COATING COMPOSITION FOR FOODSTUFFS
(51) Int. Cl.
A23P 20/10 (2016.01)
A23B 7/16 (2006.01)
(87) WO2024/117958
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Arash; WIENA, Pirjo
(74) WRAYS PTY LTD
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- (71) SCHOTT AG; SCHOTT PRIMOCELEROY
(11) AU-A-2023414425
(21) 2023414425 (22) 18.12.2023
(54) METHOD FOR WELDING SUBSTRATES AND WELDED SUBSTRATES
(51) Int. Cl.
B81B 7/00 (2006.01)
B81C 1/00 (2006.01)
C03B 23/24 (2006.01)
B23K 26/20 (2014.01)
(87) WO2024/141298
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(43) 04.07.2024
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Antti; POLOJÄRVI, Ville; LAHTINEN,
Ossi
(74) FB Rice Pty Ltd
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(21) 2023367781 (22) 25.10.2023
(54) VARIANT IgG FC POLYPEPTIDES AND USES THEREOF
(51) Int. Cl.
A61P 37/02 (2006.01)
C07K 16/28 (2006.01)
(87) WO2024/092031
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CHEN, Yen-Lin; PECKNER, Ryan; OTI-POBY, Kevin Lewis; VISWESWARAI-AH, Jyothsna
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(11) AU-A-2023383441
(21) 2023383441 (22) 17.11.2023
(54) FC FUSION MOLECULES AND USES THEREOF
(51) Int. Cl.
C07K 16/46 (2006.01)
A61K 47/68 (2017.01)
(87) WO2024/108137
(31) 63/384,253 (32) 18.11.22 (33) US
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(43) 23.05.2024
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ROLLINS, Nathan; ANDERSON,
Jordan; ZHOU, Yanfeng; MASCAN-FRONI, Ivan; PELLERIN, Alex
(74) FB Rice Pty Ltd
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- (71) SEPTERNA, INC.
(11) AU-A-2023366855
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(54) COMPOUNDS, COMPOSITIONS AND METHODS OF USE TO TREAT HYPOPARATHYROIDISM AND OSTEOPOROSIS
(51) Int. Cl.
C07D 239/60 (2006.01)
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- C07D 487/04** (2006.01)
A61K 31/505 (2006.01)
A61P 19/02 (2006.01)
A61P 19/08 (2006.01)
(87) WO2024/091498
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Todd J. A.; BISHOP, Michael J.; MCKERRALL, Steven J.; ZHAO, Liang;
LAROCHE-GAUTHIER, Robin;
COLWELL, Curtis Eugene; BOUAYAD-GERVAIS, Samir; LEBLANC,
Melissa
(74) FB Rice Pty Ltd
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- (71) SHAHEEN INNOVATIONS HOLDING LIMITED
(11) AU-A-2023391243
(21) 2023391243 (22) 04.12.2023
(54) MIST GENERATOR DEVICE
(51) Int. Cl.
A24F 40/05 (2020.01)
A24F 40/40 (2020.01)
A61M 11/00 (2006.01)
A61M 15/00 (2006.01)
B05B 17/06 (2006.01)
H05K 5/06 (2006.01)
(87) WO2024/121536
(31) 63/430,309 (32) 05.12.22 (33) US
(43) 13.06.2024
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Sajid; MACHOVEC, Jeff; DIVAKARAN,
Dinil; MOHAMED HUSSEIN ARBAB,
Ahmed; LAMOUREUX, Clement
(74) Davies Collison Cave Pty Ltd
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(11) AU-A-2023391244
(21) 2023391244 (22) 04.12.2023
(54) MIST INHALER DEVICES FOR THERAPEUTIC DELIVERY
(51) Int. Cl.
A61M 15/06 (2006.01)
(87) WO2024/121537
(31) 63/430,307 (32) 05.12.22 (33) US
(43) 13.06.2024
(72) ALSHAIBA SALEH GHANNAM ALMAZROUEI, Mohammed; BHATTI,
Sajid; MACHOVEC, Jeff; DIVAKARAN,
Dinil; MOHAMED HUSSEIN ARBAB,
Ahmed; LAMOUREUX, Clement
(74) Davies Collison Cave Pty Ltd
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- (71) SHANGHAI HANSON BIOMEDICAL CO., LTD.; JIANGSU HANSON PHARMACEUTICAL GROUP CO., LTD.
(11) AU-A-2023362099
(21) 2023362099 (22) 20.10.2023
(54) SALT AND CRYSTAL FORM OF HETEROCYCLIC DERIVATIVE INHIBITOR, AND PREPARATION METHOD THEREFOR AND USE THEREOF
(51) Int. Cl.
C07D 471/04 (2006.01)

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A61K 31/495 (2006.01)
A61P 35/00 (2006.01)
C07D 401/14 (2006.01)
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(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) SHANGHAI LANGBO COMMUNICATION TECHNOLOGY COMPANY LIMITED
(11) AU-A-2023363890
(21) 2023363890 (22) 15.10.2023
(54) METHOD AND APPARATUS USED IN WIRELESS COMMUNICATION
(51) Int. Cl.
H04L 1/1607 (2023.01)
(87) WO2024/083054
(31) 202211286972.2 (32) 20.10.22 (33) CN
(43) 25.04.2024
(72) ZHANG, Jinfang; ZHANG, Xiaobo
(74) FB Rice Pty Ltd
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- (71) SHANGHAI LANGBO COMMUNICATION TECHNOLOGY COMPANY LIMITED
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(21) 2023363891 (22) 15.10.2023
(54) METHOD AND APPARATUS FOR COMMUNICATION NODE USED FOR WIRELESS COMMUNICATION
(51) Int. Cl.
H04W 28/02 (2009.01)
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(72) YU, Qiaoling; ZHANG, Xiaobo
(74) FB Rice Pty Ltd
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(11) AU-A-2023373925
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(54) BISPECIFIC ANTIBODY FOR GLYPIC-AN-3 AND USE THEREOF
(51) Int. Cl.
C07K 16/28 (2006.01)
A61K 39/395 (2006.01)
A61P 35/00 (2006.01)
C12N 5/10 (2006.01)
C12N 15/13 (2006.01)
C12N 15/63 (2006.01)
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(74) MBIP
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(11) AU-A-2023378470
(21) 2023378470 (22) 10.11.2023
(54) CUCURBITURIL COMPOUND AND MEDICAL USE THEREOF
(51) Int. Cl.
C07D 487/22 (2006.01)
A61K 31/407 (2006.01)
A61K 31/4188 (2006.01)
A61P 21/02 (2006.01)
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- (71) SHAW INDUSTRIES GROUP, INC.
(11) AU-A-2023367769
(21) 2023367769 (22) 25.10.2023
(54) NONWOVEN SURFACE COVERING ELEMENTS HAVING TONGUE AND GROOVE
(51) Int. Cl.
E04F 15/10 (2006.01)
B32B 5/06 (2006.01)
(87) WO2024/092019
(31) 63/419,166 (32) 25.10.22 (33) US
(43) 02.05.2024
(72) BURNS, James; BASS, Derek; ODUM, Thomas
(74) FPA Patent Attorneys Pty Ltd
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(21) 2024212226 (22) 24.01.2024
(54) VISUAL DEVICE FOR INDICATING VALUE OF ENVIRONMENTAL PARAMETER
(51) Int. Cl.
H05B 47/19 (2020.01)
G06N 20/00 (2019.01)
G09F 13/00 (2006.01)
H04W 12/06 (2021.01)
H04W 12/69 (2021.01)
H05B 47/105 (2020.01)
H05B 47/175 (2020.01)
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(43) 02.08.2024
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- (71) SIEMENS HEALTHCARE DIAGNOSTICS INC.
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(54) NANOPARTICLES COMPRISING POLYMERIZED GAMMA GLOBULIN AND METHODS OF PRODUCTION AND USE THEREOF
(51) Int. Cl.
G01N 33/543 (2006.01)
G01N 33/68 (2006.01)
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(21) 2023369489 (22) 02.10.2023
(54) FOAM ON FLUID DETECTOR
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B67D 1/12 (2006.01)
(87) WO2024/088703
(31) 2215888.5 (32) 27.10.22 (33) GB
2301553.0 03.02.23 GB
(43) 02.05.2024
(72) SIMPSON, Kenneth
(74) Wallington-Dummer Pty Ltd
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- (71) SIRIO HEALTHCARE (ANHUI) CO., LTD.
(11) AU-A-2023384249
(21) 2023384249 (22) 10.11.2023
(54) HIGH-STABILITY LIPOSOME, PREPARATION METHOD THEREFOR, AND USE THEREOF
(51) Int. Cl.
A61K 9/127 (2006.01)
A23L 33/10 (2016.01)
A23P 10/30 (2016.01)
A61K 31/047 (2006.01)
A61K 31/12 (2006.01)
(87) WO2024/109560
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(43) 30.05.2024
(72) WANG, Peijian; FANG, Suqiong; CHEN, Wenrong
(74) FB Rice Pty Ltd
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- (71) SNORKEL AI, INC.
(11) AU-A-2023383086
(21) 2023383086 (22) 14.11.2023
(54) SYSTEMS AND METHODS FOR PROGRAMMATIC LABELING OF TRAINING DATA FOR MACHINE LEARNING MODELS VIA CLUSTERING AND LANGUAGE MODEL PROMPTING
(51) Int. Cl.
G06F 18/23 (2023.01)
G06F 16/28 (2019.01)
G06F 16/35 (2019.01)
G06F 18/24 (2023.01)
G06F 40/20 (2020.01)
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G06N 3/00 (2023.01)
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(87) WO2024/107426
(31) 63/425,938 (32) 16.11.22 (33) US
(43) 23.05.2024
(72) SMITH, Ryan, Nathaniel; FOWLER, Bradley, Ryan; POMS, Fait; IYER, Naveen; HANCOCK, Braden; MALANI, Roshni
(74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

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(71) SOCIÉTÉ DES PRODUITS NESTLÉ S.A. (11) AU-A-2023398740 (21) 2023398740 (22) 04.12.2023 (54) A PROCESS AND COMPOSITION FOR PREPARING A HYDROLYZED LOW FAT COCONUT PRODUCT, USEFUL FOR EXAMPLE, AS A BEVERAGE OR AS A POWDER FOR DESERTS AND COOKING (51) Int. Cl. A23L 5/20 (2016.01) A23L 19/00 (2016.01) A23L 25/00 (2016.01) C11B 1/06 (2006.01) (87) WO2024/126129 (31) 202211072127 (32) 14.12.22 (33) IN 23155149.0 06.02.23 EP (43) 20.06.2024 (72) MITTAL, Sakshi; RAY, Joydeep; UP-ADHYAY, Rohit; WAGH, Madhavi; WANG, Seinn Lae; ANANTA, Edwin; TAN, Ching Theng; MUKHERJEE, Shreya (74) Spruson & Ferguson	(71) STAMICARBON B.V. (11) AU-A-2023384849 (21) 2023384849 (22) 22.11.2023 (54) COUPLED UREA MELAMINE PLANT (51) Int. Cl. C07D 251/60 (2006.01) B01J 6/00 (2006.01) C07C 273/02 (2006.01) C07D 251/62 (2006.01) (87) WO2024/112196 (31) 22208894.0 (32) 22.11.22 (33) EP (43) 30.05.2024 (72) PATIL, Rahul (74) Spruson & Ferguson	(71) STEEL AMERICAN LUXURY LLC; STEEL, N. (11) AU-A-2023406258 (21) 2023406258 (22) 30.11.2023 (54) BLOCKCHAIN-BASED ASSET AUTHENTICATION METHODS AND SYSTEMS (51) Int. Cl. G06F 16/20 (2019.01) G06F 16/27 (2019.01) H04L 9/00 (2022.01) H04L 9/32 (2006.01) G06Q 10/0835 (2023.01) G06Q 20/02 (2012.01) H04W 12/00 (2021.01) (87) WO2024/119005 (31) 63/428,889 (32) 30.11.22 (33) US (43) 06.06.2024 (72) STEEL, Nicole (74) CreatelIP
(71) SOCIÉTÉ DES PRODUITS NESTLÉ S.A. (11) AU-A-2023409831 (21) 2023409831 (22) 19.12.2023 (54) AERATED CREAMERS, PACKAGED READY-TO-USE AERATED CREAMERS, AND METHODS OF MAKING AND USING SUCH CREAMERS (51) Int. Cl. A23C 11/00 (2006.01) A23C 11/02 (2006.01) A23P 30/40 (2016.01) (87) WO2024/134507 (31) 63/434,552 (32) 22.12.22 (33) US	(71) STAMICARBON B.V. (11) AU-A-2023384850 (21) 2023384850 (22) 22.11.2023 (54) MULTIPRODUCT LOW BIURET UREA PRODUCTION (51) Int. Cl. C07C 273/04 (2006.01) B01J 19/00 (2006.01) C07C 273/12 (2006.01) C07C 273/16 (2006.01) C07D 251/60 (2006.01) (87) WO2024/112197 (31) 22208916.1 (32) 22.11.22 (33) EP (43) 30.05.2024 (72) MANIC, Branislav; PATIL, Rahul (74) Spruson & Ferguson (71) STAMICARBON B.V. (11) AU-A-2023384851 (21) 2023384851 (22) 22.11.2023 (54) UREA MELAMINE PLANT WITH MELAMINE OFF-GAS CONDENSER (51) Int. Cl. C07D 251/60 (2006.01) B01J 6/00 (2006.01) C07C 273/02 (2006.01)	(71) STEMCELL TECHNOLOGIES CANADA INC. (11) AU-A-2023382179 (21) 2023382179 (22) 17.11.2023 (54) FLUID FILTRATION APPARATUS AND RELATED METHODS (51) Int. Cl. A61M 1/36 (2006.01) B01D 17/038 (2006.01) (87) WO2024/103186 (31) 63/384,395 (32) 18.11.22 (33) US (43) 23.05.2024 (72) WILLIAMSON, Mark; CHEN, Kevin; STARKEY, Benjamin; STEVENS, Cole (74) Halfords IP (71) STERILE STATE, LLC (11) AU-A-2023385499 (21) 2023385499 (22) 20.11.2023

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(51) Int. Cl.
C07C 381/00 (2006.01)
A61L 2/20 (2006.01)
C01B 21/24 (2006.01)
C07D 331/04 (2006.01)
A61L 101/02 (2006.01)
(87) WO2024/112667
(31) 63/427,051 (32) 21.11.22 (33) US
(43) 30.05.2024
(72) FROST, Megan Cecelia
(74) RnB IP
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- (71) STORA ENSO OYJ
(11) AU-A-2023409780
(21) 2023409780 (22) 18.12.2023
(54) A METHOD FOR MANUFACTURING A PHA COATED FIBER-BASED SUBSTRATE WITH A FIRST AND A SECOND PHA AQUEOUS COATING COMPOSITIONS AND A FIBER-BASED SUBSTRATE COATED WITH THE METHOD
(51) Int. Cl.
D21H 19/82 (2006.01)
B32B 27/10 (2006.01)
B32B 29/00 (2006.01)
C09D 167/00 (2006.01)
D21H 27/30 (2006.01)
(87) WO2024/134456
(31) 2230441-4 (32) 22.12.22 (33) SE
(43) 27.06.2024
(72) HEISKANEN, Isto; BACKFOLK, Kaj; LYYTIKÄINEN, Katja; NYFLÖTT, Åsa
(74) Spruson & Ferguson
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- (71) STORA ENSO OYJ
(11) AU-A-2023418089
(21) 2023418089 (22) 18.12.2023
(54) A METHOD FOR THE MANUFACTURING OF A DISPERSION COATED PAPERBOARD WITH AT LEAST TWO LAYERS OF PHA HAVING DIFFERENT CRISTALLINITY AND A COATED PAPERBOARD
(51) Int. Cl.
D21H 19/82 (2006.01)
B32B 27/10 (2006.01)
B32B 29/00 (2006.01)
C09D 167/00 (2006.01)
D21H 27/30 (2006.01)
(87) WO2024/141850
(31) 2230443-0 (32) 27.12.22 (33) SE
(43) 04.07.2024
(72) CUNHA, Gisela; BACKFOLK, Kaj; NYFLÖTT, Åsa
(74) Spruson & Ferguson
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- (71) STRYKER CORPORATION
(11) AU-A-2023376909
(21) 2023376909 (22) 07.11.2023
(54) METHODS FOR COUNTING AND SEARCHING FOR SURGICAL SPONGES
(51) Int. Cl.
G16H 40/20 (2018.01)
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- A61B 50/30** (2016.01)
G06K 17/00 (2006.01)
G06K 19/07 (2006.01)
(87) WO2024/102367
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(43) 16.05.2024
(72) VANDERWOUDE, Brian James; ANDREWS, Justin Michael; BAJAJ, Yoganshu; GRIFFIN, Martin; SY, Thang; POTTS, Whitney - Lexia; KANCHAR-LAPALLI, Dhanalakshmi
(74) Davies Collison Cave Pty Ltd
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- (71) STRYKER CORPORATION
(11) AU-A-2023384264
(21) 2023384264 (22) 27.11.2023
(54) PATIENT SUPPORT APPARATUS COMMUNICATION SYSTEM
(51) Int. Cl.
A61G 7/00 (2006.01)
G16H 10/60 (2018.01)
G16H 40/67 (2018.01)
A61G 7/05 (2006.01)
G16H 80/00 (2018.01)
H04L 67/12 (2022.01)
(87) WO2024/112963
(31) 63/428,077 (32) 27.11.22 (33) US
(43) 30.05.2024
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(74) Davies Collison Cave Pty Ltd
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- (71) STRYKER CORPORATION
(11) AU-A-2023385714
(21) 2023385714 (22) 21.11.2023
(54) METHODS FOR CHARACTERIZING FLUIDS FLOWING THROUGH A CONDUIT WITH A SYSTEM INCLUDING OPTICAL EMITTERS AND DETECTORS
(51) Int. Cl.
G01N 21/85 (2006.01)
A61M 1/00 (2006.01)
G01N 21/25 (2006.01)
G01N 21/31 (2006.01)
G01N 21/53 (2006.01)
(87) WO2024/112739
(31) 63/426,909 (32) 21.11.22 (33) US
(43) 30.05.2024
(72) FAUL, Stephen; BURKE, Michael; KUMAR, Mayank; LIN, Keng-Tsai
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H01R 13/44 (2006.01)
A61G 7/018 (2006.01)
A61G 7/05 (2006.01)
A61G 13/10 (2006.01)
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- H01R 13/64** (2006.01)
H01R 13/703 (2006.01)
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A61B 18/14 (2006.01)
A61B 18/00 (2006.01)
A61B 18/12 (2006.01)
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C10K 1/02 (2006.01)
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A61G 5/06 (2006.01)
A61G 5/04 (2013.01)
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B60G 3/18 (2006.01)
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B65G 39/09 (2006.01)
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G01M 13/04 (2019.01)
B65G 39/00 (2006.01)
B65G 43/00 (2006.01)
F16C 41/00 (2006.01)
G01K 1/02 (2021.01)
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E02D 27/42 (2006.01)
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E04H 12/22 (2006.01)
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A01N 43/50 (2006.01)
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C07D 401/04 (2006.01)
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C07D 413/14 (2006.01)
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B64C 39/02 (2023.01)
A01C 21/00 (2006.01)
B64D 47/08 (2006.01)
G06Q 50/02 (2024.01)
B64U 101/30 (2023.01)
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A61K 39/12 (2006.01)
A61K 9/19 (2006.01)
A61K 39/00 (2006.01)
A61K 39/295 (2006.01)
A61K 39/39 (2006.01)
A61K 47/00 (2006.01)
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C12M 3/00 (2006.01)
A61D 19/02 (2006.01)
B01L 3/00 (2006.01)
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G06N 5/022 (2023.01)
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C07H 21/00 (2006.01)
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A61K 31/337 (2006.01)
A61K 39/395 (2006.01)
A61P 35/00 (2006.01)
A61P 37/04 (2006.01)
C07D 305/14 (2006.01)
C07K 7/08 (2006.01)
C07K 14/705 (2006.01)
C07K 16/28 (2006.01)
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A61K 9/00 (2006.01)
A61K 38/17 (2006.01)
A61P 3/04 (2006.01)
A61P 3/06 (2006.01)
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C07K 14/47 (2006.01)
C12N 15/85 (2006.01)
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G01N 33/50 (2006.01)
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A61K 45/00 (2006.01)
A61K 39/395 (2006.01)
A61P 21/00 (2006.01)
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A61K 35/15 (2015.01)
A61K 35/17 (2015.01)
A61P 35/02 (2006.01)
C07K 14/705 (2006.01)
C07K 16/28 (2006.01)
C07K 19/00 (2006.01)
C12N 5/078 (2010.01)
C12N 5/10 (2006.01)
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F01D 25/28 (2006.01)
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H02J 3/14 (2006.01)
C25B 15/02 (2021.01)
H02J 3/28 (2006.01)
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B65D 75/58 (2006.01)
B65D 33/38 (2006.01)
B65D 65/40 (2006.01)
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G01N 1/40 (2006.01)
G01N 33/00 (2006.01)
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G10H 1/00 (2006.01)
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A61K 31/519 (2006.01)
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(54) METHOD FOR PROCESSING IONIC LIQUID PREPARATION AND TISSUE, AND APPLICATION THEREOF
(51) Int. Cl.
G01N 1/28 (2006.01)
G01N 1/36 (2006.01)
G01N 33/48 (2006.01)
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(74) Griffith Hack
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A61G 7/057 (2006.01)
A47C 27/08 (2006.01)
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C07K 14/435 (2006.01)
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C07K 14/725 (2006.01)
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A61K 8/04 (2006.01)
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A61K 8/31 (2006.01)
A61K 8/34 (2006.01)
A61K 8/37 (2006.01)
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A61Q 15/00 (2006.01)
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A61G 7/057 (2006.01)
A47C 21/04 (2006.01)
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A61H 15/02 (2006.01)
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B60N 2/56 (2006.01)
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A61K 9/00 (2006.01)
A61J 1/14 (2023.01)
A61J 7/04 (2006.01)
A61K 9/70 (2006.01)
A61K 9/02 (2006.01)
B32B 37/00 (2006.01)
B65D 83/00 (2006.01)
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 PRODUCING GLUFOSINATE OR ISO-
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C07C 269/04 (2006.01)
C07F 9/30 (2006.01)
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A61K 31/444 (2006.01)
A61P 1/00 (2006.01)
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D06F 73/02 (2006.01)
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C07D 498/04 (2006.01)
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 SUBSTITUTED TETRAHYDROFURAN
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C07D 213/61 (2006.01)
A61K 31/443 (2006.01)
A61P 29/00 (2006.01)
C07D 213/78 (2006.01)
C07D 307/12 (2006.01)
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C07D 405/02 (2006.01)
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(51) Int. Cl.
G06Q 10/0635 (2023.01)
G06Q 30/014 (2023.01)
G06Q 30/0234 (2023.01)
G06Q 30/0283 (2023.01)
G06Q 50/10 (2012.01)
G16Y 10/40 (2020.01)
H04B 7/185 (2006.01)
H04L 41/5003 (2022.01)
H04L 41/5067 (2022.01)
H04L 43/08 (2022.01)
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H04N 21/647 (2011.01)
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E02D 5/24 (2006.01)
E02D 5/28 (2006.01)
E02D 5/30 (2006.01)
E02D 7/18 (2006.01)
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G16H 30/40 (2018.01)
A61B 5/026 (2006.01)
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G06T 17/20 (2006.01)
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(74) Kings Patent & Trade Marks Attorneys Pty Ltd
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G16H 30/40 (2018.01)
A61B 5/00 (2006.01)
G06N 20/00 (2019.01)
G06T 7/00 (2017.01)
G06T 7/10 (2017.01)
G06T 7/60 (2017.01)
G06T 9/00 (2006.01)
G06T 17/20 (2006.01)
G16H 50/20 (2018.01)
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(51) Int. Cl.
C12M 3/00 (2006.01)
A61D 19/04 (2006.01)
C12M 1/12 (2006.01)
C12M 1/26 (2006.01)
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A61C 3/00 (2006.01)
A47B 96/00 (2006.01)
A47B 96/02 (2006.01)
F24F 7/00 (2021.01)
F24F 11/00 (2018.01)
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B32B 1/08 (2006.01)
B32B 27/32 (2006.01)
F16L 9/12 (2006.01)
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E21B 19/16 (2006.01)
E21B 44/00 (2006.01)
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B65H 75/42 (2006.01)
B65H 75/44 (2006.01)
E21B 19/00 (2006.01)
E21B 19/02 (2006.01)
E21B 19/08 (2006.01)
E21B 19/086 (2006.01)
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E21B 37/00 (2006.01)
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(51) Int. Cl.
B64F 1/32 (2006.01)
A47G 29/14 (2006.01)
B64U 101/67 (2023.01)
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B64C 1/14 (2006.01)
B64C 39/02 (2023.01)
B64D 1/10 (2006.01)
B64U 101/60 (2023.01)
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G05D 1/00 (2024.01)
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B64C 11/30 (2006.01)
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(51) Int. Cl.
B60N 2/28 (2006.01)
B60N 2/42 (2006.01)
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(74) Allens Patent & Trade Mark Attorneys

