



**Australian Government**

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**IP Australia**

**AUSTRALIAN OFFICIAL JOURNAL**

**OF**

**PATENTS**



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**12 June 2025**

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## *General Information*

*For information on the following please see our website [www.ipaustralia.gov.au](http://www.ipaustralia.gov.au)  
or contact our Customer Service Network on 1300651010*

*Editorial enquiries*

*Contact information*

*Freedom of Information ACT*

*Professional Standards Board*

*Sales*

*Requests for Information under Section 194 (c)*

*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).

<p><b>NOTE:</b> When ordering any patent document from us, whether accepted or not, please quote the application/patent number preceded by the appropriate prefix.</p>
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## 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>
<b>A) Provisional applications filed - Name Index</b>		<b>B) Complete application filed - Name Index</b>	
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 No.</u>	<u>ITEM</u>	<u>INID</u> <u>No.</u>
<b>C) Applications open to public inspection Name Index</b>		<b>D) Applications accepted - Name Index</b>	
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>
<b>E) Patents Certified – Name Index</b>	
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)<sub>2</sub>, (51)<sub>3</sub>, (51)<sub>4</sub> and (51)<sub>5</sub>.
- (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

*Krones AG v PepsiCo, Inc.* [2025] APO 17

Patent Application: 2017358895

Title: Ambient filling system and method

Patent Applicant: PepsiCo, Inc.

Opponent: Kronos AG

Delegate: Dr N. R. Madsen – Deputy Commissioner of Patents

Decision Date: 03 June 2025

Hearing Date: 18 March 2025 via video conference

Catchwords: **PATENTS** – section 59 – filling system for carbonated beverages operating at ambient temperature – grounds of novelty, inventive step, clarity, support, clear and complete disclosure, utility – construction of claims – meaning of ‘maintain at an ambient temperature’ – claims not inventive – opposition successful – costs awarded against applicant

Representation: Counsel for the opponent: Benjamin Fitzpatrick  
Patent attorney for the opponent: BOSH IP  
Counsel for the applicant: Clare Cunliffe  
Patent attorney for the applicant: Allens Patent & Trade Mark Attorneys

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 27 May 2025 .