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(54) CONNECTING JOINT, SUPPORTING DEVICE FOR CHILD CARRIER AND CHILD CARRIER
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B62B 7/06 (2006.01)
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E04G 21/14 (2006.01)
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(54) METHOD FOR STATUS MONITORING AND ACTIVE PROTECTION OF OIL FILLED TRANSFORMER, RECORDING MEDIUM, AND SYSTEM
(51) Int. Cl.
G01R 31/62 (2020.01)
G01N 33/28 (2006.01)
G05B 23/02 (2006.01)
G08B 19/00 (2006.01)
H01F 27/00 (2006.01)
H02H 5/00 (2006.01)
H02H 7/04 (2006.01)
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(21) 2023376277 (22) 13.10.2023
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(51) Int. Cl.
C03B 37/012 (2006.01)
C03B 37/027 (2006.01)
G02B 6/02 (2006.01)
G02B 6/032 (2006.01)
(87) WO2024/099033
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(51) Int. Cl.
A61K 31/7088 (2006.01)
A61K 31/713 (2006.01)
A61K 35/17 (2015.01)
A61K 35/763 (2015.01)
A61P 35/00 (2006.01)
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(11) AU-A-2023371019
(21) 2023371019 (22) 18.10.2023
(54) GAMMA-AMINOBUTYRIC ACID DERIVATIVE COMPRISING POLYCYCLIC STRUCTURE, METHOD FOR PREPARING SAME, AND USE THEREOF
(51) Int. Cl.
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(72) ZHAO, Guilong; GAO, Zhaobing; WU, Qingqing; ZHENG, Yueming; SUN, Li; TIAN, Fuyun; HE, Jinyan; XU, Haiyan; CHEN, Yuting; ZHAN, Li; JIN, Zhengsheng; GU, Yueling; CHENG, Xinqiang; ZHANG, Wenbo; ZHANG, Yuanwen
(74) Allens Patent & Trade Mark Attorneys
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- (71) ZTE CORPORATION
(11) AU-A-2023431388
(21) 2023431388 (22) 24.11.2023
(54) DATA SET SENDING AND RECEIVING METHODS, ELECTRONIC DEVICE, AND STORAGE MEDIUM
(51) Int. Cl.
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(72) WANG, Xiyu; LU, Zhaohua; XIAO, Hua-hua
(74) Davies Collison Cave Pty Ltd
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- (71) ZYMEWORKS BC INC.
(11) AU-A-2023366000
(21) 2023366000 (22) 19.10.2023
(54) ANTI-NAPI2B ANTIBODIES AND METHODS OF USE
(51) Int. Cl.
C07K 16/28 (2006.01)
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(72) WICKMAN, Grant Raymond; RICH, James R.; HERNANDEZ ROJAS, Andrea; ESCOBAR-CABRERA, Eric; GENE, Robert William; BARNSCHER, Stuart Daniel; LAWN, Samuel Oliver; KANG, Sukhbir Singh; CHUI, Danny; CLAVETTE, Brandon; BROWMAN, Duncan; VOLKERS, Gesa
(74) FB Rice Pty Ltd
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- (71) ZYMEWORKS BC INC.
(11) AU-A-2023366004
(21) 2023366004 (22) 19.10.2023
(54) TRIVALENT AND TRISPECIFIC ANTIBODY CONSTRUCTS AND METHODS OF USE THEREOF
(51) Int. Cl.
C07K 16/28 (2006.01)
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(43) 25.04.2024
(72) AFACAN, Nicole; PISCITELLI, Chayne L.; NEWHOOK, Lisa; BHOJANE, Purva Prashant; ZWIERZCHOWSKI, Patricia; REPENNING, Peter; WEISSER, Nina E.; SPRETER VON KREUDENSTEIN, Thomas; TAO, Paula; DOUDA, David; FERNS, Kelsey; JANCOWSKI, Sylwia; KANG, Sukhbir Singh; FREIBURGER, Lee; ESCALANTE, Nichole K.
(74) FB Rice Pty Ltd

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2023403030	TAKEDA PHARMACEUTICAL COMPANY LIMITED	2023419113			
2023404393	SUZHOU SUNCADIA BIOPHARMACEUTICALS CO., LTD.; SHANGHAI HENGRUI PHARMACEUTICAL CO.,	2023421701			
		2023421785			
		2023422608			

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2023423107	KVERNELAND GROUP NIEUW-VENNEP B.V.
2023424060	DYNAVISUAL AG
2023425728	CHONGQING CHANGAN AUTOMOBILE CO LTD
2023431388	ZTE CORPORATION
2023436657	SO, C.W.
2023441060	CONTEMPORARY AMPEREX TECHNOLOGY (HONG KONG) LIMITED
2023441291	CONTEMPORARY AMPEREX TECHNOLOGY (HONG KONG) LIMITED
2023446247	DSM IP ASSETS B.V.
2023462921	CHINA SATELLITE NETWORK INNOVATION CO., LTD
2024206623	CARLSMED, INC.
2024207034	KNOLES, K.
2024207132	LINKGEVITY LIMITED
2024209831	WISK AERO LLC
2024210350	LIVA POWER MANAGEMENT SYSTEMS GMBH
2024210880	GEORGIA TECH RESEARCH CORPORATION
2024211151	QUALITAS MANUFACTURING INCORPORATED
2024211287	SIEMENS HEALTHCARE DIAGNOSTICS INC.
2024212226	SIEFKEN, N.
2024212577	ALCON INC.
2024215405	UNIVERSAL TECH CORPORATION
2024215767	HOLCIM (AUSTRALIA) PTY LTD
2024215805	SYNGENTA CROP PROTECTION AG
2024215808	TOPPAN HOLDINGS INC.
2024217663	BRISTOL-MYERS SQUIBB COMPANY; JANSSEN PHARMACEUTICA NV
2024222924	TSINGHUA UNIVERSITY
2024225936	NORSK HYDRO ASA
2024227842	ASAHI GROUP HOLDINGS, LTD.; ASAHI BREWERIES, LTD.
2024255227	WATKINS, B.N.
2024257046	THYSSENKRUPP NUCERA AG & CO. KGAA
2024258456	JIANGSU ADVANCED CONSTRUCTION MACHINERY INNOVATION CENTER LTD.
2024278197	WUHAN NARI LIMITED LIABILITY COMPANY OF STATE GRID ELECTRIC POWER RESEARCH INSTITUTE; STATE GRID HUBEI ELECTRIC POWER CO., LTD.; STATE GRID ELECTRIC POWER RESEARCH INSTITUTE
2024278868	NANJING CHERVON INDUSTRY CO., LTD.
2024280540	CHONGQING CHANGAN AUTOMOBILE CO., LTD.
2024287273	GLENMARK SPECIALTY S.A.
2024288879	LG ELECTRONICS INC.
2024293826	PLURI BIOTECH LTD.
2024343385	KOREA ZINC CO., LTD.
2024343391	VERSUNI HOLDING B.V.
2024349492	QINGDAO PORT INTERNATIONAL CO., LTD.; FEIMABIN (QINGDAO) INTELLIGENT TECHNOLOGY CO., LTD.; QINGDAO QIANWAN WEST PORT UNITED TERMINAL CO., LTD.
2024361194	MAN WAH FURNITURE MANUFACTURING (SHENZHEN) CO., LTD.
2024361195	MAN WAH FURNITURE MANUFACTURING (SHENZHEN) CO., LTD.
2024361196	MAN WAH FURNITURE MANUFACTURING (SHENZHEN) CO., LTD.
2024378304	HOLLISTER INCORPORATED

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<u>A01B 69 I/-</u>	<u>A01N 59 I/-</u>	<u>A23L 2 I/-</u>	<u>A47C 31 I/-</u>	<u>A61B 7 I/-</u>	2023362745
2023423107	2024207034	2023405791	2024361195	2023369259	2023362746
	<u>A01N 63 I/-</u>	2023405794	<u>A47C 7 I/-</u>	<u>A61B 90 I/-</u>	2023362749
<u>A01C 21 I/-</u>		2024227842			2023362750
2023400622	2023376861	<u>A23L 25 I/-</u>	2024361194	2023362216	2023366855
	<u>A01P 1 I/-</u>	2023398740	<u>A47G 29 I/-</u>	2023414321	2023367693
<u>A01D 34 I/-</u>	2023376861	<u>A23L 27 I/-</u>	2023373668	<u>A61C 3 I/-</u>	2023367733
2023396652	<u>A01P 13 I/-</u>	2024227842	<u>A47J 31 I/-</u>	2024255227	2023370101
<u>A01D 82 I/-</u>	2023384875	<u>A23L 29 I/-</u>	2023406670	<u>A61D 19 I/-</u>	2023370470
2022482905	<u>A01P 23 I/-</u>	2023446247	<u>A47J 37 I/-</u>	2023365800	2023371019
<u>A01G 24 I/-</u>	2024207034	<u>A23L 33 I/-</u>	2023388164	2023381639	2023373196
2022487664	<u>A21D 13 I/-</u>	2023384249	<u>A47J 42 I/-</u>	2023400737	2023374468
<u>A01G 3 I/-</u>	2023384028	2023405791	2023378689	2023365800	2023375675
2022482905	<u>A22B 7 I/-</u>	2023446247	<u>A47K 10 I/-</u>	2023378435	2023378470
<u>A01G 5 I/-</u>	2024210880	<u>A23L 5 I/-</u>	2022483585	2023378958	2023379702
2022482905	<u>A22C 21 I/-</u>	2023398740	<u>A47L 11 I/-</u>	2023379925	2023382154
<u>A01H 1 I/-</u>	2024210880	<u>A23L 7 I/-</u>	2023369015	2023384200	2023382175
2024215805	<u>A23B 4 I/-</u>	2023384028	<u>A47L 17 I/-</u>	2023397394	2023382178
<u>A01H 5 I/-</u>	2024207132	2023384249	2023412802	2024206623	2023382489
2023367585	<u>A23B 7 I/-</u>	<u>A23P 10 I/-</u>	<u>A61B 1 I/-</u>	<u>A61F 5 I/-</u>	2023382514
2024215805		<u>A23P 20 I/-</u>		2023414321	2023383549
<u>A01H 6 I/-</u>	2023400785	2023400785	2023371826	2024378304	2023384147
2023367585	<u>A23C 11 I/-</u>	<u>A23P 30 I/-</u>	2023386217	<u>A61F 7 I/-</u>	2023384249
<u>A01K 11 I/-</u>	2023385589	2023409831	<u>A61B 17 I/-</u>	2024215405	2023385486
2023393477	2023409831	<u>A24F 40 I/-</u>	2023381639	<u>A61G 13 I/-</u>	2023388494
2023393479	<u>A23G 1 I/-</u>	2023391243	2023385543	2023385996	2023388644
<u>A01K 27 I/-</u>	2023385589	<u>A41B 9 I/-</u>	2023386015		2023390972
2023397996	2023405598		2023395830	<u>A61G 5 I/-</u>	2023390975
<u>A01M 1 I/-</u>	<u>A23G 3 I/-</u>	2023399935	2023395860	2023383440	2023391361
2023401311	2023446247	<u>A47B 5 I/-</u>	2023414321		2023391870
	<u>A23G 9 I/-</u>	2023394295	<u>A61B 18 I/-</u>	<u>A61G 7 I/-</u>	2023406476
<u>A01M 29 I/-</u>	2023405598	<u>A47B 96 I/-</u>	2023377343	2023369682	2023406609
2023401311	<u>A23J 3 I/-</u>	2024255227	2023381615	2023384264	2023408571
<u>A01N 1 I/-</u>	2023385589	<u>A47C 17 I/-</u>	2023402708	2023385996	2023409124
2024207132	<u>A23L 11 I/-</u>	2024361196	2024212577	2024215405	2023409398
<u>A01N 25 I/-</u>	2023385589	<u>A47C 21 I/-</u>	<u>A61B 5 I/-</u>	<u>A61H 15 I/-</u>	2023411495
2023412658	<u>A23L 19 I/-</u>	2024215405	2022488113	2024215405	2023413130
<u>A01N 43 I/-</u>	2023367585	<u>A47C 27 I/-</u>	2023369259	<u>A61J 1 I/-</u>	2023413142
2023384875	2023398740		2023370516	2023380489	2023421785
2023393591	2024227842	2023369682	2023371464	<u>A61J 3 I/-</u>	2024207132
			2023380278	2023389809	2024217663
			2023380279	<u>A61J 7 I/-</u>	2024287273
			2023386217	2023380489	<u>A61K 33 I/-</u>
			2023409883		2023381281
			<u>A61B 50 I/-</u>	<u>A61K 31 I/-</u>	2024207132
			2023376909	2022488975	<u>A61K 35 I/-</u>
				2023362099	2023362071
					2023362748
					2023368929
					2023376861
					2023378075
					2023378435
					2023380303
					2023387045
					2023402916
					2023406021
					2024293826
					<u>A61K 38 I/-</u>
					2023365612

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2023370368	2023391361	<u>A61M 39 /-</u>	2023371019	2023380480	<u>A63F 9 /-</u>
2023374544			2023374468	2023382154	
2023380303	<u>A61K 8 /-</u>	2023379739	2023377201	2023382514	2023305396
2023382514			2023382178	2023383346	
2023383349	2023389969	<u>A61M 5 /-</u>	2023384037	2023383352	<u>B01D 15 /-</u>
2023383563	2023390012		2023384143	2023385486	
2023384143	2023391612	2022486210	2023388494	2023387045	2023382069
2023386744	2023391717		2023390972	2023394246	
2023391361	2023408585	<u>A61M 60 /-</u>	2023395983	2023402916	<u>B01D 17 /-</u>
2023410327	2023411413		2023403030	2023404393	
		2023401004	2023406476	2023406021	2023382179
<u>A61K 39 /-</u>	<u>A61K 9 /-</u>	<u>A61N 1 /-</u>	2023406609	2023409124	<u>B01D 24 /-</u>
				2023409398	
2022487460	2023365824		<u>A61P 27 /-</u>	2023412598	2023386712
2023365824	2023370368	2023383185		2023413142	2023386713
2023365967	2023373010		2022488975	2024293826	
2023366000	2023376438	<u>A61P 1 /-</u>	2023362071		<u>B01D 35 /-</u>
2023366004	2023378958		2023373010	<u>A61P 37 /-</u>	
2023366254	2023380480	2022488975			2023378413
2023366512	2023380489	2023362071	<u>A61P 29 /-</u>	2022487460	2023417390
2023368765	2023381718	2023373196		2022488975	
2023368929	2023383349	2023390972	2023367733	2023362071	<u>B01D 39 /-</u>
2023373925	2023383352	2023413130	2023368765	2023362745	
2023377201	2023383563	<u>A61P 11 /-</u>	2023390972	2023366004	2023384058
2023378075	2023384143		2023391870	2023367781	
2023379587	2023384249	2023362071	2023399037	2023368929	<u>B01D 41 /-</u>
2023382154	2023385865	2023388916		2023382154	
2023383346	2023388644	2023391361	<u>A61P 3 /-</u>		2023374404
2023387045	2023391361	2023413130		<u>A61P 43 /-</u>	<u>B01D 46 /-</u>
2023388916	2023406609		2022488975		
2023389158	2023408571	<u>A61P 13 /-</u>	2023362071	2023362071	2023378413
2023394246	2023413142		2023365612	2023377201	
2023399037	2023421785	2023362071	2023367733	2024207132	<u>B01D 53 /-</u>
2023402916	2024217663	2023370470	2023373196	2024293826	
2023404393	2024287273	2023390975	2023383563		2023378123
2023412598		<u>A61P 15 /-</u>	2023386744	<u>A61P 7 /-</u>	2023381624
2024293826	<u>A61L 101 /-</u>		2023390972		2023382069
		2023380303	2023403030	2023383349	2023404531
<u>A61K 45 /-</u>	2023385499		<u>A61P 31 /-</u>	2023384147	<u>B01D 61 /-</u>
	2023391737	<u>A61P 17 /-</u>		2023399037	
2023362071			2023362071	<u>A61P 9 /-</u>	2023370535
2023377201	<u>A61L 2 /-</u>	2022488975	2023366254		<u>B01D 67 /-</u>
2023379587		2023362071	2023370368	2022488975	
2024207132	2023385499	2023381281	2023376861	2023362071	
<u>A61K 47 /-</u>	<u>A61L 9 /-</u>	2023413130	2023381281	2023381445	2023409112
		2024207132	2023382175	2023383352	
2023364370	2023391737	<u>A61P 19 /-</u>	2023388916	2023390972	<u>B01D 69 /-</u>
2023365824	2023401311		2024207034	2023395944	
2023366000			<u>A61P 33 /-</u>	<u>A61Q 11 /-</u>	2023404531
2023366254	<u>A61M 1 /-</u>	2022488975			<u>B01D 71 /-</u>
2023370368		2023362071	2023366328	2023389969	
2023376438	2022490560	2023366855		2023390012	2023409112
2023380480	2023382179	2023368765	<u>A61P 35 /-</u>	2023391612	
2023381718	2023385714	2023390972		2023391717	<u>B01J 10 /-</u>
2023382154		2023403030			
2023383349	<u>A61M 11 /-</u>	<u>A61P 21 /-</u>	2022487460	<u>A61Q 15 /-</u>	2023385483
2023383352			2022488975		
2023383441	2023391243	2022488975	2023362071	2023411413	<u>B01J 19 /-</u>
2023385865		2023377201	2023362099		
2023385867	<u>A61M 15 /-</u>	2023378470	2023362748	<u>A61Q 17 /-</u>	2023384850
2023386744		2023385867	2023366000		
2023391361	2023391243	2023395983	2023366004	2023408585	<u>B01J 21 /-</u>
2023404393	2023391244	<u>A61P 23 /-</u>	2023367733		
2023406609	<u>A61M 16 /-</u>		2023368929	<u>A61Q 19 /-</u>	2023380310
2023412598		2023378470	2023370101		<u>B01J 23 /-</u>
2023421785	2023410685		2023373925	2023408585	
2024287273	<u>A61M 25 /-</u>	<u>A61P 25 /-</u>	2023375677		2023396734
<u>A61K 48 /-</u>			2023378332	<u>A63F 13 /-</u>	
	2023381639	2022488975	2023378435		<u>B01J 3 /-</u>
2023364350	2023386015	2023362071	2023378470	2023305396	
2023378958		2023367693	2023378958		2023384852
			2023379587		

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2023396734	2023374904 2023374905	2023366912	2023366056	2023413668	2023380489
<u>B01J 6 /-</u>	<u>B22F 12 /-</u>	<u>B30B 15 /-</u>	<u>B60G 3 /-</u>	<u>B63B 22 /-</u>	<u>B65G 1 /-</u>
2023384849 2023384851	2023374904 2023374905	2023416840	2023383440	2023418217	2024349492
<u>B01J 8 /-</u>	<u>B22F 7 /-</u>	<u>B30B 7 /-</u>	<u>B60H 1 /-</u>	<u>B63B 27 /-</u>	<u>B65G 11 /-</u>
2023395016	2023374904 2023374905	2023416840	2023368823	2023418217	2023397383
<u>B01L 3 /-</u>	<u>B23D 57 /-</u>	<u>B32B 1 /-</u>	<u>B60K 1 /-</u>	<u>B63B 35 /-</u>	<u>B65G 23 /-</u>
2023365800	2023364805	2023399957 2023436657	2023368823	2023385156 2023418217	2023367773
<u>B02C 25 /-</u>	<u>B23K 26 /-</u>	<u>B32B 13 /-</u>	<u>B60K 8 /-</u>	<u>B64C 1 /-</u>	<u>B65G 39 /-</u>
2023406259	2023414425	2023436657	2023417846	2023373662	2023367773
<u>B05B 1 /-</u>	<u>B23Q 1 /-</u>	<u>B32B 27 /-</u>	<u>B60L 53 /-</u>	<u>B64C 11 /-</u>	<u>B65G 43 /-</u>
2023396828	2023374904 2023374905	2023366912 2023399957 2023400745 2023409780 2023418089	2022490886	2024209831	2023367773
<u>B05B 15 /-</u>	<u>B25B 11 /-</u>	<u>B32B 29 /-</u>	<u>B60L 58 /-</u>	<u>B64C 27 /-</u>	<u>B65G 47 /-</u>
2023396828	2023421701	2023409780 2023418089	2024258456	2024209831	2024210880 2024349492
<u>B05B 17 /-</u>	<u>B25B 5 /-</u>	<u>B32B 37 /-</u>	<u>B60N 2 /-</u>	<u>B64C 39 /-</u>	<u>B65H 75 /-</u>
2023391243	2023421701	2023380489	2023363769 2024215405 2024361194	2023373662 2023400622	2022485928
<u>B05B 3 /-</u>	<u>B25D 17 /-</u>	<u>B32B 5 /-</u>	<u>B60P 1 /-</u>	<u>B64D 1 /-</u>	<u>B66B 1 /-</u>
2023374404	2023397909	2023366912 2023367769	2023366056 2023417846	2023373662	2022483792
<u>B09B 3 /-</u>	<u>B25F 5 /-</u>	<u>B32B 7 /-</u>	<u>B60P 3 /-</u>	<u>B64D 47 /-</u>	<u>B66B 13 /-</u>
2023380193	2024278868	2023400745 2023436657	2023366056	2023400622	2023412020
<u>B21B 1 /-</u>	<u>B26D 1 /-</u>	<u>B32B 7 /-</u>	<u>B60W 20 /-</u>	<u>B64F 1 /-</u>	<u>B66B 5 /-</u>
2023382083	2022482905	2023374904 2023374905	2023368823	2023373668	2022483792
<u>B21B 23 /-</u>	<u>B26D 3 /-</u>	<u>B33Y 10 /-</u>	<u>B60W 40 /-</u>	<u>B64U 101 /-</u>	<u>B66C 13 /-</u>
2023382083	2023412802	2023374904 2023374905	2022484970	2023373662 2023373668 2023400622	2023405628
<u>B21D 22 /-</u>	<u>B26D 7 /-</u>	<u>B33Y 30 /-</u>	<u>B60W 50 /-</u>	<u>B65B 3 /-</u>	<u>B66F 7 /-</u>
2023410677	2023412802 2023421701	2023374904 2023374905	2023370838	2023389809	2023366957
<u>B21D 39 /-</u>	<u>B28B 1 /-</u>	<u>B33Y 50 /-</u>	<u>B62B 7 /-</u>	<u>B65D 33 /-</u>	<u>B67D 1 /-</u>
2023416840	2023436657	2023374904 2023374905	2023386460	2024215808	2023369489 2023384847
<u>B21D 51 /-</u>	<u>B28B 19 /-</u>	<u>B60C 13 /-</u>	<u>B62D 15 /-</u>	<u>B65D 6 /-</u>	<u>B81B 3 /-</u>
2023410677	2023436657	2023395090	2023423107	2023386201	2023394106
<u>B21J 13 /-</u>	<u>B28D 1 /-</u>	<u>B60D 1 /-</u>	<u>B62D 63 /-</u>	<u>B65D 65 /-</u>	<u>B81B 7 /-</u>
2023416840	2023364805	2023366056 2023389674	2023366056	2024215808	2023414425
<u>B21J 7 /-</u>	<u>B29B 9 /-</u>	<u>B60G 11 /-</u>	<u>B63B 1 /-</u>	<u>B65D 75 /-</u>	<u>B81C 1 /-</u>
2023416840	2023380193	2023366056	2023366458	2024215808	2023414425
<u>B22D 1 /-</u>	<u>B29C 48 /-</u>	2023366056	<u>B63B 11 /-</u>	<u>B65D 81 /-</u>	<u>B82Y 10 /-</u>
2024225936	2023380193	2023366056	2023385156	2023386201	2023394106

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2023436657	2023395016	<u>C07D 407 /-</u>	<u>C07H 21 /-</u>	<u>C08G 61 /-</u>	<u>C10L 5 /-</u>
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2023436657	2023382175			<u>C08K 5 /-</u>	<u>C11D 11 /-</u>
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	2023395194	<u>E01B 29 /-</u>	2023388164	2023401553	<u>F03B 13 /-</u>
	<u>C22B 7 /-</u>	2024215767	<u>E05C 1 /-</u>	<u>E21B 33 /-</u>	2023418217
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2023383093	2023362741	2023367773	2023398118	2023382069	2023381757
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2023386220	2023362741	2023413668	<u>G01V 1 /-</u>	2023383086	2023394263
<u>F16L 25 /-</u>	<u>F27B 3 /-</u>	<u>G01N 1 /-</u>	2023411096	2023407633	2023400622
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- (71) 4WEB, INC.
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 (21) 2024204047 (22) 14.06.2024
 (54) Implants having bone growth promoting agents contained within biodegradable materials
 (51) Int. Cl.
A61F 2/44 (2006.01)
A61F 2/28 (2006.01)
A61F 2/30 (2006.01)
A61L 27/18 (2006.01)
A61L 27/46 (2006.01)
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B22F 3/11 (2006.01)
B22F 10/28 (2021.01)
 (43) 11.07.2024
 (44) 05.06.2025
 (62) 2024204010
 (72) HUNT, Jesse
 (74) Griffith Hack
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- (71) Abbott Diabetes Care Inc.
 (11) AU-B-2023204567
 (21) 2023204567 (22) 10.07.2023
 (54) Analyte sensors and sensing methods for dual detection of glucose and ethanol
 (51) Int. Cl.
A61B 5/145 (2006.01)
A61B 5/1473 (2006.01)
A61B 5/1486 (2006.01)
 (43) 03.08.2023
 (44) 05.06.2025
 (62) 2020216330
 (72) Ouyang, Tianmei; Feldman, Benjamin J.; Cho, Hyun; Tran, Lam N.; Oja, Stephen; Sloan, Mark K.; Kumar, Ashwin; Kiaie, Namvar; Love, Michael R.
 (74) FPA Patent Attorneys Pty Ltd
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- (71) ABBOTT DIABETES CARE INC.
 (11) AU-B-2021395004
 (21) 2021395004 (22) 10.12.2021
 (54) ANALYTE SENSORS FOR SENSING KETONES AND METHODS OF USING THE SAME
 (51) Int. Cl.
A61B 5/145 (2006.01)
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A47L 11/28 (2006.01)

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B60T 15/18 (2006.01)
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C10G 1/02 (2006.01)
C08J 11/04 (2006.01)
C10B 49/22 (2006.01)
C10B 53/07 (2006.01)
C10G 1/00 (2006.01)
C10G 1/08 (2006.01)
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A61B 17/15 (2006.01)
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A61F 2/02 (2006.01)
A61F 2/30 (2006.01)
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A61F 2/00 (2006.01)
A61F 2/08 (2006.01)
A61F 2/46 (2006.01)
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A61K 38/16 (2006.01)
A61P 11/00 (2006.01)
A61P 31/12 (2006.01)
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C07K 14/315 (2006.01)
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C12R 1/46 (2006.01)
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C02F 3/10 (2023.01)
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B60W 30/09 (2012.01)
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C12N 1/15 (2006.01)
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E01C 11/24 (2006.01)
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G08G 1/00 (2006.01)
H02S 10/00 (2014.01)
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H04L 41/0895 (2022.01)
G06F 9/455 (2018.01)
H04L 41/0631 (2022.01)
H04L 41/0686 (2022.01)
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B29C 45/26 (2006.01)
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G06V 10/22 (2022.01)
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C12N 1/15 (2006.01)
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C25B 9/67 (2021.01)
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C07H 21/00 (2006.01)
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A23L 33/105 (2016.01)
A61K 31/7052 (2006.01)
A61K 35/74 (2015.01)
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F27D 25/00 (2010.01)
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 E05B 63/22 (2006.01)
 E05B 63/24 (2006.01)
 E05B 65/52 (2006.01)
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 G01F 1/34 (2006.01)
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F04F 13/00 (2009.01)
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F16K 1/42 (2006.01)
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F16K 17/02 (2006.01)
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C07D 403/12 (2006.01)
C07D 495/04 (2006.01)
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A61K 31/4166 (2006.01)
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A22B 5/00 (2006.01)
A22C 17/00 (2006.01)
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B67D 1/00 (2006.01)
B67D 1/04 (2006.01)
B67D 1/08 (2006.01)
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F04D 29/08 (2006.01)
F04B 53/04 (2006.01)
F04B 53/06 (2006.01)
F04B 53/16 (2006.01)
F04B 53/22 (2006.01)

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G02B 6/44 (2006.01)
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A61K 9/08 (2006.01)
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B03B 5/34 (2006.01)
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B03B 5/28 (2006.01)
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B03D 1/14 (2006.01)
B07B 7/01 (2006.01)
C10L 9/00 (2006.01)
C22B 1/00 (2006.01)
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B63B 27/30 (2006.01)
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A61J 3/07 (2006.01)
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C07K 16/28 (2006.01)
A61K 39/395 (2006.01)
A61P 35/00 (2006.01)
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C12Q 1/689 (2018.01)
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G01N 33/50 (2006.01)

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C12N 15/10 (2006.01)
G01N 33/537 (2006.01)
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 method for preventing crash of the
 same
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G06F 1/3287 (2019.01)
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B61L 27/00 (2006.01)
E01B 2/00 (2006.01)
E01B 3/28 (2006.01)
E01B 35/00 (2006.01)
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B62K 3/04 (2006.01)
B62K 19/02 (2006.01)
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C07K 16/00 (2006.01)
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C12Q 1/6806 (2018.01)
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A61K 31/553 (2006.01)
A61K 31/513 (2006.01)
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C07D 487/04 (2006.01)
C07C 235/04 (2006.01)
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E04B 1/38 (2006.01)
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E04B 5/12 (2006.01)
E04C 2/08 (2006.01)
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 LOGY CO., LTD.
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F03D 7/00 (2006.01)
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G06N 7/00 (2023.01)
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E02F 3/407 (2006.01)
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B65D 5/26 (2006.01)
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B65D 5/28 (2006.01)
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B65D 77/20 (2006.01)
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C12N 9/64 (2006.01)
A61K 38/48 (2006.01)
A61P 7/02 (2006.01)
C07K 16/40 (2006.01)
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G01N 33/573 (2006.01)
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A01P 1/00 (2006.01)
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C21B 13/12 (2006.01)
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 reduced metal
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C22B 5/12 (2006.01)
C21B 13/10 (2006.01)
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 reduced metal

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H04N 19/105 (2014.01)
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A61K 31/437 (2006.01)
A61K 31/5025 (2006.01)
A61P 35/00 (2006.01)
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E21B 41/00 (2006.01)

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E21B 21/08 (2006.01)
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E21B 23/01 (2006.01)
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C02F 1/00 (2023.01)
C02F 1/40 (2023.01)
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 Dotson, Adam
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 INC.
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 HAVING ONE OR MORE PRODUC-
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E21B 41/00 (2006.01)
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 LTD. see CSPC ZHONGQI PHARMACEUT-
 ICAL TECHNOLOGY (SHIJIAZHUANG) CO.,
 LTD.**
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A61K 38/28 (2006.01)
A61K 38/26 (2006.01)
A61K 47/60 (2017.01)
A61K 47/68 (2017.01)
A61P 3/10 (2006.01)

C07K 14/605 (2006.01)
C07K 14/62 (2006.01)
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C12N 15/10 (2006.01)
B81B 1/00 (2006.01)
C12Q 1/68 (2018.01)
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(72) SOLOMON, Matthew Daniel; DOU-
 MANI, Richard Walter
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HARDY, G. see BARBEAU, P.
(21) 2021394480

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(54) Compact mobile three-lead cardiac
 monitoring device
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A61B 5/25 (2021.01)
A61B 5/00 (2006.01)
A61B 5/332 (2021.01)
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(54) Adaptive flow measurement system
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G01G 19/32 (2006.01)
A23P 20/10 (2016.01)
G01G 11/12 (2006.01)
G01G 13/08 (2006.01)
G01G 19/38 (2006.01)
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 HOME CO., LTD.
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F25D 11/00 (2006.01)
F25D 23/00 (2006.01)
F25D 23/02 (2006.01)
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 METHOD FOR MEASURING THE
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 AL BATH WITH AN OPTICAL DEVICE
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G01K 1/10 (2006.01)
G01J 5/00 (2022.01)
G01K 1/12 (2006.01)
G01K 1/14 (2021.01)
G02B 6/00 (2006.01)
G02B 6/44 (2006.01)
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(54) SURGICAL CLEANING DEVICE WITH
 ADAPTER
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A61B 17/32 (2006.01)
A46B 5/00 (2006.01)
A46B 11/06 (2006.01)

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B08B 1/12 (2024.01)
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(54) LIQUEFACTION SYSTEM
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F25J 1/00 (2006.01)
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(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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 NGL Recovery
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F25J 1/02 (2006.01)
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E04B 1/70 (2006.01)
E04C 3/12 (2006.01)
E04C 3/14 (2006.01)
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C12N 15/55 (2006.01)
C12N 9/22 (2006.01)
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 DEVICE AND POWER SYSTEM
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G01R 31/392 (2019.01)
G01R 31/389 (2019.01)
H01M 10/42 (2006.01)
H01M 10/44 (2006.01)
H01M 10/48 (2006.01)
H02J 7/00 (2006.01)
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 SYSTEM
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A61F 5/443 (2006.01)
A61F 5/445 (2006.01)
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H04N 19/50 (2014.01)
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 METHOD FOR PERFORMING QUAL-
 ITY OPTIMIZED DEBLOCKING
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H04N 19/86 (2014.01)
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(54) METHOD AND APPARATUS FOR PREDICTION

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H04N 19/593 (2014.01)
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RUFITSKIY, Vasily Alexeevich; CHEN,
Jianle
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(54) Time delay estimation method and device

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G10L 19/008 (2013.01)

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H04W 24/02 (2009.01)

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H04W 24/02 (2009.01)

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A47H 5/00 (2006.01)
E04F 10/06 (2006.01)

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F41H 3/00 (2006.01)
G02B 1/11 (2015.01)
G02B 5/18 (2006.01)
G03B 21/602 (2014.01)
G03B 21/604 (2014.01)
H04N 13/363 (2018.01)

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E21B 7/10 (2006.01)

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David
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A61F 2/64 (2006.01)
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(54) Method for manufacturing a two-dimensional coloured bar code and associated security device

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B42D 25/41 (2014.01)
B42D 25/351 (2014.01)
B42D 25/435 (2014.01)

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G01V 8/10 (2006.01)
G06T 7/00 (2017.01)
G06T 7/20 (2017.01)
G08B 15/00 (2006.01)

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Thomas R.
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G01P 3/36 (2006.01)
G01V 8/10 (2006.01)
G08B 13/181 (2006.01)
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C08G 63/00 (2006.01)
C07C 51/43 (2006.01)
C08G 63/02 (2006.01)
C08J 11/04 (2006.01)
C08J 11/16 (2006.01)
C08L 67/00 (2006.01)
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E04B 1/19 (2006.01)
E04B 1/26 (2006.01)
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E04B 1/19 (2006.01)
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E04G 21/18 (2006.01)
B27F 7/15 (2006.01)
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C08F 220/56 (2006.01)
B01L 3/00 (2006.01)
C08F 220/20 (2006.01)
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C08F 230/06 (2006.01)
C12Q 1/6874 (2018.01)
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B01L 3/00 (2006.01)
C08F 212/10 (2006.01)
C08F 220/56 (2006.01)
C08G 77/04 (2006.01)
C08G 77/14 (2006.01)
C12N 15/10 (2006.01)

C12Q 1/6869 (2018.01)
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C09B 57/02 (2006.01)
C07H 19/10 (2006.01)
C07H 19/14 (2006.01)
C07H 21/00 (2006.01)
C12Q 1/6869 (2018.01)
G01N 33/533 (2006.01)
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C07K 16/30 (2006.01)
A61P 17/06 (2006.01)
A61P 35/00 (2006.01)
A61P 37/02 (2006.01)
G01N 33/58 (2006.01)
(87) WO2021/146590
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(54) Anti-CD154 antibody having improved binding, functional and safety characteristics and use in human immunotherapy
(51) Int. Cl.
A61K 38/16 (2006.01)
A61K 39/00 (2006.01)
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C12N 15/62 (2006.01)
A61K 47/68 (2017.01)
C07K 14/52 (2006.01)
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(74) PHILLIPS ORMONDE FITZPATRICK