(71) Action Steel Pty Ltd (21) 2025902144 (22) 30.05.2025 (54) Grain storage shed	(71) Balasooriya Mudiyansele, J.K.B.; Rajapakse, J.; Gallage, C.; Queensland University of Technology (QUT) (21) 2025902143 (22) 30.05.2025 (54) KJ25 EcoPellets – INNOVATIVE CLAY-BASED COMPOSITE FILTER MEDIA ENGINEERED FOR ENHANCED IRON AND MANGANESE REMOVAL IN DRINKING WATER	(71) Bioactive Solutions Pty Ltd (21) 2025902087 (22) 28.05.2025 (54) ANTHELMINTIC COMPOUNDS AND METHODS OF MANUFACTURE AND THERAPEUTIC USE
AgriSapiens Pty Ltd see Qingdao Agricultural University (21) 2025902125	(71) BALLANCE AGRI-NUTRIENTS LIMITED; MICHAEL CORBETT (21) 2025902138 (22) 30.05.2025 (54) FERTILISER PRODUCT AND MANUFACTURE	(71) Biocell Corporation Limited (21) 2025902153 (22) 30.05.2025 (54) METHOD OF IMPROVING THE UTILIZATION OF N-FERTILIZER
(71) Akot, R. (21) 2025902160 (22) 31.05.2025 (54) Electronic Vehicle Plate Display System with Switchable Learner and Probationary Status via LED and App Integration	(71) Banks, J. (21) 2025902052 (22) 26.05.2025 (54) Automated Fuel Delivery Application for Service Stations	(71) Biocell Corporation Limited (21) 2025902154 (22) 30.05.2025 (54) BIOFERTILIZER
(71) Albert Donald Grant Pty. Ltd. (21) 2025902109 (22) 29.05.2025 (54) Pallet	(71) Barrel Rejuvenation Services Pty Ltd (21) 2025902093 (22) 28.05.2025 (54) TIMBER BARREL SEASONING METHOD AND APPARATUS	(71) BOSS Products (Australia) Pty Ltd (21) 2025902149 (22) 30.05.2025 (54) Passive Fire Protection Device
(71) Albert Donald Grant Pty. Ltd. (21) 2025902110 (22) 29.05.2025 (54) Pallet	(71) Bartlett, K.; dawes, t. (21) 2025902178 (22) 02.06.2025 (54) Re-born Silica	(71) Braun, M. (21) 2025902102 (22) 28.05.2025 (54) Photopolymerizable Hydroxyapatite-Based Whitening Composition
(71) Alder, R. (21) 2025902049 (22) 26.05.2025 (54) METHOD AND MEDIUM FOR TREATING WINE	(71) Beyond Automation Pty Ltd (21) 2025902116 (22) 29.05.2025 (54) EV ADAPTOR DEVICE FOR CHARGING MICROMOBILITY VEHICLES	(71) Brazil, N. (21) 2025902097 (22) 28.05.2025 (54) Bed Temperature Regulating System
(71) Arber, V. (21) 2025902163 (22) 31.05.2025 (54) Foil Holding Hair Clip	(71) Bhandari, A. (21) 2025902166 (22) 31.05.2025 (54) Location Sharing Navigation System for Group Travel	(71) Buist, J. (21) 2025902056 (22) 26.05.2025 (54) BU1ST Modular AI Quoting Platform
(71) Ayonz Pty Limited (21) 2025902081 (22) 28.05.2025 (54) Improvements in air fryers		(71) CAMPBELL, T. (21) 2025902192 (22) 02.06.2025 (54) SLIMLINE IMPROVED PAINT BRUSH CLEANING DEVICE
		(71) Cane, G. (21) 2025902198 (22) 03.06.2025 (54) "System and Method for Autonomous AI Model Orchestration Using Symbolic Pointer Mapping and Dynamic Optimiz-

Provisional Applications Filed - Name Index cont'd

ation for Scalable, Low-Latency Multi-Model Operations"

**Caughley, M. see Caughley, M.J.T.**  
(21) 2025902169

(71) Caughley, M.J.T.; Caughley, M.  
(21) 2025902169 (22) 31.05.2025  
(54) Retractable water-proof sunshade and lighting system for pontoons (jetties)

(71) Ceva Animal Health Pty Ltd  
(21) 2025902128 (22) 30.05.2025  
(54) Treatment for Mares

(71) Chaban, A.  
(21) 2025902172 (22) 01.06.2025  
(54) Mobile Fuel an energy delivery on demand

(71) Coastal Plastics Recovery Pty Ltd  
(21) 2025902096 (22) 28.05.2025  
(54) Method and Apparatus for Forming a Building Brick

(71) Commonwealth Scientific and Industrial Research Organisation  
(21) 2025902080 (22) 28.05.2025  
(54) PRODUCTION OF A BILLET USING COLD SPRAY

(71) Commonwealth Scientific and Industrial Research Organisation  
(21) 2025902182 (22) 02.06.2025  
(54) X-RAY DIFFRACTION CHAMBER

(71) Cox, A.  
(21) 2025902135 (22) 30.05.2025  
(54) DATA COMMUNICATIONS NETWORK AND METHOD FOR ENCOURAGING SOCIAL MEDIA INTERACTION

(71) Cush, A.  
(21) 2025902145 (22) 30.05.2025  
(54) NapkinBag – A biodegradable, food-safe takeaway bag composed entirely of absorbent, napkin-grade material, functioning both as packaging and as a napkin.

(71) d'Almeida, S.  
(21) 2025902157 (22) 30.05.2025  
(54) VIIRTOARK: FLOATING MULTIMODAL INFRASTRUCTURE NODE

(71) d'Almeida, S.  
(21) 2025902158 (22) 30.05.2025  
(54) VIIRTOSPIRE: VERTICAL RENEWABLE ENERGY TOWER SYSTEM

(71) d'Almeida, S.  
(21) 2025902159 (22) 31.05.2025  
(54) VIIRTOCELL + LCCS: DISTRIBUTED URBAN MICRO-NODE DELIVERY + CONTINUOUS CITYWIDE TRANSFER SYSTEM

(71) Davis, M.  
(21) 2025902105 (22) 29.05.2025  
(54) A WALL MIXER ASSEMBLY

**dawes, t. see Bartlett, K.**  
(21) 2025902178

(71) Earthling 3 0 Pty Ltd  
(21) 2025902129 (22) 30.05.2025  
(54) Portable Personal Grounding Apparatus

(71) Edwards, M.; Lennon, M.  
(21) 2025902079 (22) 28.05.2025  
(54) DOT ReplicaNFT System

(71) Electralith Pty Ltd  
(21) 2025902190 (22) 02.06.2025  
(54) Methods for processing aqueous solutions containing lithium

(71) Electralith Pty Ltd  
(21) 2025902191 (22) 02.06.2025  
(54) Method and system for energy efficient processing of aqueous solutions containing lithium

(71) Electric Air Shipping Pty Ltd  
(21) 2025902069 (22) 27.05.2025  
(54) An Airship

(71) ESFAM Biotech Pty Ltd  
(21) 2025902131 (22) 30.05.2025  
(54) Method of treatment

(71) Farhat, H.  
(21) 2025902162 (22) 31.05.2025  
(54) AI-Assisted System and Method for Generating Customised Quotations for Aluminium Windows and Doors Based on Dynamic Square Metre Pricing

(71) Ferns, K.  
(21) 2025902101 (22) 28.05.2025  
(54) Heated, Foldable Windscreens Sun Shade with Integrated Battery and Wireless Control

(71) Fortescue Ltd  
(21) 2025902156 (22) 30.05.2025  
(54) Vessel safety system

**Gallage, C. see Balasooriya Mudiyanse-  
age, J.K.B.**  
(21) 2025902143

(71) GenX Energy Pty Ltd  
(21) 2025902150 (22) 30.05.2025  
(54) SEMICONDUCTOR LAYERS FOR HIGH ENERGY VOLTAIC DEVICES

(71) Geobotica Survey Pty Ltd  
(21) 2025902106 (22) 29.05.2025  
(54) SYSTEM AND METHOD FOR GENERATING SPATIALLY REFERENCED 360° UNDERGROUND MAPS WITH INTEGRATED LIGHTING AND SLAM

**Gilbert, H. see Gilbert, N.**  
(21) 2025902161

**Gilbert, H. see Gilbert, N.**  
(21) 2025902161

(71) Gilbert, N.; Gilbert, H.; Gilbert, H.  
(21) 2025902161 (22) 31.05.2025  
(54) Topographical Optical Pixelation Transformation System This invention relates to analog optical systems and visual system's that transforms 2D still or dynamic visual or electromagnetic optical information into a 2D flat pixelated, 3D pixelated, or dynamic 3D pixelated representation. SUMMARY OF THE INVENTION: The invention comprises a matrix of modular optical cells or tubes —constructed from any light-reactive material

(71) Griffith University  
(21) 2025902147 (22) 30.05.2025  
(54) Processing digital cervical auscultation data

(71) Griffith University  
(21) 2025902155 (22) 30.05.2025  
(54) A Nucleic Acid Vaccine

(71) Grigoruta, D.  
(21) 2025902082 (22) 28.05.2025  
(54) Title: Podgy Holder -Industrial field It's a holding stand designed to hold all the necessary equipment to undertake rigging services, when working in a Boom Lift (EWP) . It's a simple design with two nuts welded to the back of an shs and two bolts at the back that thread through to hold it firm into place. Usually a rigger would be wearing a belt or place their tools anywhere in the boom, which is very inconvenient.