(71) Initiator Pharma A/S
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A61K 9/00 (2006.01)
A61K 31/46 (2006.01)
A61P 15/00 (2006.01)
A61P 15/10 (2006.01)
A61P 25/22 (2006.01)
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C07D 451/06 (2006.01)
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C07K 16/24 (2006.01)
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C12N 9/90 (2006.01)
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F16L 15/04 (2006.01)
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C10B 45/00 (2006.01)
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B60G 17/016 (2006.01)
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E04B 2/88 (2006.01)
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A61K 39/00 (2006.01)
A61K 39/118 (2006.01)
C12N 1/20 (2006.01)
C12N 1/21 (2006.01)
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A61B 5/0215 (2006.01)
A61B 5/026 (2006.01)
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A23J 1/02 (2006.01)
A23J 3/04 (2006.01)
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C08B 37/00 (2006.01)
C08B 37/12 (2006.01)

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B28B 7/34 (2006.01)
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E04B 2/68 (2006.01)
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E04C 2/04 (2006.01)
E04C 2/06 (2006.01)
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H04N 19/117 (2014.01)
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F25D 11/02 (2006.01)
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F25C 1/24 (2018.01)
F25C 5/02 (2006.01)
F25D 21/00 (2006.01)
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F25C 1/18 (2006.01)
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A47L 15/42 (2006.01)
D06F 34/00 (2020.01)
F25B 49/00 (2006.01)
F25D 23/02 (2006.01)
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F25C 1/18 (2006.01)
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H04N 19/124 (2014.01)
H04N 19/18 (2014.01)
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C07K 1/00 (2006.01)

C07K 4/06 (2006.01)
C12N 9/00 (2006.01)
C12N 9/02 (2006.01)
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A01G 25/16 (2006.01)
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G06V 10/10 (2022.01)
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B25J 9/12 (2006.01)
B25J 9/16 (2006.01)
B25J 13/08 (2006.01)
B25J 15/00 (2006.01)
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B27B 5/18 (2006.01)
B27B 31/00 (2006.01)
G05B 19/18 (2006.01)
G05B 19/418 (2006.01)
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A01G 7/06 (2006.01)
A01G 24/12 (2018.01)
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H04N 23/60 (2023.01)
A61B 5/00 (2006.01)
A61B 5/107 (2006.01)
A61B 5/1171 (2016.01)
G06V 40/10 (2022.01)
H04N 17/00 (2006.01)
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E21B 47/10 (2012.01)
E21B 34/00 (2006.01)
E21B 47/06 (2012.01)
E21B 49/08 (2006.01)
G01L 7/18 (2006.01)
G01M 3/28 (2006.01)
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A61P 35/00 (2006.01)
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A61K 35/39 (2015.01)
A61K 35/74 (2015.01)
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E01B 29/46 (2006.01)
B23K 11/04 (2006.01)
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A61F 5/44 (2006.01)
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G08B 21/02 (2006.01)
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C12N 11/14 (2006.01)
B09C 1/10 (2006.01)
C12N 1/20 (2006.01)
C12R 1/40 (2006.01)
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H04W 16/28 (2009.01)
H04W 72/04 (2009.01)
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C07K 16/24 (2006.01)
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A61B 5/024 (2006.01)
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C08L 89/06 (2006.01)
C08H 1/02 (2006.01)
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C08J 3/24 (2006.01)
C12N 5/071 (2010.01)
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A01P 11/00 (2006.01)
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A61P 27/02 (2006.01)
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B24D 15/08 (2006.01)
A45D 27/46 (2006.01)
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B65D 17/50 (2006.01)
B65D 47/28 (2006.01)
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A61P 1/14 (2006.01)
C12N 1/20 (2006.01)
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G01N 3/34 (2006.01)
B06B 1/16 (2006.01)
E04H 12/00 (2006.01)
G01M 7/02 (2006.01)
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A01M 7/00 (2006.01)
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D04H 1/64 (2012.01)
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H04L 1/16 (2023.01)
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H04W 88/08 (2009.01)
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B60T 11/10 (2006.01)
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G05B 23/02 (2006.01)
C02F 3/12 (2023.01)
G01H 3/06 (2006.01)
G01N 29/036 (2006.01)
G06Q 50/00 (2012.01)
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G03F 1/30 (2012.01)
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A61K 47/10 (2017.01)
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A61K 9/06 (2006.01)
A61K 31/575 (2006.01)
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F01D 5/14 (2006.01)
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C10G 1/06 (2006.01)
B01J 8/02 (2006.01)
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E21B 41/00 (2006.01)
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B08B 3/02 (2006.01)
B08B 3/04 (2006.01)
C11D 1/66 (2006.01)
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C11D 7/24 (2006.01)
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C09D 163/00 (2006.01)
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C04B 26/32 (2006.01)
C04B 41/48 (2006.01)
C04B 41/63 (2006.01)
C04B 41/64 (2006.01)
C08F 283/06 (2006.01)
C08G 18/12 (2006.01)
C08G 18/48 (2006.01)
C08G 18/76 (2006.01)
C08G 65/332 (2006.01)
C09D 175/08 (2006.01)
C09J 171/02 (2006.01)
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C04B 111/00 (2006.01)
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C12N 15/11 (2006.01)
A61K 35/12 (2015.01)
A61K 35/545 (2015.01)
A61K 38/17 (2006.01)
A61K 39/395 (2006.01)
A61K 48/00 (2006.01)
A61L 27/38 (2006.01)
A61P 37/06 (2006.01)
C07K 14/47 (2006.01)
C12N 15/12 (2006.01)
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B29C 53/58 (2006.01)
B21D 51/24 (2006.01)
B29C 53/80 (2006.01)
F17C 1/06 (2006.01)
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B65G 39/09 (2006.01)
F16C 33/80 (2006.01)
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GmbH
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F16N 29/00 (2006.01)
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B03D 1/004 (2006.01)
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A61K 47/42 (2017.01)
A61L 27/22 (2006.01)
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B29B 7/94 (2006.01)
B29C 48/08 (2019.01)
C08J 5/18 (2006.01)
C08L 3/02 (2006.01)
C08L 29/04 (2006.01)
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C07D 401/12 (2006.01)
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C12Q 1/68 (2018.01)
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A01N 43/50 (2006.01)
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C07K 14/54 (2006.01)
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A61K 31/138 (2006.01)
A61K 31/519 (2006.01)
A61K 31/565 (2006.01)
A61K 45/00 (2006.01)
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C01B 3/02 (2006.01)
B01J 8/04 (2006.01)
B01J 8/06 (2006.01)
C01B 3/04 (2006.01)
C01B 3/16 (2006.01)
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C07C 29/151 (2006.01)
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C22B 5/10 (2006.01)
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C10B 57/04 (2006.01)
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C07K 19/00 (2006.01)
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C22B 26/12 (2006.01)

C22B 3/04 (2006.01)

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B61C 3/00 (2006.01)

B61C 5/00 (2006.01)

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 preparation method thereof, and solar cell
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H10F 71/00 (2025.01)
C23C 16/24 (2006.01)
C23C 16/511 (2006.01)
H10F 10/174 (2025.01)
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 LIU, Wei
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C12M 1/42 (2006.01)
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A61K 36/06 (2006.01)
A61K 36/07 (2006.01)
A61P 1/00 (2006.01)
A61P 3/00 (2006.01)
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A41C 1/00 (2006.01)
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A61K 31/4725 (2006.01)
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C07D 401/06 (2006.01)
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A61B 5/0215 (2006.01)
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C01B 3/34 (2006.01)
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F04D 29/62 (2006.01)
F16J 15/34 (2006.01)
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C07D 237/20 (2006.01)
A61K 31/501 (2006.01)
A61K 31/502 (2006.01)
A61K 31/5025 (2006.01)
A61P 3/00 (2006.01)
A61P 9/00 (2006.01)
A61P 11/00 (2006.01)
A61P 17/00 (2006.01)
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A61P 37/00 (2006.01)
C07D 237/26 (2006.01)
C07D 237/34 (2006.01)
C07D 405/12 (2006.01)
C07D 405/14 (2006.01)
C07D 471/04 (2006.01)
C07D 491/04 (2006.01)

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 tem
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E02F 3/90 (2006.01)
B60P 3/22 (2006.01)
B65D 45/28 (2006.01)
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 system
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H04B 17/12 (2015.01)
H04B 17/14 (2015.01)
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 Kurt A.
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A61M 31/00 (2006.01)
A61H 21/00 (2006.01)
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 for renal disorders
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C07F 9/09 (2006.01)
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A01H 5/10 (2018.01)
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A61B 34/10 (2016.01)
A61B 90/00 (2016.01)
G09B 9/00 (2006.01)
G09B 23/30 (2006.01)
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 CHILDREN'S HOSPITAL OF PHIL-
 ADELPHIA (CHOP)
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 WITH DIRECT POLYMER DESTABIL-
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 CELL DISEASE
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C07C 13/16 (2006.01)
A61P 7/00 (2006.01)
C07D 213/61 (2006.01)
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 ABDULMALIK, Osheiza
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G01B 11/02 (2006.01)
A61B 1/05 (2006.01)
B29C 64/10 (2017.01)
B64D 47/08 (2006.01)
G01B 11/25 (2006.01)
G02B 6/04 (2006.01)
G06T 15/60 (2006.01)
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F16L 55/17 (2006.01)
F16L 1/26 (2006.01)
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F04D 29/62 (2006.01)
B01F 23/20 (2022.01)
B01F 23/23 (2022.01)
C02F 1/24 (2023.01)
C02F 3/00 (2023.01)
C02F 3/02 (2023.01)
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C12H 1/22 (2006.01)
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E06C 1/383 (2006.01)
E06C 1/12 (2006.01)
E06C 1/30 (2006.01)
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B64C 3/26 (2006.01)
B64C 11/18 (2006.01)
B64C 27/28 (2006.01)
B64D 35/06 (2006.01)
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B64C 3/26 (2006.01)
B64C 11/18 (2006.01)
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A23G 4/14 (2006.01)
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 KNUTSEN, Holly
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 INC.
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 TECTOR TOOL HAVING MULTIPLE
 TYPES OF HYDRAULIC BEARINGS
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 LTD.
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 (54) STEERING MECHANISM AND INDE-
 PENDENT SUSPENSION SYSTEM
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B62D 5/06 (2006.01)
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 CAO, Guangguang; MA, Yunwang; LI,
 Dongdong; ZHAO, Liufu; ZHANG, Han-
 wei
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**XUZHOU XUGONG AUTOMOBILE MANU-
 FACTURING CO. LTD see JIANGSU XCMG
 STATE KEY LABORATORY TECHNOLOGY
 CO., LTD.**
 (21) 2022402874

(71) Yield10 Bioscience, Inc.
 (11) AU-B-2021324821
 (21) 2021324821 (22) 12.08.2021
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 it an increase in seed yield comprising
 a first biotin attachment domain-con-
 taining (BADC) gene homozygous for
 wild-type allele, a second BADC gene
 homozygous for mutant allele, and
 homologs of the first and second BADC
 genes
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C12N 15/82 (2006.01)
C07K 14/415 (2006.01)
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 Yuanyuan; BOLLINA, Venkatesh;
 CHEN, Lifeng; MYKYTYSHYN, Marie;
 SNELL, Kristi D.
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 of the Hebrew University of Jerusalem Ltd.
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 strength of a fish bone during farming
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 ING WALL, CONSTRUCTION METH-
 OD FOR WOODEN STRUCTURE
 LOAD-BEARING WALL, METHOD
 FOR INCREASING WALL MAGNI-
 FICATION OF WOODEN STRUC-
 TURE LOAD-BEARING WALL, AND
 GYPSUM-BASED LOAD-BEARING
 SURFACE MATERIAL

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E04B 2/56 (2006.01)
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E04C 2/04 (2006.01)
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 HASEGAWA, Tomoya; YAMASHITA,
 Takuji; AKAI, Kozo; SATO, Yousuke
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 OCHODNICKÝ, Pavol
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 LTD.
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 LI, Changjiang; CHENG, Fuying;

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(74) Madderns Pty Ltd

Zhejiang Jinko Solar Co., Ltd. see Jinko Solar (Haining) Co., Ltd.
(21) 2023216746

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(54) SOLAR CELL AND METHOD FOR PREPARING THE SAME, TANDEM SOLAR CELL, AND PHOTOVOLTAIC MODULE
(51) Int. Cl.
H10F 77/70 (2025.01)
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H10F 19/00 (2025.01)
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F16B 7/04 (2006.01)
A47C 4/02 (2006.01)
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H04W 72/044 (2023.01)
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(21) 2022445042 (22) 07.03.2022
(54) TRANSMISSIONS ACROSS MULTIPLE TIME-DOMAIN RESOURCES IN WIRELESS COMMUNICATION NETWORKS
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H04W 72/04 (2023.01)
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2018203176	Automation Innovation Pty Ltd	2019316616	Saint-Gobain Isover
2018214006	Ascend Safe Limited	2019318031	Chugai Seiyaku Kabushiki Kaisha
2018246143	The Trustees of the University of Pennsylvania	2019319203	Gen-Probe Incorporated
2018247212	PENTEN PTY LTD	2019320336	Daiichi Sankyo Company, Limited
2018256922	Kansas State University Research Foundation	2019321583	Eidos Therapeutics, Inc.
2018269370	The Johns Hopkins University	2019322780	AgResearch Limited
2018272311	Novimmune SA	2019322897	SWISHER, D.E.; JORDAN, G.
2018276140	Compugen Ltd.	2019323764	Tonix Pharma Holdings Limited
2018278275	Merck Patent GmbH; Ablynx N.V.	2019325190	SKF Lubrication Systems Germany GmbH
2018307292	Daiichi Sankyo Company, Limited	2019326527	Evoqua Water Technologies LLC
2018321902	Five Prime Therapeutics Inc.	2019327368	Caterpillar Inc.
2018335828	MAB Discovery GmbH	2019327475	Morphic Therapeutic, Inc.
2018338418	The University of British Columbia; CDRD Ventures Inc.	2019330022	Arctic Therapeutics, LLC
2018351053	Washington University	2019331041	Crowd Charge Limited
2018352308	UCL Business LTD; Eisai R&D Management Co., Ltd.	2019332931	Inuuity, Inc.
2018358250	Editas Medicine, Inc.; Juno Therapeutics, Inc.	2019332975	Smith & Nephew, Inc.; Smith & Nephew Asia Pacific Pte. Limited; Smith & Nephew Orthopaedics AG
2018372631	Mesoblast International Sarl	2019333119	Baylor College of Medicine
2018390817	Zoetis Services LLC	2019333722	Hiroshima University
2018409906	Eucure (Beijing) Biopharma Co. , Ltd	2019334676	Centre Léon-Bérard; Université Claude Bernard Lyon 1; Centre National De La Recherche Scientifique; Institut National de la Sante et de la Recherche Medicale (INSERM)
2018440144	ThisCap, Inc.		Caterpillar Inc.
2018443516	Suppression Technologies, Inc.		The Board of Trustees of the University of Illinois
2019200894	THE UNIVERSITY OF MELBOURNE; HERIOT EYE-CARE PTY. LTD.		APL Norway AS
2019203393	Illinois Tool Works Inc.	2019334865	CONTINEUM THERAPEUTICS, INC.
2019203622	Illinois Tool Works Inc.	2019335409	Becton, Dickinson and Company
2019203741	Illinois Tool Works Inc.	2019336054	Drillform Technical Services Ltd.
2019204191	Clesse Industries	2019336671	RABHI, V.
2019204361	Deere & Company	2019337507	Archer Daniels Midland Company
2019208011	Bristol-Myers Squibb Company; Roche Innovation Center Copenhagen A/S	2019337774	Fermentalg
2019208099	Laboratory Corporation of America Holdings	2019338970	Acergy France SAS
2019209436	Liquid Biopsy Research LLC	2019339493	HyperStealth Biotechnology Corporation
2019210150	Nucleix Ltd.	2019340853	InterDigital VC Holdings, Inc.
2019210190	The University of North Carolina at Chapel Hill	2019341667	Vifor (International) AG
2019215050	The Regents of the University of Michigan	2019342087	REVO GROUP PTY LTD
2019219004	F. Hoffmann-La Roche AG; Genentech, Inc.	2019342129	Reckitt Benckiser LLC
2019226299	Transportation IP Holdings, LLC	2019342857	B1 Institute of Image Technology, Inc.
2019236091	Phanes Therapeutics, Inc.	2019346041	Milena-Olga Joint Innovation Assets B.V.
2019236246	Genzyme Corporation	2019349861	Just BioFiber Structural Solutions Corp.
2019236288	Cedars-Sinai Medical Center	2019350336	Sika Technology AG
2019236618	Lai, C.	2019352491	Carmada AB
2019242425	Toray Industries, Inc.	2019353539	Abiomed, Inc.
2019247637	Silence Therapeutics GmbH	2019353692	ViaSat, Inc.
2019250122	DEKS Industries Pty Ltd	2019354085	First Light Diagnostics, Inc.
2019261570	The United States of America, as represented by The Secretary, Department of Health and Human Services	2019355192	RAI Strategic Holdings, Inc.
2019267349	Phanes Therapeutics, Inc.	2019355968	National University of Ireland, Galway
2019271436	Atlantic Cancer Research Institute (ACRI)	2019356023	JK-Holding GmbH
2019280831	Fasteners for Retail, Inc.	2019356253	Ynsect
2019281008	Temple University - of The Commonwealth System of Higher Education	2019356975	Allen Institute; Seattle Children's Hospital (D/B/A Seattle Children's Research Institute)
2019282093	Ruggli AG	2019357459	Systems Spray-Cooled, Inc.
2019283410	Kardion GmbH	2019358539	RAI Strategic Holdings, Inc.
2019283594	Zepelin, s.r.o.	2019358806	Hortau Inc.
2019292668	Light Bio, Inc.		Abiomed, Inc.
2019293245	Stryker Corporation	2019358883	Dana-Farber Cancer Institute, Inc.; Voronoi Inc.
2019295064	Arla Foods Amba	2019359556	APL Norway AS
2019295420	Breville Pty Limited	2019360360	BlueAllele Corporation
2019299549	Raydiant Oximetry, Inc.	2019362062	Millet Innovation
2019300419	GazTransport et Technigaz	2019362849	TARIS Biomedical LLC
2019301229	HiFiBiO SAS	2019364146	Synthorx, Inc.
2019307937	Viomerse, Inc.	2019370297	FLOWERVE PTE. LTD.
2019309366	MedImmune, LLC; Humabs BioMed SA	2019374471	Fisher & Paykel Healthcare Limited
2019310214	Nutri Co., Ltd.	2019375998	Sika Technology AG
2019313476	Sandoz AG	2019376076	Presien Pty Ltd
2019314085	LG Electronics Inc.	2019376673	Solad - Solar Electronics LTD.
2019314572	Futura Resources Limited	2019377352	
		2019382199	
		2019382307	
		2019383074	

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2019383371	Octet Medical, Inc.	2020212092	Dometic Sweden AB; Dometic (Zhuhai) Technology Co., Ltd.
2019384075	Marsupial Holdings, Inc.	2020212367	Jensen Denmark A/S
2019387113	President and Fellows of Harvard College	2020212622	Breville Pty Limited
2019388777	Focal Medical, Inc.	2020212622	IFP Energies nouvelles
2019389600	Twydell-Satterly, B.	2020213861	Technische Universität München; Technische Universität München - Klinikum Rechts der Isar
2019391606	Petróleo Brasileiro S.A. - Petrobras	2020215086	The Glad Products Company
2019392275	International N&H Denmark ApS	2020216355	Sumitomo Heavy Industries, Ltd.
2019392468	BD Kiestra B.V.	2020217056	Syngenta Crop Protection AG
2019395005	Constellation Pharmaceuticals, Inc.	2020217580	La Marzocco S.r.l.
2019395619	Sengenics Sdn Bhd; National University of Singapore	2020217615	Ardelyx, Inc.
2019396535	Oerlikon Metco (US) Inc.	2020218255	Real Research Sp. z o.o.
2019396574	T.J.Smith and Nephew, Limited	2020218941	Inspire Medical Systems, Inc.
2019398427	Metalogenia Research & Technologies, S.L.	2020219831	The Heil Co.
2019403207	Celgene Corporation	2020219848	Syngenta Crop Protection AG
2019405389	Hanmi Pharm. Co., Ltd.	2020220343	Dow Global Technologies LLC; Rohm and Haas Company; The Regents of the University of California
2019405685	Mölnlycke Health Care AB	2020222874	Span. IO, Inc.
2019406290	RE-LID Engineering AG	2020223027	King's College London
2019406832	VDYNE, Inc.	2020224373	Smith & Nephew, Inc.; Smith & Nephew Orthopaedics AG; Smith & Nephew Asia Pacific Pte Limited
2019408425	Technip N-Power	2020225647	Huawei Technologies Co., Ltd.
2019409983	Fivecast Pty Ltd	2020226574	Commissariat A L'Energie Atomique Et Aux Energies Alternatives; Colas
2019410555	Battelle UK Limited	2020229509	Beijing Innocare Pharma Tech Co., Ltd.
2019413366	GigaGen, Inc.	2020229919	Illumina Cambridge Limited
2019415009	Societe Des Produits Nestle SA	2020230955	KPR U.S., LLC
2019416186	Plows, F.	2020231244	Metso Finland Oy
2019417996	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2020231476	Fare S.r.l.
2019418406	Kimberly-Clark Worldwide, Inc.	2020235540	EPM (IP), Inc.; Yissum Research Development Company of the Hebrew University of Jerusalem Ltd.
2019422318	Illumina, Inc.; Illumina Cambridge Limited	2020235617	Halliburton Energy Services, Inc.
2019423931	Enzene Biosciences Limited	2020237935	Qualcomm Incorporated
2019424624	Organes Tissus Regeneration Reparation Remplacement; Barritault, D.	2020239051	Hilti Aktiengesellschaft
2019426547	Koenig & Bauer Banknote Solutions SA	2020239196	Pilkington Technology Management Limited
2019428370	Johnson Controls Fire Protection LP	2020239391	Caterpillar Inc.
2019428718	Lindsay Transportation Solutions, LLC	2020239939	Reisbeck, T.
2019432920	Kimberly-Clark Worldwide, Inc.	2020242168	Electrolux Appliances Aktiebolag
2019433213	Joby Aero, Inc.	2020242654	Oslo Universitetssykehus HF
2019437405	Välinge Innovation AB	2020243073	Getzner Werkstoffe Holding GmbH
2019438571	Komatsu Reman Center Chile S.A.	2020245896	National Institutes for Quantum Science and Technology
2019439428	Halliburton Energy Services, Inc.	2020250331	E80 Group S.p.A.
2019439432	Halliburton Energy Services, Inc.	2020250976	GreenIron H2 AB
2019440110	Sandvik SRP AB	2020251282	MARII, D.
2019441328	Vlad, M.G.	2020251982	Kabushiki Kaisha Yakult Honsha
2019441848	Biocorp Production S.A.	2020252433	Fuso Pharmaceutical Industries, Ltd.
2019451652	Instytut Biologii Doswiadczalnej im. Marcelego Nenckiego Polska Akademia Nauk; Uniwersytet Warszawski	2020252863	GreenIron H2 AB
2019454618	ZTE Corporation	2020253206	La-Z-Boy Incorporated
2019471604	Halliburton Energy Services, Inc.	2020253371	BioBTX B.V.
2019479308	Halliburton Energy Services, Inc.	2020253875	National Institutes for Quantum Science and Technology
2020200115	Shumka, T.; Shumka, J.	2020254379	GreenIron H2 AB
2020201035	Deere & Company	2020255992	Kolon TissueGene, Inc.
2020201137	The Boeing Company	2020256136	Calgon Carbon Corporation
2020201395	Pentair Water Pool and Spa, Inc.	2020256256	eMoMo Technology Co., Ltd.
2020201522	Northern Tool & Equipment Company, Inc.	2020256338	De' Longhi Appliances S.r.l. Con Unico Socio
2020201586	Franke Technology and Trademark Ltd	2020258099	ECA Robotics
2020201797	Caterpillar Global Mining HMS GmbH; Caterpillar Global Mining Equipment LLC	2020259058	Construction Research & Technology GmbH
2020202109	Caterpillar, Inc.	2020259147	BAE Systems plc
2020202111	Caterpillar, Inc.	2020259216	Sumitomo Pharma Co., Ltd.; Riken
2020202341	Caterpillar, Inc.	2020260894	Nissan Chemical Corporation
2020203993	Deere & Company	2020261666	Battelle Memorial Institute
2020204395	Deere & Company	2020262934	Coloplast A/S
2020204647	DE' LONGHI APPLIANCES S.R.L.	2020263651	J. Mac Safety Systems Limited
2020204710	Iota Biosciences, Inc.	2020264029	Eyepoint Pharmaceuticals, Inc.
2020205162	Vibrant Ltd.	2020264969	Caterpillar Inc.
2020205348	The Boeing Company	2020268720	CareFusion 303, Inc.
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2020208306	BioPoly, LLC	2020269633	Marel Meat B.V.
2020209674	BioPoly, LLC	2020269878	Chevron Phillips Chemical Company LP
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2020211642	Haplomic Technologies Pty Ltd		

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2020272614	Automobili Lamborghini S.p.A.	2021242242	Fidelity Ag, Inc.
2020273003	LettUs Grow Ltd	2021246519	Turtle Bear Holdings, LLC
2020273956	SKF Australia Pty Ltd	2021248774	BLIS Technologies Limited
2020274018	Spraying Systems Co.	2021255043	Medivir AB
2020274424	Oxford Photovoltaics Limited	2021257831	Becton, Dickinson and Company
2020275409	Heartbeam, Inc.	2021271860	Inovio Pharmaceuticals, Inc.
2020278797	F. HOFFMANN-LA ROCHE AG	2021272212	Innovent Biologics (Suzhou) Co., Ltd.
2020278871	Assa Abloy New Zealand Limited	2021272366	Panotopoulos, C.
2020279440	Sony Interactive Entertainment Inc.	2021278112	Cisco Technology, Inc.
2020279992	Hy-Tech Drilling Ltd.	2021278296	Papeterie Zuber Rieder; Centre National de la Recherche Scientifique; Universite de Bordeaux; Institut Polytechnique de Bordeaux
2020281169	Jura Elektroapparate AG	2021281599	BAE Systems plc
2020281532	Tata Steel Nederland Technology B.V.	2021287875	Frank's International, LLC
2020281701	FrieslandCampina Nederland B.V.	2021297223	Eli Lilly and Company
2020281945	Cytognos, S.L.	2021324821	Yield10 Bioscience, Inc.
2020282750	Becton, Dickinson and Company	2021330660	Syngenta Crop Protection AG
2020283595	Heat & Control, Inc.	2021350981	INSTITUTE OF ZOOLOGY, CHINESE ACADEMY OF SCIENCES; BEIJING INSTITUTE FOR STEM CELL AND REGENERATIVE MEDICINE
2020285671	Kverneland Group Ravenna S.r.l.	2021354328	MODIBODI AUSTRALIA PTY LTD
2020286440	SANDVIK MINING AND CONSTRUCTION OY	2021355550	GOOD WATER HOLDINGS PTY LTD
2020287180	Deere & Company	2021376197	GRAPHIC PACKAGING INTERNATIONAL, LLC
2020287257	Creanova Universal Closures Ltd.	2021379479	OZ INDUSTRY CO.,LTD
2020289058	BAE Systems PLC	2021379585	LINDSAY CORPORATION
2020290396	Bendix Commercial Vehicle Systems LLC	2021382506	GREEN CROSS CORPORATION
2020291014	Bolt Biotherapeutics, Inc.	2021382793	CISCO TECHNOLOGY, INC.
2020292176	Qualcomm Incorporated	2021386924	INSPIRE S.R.L.
2020299953	UCB Biopharma SRL	2021387991	MEYER INTELLECTUAL PROPERTIES LIMITED; CHENG, S.K.S.
2020299973	Dolby International AB	2021394480	BARBEAU, P.; GIRARD, L.; BERGERON, D.; HARDY, G.
2020301234	Qualcomm Incorporated	2021395004	ABBOTT DIABETES CARE INC.
2020302972	C.M.E. Blasting & Mining Equipment Ltd	2021399015	OCADO INNOVATION LIMITED
2020303900	CareFusion 303, Inc.	2021399512	TOYO SEIKAN CO., LTD.
2020304994	Loadhog Limited	2021402267	KAAKKOIS-SUOMEN AMMATTIKORKEAKOULU OY
2020310849	Owens-Brockway Glass Container Inc.	2021403948	SUMITOMO METAL MINING CO., LTD.
2020313389	IDEMIA Identity & Security France	2021410089	IMMUNOWAKE INC.
2020317754	L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procèdes Georges Claude	2021420770	ECOLEAN AB
2020319084	Inspire Medical Systems, Inc.	2021421119	CATERPILLAR INC.
2020319853	A O Ideas GmbH	2021422014	QYUNS THERAPEUTICS CO., LTD.
2020320132	Stick Tech Oy	2021422555	CATERPILLAR INC.
2020322628	Plasser & Theurer Export Von Bahnbaumaschinen Gesellschaft m.b.H.	2021427965	mitsubishi heavy industries thermal systems, LTD.
2020323417	Integral Geometry Science Inc.	2021430302	WING AVIATION LLC
2020323880	Illumina, Inc.	2021431745	WM WRIGLEY JR. COMPANY
2020326244	Initiator Pharma A/S	2021435427	NOKIA TECHNOLOGIES OY
2020329732	GOOGLE LLC	2021438040	XUZHOU HEAVY MACHINERY CO., LTD.
2020335930	Maskbegone LLC	2021441781	QINGDAO UNIVERSITY OF TECHNOLOGY
2020337092	First Watch Limited	2021442090	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
2020340469	King Living Singapore Pte Ltd	2021447399	BIOLOGY INSTITUTE OF SHANDONG ACADEMY OF SCIENCES
2020344868	Robert Bosch GmbH	2021447852	BEIJING ROBOROCK TECHNOLOGY CO., LTD.
2020347482	Welldata (Subsurface Surveillance Systems) Ltd.	2021454501	MAX (RUDONG) CHEMICALS CO., LTD.
2020348461	Research Development Foundation	2021457761	FPI FOOD PROCESSING INNOVATION GMBH & CO. KG
2020349066	Manitou BF	2021463503	NIPPON STEEL CORPORATION
2020349632	Wirepas Oy	2021465850	BEIJING TENSAM HIGH-TECH WIND POWER TECHNOLOGY CO., LTD.
2020350125	CNH Industrial France S.A.S.	2021467326	FUJITSU LIMITED
2020351593	Liesch, D.	2021471061	BAO, C.
2020351883	Elbit Systems EW and SIGINT- Elisra Ltd	2021471443	ANHUI SENTAI WPC GROUP SHARE CO., LTD.
2020354411	Trince BV	2021472648	CNGR ADVANCED MATERIAL CO., LTD.; CHANGSHA ZHUORUI METALLURGY ENVIRONMENT TECHNOLOGY DEVELOPMENT CO., LTD.
2020356915	Trelleborg Wheel Systems Italia S.p.A.	2021474032	CHINA ELECTRIC POWER RESEARCH INSTITUTE
2020357049	Voyager Biomedical, Inc.	2022200673	The Trustees of the University of Pennsylvania
2020359438	Mettler-Toledo, LLC	2022202506	The BOT of the Leland Stanford Junior University
2020370502	Bard Access Systems, Inc.	2022202578	Regeneron Pharmaceuticals, Inc.
2020387372	Caterpillar Trimble Control Technologies LLC	2022203605	Genentech, Inc.
2020397855	National University of Singapore	2022203621	FAR EAST BIO-TEC CO., LTD.
2020414684	CNH Industrial America LLC	2022207086	PALINTEST LIMITED
2020430232	Andritz Hydro GmbH		
2020460256	MGI Tech Co., Ltd.		
2020464643	ICARUS MEDICAL, LLC		
2021203940	Vermeer Manufacturing Company		
2021204072	BVN Architecture Pty Ltd		
2021204574	PharmaBiome AG		
2021208601	Novo Nordisk A/S		
2021208642	Immunologic Therapeutics, Inc.		
2021231509	Topsøe A/S		
2021232369	Shanghai Henlius Biotech, Inc.		

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2022209657	LG CHEM, LTD.	2022321849	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
2022211822	Illumina, Inc.	2022323662	CARTIHEAL (2009) LTD.
2022214765	GRACE ABUNDANTLY, LLC; BALDERAS, M.J.	2022325175	MOHIDEEN, F.A.
2022215929	CELLAED LIFE SAVER PTY LTD	2022328940	HUAWEI TECHNOLOGIES CO., LTD.
2022218516	Astellas Institute for Regenerative Medicine	2022332552	HERAEUS ELECTRO-NITE INTERNATIONAL N.V.
2022218528	Nuseed Global Innovation Ltd	2022334585	VANDERBILT UNIVERSITY
2022221587	UNIVERSAL FIELD ROBOTS PTY LTD	2022335424	UIM Pressure Implant Inc.; W. L. GORE & ASSO- CIATES, INC.
2022224439	FERTON HOLDING S.A.	2022342001	BOSTON SCIENTIFIC SCIMED, INC.
2022224687	THE PROCTER & GAMBLE COMPANY	2022344865	TECNORED DESENVOLVIMENTO TECNOLÓGICO S.A.
2022230459	BAKER HUGHES OILFIELD OPERATIONS LLC	2022346513	SHAPERON INC.
2022231060	Capbran Holdings, LLC	2022349343	FLOWSERVE PTE. LTD.
2022231982	FREEZIO AG	2022349606	WWT NORTH AMERICA HOLDINGS, INC.
2022232414	INVENTAGE LAB INC.	2022352270	NIPPON STEEL CORPORATION
2022234495	CSPC ZHONGQI PHARMACEUTICAL TECHNOLOGY (SHIJIAZHUANG) CO., LTD.; HANGZHOU INNOGATE PHARMA CO., LTD.; CSPC OUYI PHARMACEUTICAL CO., LTD.	2022354355	JFE STEEL CORPORATION
2022237195	QINGDAO HAIER DRUM WASHING MACHINE CO., LTD.; HAIER SMART HOME CO., LTD.	2022356489	BLIS TECHNOLOGIES LIMITED
2022242632	ASTRAZENECA AB	2022356758	GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.
2022243303	BEIJING ZITIAO NETWORK TECHNOLOGY CO., LTD.	2022356833	NIPPON STEEL CORPORATION
2022245073	INVENTIO AG	2022357600	NEC CORPORATION
2022245619	ASAHI KASEI KABUSHIKI KAISHA	2022359109	JFE STEEL CORPORATION
2022246417	Nunhems B.V.	2022360851	ANCESTRY.COM OPERATIONS INC.
2022252487	UOP LLC	2022361827	YOSHINO GYPSUM CO., LTD.
2022252753	ABL Bio Inc.	2022362476	SEMITRI PTY LTD
2022252873	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	2022365960	HUAWEI TECHNOLOGIES CO., LTD.
2022256052	VENTUS THERAPEUTICS U.S., INC.	2022367116	QINGDAO HAIER REFRIGERATOR CO., LTD; HAIER SMART HOME CO., LTD.
2022256476	GILEAD SCIENCES, INC.	2022369394	FRAUSCHER SENSORTECHNIK GMBH
2022258263	HUAWEI TECHNOLOGIES CO., LTD.	2022370122	QINGDAO HAIER REFRIGERATOR CO., LTD.; HAIER SMART HOME CO., LTD.
2022263520	Immunext, Inc.	2022374384	FRIDECO AG
2022263598	The Regents Of The University Of Colorado, A Body Corporate	2022376128	SUNGROW POWER SUPPLY CO., LTD.
2022263786	HITACHI HIGH-TECH CORPORATION	2022376171	MANUFACTURING RESOURCES INTERNATIONAL, INC.
2022266501	SAMYANG HOLDINGS CORPORATION	2022379958	SWAY INNOVATION CO.
2022272181	FOGHORN THERAPEUTICS INC.	2022381190	INTERDIGITAL PATENT HOLDINGS, INC.
2022272291	BOSTON SCIENTIFIC SCIMED, INC.	2022383315	HAIHE BIOPHARMA CO., LTD.
2022274229	BAKER HUGHES OILFIELD OPERATIONS LLC	2022384633	SHELL INTERNATIONALE RESEARCH MAATSCHAP- PIJ B.V.
2022274469	DAEWOOONG PHARMACEUTICAL CO., LTD.	2022389947	SAMSUNG ELECTRONICS CO., LTD.
2022274905	INJECTION SAFETY INDUSTRIES, LLC	2022391068	MONCLER S.P.A.
2022275493	Potrero Medical, Inc.	2022394648	BEIJING HONGHUI MEDITECH CO., LTD.
2022275507	Genzyme Corporation	2022396169	COLGATE-PALMOLIVE COMPANY
2022275786	Regeneron Pharmaceuticals, Inc.; Bayer Healthcare LLC	2022397097	SUNGROW POWER SUPPLY CO., LTD.
2022279450	GLASS VICE HOLDINGS LIMITED	2022398833	LG ELECTRONICS INC.
2022280709	LIVEPERSON, INC.	2022402874	JIANGSU XCMG STATE KEY LABORATORY TECH- NOLOGY CO., LTD.; XUZHOU XUGONG AUTO- MOBILE MANUFACTURING CO. LTD
2022280842	BEIJING TRICISIONBIO THERAPEUTICS INC.	2022403278	JFE STEEL CORPORATION
2022281727	KINGCLEAN ELECTRIC CO., LTD.; KINGCLEAN ELECTRIC GREEN TECHNOLOGY (SUZHOU) CO., LTD.	2022406037	PETNOW INC.
2022282846	ARCELORMITTAL	2022409578	DANFOSS A/S
2022292916	TECHNIP ENERGIES FRANCE	2022410329	THERMO FISHER SCIENTIFIC (BREMEN) GMBH
2022297630	ALFA LAVAL CORPORATE AB	2022412063	ISLAND TECHNOLOGY, INC.
2022298662	ELI LILLY AND COMPANY	2022412443	SANKI ENGINEERING CO.,LTD.
2022299600	DYSON TECHNOLOGY LIMITED	2022415352	SYNGENTA CROP PROTECTION AG
2022301265	QINGDAO HAIER REFRIGERATOR CO., LTD.; HAIER SMART HOME CO., LTD.	2022419503	UOP LLC
2022301470	Welltec Manufacturing Center Completions ApS	2022422808	INSTITUTE OF BIOLOGICAL AND MEDICAL ENGIN- EERING, GUANGDONG ACADEMY OF SCIENCES
2022302114	QINGDAO HAIER REFRIGERATOR CO., LTD.; HAIER SMART HOME CO., LTD.	2022423922	CJ CHEILJEDANG CORPORATION
2022302585	LG ELECTRONICS INC.	2022435941	SIEMENS GAMESA RENEWABLE ENERGY A/S
2022304654	GEN-PROBE INCORPORATED	2022438340	SIEMENS ENERGY GLOBAL GMBH & CO. KG
2022306138	VARISCO S.R.L.	2022438471	INSTITUTE OF COTTON RESEARCH OF CAAS
2022309885	SHELL INTERNATIONALE RESEARCH MAATSCHAP- PIJ B.V.	2022440272	NOKIA TECHNOLOGIES OY
2022312601	NUOVO PIGNONE TECNOLOGIE - S.R.L.	2022445042	ZTE CORPORATION
2022315352	HEFEI HAIER REFRIGERATOR CO.,LTD; QINGDAO HAIER REFRIGERATOR CO., LTD.; HAIER SMART HOME CO., LTD.	2022450944	TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYS- TEMS CORPORATION
2022321707	CHINA MOBILE COMMUNICATION CO., LTD RE- SEARCH INSTITUTE; CHINA MOBILE COMMUNICA- TIONS GROUP CO., LTD.	2023200644	Vilmorin & Cie
		2023200786	The Chinese University of Hong Kong
		2023201340	Getac Technology Corporation
		2023201483	ZINUS INC.
		2023201752	Fisher & Paykel Healthcare Limited
		2023201800	Ningbo Xingwei Cutting-Tools Technology Co., Ltd.