Provisional Applications Filed - Name Index cont'd

(71) Hadfield, I.  
(21) 2025902113 (22) 29.05.2025  
(54) One-way panel

(71) Haye, L.  
(21) 2025902058 (22) 26.05.2025  
(54) Relativistic Buoyancy Field Theory (RBFT) - A System and Method for Manipulating Gravitational Curvature via Ripple Field Compression

(71) Inventive 8 Pty Ltd  
(21) 2025902195 (22) 02.06.2025  
(54) LADDER SUPPORT DEVICE

(71) Jinna, K.  
(21) 2025902092 (22) 28.05.2025  
(54) A first-of-its-kind AI + AR-Enabled Beauty Tech Platform Transforming Mirrors into Intelligent, Revenue-Generating Experiences

(71) Kirwan, D.  
(21) 2025902090 (22) 28.05.2025  
(54) Anteriorly Tilted Stem Extension for Revision Hip Arthroplasty

(71) KMS ENGINEERING (PRIVATE) LIMITED  
(21) 2025902152 (22) 30.05.2025  
(54) COMPACT BIO-REFINERY PROCESS FOR PRODUCING FDCA-BASED BIOPOLYMER FROM WASTE BIOMASS FEEDSTOCK

(71) Kordos, N.  
(21) 2025902183 (22) 02.06.2025  
(54) System and Method for Generating Individualised Learning Activities from Professional Reports Using AI

(71) Labelmakers Group Pty Ltd  
(21) 2025902098 (22) 28.05.2025  
(54) A REUSABLE CORE

(71) Lekkas, D.  
(21) 2025902099 (22) 28.05.2025  
(54) MULTILAYER FILM

**Lennon, M. see Edwards, M.**  
(21) 2025902079

(71) Little, A.  
(21) 2025902140 (22) 30.05.2025  
(54) Syra-ARCSET electric motor/generator.

(71) Lock Block Pty Ltd  
(21) 2025902114 (22) 29.05.2025  
(54) Lockout Prevention for an Electrical Isolator

(71) LOTUS FOLDING WALLS AND DOORS PTY LTD  
(21) 2025902112 (22) 29.05.2025  
(54) GAPLESS 360-DEGREE HINGE

(71) LTR Pharma Limited  
(21) 2025902084 (22) 28.05.2025  
(54) Formulation and method of manufacture

(71) Macquarie University  
(21) 2025902186 (22) 02.06.2025  
(54) Ion selective coating

(71) Maltzahn, J.  
(21) 2025902108 (22) 29.05.2025  
(54) AN IMPROVED VACUUM ERECTILE DEVICE FOR TREATING ERECTILE DYSFUNCTION

(71) Manuel, J.  
(21) 2025902180 (22) 02.06.2025  
(54) Dynamic Probability-Based Crane Control and Assistive Guidance System

(71) Manuel, J.  
(21) 2025902207 (22) 03.06.2025  
(54) Dynamic Probability-Volume Crane Control with Adaptive Safety Modules.

(71) Marenav Pty Ltd  
(21) 2025902086 (22) 28.05.2025  
(54) Shock mounted electrical control boards

(71) McDowall, A.  
(21) 2025902132 (22) 30.05.2025  
(54) Lifting Configuration Assistance System and Method

(71) McKenna, J.  
(21) 2025902179 (22) 02.06.2025  
(54) Methods and Systems for AI-Driven Audio Sleep Modulation

(71) McManus, J.  
(21) 2025902051 (22) 26.05.2025  
(54) "Wearable Smartwatch with Integrated Non-Contact Voltage Detection"

**Melanoma Institute Australia see The University of Sydney**  
(21) 2025902151

(71) MENGEL, J.  
(21) 2025902088 (22) 28.05.2025  
(54) automated analysis and control for audio hardware in live audio venues

(71) Merthin PTY LTD  
(21) 2025902193 (22) 02.06.2025  
(54) Method and Device for Real-Time Detection of Physiological and Kinematic Events