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2023201996	Canva Pty Ltd	2023248095	Sap Products Limited
2023202195	The Regents of The University of California	2023248152	Westinghouse Air Brake Technologies Corporation
2023202230	Kim, H.	2023248153	Greening Be Gone, LLC
2023202274	HemoCept Inc.	2023248184	Butlr Technologies Inc.
2023202305	Abiomed, Inc.	2023248190	Huawei Technologies Co., Ltd.
2023202392	Exact Sciences Corporation	2023251397	LG Electronics Inc.
2023202450	Giant Manufacturing Co., Ltd.	2023254921	Sungrow Power Supply Co., Ltd.
2023202607	Gilead Sciences, Inc.	2023258415	BL Technologies, Inc.
2023202701	Seminis Vegetable Seeds, Inc.	2023263426	LG Electronics Inc.
2023202714	Dexcom, Inc.	2023266242	LEE, C.
2023202797	Watgrid, S.A.	2023266279	Gilead Sciences, Inc.
2023202934	Fisher & Paykel Healthcare Limited	2023270235	Sungrow Energy Storage Technology Co., Ltd.
2023203013	Eisai R & D Management Co., Ltd.; President and Fellows of Harvard College	2023270393	BESPOKE PROFILES LIMITED
2023203029	Hunter Douglas, Inc.	2023274084	SABIC Agri-Nutrients Company
2023203112	Sarepta Therapeutics, Inc.	2023278042	Fujikura Ltd.
2023203141	LG ELECTRONICS INC.	2023282226	Precigen, Inc.
2023203206	Joy Global Underground Mining LLC	2023282249	LG Electronics, Inc.
2023203242	Sharrow Engineering LLC	2023282267	MAKO Surgical Corp.
2023203264	Neovasc Tiara Inc.	2023282278	ASC Engineered Solutions, LLC
2023203281	Case Western Reserve University	2023285787	Illinois Tool Works Inc.
2023203436	Ishida Co., Ltd.	2023285831	Yuan Mei Corp.
2023203486	North Star OpCo Limited	2023285866	Zimmer, Inc.
2023203614	Guangdong Eagler Geological Equipment Technology Co., Ltd	2023286019	Huawei Technologies Co., Ltd.
2023203759	Sinai Health System	2023286345	NORTHERN TRUST CORPORATION
2023203784	Taiho Pharmaceutical Co., Ltd.	2023304530	DOUYIN VISION CO., LTD.
2023203847	Guangdong Eagler Geological Equipment Technology Co., Ltd	2023309344	COOPERVISION INTERNATIONAL LIMITED
2023203967	Shenzhen Aiper Intelligent Co., Ltd.	2023323630	ELC MANAGEMENT LLC
2023203969	LG Electronics Inc.	2023327946	SINOMA SCIENCE & TECHNOLOGY (SUZHOU) CO., LTD; CHINA NATIONAL BUILDING MATERIAL GROUP CO., LTD.
2023204090	IdentiFlight International, LLC	2023358599	VACUWORX GLOBAL, LLC
2023204092	IdentiFlight International, LLC	2023369036	COOPERVISION INTERNATIONAL LIMITED
2023204204	LG Electronics Inc.	2023376662	VIRGINIA COMMONWEALTH UNIVERSITY; ILLEX-COR HOLDINGS, LLC.; KING ABDULAZIZ UNIVERSITY; CHILDREN'S HOSPITAL OF PHILADELPHIA (CHOP)
2023204338	LG Electronics Inc.	2023381811	HOLLISTER INCORPORATED
2023204343	Snap-on Incorporated	2024200191	The Toro Company
2023204348	Antecip Bioventures II LLC	2024200291	Heraeus Medical GmbH
2023204567	Abbott Diabetes Care Inc.	2024200312	Halliburton Energy Services, Inc.
2023204638	Werner Co.	2024200323	Foresee Pharmaceuticals USA, Inc.
2023206215	Dexcom, Inc.	2024200352	SCREEN Holdings Co., Ltd.
2023208080	Trina Solar Co., Ltd.	2024200353	SCREEN Holdings Co., Ltd.
2023208169	Apple Inc.	2024200560	Dana-Farber Cancer Institute, Inc.
2023208730	HALLIBURTON ENERGY SERVICES, INC.	2024200634	Rovi Guides, Inc.
2023210583	LG Electronics Inc.	2024201040	VISIE Inc.
2023210609	ANDREEV, P.	2024201258	Assa Abloy Entrance Systems AB
2023210636	AstraZeneca AB	2024201382	NAVICO, INC.
2023210670	LG Electronics Inc.	2024201491	Guangdong Oppo Mobile Telecommunications Corp., Ltd.
2023212115	ZHEJIANG CFMOTO POWER CO., LTD.	2024201636	Spark Thermionics, Inc.
20232114303	Terex South Dakota, Inc.	2024201671	Salts Healthcare Limited
20232114374	Abbott Diagnostics Scarborough, Inc.	2024201736	Ample-Xin Co., Ltd.
20232114383	Colgate-Palmolive Company	2024201771	ZTE Corporation
2023216746	Jinko Solar (Haining) Co., Ltd.; Zhejiang Jinko Solar Co., Ltd.	2024201818	Wisk Aero LLC
2023216793	Insulet Corporation	2024201827	Toy, C.
2023219819	Cipla USA, Inc	2024202221	Zhejiang Jinko Solar Co., Ltd.
2023219956	Angel Group Co., Ltd.	2024202761	University of Cincinnati
2023222880	Baxter Healthcare SA; Baxter International Inc	2024203128	GOMEZ, R.A.M.
2023222918	Agency for Defense Development	2024203190	LG Electronics Inc.
2023222952	Rani Therapeutics, LLC	2024203195	Stryker Corporation
2023222986	Kop-Coat, Inc.	2024203400	TRINA SOLAR CO., LTD.
2023222987	Aurigene Oncology Limited	2024203561	LG Electronics Inc.
20232229557	The Goodyear Tire & Rubber Company	2024203562	Google LLC
20232229610	Illinois Tool Works Inc.	2024203598	Board of Regents, The University of Texas System; Moleculin Biotech, Inc.
2023233149	Jinko Solar (Haining) Co., Ltd.	2024203616	Gel Cap Technologies, LLC
2023237065	The Sy-Klone Company, LLC	2024203985	Tencent America LLC
2023237164	HERCULES PROJECT COMPANY LLC	2024204047	4WEB, INC.
2023237201	Valo Therapeutics Oy	2024204235	Vortech Water Solutions Limited
2023241324	LG Electronics Inc.	2024204519	Precision Planting LLC
2023241336	Mars Sciences Limited	2024205656	Che, X.; Duan, J.
2023241338	FISHER & PAYKEL HEALTHCARE LIMITED		
2023243420	HERCULES PROJECT COMPANY LLC		
2023248068	Huawei Technologies Co., Ltd.		

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2024205727	TIANQI LITHIUM CORPORATION; TIANQI LITHIUM GENESIS TECHNOLOGY (SHENZHEN) LTD.
2024216529	Boston Scientific Neuromodulation Corporation
2024220024	NEWTEQ HOLDING B.V.
2024222137	RANDALL, B.
2024227455	MAKO Surgical Corp.
2024227472	Connected Innovations Limited
2024278160	GE Video Compression, LLC
2024278297	MITEK HOLDINGS, INC.
2024278580	GE Video Compression, LLC
2024287241	ConnectWise, LLC
2024287270	Mitsubishi Chemical Corporation
2025200161	X Development LLC
2025200219	Cumpson, P.
2025201120	Highwood Enterprises Pty Ltd
2025201293	Multiple Energy Technologies LLC
2025201813	Derrick Corporation
2025202121	Aiper Global Pte. Ltd.
2025202213	Wisk Aero LLC
2025203494	Aurora Operations, Inc.

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2020414684	2019410555	<u>A23G 4 /-</u>	<u>A24F 40 /-</u>	<u>A46B 13 /-</u>	<u>A47J 42 /-</u>
<u>A01F 15 /-</u>	<u>A01N 39 /-</u>	2019310214	2020350125	2024200291	2020217615
2020204395 2020285671	2019410555	<u>A23J 1 /-</u>	<u>A23P 20 /-</u>	<u>A46B 15 /-</u>	<u>A47J 43 /-</u>
<u>A01G 24 /-</u>	<u>A01N 43 /-</u>	2021431745	2020283595	2024200291	2019295420 2022231060
2025201293	2020220343 2021454501 2022415352	<u>A23J 3 /-</u>	<u>A24F 47 /-</u>	<u>A47C 1 /-</u>	<u>A47J 44 /-</u>
<u>A01G 25 /-</u>	<u>A01N 47 /-</u>	2019295064 2023202230	2019359556	2020253371	2019295420
2021379585 2024201736	2019416186	2023202230	2019356253	<u>A47C 17 /-</u>	<u>A47K 10 /-</u>
<u>A01G 31 /-</u>	<u>A01N 57 /-</u>	<u>A23K 10 /-</u>	<u>A41B 11 /-</u>	2023201483	2019418406
2020273003 2025201293	2019410555	2019358539 2019415009	2021354328	<u>A47C 3 /-</u>	<u>A47L 11 /-</u>
<u>A01G 7 /-</u>	<u>A01N 59 /-</u>	<u>A41B 9 /-</u>	<u>A41B 9 /-</u>	2020253371	2021447852 2022281727
2025201293	2019349861 2023248153	2019389600	2019389600	<u>A47C 4 /-</u>	

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<u>A47L 15 /-</u>	2022224439	2019333119	2020243073	<u>A61K 8 /-</u>	<u>A61M 31 /-</u>
2023210583	<u>A61F 13 /-</u>	2019335409	2020335930		2019375998
<u>A47L 9 /-</u>	2021354328	2019336671	2021204574	2019339493	2020205162
2023251397	2022274905	2019342857	2021248774	2019424624	<u>A61M 39 /-</u>
<u>A61B 1 /-</u>	<u>A61F 2 /-</u>	2019362849	2021382506	2020251982	
2024201040	2019403207	2019395005	2022202506	2022224687	2020357049
<u>A61B 17 /-</u>	2019424624	2019451652	2022263520	2022396169	2021257831
2017365926	2019406832	2020218255	2022263598	2023214383	2023216793
2019356975	2020208306	2020229919	2022275786	2023323630	
2020208306	2020209674	2020235617	2022298662	<u>A61K 9 /-</u>	<u>A61M 5 /-</u>
2020225647	2020464643	2020264969	2023203759	2019321583	2019441848
2020357049	2022323662	2020281701	<u>A61K 39 /-</u>	2019375998	2020231244
2021272366	2023203264	2020291014	2018256922	2020252863	2020268886
2022272291	2023285866	2020299953	2018272311	2020260894	2020282750
2024200291	2024204047	2020326244	2018276140	2020326244	2023216793
<u>A61B 18 /-</u>	<u>A61F 5 /-</u>	2021255043	2018278275	2020335930	2023222880
2019200894	2022203621	2022209657	2018307292	2021208601	<u>A61M 60 /-</u>
2019332931	2022203621	2022232414	2018335828	2022209657	
2020225647	2020263651	2022232414	2018352308	2022232414	2019362062
2021272366	2020464643	2022234495	2018390817	2022242632	<u>A61N 1 /-</u>
2022272291	2022275493	2022242632	2018409906	2022266501	2019315780
<u>A61B 34 /-</u>	2023381811	2022256052	2019219004	2022280842	2019388777
2019307937	2024201671	2022272181	2019236091	2022346513	2020204710
2019332975	<u>A61F 9 /-</u>	2022274469	2019261570	2023203281	2020219831
2023282267	2019200894	2022346513	2019267349	2023222952	2020319084
2024203195	2019293245	2022383315	2019318031	2024202761	2022215929
2024227455	<u>A61G 19 /-</u>	2022394648	2019320336	2024203598	2022334585
<u>A61B 5 /-</u>	2023358599	2023202607	2019334676	2024203616	2024216529
2019283410	<u>A61H 21 /-</u>	2023203784	2021232369	<u>A61L 27 /-</u>	<u>A61P 1 /-</u>
2019299549	2020205162	2023204348	2021271860	2020209674	2020235617
2019315780	<u>A61H 23 /-</u>	2023210636	2021272212	2020256136	2020348461
2019356023	2023266242	2023222987	2022203605	2020260894	2021204574
2020219831	<u>A61H 9 /-</u>	2023266279	2022263520	2020397855	2021246519
2020275409	2019357459	2024200323	2023203759	2022323662	<u>A61P 11 /-</u>
2020319084	<u>A61J 1 /-</u>	2024202761	2023237201	2023203759	2019362849
2021395004	2020231244	2024203598	2023282226	2024204047	2021248774
2022215929	2020252863	2025201293	2024200560	<u>A61L 33 /-</u>	2022200673
2022335424	<u>A61J 15 /-</u>	<u>A61K 35 /-</u>	<u>A61K 45 /-</u>	2019354085	2022256052
2022406037	2020231244	2017365926	2019320336	<u>A61M 1 /-</u>	2022274469
2023202274	2020252863	2018246143	2020235617	2019396574	2024200323
2023202714	<u>A61J 3 /-</u>	2018256922	2023203784	2021272366	<u>A61P 15 /-</u>
2023204567	2020231244	2018338418	<u>A61K 47 /-</u>	2022275493	2020235617
2023206215	<u>A61J 7 /-</u>	2019271436	2019318031	2023222880	2020326244
<u>A61B 50 /-</u>	2020231244	2019358539	2019320336	<u>A61M 11 /-</u>	<u>A61P 17 /-</u>
2020370502	<u>A61J 31 /-</u>	2020224373	2019321583	2019313476	2019330022
<u>A61B 8 /-</u>	2023222952	2020260894	2019376076	<u>A61M 15 /-</u>	2019424624
2019283410	2024203616	2020348461	2019405389	2019313476	2020235617
<u>A61B 90 /-</u>	<u>A61J 17 /-</u>	2021204574	2020260894	<u>A61M 16 /-</u>	2021208642
2019293245	2020303900	2021248774	2021208601	2019377352	2021431745
2019307937	<u>A61K 31 /-</u>	2022203621	2021232369	2023201752	2022234495
2023282267	2017365926	2022203621	2021410089	2023202934	2022256052
2024203195	2018351053	2022356489	2022346513	2023241338	2022346513
<u>A61C 17 /-</u>	2019320336	2023202195	2022356489	<u>A61M 25 /-</u>	<u>A61P 19 /-</u>
	2019323764	2023203759	2024203598	2019283410	2018278275
	2019327475	<u>A61K 38 /-</u>	<u>A61K 48 /-</u>	2019337507	2019358539
	2019330022	2017365926	2019370297	2020370502	2019424624
		2019236288	2023203759		2020235617
		2019281008	<u>A61K 51 /-</u>		2022256052
		2019334676	2020215086		
		2019376076	<u>A61K 6 /-</u>		
		2019405389	2020320132		

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<u>A61P 21 /-</u>	2019395005	2018214006	2020319853	<u>B04B 11 /-</u>	2023327946
2023203112	2020224373	<u>A62C 3 /-</u>	<u>B01F 31 /-</u>	2022297630	<u>B22F 1 /-</u>
<u>A61P 25 /-</u>	2020229919	2018443516	2020319853	<u>B04B 15 /-</u>	2019396535
2018352308	2021208642	2021386924	<u>B01J 13 /-</u>	2022297630	<u>B22F 10 /-</u>
2019323764	2021232369	<u>A62C 35 /-</u>	2024287270	<u>B04B 7 /-</u>	2024204047
2019336671	2021255043	2024201736	<u>B01J 20 /-</u>	2022297630	<u>B22F 3 /-</u>
2019424624	2022203605	<u>A62D 5 /-</u>	2020256256	<u>B05B 1 /-</u>	2024204047
2019451652	2022242632	2021394480	<u>B01J 23 /-</u>	2020274018	<u>B23K 11 /-</u>
2020299953	2022256052	<u>A63B 21 /-</u>	2022245619	2024201736	2020322628
2020326244	2022383315	2024201382	<u>B01J 37 /-</u>	<u>B05B 15 /-</u>	<u>B23K 26 /-</u>
2020335930	2023203784	<u>A63F 1 /-</u>	2022245619	2024201736	2018203176
2021297223	2023282226	2023219956	<u>B01J 8 /-</u>	<u>B05B 17 /-</u>	2021471061
2022200673	<u>A61P 37 /-</u>	<u>A63F 13 /-</u>	2019352491	2020273003	<u>B24B 19 /-</u>
2022252753	2018338418	2020279440	2022292916	<u>B06B 1 /-</u>	2020302972
2022256052	2018409906	<u>A63F 9 /-</u>	2022309885	2019346041	<u>B24B 3 /-</u>
2023204348	2019267349	2024205656	<u>B01L 3 /-</u>	<u>B07B 1 /-</u>	2020302972
<u>A61P 27 /-</u>	2021208642	<u>B01D 25 /-</u>	2019356023	2020319853	<u>B24D 15 /-</u>
2019219004	2021272212	2020231476	2020323880	2025201813	2020242168
2019424624	2022203605	<u>B01D 27 /-</u>	<u>B01L 9 /-</u>	<u>B07B 4 /-</u>	<u>B25B 21 /-</u>
2020260894	2022232414	2024201827	2022207086	2022391068	2023204343
2020264969	2022234495	<u>B01D 29 /-</u>	<u>B02C 17 /-</u>	<u>B07B 7 /-</u>	<u>B25B 23 /-</u>
2022256052	2022256052	2024201827	2019440110	2019314572	2023204343
2022275786	2023203759	<u>B01D 3 /-</u>	2022450944	<u>B07B 9 /-</u>	<u>B25F 5 /-</u>
<u>A61P 29 /-</u>	<u>A61P 43 /-</u>	<u>B01D 46 /-</u>	<u>B02C 23 /-</u>	2022391068	2023204343
2022234495	2019320336	2021394480	2019314572	<u>B07C 5 /-</u>	<u>B25J 11 /-</u>
2022256052	2020335930	2023237065	2021402267	2021242242	2023251397
2022346513	2022274469	<u>B01D 53 /-</u>	<u>B03B 5 /-</u>	<u>B08B 1 /-</u>	<u>B25J 13 /-</u>
2022423922	2022394648	<u>B01D 61 /-</u>	2019314572	2024200291	2024278297
<u>A61P 3 /-</u>	2023203784	<u>B01D 63 /-</u>	<u>B03B 9 /-</u>	<u>B08B 3 /-</u>	<u>B25J 15 /-</u>
2019405389	<u>A61P 5 /-</u>	2020250331	2019314572	2020200115	2024278297
2020235617	2020218255	<u>B01D 71 /-</u>	<u>B03D 1 /-</u>	<u>B08B 7 /-</u>	<u>B25J 19 /-</u>
2020281701	<u>A61P 7 /-</u>	2020254379	2021403948	2018203176	2023251397
2021246519	2018382506	<u>B01F 23 /-</u>	2021403948	<u>B08B 9 /-</u>	<u>B25J 5 /-</u>
2022202506	2023376662	2022297630	<u>B03D 101 /-</u>	2018203176	2024278297
2022209657	<u>A61P 9 /-</u>	<u>B01F 27 /-</u>	2021403948	<u>B09B 3 /-</u>	<u>B25J 9 /-</u>
2022256052	2017365926	2023258415	<u>B04B 1 /-</u>	2019352491	2023251397
2022298662	2019333119	2024204235	2022297630	<u>B09C 1 /-</u>	2024278297
<u>A61P 31 /-</u>	2022256052	<u>B01D 71 /-</u>	<u>B21D 51 /-</u>	2021441781	<u>B26B 1 /-</u>
2018390817	<u>A61Q 1 /-</u>	2020256256			2023201800
2018409906	2023323630	<u>B01D 71 /-</u>			
2019261570	<u>A61Q 11 /-</u>	<u>B01F 23 /-</u>			
2019309366	2022224687	2020256256			
2019335409	2022396169	<u>B01F 23 /-</u>			
2021248774	2023214383	<u>B01F 23 /-</u>			
2022256052	<u>A61Q 19 /-</u>	<u>B01F 23 /-</u>			
2022356489	2019424624	<u>B01F 23 /-</u>			
2023202607	<u>A61Q 5 /-</u>	<u>B01F 23 /-</u>			
2023203112	2020251982	<u>B01F 23 /-</u>			
2023266279	<u>A62B 17 /-</u>	<u>B01F 23 /-</u>			
<u>A61P 35 /-</u>	2019293245	<u>B01F 23 /-</u>			
2018272311	<u>A62B 35 /-</u>	<u>B01F 23 /-</u>			
2018307292		<u>B01F 23 /-</u>			
2018321902		<u>B01F 23 /-</u>			
2018358250		<u>B01F 23 /-</u>			
2018372631		<u>B01F 23 /-</u>			
2018409906		<u>B01F 23 /-</u>			
2019267349		<u>B01F 23 /-</u>			
2019318031		<u>B01F 23 /-</u>			
2019320336		<u>B01F 23 /-</u>			