**MICHAEL CORBETT see BALLANCE AGRI-NUTRIENTS LIMITED**  
(21) 2025902138

(71) Miles, S.  
(21) 2025902188 (22) 02.06.2025  
(54) A Motor Vehicle Accessory

(71) MINDSETS LEARNING, INC.  
(21) 2025902115 (22) 29.05.2025  
(54) A SYSTEM, METHOD AND ALGORITHMS FOR EDUCATION PROVIDERS, TECHNOLOGY PROVIDERS, K12 SCHOOL DISTRICTS AND FAMILIES TO ASSESS, MEASURE AND VISUALIZE STUDENTS CRITICAL THINKING SKILLS AND FUTURE READY SKILLS BASED ON STATE EDUCATIONAL STANDARDS, RESEARCH BASED BENCHMARKS AND INDUSTRY BASED BENCHMARKS AND APPROACHES, INCLUDING THOSE FOR MEASURING COGNITIVE AND BEHAVIOURAL CAREER READY / POWER SKILLS, IN ORDER TO IMPROVE LEARNING OUTCOMES, AND PORTRAIT OF A GRADUATE OUTCOMES.

(71) Moore, S.  
(21) 2025902103 (22) 28.05.2025  
(54) Modular Needle-Based Stamping System for Physical Encoding of Unique Identifiers onto Recyclable Materials

(71) Moore, S.  
(21) 2025902104 (22) 28.05.2025  
(54) Modular Needle-Based Stamping System for Physical Encoding of Unique Identifiers onto Recyclable Materials

(71) Moore, S.  
(21) 2025902123 (22) 29.05.2025  
(54) Offline Object Authentication via Spatial Analysis of Repetitive Physical Imprints

(71) Morris, A.  
(21) 2025902214 (22) 03.06.2025  
(54) Isometric force Measurement Apparatus for Multi-Configuration Strength Assessment

Provisional Applications Filed - Name Index cont'd

(71) MORSE MICRO PTY. LTD.  
(21) 2025902111 (22) 29.05.2025  
(54) MQTT Keep alive offloading methods and wireless devices

(71) MORSE MICRO PTY. LTD.  
(21) 2025902126 (22) 30.05.2025  
(54) Brown Out Detectors

**Move Engineering Group see Spark, I.**  
(21) 2025902174

(71) MTJ & Associates Pty Ltd  
(21) 2025902085 (22) 28.05.2025  
(54) Integrated Hydrometallurgical Process for Lithium-Ion Battery Recycling with Closed-Loop Reagent Regeneration and Lithium Metal Anode Production

(71) Mucket  
(21) 2025902122 (22) 29.05.2025  
(54) The Mucket

(71) Murphy, C.  
(21) 2025902127 (22) 30.05.2025  
(54) Breastmilk Analysis System Using a Microfluidic Biosensor for Detection of Metabolic, Immune, and Lifestyle Analytes

(71) Murphy, C.  
(21) 2025902175 (22) 02.06.2025  
(54) Sample coordination

(71) Myriota Pty Ltd  
(21) 2025902133 (22) 30.05.2025  
(54) SYSTEM AND METHOD FOR ENHANCED COMMUNICATION

(71) Neurogen Global Pty Ltd  
(21) 2025902120 (22) 29.05.2025  
(54) Method of producing neural microtissue

(71) NEW AUZI RESEARCH PTY LTD  
(21) 2025902177 (22) 02.06.2025  
(54) A solar heated pool fence system

(71) NewSouth Innovations Pty Limited  
(21) 2025902094 (22) 28.05.2025  
(54) 2D NANOCOMPOSITE FILMS FOR ACOUSTIC INSULATION

(71) Old, P.  
(21) 2025902185 (22) 02.06.2025  
(54) Backyard Footy Marking Trainer

(71) Paget, N.  
(21) 2025902095 (22) 28.05.2025  
(54) Resonance Pendant: A Biofeedback-Based Consciousness Alignment Device

(71) PARKWOOD PRODUCTS LIMITED  
(21) 2025902107 (22) 29.05.2025  
(54) IMPROVEMENTS IN INSULATED METAL DOORS

(71) PVC Separation Holdings Pty Ltd  
(21) 2025902205 (22) 03.06.2025  
(54) SEPARATION OF POLYMERS

(71) Qingdao Agricultural University; AgriSapiens Pty Ltd  
(21) 2025902125 (22) 30.05.2025  
(54) Genomic prediction method

(71) QTEQ IQ Pty Ltd  
(21) 2025902072 (22) 27.05.2025  
(54) Modular electrically-insulating tubing centralizer and umbilical protector

**Queensland University of Technology (QUT) see Balasooriya Mudiyansele, J.K.B.**  
(21) 2025902143

**Rajakapse, J. see Balasooriya Mudiyansele, J.K.B.**  
(21) 2025902143

(71) Ranasinghe, A.  
(21) 2025902173 (22) 01.06.2025  
(54) Universal Reusable Cap and Seal System for Bottled Beverages and Containers

(71) RAW CIVIL & CONTRACTING PTY LTD  
(21) 2025902075 (22) 27.05.2025  
(54) In-Situ Wet Cropping Tool for Foundation Pile Height Adjustment

(71) RAYGEN RESOURCES PTY LTD  
(21) 2025902071 (22) 27.05.2025  
(54) PRODUCING HIGH GRADE STEAM USING HEAT FROM A SOLAR ENERGY PHOTOVOLTAIC CELL SYSTEM

(71) RMIT University  
(21) 2025902189 (22) 02.06.2025  
(54) Lipid Nanoparticles for delivery of aptamers

(71) Roby, S.  
(21) 2025902170 (22) 31.05.2025  
(54) Tenka Edge Solo: Voice-First Studio-Aware AI Hardware Assistant

(71) Royal Melbourne Institute of Technology  
(21) 2025902148 (22) 30.05.2025  
(54) Lipid nanoparticles

(71) SALARZADEH, M.  
(21) 2025902168 (22) 31.05.2025  
(54) Core-Store Disposable Cutlery

(71) salloum, r.  
(21) 2025902196 (22) 02.06.2025  
(54) "Retractable Christmas Tree with Built-In Lights and Audio"

(71) Sammut, N.  
(21) 2025902164 (22) 31.05.2025  
(54) Transport management software that integrates fully automated contractor onboarding and compliance, automated customer onboarding, automated pick up, delivery, delay and status notifications, real time customer tracking, instant invoicing. The system also connects customers directly to a network of contractors, bypassing the traditional transport broker. This results in cheaper pricing for the consumer and fair pricing for the contractor. Contractors will pay monthly subscription to use the service, and have access to a pool of jobs, this will be known as the "job float" section.

(71) SENSE2 PTY LTD  
(21) 2025902060 (22) 26.05.2025  
(54) THREE-DIMENSIONAL NEUROMORPHIC-PHOTONIC INTEGRATED CIRCUIT WITH ULTRA-LOW-DRIFT PHASE-CHANGE SYNAPTIC WEIGHTS AND MONOLITHICALLY-INTEGRATED SOLITON FREQUENCY-COMB SOURCE

(71) SKYPORTZ (AUSTRALIA) PTY LTD  
(21) 2025902117 (22) 29.05.2025  
(54) Vertiport for a flying vehicle

(71) Solomon, K.  
(21) 2025902184 (22) 02.06.2025  
(54) Hydrodynamic cavitation based snow making machine

(71) SONICPELLER PTY LTD  
(21) 2025902197 (22) 03.06.2025  
(54) Filtration system and method

Provisional Applications Filed - Name Index cont'd

(71) Spark, I.; Move Engineering Group  
(21) 2025902174 (22) 01.06.2025  
(54) Improved Road Train

(71) Staff, C.  
(21) 2025902206 (22) 03.06.2025  
(54) Heavy Vehicle Anti-Fatigue Driver Seat System