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<u>B26B 29 /-</u>	2021204072	<u>B60L 53 /-</u>	<u>B62D 3 /-</u>	<u>B64C 27 /-</u>	<u>B65B 41 /-</u>
2023201800	<u>B30B 1 /-</u>	2019331041	2021438040	2023210609	2023203436
<u>B26B 5 /-</u>	2020340469	<u>B60P 1 /-</u>	<u>B62D 33 /-</u>	2024201818	<u>B65B 5 /-</u>
2023201800	<u>B30B 9 /-</u>	2020202111	2022402874	2025202213	2020340469
<u>B27B 31 /-</u>	2022231060	2024200191	<u>B62D 5 /-</u>	<u>B64C 29 /-</u>	2020340469
2024278297	<u>B31F 1 /-</u>	<u>B60P 3 /-</u>	2019433213	<u>B64C 3 /-</u>	<u>B65B 57 /-</u>
<u>B27B 5 /-</u>	2019432920	2021203940	<u>B62D 55 /-</u>	2023203436	2023203436
2024278297	<u>B32B 13 /-</u>	<u>B60T 11 /-</u>	2024201818	<u>B65B 61 /-</u>	2021420770
<u>B27F 7 /-</u>	2022361827	2020286440	2025202213	2023203436	2023203436
2019203741	<u>B32B 17 /-</u>	<u>B60T 15 /-</u>	<u>B64C 37 /-</u>	<u>B65B 63 /-</u>	2023210609
<u>B27M 3 /-</u>	2021471443	2020290396	<u>B64C 39 /-</u>	2020340469	<u>B65B 65 /-</u>
2024278297	<u>B32B 27 /-</u>	<u>B60T 7 /-</u>	2021386924	202325175	2021420770
<u>B28B 23 /-</u>	2021394480	2020202109	2023210609	2023210609	2021420770
2019236618	2021471443	2020202111	<u>B64C 5 /-</u>	<u>B65B 69 /-</u>	2020204395
<u>B28B 7 /-</u>	<u>B32B 3 /-</u>	2020290396	2019433213	<u>B65C 9 /-</u>	2021420770
2019236618	2021394480	<u>B60T 8 /-</u>	<u>B62K 19 /-</u>	2021386924	<u>B65D 1 /-</u>
<u>B29B 7 /-</u>	2021471443	2020202109	2023202450	<u>B64D 1 /-</u>	2018440144
2022379958	<u>B33Y 80 /-</u>	2020202111	<u>B63B 21 /-</u>	<u>B64D 35 /-</u>	<u>B65D 17 /-</u>
<u>B29C 33 /-</u>	2024204047	2020202341	<u>B63B 22 /-</u>	2025202213	2019406290
2023309344	<u>B42D 25 /-</u>	2020203993	2019336054	<u>B64D 47 /-</u>	<u>B65D 23 /-</u>
<u>B29C 43 /-</u>	2019426547	<u>B61C 3 /-</u>	<u>B63B 23 /-</u>	2022325175	2018440144
2021471443	2020313389	2019226299	2020259058	<u>B64F 5 /-</u>	<u>B65D 33 /-</u>
<u>B29C 44 /-</u>	<u>B60C 11 /-</u>	<u>B61C 5 /-</u>	<u>B63B 25 /-</u>	2021281599	2020216355
2023241324	2023229557	2019226299	2021379479	<u>B64G 1 /-</u>	<u>B65D 39 /-</u>
<u>B29C 45 /-</u>	<u>B60C 19 /-</u>	<u>B61C 7 /-</u>	<u>B63B 27 /-</u>	2020201137	2018440144
2023309344	2020356915	2019226299	2019300419	<u>B64U 10 /-</u>	<u>B65D 41 /-</u>
<u>B29C 48 /-</u>	<u>B60C 23 /-</u>	<u>B61C 9 /-</u>	2020259058	2023210609	2018440144
2021204072	2020356915	2019226299	<u>B63B 73 /-</u>	<u>B64U 101 /-</u>	2020287257
2022379958	<u>B60C 9 /-</u>	<u>B61L 15 /-</u>	2021281599	2025200219	<u>B65D 43 /-</u>
<u>B29C 53 /-</u>	2023229557	2023248152	2021379479	<u>B64U 30 /-</u>	2023203486
2023327946	<u>B60C 99 /-</u>	<u>B61L 25 /-</u>	<u>B63H 1 /-</u>	2023210609	<u>B65D 45 /-</u>
<u>B29C 64 /-</u>	2020356915	2023248152	2023203242	<u>B64U 50 /-</u>	2021203940
2021204072	<u>B60G 17 /-</u>	<u>B61L 27 /-</u>	<u>B64C 1 /-</u>	2023210609	2023203486
2024201040	2020272614	2020245896	2020205348	<u>B65B 1 /-</u>	<u>B65D 47 /-</u>
<u>B29C 70 /-</u>	2022402874	2023248152	<u>B64C 11 /-</u>	2020340469	2019406290
2019341667	<u>B60H 1 /-</u>	<u>B61L 5 /-</u>	2024201818	<u>B65B 13 /-</u>	2020287257
<u>B29D 11 /-</u>	2020212092	2022369394	2025202213	2020340469	<u>B65D 5 /-</u>
2023309344	<u>B60K 1 /-</u>	<u>B62B 5 /-</u>	<u>B64C 25 /-</u>	2020340469	2021376197
<u>B29K 105 /-</u>	2020286440	2020304994	2020205348		
	2023212115				

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B65D 50 /-	B67D 1 /-		2020291014	2022272181	2018278275
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		2019382199	C07D 237 /-	C07F 5 /-	2018321902
B65D 65 /-	B67D 9 /-		2022256052	2023210636	2018335828
2023202230	2019300419	C05C 9 /-			2018338418
		2023274084	C07D 239 /-	C07F 9 /-	2018352308
B65D 77 /-	B81B 1 /-		2023210636	2019342857	2018409906
2021376197	2020211642	C05G 1 /-			2019219004
		2025201293	C07D 241 /-	C07H 1 /-	2019236091
B65D 81 /-	B82Y 5 /-		2019403207	2020278797	2019309366
2020252863	2023203281	C05G 3 /-		2023219819	2019318031
2021399512		2023274084	C07D 401 /-		2019413366
	C01B 3 /-		2020220343	C07H 15 /-	2021208642
B65D 85 /-		C07B 59 /-	2020291014	2020278797	2021232369
2020340469	2019352491		2020299953	2020291014	2021272212
	2022245619	2020215086	2022415352	2023219819	2021297223
B65F 3 /-	2022252487	C07C 1 /-	C07D 403 /-	C07H 17 /-	2021382506
2020219848	2022292916				2021422014
		2022282846	2020291014	2019335409	2022203605
B65G 1 /-	C02F 1 /-	C07C 13 /-	2022272181		2022252753
2021399015	2019326527			C07H 19 /-	2023202195
	2020250331	2023376662	C07D 405 /-		C07K 19 /-
B65G 15 /-	2020254379	C07C 19 /-	2022256052	2020230955	2018269370
2019282093	2020256256		2024200323	C07H 21 /-	2018338418
	2024200312	2020256256	C07D 407 /-		C07K 4 /-
	2024204235			2020230955	2019292668
B65G 17 /-	C02F 3 /-	C07C 215 /-	2024200323	2020278797	C07K 7 /-
2024278297				C07J 63 /-	C07K 19 /-
	2022412443	2022280842	C07D 411 /-		2018269370
B65G 39 /-	2023258415	C07C 235 /-		2020218255	C08B 30 /-
	2024204235		2020220343	C07K 1 /-	2019310214
2020273956	C03B 5 /-	2022256476	C07D 413 /-		C08B 37 /-
B65G 47 /-		C07C 255 /-		2019292668	C08B 120 /-
2019282093	2020310849		2019395005	C07K 14 /-	2020222874
2021399015	C03C 25 /-	2023210636	2020220343		C08F 212 /-
		C07C 29 /-	2023210636	2018269370	2020323880
B65G 59 /-	2019316616		2023222987	2019208011	C08F 220 /-
2024220024	C04B 111 /-	2022292916	C07D 451 /-	2019236288	2019422318
		C07C 323 /-		2019281008	2020222874
B66B 11 /-	2019382199		C07D 471 /-	2019334676	2020323880
2022245073	C04B 14 /-	2022280842		2019376076	C08F 230 /-
		C07C 51 /-	2019327475	2019405389	2019422318
B66C 1 /-	2020261666		2019362849	2019413366	2020222874
2023358599	C04B 22 /-	2020213861	2022256052	2020224373	2020323880
		C07D 207 /-	2022415352	2020243073	
B66C 15 /-	2020261666		2023210636	2021248774	
2023214303	C04B 24 /-	2020217580	2023266279	2021271860	
		C07D 209 /-		2021324821	
B66F 11 /-	2019382199		C07D 487 /-	2021410089	
2020349066	C04B 26 /-	2023210636		2022202578	
2023214303		C07D 213 /-	2022256476	2022298662	
	2019382199		C07D 491 /-	2022438471	
B66F 17 /-	C04B 28 /-	2020229919		2023202195	
2020349066		2023376662	C07D 493 /-	2023203281	
2023214303	2020259147			2023203759	
	2020261666	C07D 221 /-	2022256052	2023282226	
B66F 7 /-	C04B 35 /-		2022415352	2024200560	
2021281599		2020220343	C07D 495 /-		
	2022245619	C07D 223 /-		C07K 16 /-	
			2022256052	2018246143	
				2018269370	
				2018272311	
				2018276140	

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2019353692	2019382199	C11D 7 /-	2019271436	2019208099	C22C 23 /-
C08G 63 /-	C09J 175 /-	2020200115	2019318031	2021248774	2020397855
2020213861	2019382199	C12H 1 /-	2020218941	2021441781	C22C 35 /-
C08G 65 /-	C09K 15 /-	2023202797	2020224373	2022356489	2022344865
2019382199	2019339493	C12L 11 /-	2020260894	2022422808	C21B 13 /-
C08G 77 /-	C09K 8 /-	2023202797	2021350981	202251282	C22F 1 /-
2020323880	2019439428	C12M 1 /-	2021422014	2020253206	2020397855
C08H 1 /-	2019439432	2019236246	2020260894	2020255992	C23C 16 /-
2020218941	2020261666	2019423931	2023237201	2022282846	2024203400
C08J 11 /-	2020271828	2020354411	C12N 9 /-	2022352270	C23C 2 /-
2020213861	C10B 45 /-	C12N 1 /-	2018358250	2022344865	2021463503
2020253875	2022403278	2018256922	2019215050	2022356833	C25B 1 /-
C08J 3 /-	C10B 49 /-	2018307292	2019242425	C21C 1 /-	2022245619
2020218941	2020253875	2019242425	2019292668	2020281532	2022409578
2023202230	C10B 53 /-	2019318031	2019333722	C21C 5 /-	C25B 11 /-
C08J 5 /-	2020253875	2020252433	2019370297	2022356833	2022245619
2022379958	C10B 55 /-	2020348461	2021382506	C21C 7 /-	2024200352
C08K 3 /-	2022344865	2021248774	2022263598	2020281532	2024200353
2019396535	C10B 57 /-	2021441781	2022422808	C22B 1 /-	C25B 15 /-
C08L 29 /-	2022344865	C12N 11 /-	2023210636	2019314572	2022409578
2022379958	2022403278	2021441781	C12P 17 /-	2022344865	C25B 7 /-
C08L 3 /-	C10G 1 /-	C12N 15 /-	2023210636	2022352270	2020250331
2022379958	2020253875	2018256922	C12P 19 /-	2022354355	C25B 9 /-
C08L 5 /-	2022218528	2018307292	2022422808	2022356833	2022245619
2022379958	2022309885	2018338418	C12P 21 /-	C22B 13 /-	2022409578
C08L 67 /-	C10G 35 /-	2018358250	2018372631	2020251282	C40B 50 /-
2022379958	2020253875	2018372631	2018409906	C22B 23 /-	2020460256
C08L 89 /-	2022292916	2018409906	2019208011	2021472648	D01D 5 /-
2020213861	C10J 3 /-	2019208099	2019210190	C22B 26 /-	2019383371
2022379958	2019352491	2019242425	2019242425	2024205727	D04H 1 /-
C08L 89 /-	C10K 3 /-	2019242425	2019318031	C22B 3 /-	2019316616
2020218941	2022292916	2019247637	C12P 7 /-	2022352270	2019383371
2023202230	C10L 5 /-	2019261570	2019340853	C22B 34 /-	D06F 103 /-
C09B 57 /-	2022344865	2019292668	C12Q 1 /-	2020251282	2022398833
2020230955	C10L 9 /-	2019318031	2019208099	C22B 23 /-	D06F 105 /-
C09D 163 /-	2019314572	2019333722	2019209436	2024205727	2022398833
2019353692	C11B 1 /-	2019358806	2019210150	C22B 3 /-	D06F 29 /-
C09D 175 /-	2022218528	2019370297	2019271436	2020251282	2023203141
2019382199	2022218528	2019413366	2019281008	2020253206	D06F 33 /-
C09D 5 /-	C11B 5 /-	2020211642	2019301229	2020255992	2022398833
2020239391	2019339493	2020256136	2019319203	2022344865	D06F 34 /-
C09J 171 /-	2020200115	2020323880	2019413366	C22C 1 /-	2022302585
		2021272212	2019415009	C22C 18 /-	
		2021324821	2019422318		
		2021330660	2020211642		
		2021382506	2020230955		
		2021410089	2020323880		
		2021422014	2020460256		
		2022218528	2021330660		
		2022275507	2022211822		
		2022422808	2022304654		
		2022438471	2023200786		
		2023203759	2023202392		
		C12N 5 /-	2023202701		
		2018307292	C12R 1 /-		
		2018338418			
		2018372631			

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2022398833		2021471061	<u>E05B 63 /-</u>	2022274229	2021465850
2023210583	<u>E01C 5 /-</u>	2022279450		2022301470	
		2022361827	2019377352	2022384633	<u>F03D 17 /-</u>
<u>D06F 37 /-</u>	2020229509			2023208730	
		<u>E04C 3 /-</u>	<u>E05B 65 /-</u>		2022356758
2022302585	<u>E01C 9 /-</u>			<u>E21B 34 /-</u>	<u>F03D 7 /-</u>
<u>D06F 39 /-</u>	2020229509	2019203393	2019377352		
		2019203622	2020278871	2019391606	2022356758
2023203141	<u>E01F 13 /-</u>	2019203741		2022274229	
<u>D06F 58 /-</u>	2019428718	2023229610	<u>E05B 9 /-</u>	<u>E21B 4 /-</u>	<u>F03D 80 /-</u>
		2025201120			
			2020278871		
2022237195	<u>E01F 15 /-</u>	<u>E04C 5 /-</u>	<u>E05C 1 /-</u>	2021355550	2022435941
2022398833		2019236618		<u>E21B 40 /-</u>	<u>F03D 9 /-</u>
<u>D06F 89 /-</u>	2019428718		2020278871		
	<u>E02F 3 /-</u>	<u>E04D 12 /-</u>	<u>E05C 3 /-</u>	2023203614	2021465850
2020212367		2025201120		<u>E21B 41 /-</u>	2022435941
<u>D06M 19 /-</u>	2020201035		2020278871		<u>F04B 1 /-</u>
	2020202109	<u>E04F 10 /-</u>		2019439428	
	2020202111		<u>E05F 15 /-</u>	2019439432	2023214374
2022391068	2021203940	2023203029		2019471604	2023216793
<u>D21H 17 /-</u>	2022214765		2024201258	2020237935	
	<u>E02F 9 /-</u>	<u>E04F 13 /-</u>	<u>E06C 1 /-</u>	2020302972	<u>F04B 19 /-</u>
2021278296		2019437405		2022384633	2023214374
	2019398427		2023204638	2023208730	
<u>D21H 21 /-</u>	2020202109	<u>E04F 15 /-</u>	<u>E06C 7 /-</u>	<u>E21B 43 /-</u>	<u>F04B 43 /-</u>
	2020202111				
2021278296	2020239939	2019437405		2019376673	2020201522
<u>D21H 27 /-</u>	2020268720	2021471443	2018214006	2022274229	<u>F04B 49 /-</u>
	2020387372		2020264029	2022384633	
		<u>E04F 17 /-</u>	2023204638		
2019432920	<u>E03B 9 /-</u>		<u>E21B 17 /-</u>	<u>E21B 47 /-</u>	2020201522
<u>E01B 11 /-</u>		2019236618			<u>F04B 53 /-</u>
	2019250122			2019391606	
2020322628	<u>E04B 1 /-</u>	<u>E04G 11 /-</u>	2021287875	2020347482	2022374384
			2022349606	2022221587	2023216793
<u>E01B 2 /-</u>	2019203393	2019236618	2023203847		
	2019203622	<u>E04G 21 /-</u>	<u>E21B 19 /-</u>	<u>E21B 49 /-</u>	<u>F04B 7 /-</u>
2020245896	2019236618				
<u>E01B 29 /-</u>	2019283594	2019203741	2019337774	2019391606	2023216793
	2020239196	2023270393	2020201797	<u>E21B 7 /-</u>	<u>F04D 13 /-</u>
2020322628	2021471061	<u>E04H 12 /-</u>	2023203614		
<u>E01B 3 /-</u>	2022279450		<u>E21B 21 /-</u>	2020279992	2024204235
	2023229610	2019346041		2023208730	
2020245896	2023285787	<u>E04H 15 /-</u>	2019471604	<u>E21C 35 /-</u>	<u>F04D 17 /-</u>
	2025201120		2020261666		2020317754
<u>E01B 35 /-</u>	<u>E04B 2 /-</u>	2019283594	2021355550	2023203206	<u>F04D 29 /-</u>
			<u>E21B 23 /-</u>	<u>F01D 5 /-</u>	
2020245896	2019236618	<u>E04H 4 /-</u>			2020317754
<u>E01C 11 /-</u>	2020239196		2019479308	2023203242	2022306138
	2022279450	2023203967	2022230459		2022374384
2020229509	2022361827	2025202121		<u>F02B 19 /-</u>	2024204235
2023285787	2023216746	<u>E04H 7 /-</u>	<u>E21B 25 /-</u>		
	<u>E04B 5 /-</u>			2019338970	<u>F04D 7 /-</u>
<u>E01C 17 /-</u>		2018214006	2023203847		
	2022279450	<u>E05B 1 /-</u>	<u>E21B 27 /-</u>	<u>F02C 6 /-</u>	2024204235
2020229509	<u>E04B 7 /-</u>				<u>F04F 13 /-</u>
		2020278871	2022384633	2023222918	
<u>E01C 19 /-</u>	2019203393	<u>E05B 13 /-</u>	<u>E21B 29 /-</u>	<u>F02K 3 /-</u>	2019376673
2024200191	<u>E04C 1 /-</u>				<u>F15B 11 /-</u>
<u>E01C 23 /-</u>		2020278871	2022274229	2023222918	
	2019353539		2023208730	<u>F02P 13 /-</u>	2020239939
2024200191	<u>E04C 2 /-</u>	<u>E05B 61 /-</u>	<u>E21B 33 /-</u>	2019338970	<u>F15B 13 /-</u>
<u>E01C 3 /-</u>		2019377352		<u>F03D 13 /-</u>	
	2019236618		2019479308		2020239939
2020229509	2019283594		2022230459		

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<u>F16B 7 /-</u>		<u>F25B 47 /-</u>	<u>F25J 3 /-</u>	<u>G01J 5 /-</u>	2019271436
2022359109	<u>F16L 15 /-</u>	2022301265	2020317754	2022332552	2019395619
2023201483	2022359109	2022302114			2019438571
<u>F16C 11 /-</u>	<u>F16L 17 /-</u>	<u>F25B 49 /-</u>	<u>F25J 5 /-</u>	<u>G01K 1 /-</u>	2020201395
2023204638	2023282278	2019314085	2023243420	2022332552	2020211063
<u>F16C 33 /-</u>	<u>F16L 21 /-</u>	2023210583	<u>F27B 14 /-</u>	<u>G01L 7 /-</u>	2020230955
2020273956	2023282278	<u>F25B 5 /-</u>	2021472648	2019391606	2020269633
<u>F16C 35 /-</u>	<u>F16L 27 /-</u>	2019314085	<u>F27D 17 /-</u>	<u>G01M 3 /-</u>	2021208642
2020273956	2019204361	<u>F25C 1 /-</u>	2020235540	2019391606	2021382506
<u>F16F 7 /-</u>	<u>F16L 55 /-</u>	2023203969	2021472648	<u>G01M 5 /-</u>	2022200673
2019428718	2019441328	2023204204	<u>F27D 19 /-</u>	2020289058	2022202578
<u>F16J 12 /-</u>	<u>F16L 59 /-</u>	2023210670	2019358883	<u>G01M 7 /-</u>	2022218516
2022359109	2019341667	<u>F25C 5 /-</u>	<u>F27D 25 /-</u>	2019346041	2022252753
<u>F16J 13 /-</u>	<u>F16N 29 /-</u>	2023210670	<u>F27D 9 /-</u>	<u>G01N 1 /-</u>	2022275507
2022359109	2019325190	<u>F25D 11 /-</u>	2019358883	2023214374	2022403278
<u>F16J 15 /-</u>	<u>F16N 7 /-</u>	2019314085	<u>F41G 1 /-</u>	<u>G01N 15 /-</u>	2023202797
2022297630	2019325190	202315352	2019384075	2019360360	<u>G01N 35 /-</u>
2022306138	<u>F17C 1 /-</u>	2023367116	<u>F41H 3 /-</u>	2020211063	2019392468
<u>F16K 1 /-</u>	2023327946	2023203969		2020281945	<u>G01N 5 /-</u>
2022349343	<u>F17C 13 /-</u>	2023204204	<u>G01B 11 /-</u>	<u>G01N 21 /-</u>	2022403278
<u>F16K 11 /-</u>	2022359109	2023210670	2024201040	2019356023	<u>G01P 3 /-</u>
2023216793	<u>F17C 7 /-</u>	<u>F25D 17 /-</u>	<u>G01C 21 /-</u>	2020211063	2023204092
<u>F16K 17 /-</u>	2019204191	2022367116	2020203993	2020217056	<u>G01R 1 /-</u>
2019204191	<u>F23G 5 /-</u>	<u>F25D 21 /-</u>	2020250976	2020269633	2022325175
2022349343	2020217056	2023203969	<u>G01F 1 /-</u>	2021447852	<u>G01R 31 /-</u>
<u>F16K 27 /-</u>	<u>F23K 5 /-</u>	<u>F25D 23 /-</u>	2023202934	2022207086	2022263786
2019250122	2019204191	2022315352	<u>G01G 11 /-</u>	2025203494	<u>G01R 33 /-</u>
2023285831	<u>F24C 15 /-</u>	2022367116	2020283595	<u>G01N 22 /-</u>	2023241336
<u>F16K 31 /-</u>	2020212622	2022370122	<u>G01G 13 /-</u>	2020323417	<u>G01S 13 /-</u>
2022349343	<u>F24F 1 /-</u>	2023204204	2020283595	<u>G01N 25 /-</u>	2022440272
2023285831	2021427965	2023204338	<u>G01G 19 /-</u>	2022403278	2025203494
<u>F16K 37 /-</u>	<u>F24F 11 /-</u>	2023210583	2020283595	<u>G01N 27 /-</u>	<u>G01S 19 /-</u>
2022349343	2021427965	2023241324	<u>G01G 23 /-</u>	2020269633	2020203993
<u>F16K 49 /-</u>	<u>F24F 13 /-</u>	<u>F25D 25 /-</u>	2020283595	2020289058	2020387372
2022349343	2019377352	<u>F25D 29 /-</u>	2022412443	2021447399	<u>G01S 5 /-</u>
<u>F16K 7 /-</u>	2020212092	2019314085	<u>G01N 3 /-</u>	2021447852	2020250976
2023285831	2021204072	2022370122	2019346041	<u>G01N 29 /-</u>	<u>G01S 7 /-</u>
<u>F16L 1 /-</u>	<u>F24F 6 /-</u>	2023203969	<u>G01N 30 /-</u>	2022412443	2020351883
2019441328	2019377352	2023204204	<u>G01H 3 /-</u>	2023214374	<u>G01V 1 /-</u>
<u>F16L 11 /-</u>	2023237164	2023210583	<u>G01J 3 /-</u>	<u>G01N 33 /-</u>	2022325175
2019408425	2023243420	2023210670	2020281945	2019208099	<u>G01V 3 /-</u>
			2022410329	2019236246	2020347482
					<u>G01V 8 /-</u>
					2023204090
					2023204092

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<u>G01V 9 /-</u>	<u>G06F 16 /-</u>	2022325175 2022412443	2019428370	<u>H01M 6 /-</u>	2023254921
2019360360	2019382307 2019409983 2021467326	<u>G06T 15 /-</u>	<u>G08G 1 /-</u>	2019387113	<u>H02S 10 /-</u>
<u>G02B 1 /-</u>	2022280709 2022360851 2023304530	2024201040	2020229509	<u>H01M 8 /-</u>	2020229509
2019342087		<u>G06T 3 /-</u>	<u>G08G 5 /-</u>	2022419503 2024203128	<u>H02S 20 /-</u>
<u>G02B 27 /-</u>	<u>G06F 18 /-</u>	2023201996	2021430302	<u>H01Q 1 /-</u>	2020229509
2019384075	2021242242	<u>G06T 7 /-</u>	<u>G09B 23 /-</u>	2020262934	<u>H02S 30 /-</u>
<u>G02B 3 /-</u>	<u>G06F 21 /-</u>	2019382307 2020359438 2021242242	2019307937	<u>H01Q 13 /-</u>	<u>H02S 40 /-</u>
2019342087	2018247212 2020303900	2022342001 2023204090 2025200219	2019307937	2020262934	2019383074 2023254921
<u>G02B 5 /-</u>	<u>G06F 3 /-</u>		<u>G10L 19 /-</u>	<u>H01Q 21 /-</u>	<u>H03F 3 /-</u>
2019342087	2023208169	<u>G06T 9 /-</u>	2020299973 2023286019	2020262934	2022362476
<u>G02B 6 /-</u>	<u>G06F 30 /-</u>	2023201996	<u>G16H 10 /-</u>	<u>H01R 13 /-</u>	<u>H03M 7 /-</u>
2022332552 2023278042 2024201040 2025203494	2021204072	<u>G06V 10 /-</u>	2019405685	2022397097	2024278580
<u>G02C 7 /-</u>	<u>G06F 40 /-</u>	2020359438 2025200161 2025200219	<u>G16H 20 /-</u>	<u>H01R 9 /-</u>	<u>H04B 17 /-</u>
2023369036	2018247212 2019409983 2022280709	<u>G06V 20 /-</u>	2019355192	2020256338	2019355968
<u>G03B 21 /-</u>	<u>G06F 8 /-</u>	2025200161 2025200219	<u>G16H 30 /-</u>	<u>H02B 1 /-</u>	<u>H04B 7 /-</u>
2019342087	2023201996	<u>G06V 30 /-</u>	2019405685	2020223027	2019454618 2020292176
<u>G03F 1 /-</u>	<u>G06F 9 /-</u>	2020359438	<u>G16H 50 /-</u>	<u>H02G 3 /-</u>	<u>H04H 60 /-</u>
2022362476	2022412063 2024287241	<u>G06V 40 /-</u>	2019332975 2019405685	2022376128	2024200634
<u>G05B 19 /-</u>	<u>G06K 7 /-</u>	2019382307 2022406037	<u>G21C 3 /-</u>	2019383074	<u>H04K 3 /-</u>
2020337092 2024278297	2020359438	<u>G07C 5 /-</u>	2024201636	<u>H02J 13 /-</u>	2020351883
<u>G05B 23 /-</u>	<u>G06M 11 /-</u>	2020268720	<u>G21D 7 /-</u>	2019331041	<u>H04L 1 /-</u>
2022412443	2022357600	<u>G07F 17 /-</u>	2024201636	<u>H02J 3 /-</u>	2022389947
<u>G05D 1 /-</u>	<u>G06N 10 /-</u>	2020303900 2023219956	<u>G21H 1 /-</u>	2019331041 2021474032	<u>H04L 12 /-</u>
2020250976 2023210609 2024200191	2024203562	<u>G08B 13 /-</u>	2024201636	<u>H02J 7 /-</u>	2021278112 2021379585 2021382793 2023270235
<u>G05F 1 /-</u>	2022280709 2022356758	2023204092 2023248184	<u>H01F 7 /-</u>	2022263786	<u>H04L 41 /-</u>
2019383074	<u>G06N 3 /-</u>	<u>G08B 15 /-</u>	2023266242	<u>H02K 15 /-</u>	2024287241
<u>G05G 1 /-</u>	2021242242	2023204090 2023204092	<u>H01H 89 /-</u>	2020430232	<u>H04L 43 /-</u>
2020279440	<u>G06N 5 /-</u>	<u>G08B 17 /-</u>	2020223027	<u>H02K 3 /-</u>	2024287241
<u>G06F 1 /-</u>	2018247212	2019428370 2024227472	<u>H01J 45 /-</u>	2020430232	<u>H04L 45 /-</u>
2023201340	<u>G06N 7 /-</u>	2019382307 2023214303	<u>H01L 23 /-</u>	2023254921	2021278112
<u>G06F 113 /-</u>	2022356758	<u>G08B 21 /-</u>	2023233149	<u>H02M 5 /-</u>	<u>H04L 5 /-</u>
2021204072	<u>G06Q 30 /-</u>	2019382307 2023214303	<u>H01M 10 /-</u>	2022438340 2023254921	2020292176 2022321849
<u>G06F 13 /-</u>	2022376171	<u>G08B 29 /-</u>	<u>H01M 4 /-</u>	<u>H02M 7 /-</u>	<u>H04L 67 /-</u>
2023270235	<u>G06Q 50 /-</u>		2019387113 2022263786	2022376128 2022438340	2022252873 2024287241

Applications Accepted - IPC Index cont'd

<u>H04L 9 /-</u>	<u>H04W 16 /-</u>	2023233149 2024202221
2018247212 2023202305 2023286345	2020292176	<u>H10K 30 /-</u>
<u>H04M 1 /-</u>	<u>H04W 24 /-</u>	2020274424
2022243303	2022258263 2022328940 2023248152	<u>H10K 39 /-</u>
<u>H04M 3 /-</u>	<u>H04W 4 /-</u>	2020274424
2022321707	2021379585 2022365960	
<u>H04N 11 /-</u>	<u>H04W 52 /-</u>	
2024203985	2020259216 2022321849	
<u>H04N 13 /-</u>	<u>H04W 60 /-</u>	
2019342087	2022381190	
<u>H04N 17 /-</u>	<u>H04W 72 /-</u>	
2022406037	2019454618 2020292176 2020329732 2020349632 2022321849 2022445042 2024201771	
<u>H04N 19 /-</u>	<u>H04W 74 /-</u>	
2019342129 2019350336 2019417996 2020226574 2020239051 2020301234 2023248068 2023248190 2023263426 2023282249 2024201491 2024203190 2024203561	2020329732 2021435427	
<u>H04N 21 /-</u>	<u>H04W 76 /-</u>	
2022376171 2024200634 2024278160	2022321707	
<u>H04N 23 /-</u>	<u>H04W 88 /-</u>	
2022406037	2022389947	
<u>H04N 5 /-</u>	<u>H05B 6 /-</u>	
2024200634	2020242654	
<u>H04N 7 /-</u>	<u>H05K 5 /-</u>	
2019382307	2020256338	
<u>H04S 1 /-</u>	<u>H10F 10 /-</u>	
2021442090	2020274424 2024202221 2024203400	
<u>H04S 7 /-</u>	<u>H10F 19 /-</u>	
2020299973 2021442090	2020229509 2024202221	
<u>H04W 12 /-</u>	<u>H10F 71 /-</u>	
2020259216	2024202221 2024203400	
	<u>H10F 77 /-</u>	
	2023208080 2023216746	

Opposition Proceedings

(The name in parentheses is that of the opponent)

Opposition Lodged

2018256574 **Britax Romer Kindersicherheit GmbH** (Dorel Australia Pty Ltd)

Opposition under Section 104(4) - Lodged

2015355087 **Amgen Inc.** (Jones Tulloch Pty Ltd)

2017436163 **Boral IP Holdings (Australia) Pty Limited** (CEMENT AUSTRALIA PTY LIMITED)

2017436546 **Boral IP Holdings (Australia) Pty Limited** (CEMENT AUSTRALIA PTY LIMITED)

2020260443 **Amgen Inc.** (Jones Tulloch Pty Ltd)

Applications Withdrawn

2023201945 **Kumiai Chemical Industry Co., Ltd.** (Kenso Agcare Pty Ltd)

2023201945 **Kumiai Chemical Industry Co., Ltd.** (Adama Agan Ltd.)

2023201945 **Kumiai Chemical Industry Co., Ltd.** (Yang, D.)

2023201945 **Kumiai Chemical Industry Co., Ltd.** (Nufarm Australia Limited)

2023201945 **Kumiai Chemical Industry Co., Ltd.** (Conquest Crop Protection Pty Ltd)

Patents Granted**Standard Patents**

2017343422	2017360070	2017379853	2017396503
2017398101	2017414703	2018205629	2018205808
2018219593	2018254410	2018266711	2018274964
2018288571	2018289549	2018295994	2018326458
2018340865	2018342094	2018345807	2018346765
2018385894	2018387263	2018388071	2018393063
2018414327	2018425461	2018427211	2018435409
2018436648	2018448012	2019202002	2019204291
2019206425	2019224738	2019226551	2019238310
2019245317	2019245403	2019247787	2019248829
2019253822	2019254379	2019255765	2019256613
2019256795	2019259230	2019262641	2019263293
2019269627	2019269677	2019269973	2019272604
2019276585	2019277064	2019277367	2019281324
2019282630	2019283939	2019284819	2019294617
2019295617	2019297158	2019306021	2019308883
2019310098	2019312139	2019318538	2019319120
2019320082	2019330795	2019344027	2019344922
2019346028	2019346361	2019353531	2019354730
2019356011	2019368742	2019370034	2019370550
2019377162	2019381817	2019385477	2019387166
2019387205	2019387637	2019388008	2019396568
2019401677	2019405915	2019409154	2019425357
2019448063	2019451532	2019455073	2020200249
2020200772	2020201196	2020201632	2020205438
2020206600	2020207237	2020207568	2020207572
2020214494	2020215150	2020215499	2020216456
2020231356	2020231598	2020234058	2020240255
2020242490	2020244753	2020251400	2020252137
2020257183	2020259264	2020264910	2020268374
2020268890	2020271548	2020279435	2020286444

Patents Granted**Standard Patents**

2020294206	2020296094	2020312428	2020312542
2020322457	2020329429	2020338139	2020361337
2020393814	2020482144	2021203836	2021204263
2021213377	2021213421	2021221438	2021250986
2021258330	2021266292	2021305336	2021322280
2021329294	2021330667	2021335275	2021338896
2021351349	2021377628	2021399002	2021405712
2021409688	2021420292	2021431583	2021443789
2021448991	2021449863	2021464197	2021471055
2022201662	2022203560	2022204606	2022204729
2022208128	2022208865	2022208937	2022212455
2022215289	2022221516	2022227534	2022229537
2022231772	2022232691	2022241600	2022243365
2022248740	2022259545	2022259856	2022262731
2022266762	2022267027	2022268345	2022269229
2022271396	2022272560	2022273103	2022275391
2022279366	2022280757	2022283611	2022287583
2022287678	2022290669	2022290742	2022291487
2022291544	2022291578	2022298918	2022316599
2022324260	2022380016	2022382627	2022389899
2022438470	2023200185	2023200237	2023200527
2023200671	2023200765	2023200856	2023201013
2023201332	2023201728	2023201782	2023202115
2023202291	2023202704	2023202973	2023203010
2023203210	2023203427	2023203526	2023203725
2023203760	2023203860	2023204286	2023204306
2023204330	2023204333	2023206127	2023206146
2023208118	2023214218	2023214220	2023214372
2023214420	2023216340	2023216863	2023216884
2023237089	2023237156	2023248196	2023251421
2023266255	2023268997	2023270272	2023285719
2023285753	2023285789	2023285867	2023290030
2023327766	2023379423	2023382013	2024200402
2024204430	2024204688	2024204790	2024204799

Assignments Registered

2013208215 X Development LLC The patent has been assigned to **Taara Connect, Inc.**

2013308390 Element 21 Pty Ltd The patent has been assigned to **Rio Tinto EN21 Op Co Pty Ltd**

2013362874 Element 21 Pty Ltd The patent has been assigned to **Rio Tinto EN21 Op Co Pty Ltd**

2014202208 Total Range Design Pty Ltd The patent has been assigned to **Clear Digital Solutions**

2015223484 X Development LLC The patent has been assigned to **Taara Connect, Inc.**

2015319850 BIORA THERAPEUTICS, INC. The patent has been assigned to **BT BidCo, Inc.**

2017202626 Reyco Granning, LLC The patent has been assigned to **Hendrickson Mt. Vernon, LLC**

2017248115 Vivior AG The patent has been assigned to **Carl Zeiss Vision International GmbH**

2017312662 BIORA THERAPEUTICS, INC. The patent has been assigned to **BT BidCo, Inc.**

2017322324 BIORA THERAPEUTICS, INC. The patent has been assigned to **BT BidCo, Inc.**

2017376801 BIORA THERAPEUTICS, INC. The patent has been assigned to **BT BidCo, Inc.**

Assignments Registered

2017376807 BIORA THERAPEUTICS, INC. The patent has been assigned to **BT BidCo, Inc.**

2017378393 BIORA THERAPEUTICS, INC. The patent has been assigned to **BT BidCo, Inc.**

2017378398 BIORA THERAPEUTICS, INC. The patent has been assigned to **BT BidCo, Inc.**

2018251770 DermTech, Inc. The patent has been assigned to **DermTech, LLC**

2019100832 Piper, Nathan The patent has been assigned to **Clearpro Construction Water Solutions Pty Ltd**

2021323150 Suzhou Road Lianke Technology Co., Ltd The patent has been assigned to **Beijing Sinobang Digital Technology Co., Ltd.**

Licences Registered - Section 187, Reg. 19

(The name in the parentheses is that of the licensee)

2016338977 Snug Solutions Ltd (TALON MANUFACTURING LIMITED)

2021241401 Boston Scientific Scimed, Inc. (FlowMod, Inc.)

Extensions of Term of Standard Patents

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

Applications Filed

The following application(s) for Extension of Term under Section 70 have been made and are open for public inspection.

2007322334 **Ipsen Pharma S.A.S.; Radius Health, Inc.**

The earliest first regulatory approval date provided by the patentee 28 Nov 2024

For the goods ELADYNOS abaloparatide

Applications Accepted

The following application(s) for Extension of Term have been accepted under Section 74.

Notice of opposition under Section 75(1) to the undermentioned application(s) for an extension of term may be filed at the Patent Office within the prescribed time.

2018400751 **Merck Sharp & Dohme LLC**

The earliest first regulatory approval date provided by the patentee 05 Feb 2025

For the goods CAPVAXIVE Pneumococcal

Address for service : Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2021202343 **Novartis AG**

The earliest first regulatory approval date provided by the patentee 16 Jan 2020

For the goods BEOVU brolicizumab

Address for service : Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

Extensions granted

The following application(s) for Extension of Term have been granted under Section 76.

2004308494 **Genentech, Inc.**

The earliest first regulatory approval date provided by the patentee 29 May 2024

Extensions of Term of Standard Patents

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

Extensions granted

For the goods EBGLYSS lebrikizumab

Extension of Term of patent pursuant to Section 77 expires on 23 Dec 2029

2006220829 **Pfizer Products Inc.**

The earliest first regulatory approval date provided by the patentee 23 Jun 2023

For the goods IMJUDO tremelimumab

Extension of Term of patent pursuant to Section 77 expires on 02 Mar 2031

2012332767 **Genentech, Inc.**

The earliest first regulatory approval date provided by the patentee 29 May 2024

For the goods EBGLYSS lebrikizumab

Extension of Term of patent pursuant to Section 77 expires on 30 Oct 2037

2013400609 **BeiGene Switzerland GmbH**

The earliest first regulatory approval date provided by the patentee 30 May 2024

For the goods TEVIMBRA tislelizumab

Extension of Term of patent pursuant to Section 77 expires on 13 Sep 2038

2014318615 **Genentech, Inc.**

The earliest first regulatory approval date provided by the patentee 29 May 2024

For the goods EBGLYSS lebrikizumab

Extension of Term of patent pursuant to Section 77 expires on 29 May 2039

2017378102 **Novo Nordisk A/S**

The earliest first regulatory approval date provided by the patentee 28 Jun 2024

For the goods AWIQLI insulin icodec

Extension of Term of patent pursuant to Section 77 expires on 28 Jun 2039

2018232943 **GENENTECH, INC.**

The earliest first regulatory approval date provided by the patentee 29 May 2024

For the goods EBGLYSS lebrikizumab

Extension of Term of patent pursuant to Section 77 expires on 30 Oct 2037

2020201069 **BeiGene Switzerland GmbH**

The earliest first regulatory approval date provided by the patentee 30 May 2024

For the goods TEVIMBRA tislelizumab

Extension of Term of patent pursuant to Section 77 expires on 13 Sep 2038

Corrigenda

In Vol 59 , No 16 , Page(s) 2249 under the heading **Applications OPI - Name Index** Delete all reference to 2025202058.

Corrigenda

In Vol 59 , No 22 , Page(s) 3093 under the heading **Amendments - Application for Amendments** Under the name Apple Inc., Patent No. 2013225577 correct the date of the statements filed to read 17 Feb 2021, 23 Jun 2021 and 11 Oct 2021

Specifications Republished

The following specifications contained errors when advertised OPI, Accepted or Certified. They have been reissued on the date of this Journal.

2018350372	CSL Limited; Canadian Blood Services
2021282837	InThera Inc.
2021407653	SHANGHAI KECHOW PHARMA, INC
2022488008	MITSUBISHI ELECTRIC CORPORATION
2025202359	Sage Products, LLC
2025202362	Dose Health, LLC
2025202388	Harbour Biomed (Shanghai) Co., Ltd.