(71) Subsidia Pty Ltd  
(21) 2025902200 (22) 03.06.2025  
(54) Improved waste collection system

(71) SULLIVAN, M.  
(21) 2025902165 (22) 31.05.2025  
(54) Bio intelligent, Non-Hormonal Dissolvable Vaginal Contraceptive Disc

(71) Sustainable Concrete Group  
(21) 2025902139 (22) 30.05.2025  
(54) The Mobile G2S Acoustic Reactor is a containerised, trailer-mounted system that transforms waste glass into high-performance engineered sand on-site using acoustic energy and air separation—dramatically reducing embodied carbon by eliminating the logistics emissions tied to traditional, centralised glass recycling.

(71) Sutton, B.  
(21) 2025902181 (22) 02.06.2025  
(54) An Orthotic Device with Dynamic Shell Portion for Supporting Foot Motion

**Sydney Local Health District see The University of Sydney**  
(21) 2025902151

(71) terranova, y.  
(21) 2025902137 (22) 30.05.2025  
(54) 2-1 Hairbrush with Built-In Serum Dispenser and Protective Cover

(71) THE TRUSTEE FOR THE KOZZIE TRUST  
(21) 2025902194 (22) 02.06.2025  
(54) System for generating power through the use of soaring unmanned aerial vehicles

(71) The University of Adelaide  
(21) 2025902136 (22) 30.05.2025  
(54) MICROFLUIDIC DEVICE AND METHOD FOR NANOPARTICLE SYNTHESIS

(71) The University of Queensland  
(21) 2025902089 (22) 28.05.2025  
(54) Protein-polysaccharide complexes

(71) The University of Queensland  
(21) 2025902121 (22) 29.05.2025  
(54) Diagnostic signature

(71) The University of Queensland  
(21) 2025902146 (22) 30.05.2025  
(54) Methods of Treating Rheumatoid Arthritis

(71) The University of Sydney  
(21) 2025902119 (22) 29.05.2025  
(54) Novel hydrogels

(71) The University of Sydney; Sydney Local Health District; Melanoma Institute Australia  
(21) 2025902151 (22) 30.05.2025  
(54) Prognostic and predictive assays for skin cancer

(71) TM BIO INNOVATION PTY LTD  
(21) 2025902208 (22) 03.06.2025  
(54) Surgical implant for soft tissue to bone repair

(71) Todd, I.  
(21) 2025902176 (22) 02.06.2025  
(54) A decision-making system utilizing stochastic resonance in networks of coupled oscillators, wherein continuous coupling fields carry sub-bit information (mutual information  $\geq 1$  bit) to probabilistically bias oscillator outputs without deterministic control. The system operates by maintaining field-to-oscillator mutual information between 0 and 1 bit, enabling decision emergence through collective dynamics rather than discrete state transitions. This sub-bit operation mechanism potentially enables thermodynamic efficiency below the Landauer limit for conventional bit-based computation.

(71) Tuncks, R.  
(21) 2025902054 (22) 26.05.2025  
(54) System and Method for Structured Truth Verification, Claim Decomposition, and Knowledge Refinement Using Bayesian and Weighted Scoring Algorithms with Human-AI Oversight

(71) Tuncks, R.  
(21) 2025902083 (22) 28.05.2025  
(54) Fluffy: A Logic-Based AI Firewall for Reasoning Validation and Structured Inference Auditing

(71) VERTI GROUP PTY LTD  
(21) 2025902187 (22) 02.06.2025  
(54) FENCING SYSTEM

(71) Vickers-Thomas, K.  
(21) 2025902118 (22) 29.05.2025  
(54) MULTI-FUNCTION EXERCISE GLOVE

(71) Villani Health Pty Ltd  
(21) 2025902201 (22) 03.06.2025  
(54) A WEARABLE DEVICE

(71) WEIR MINERALS AUSTRALIA LTD  
(21) 2025902202 (22) 03.06.2025  
(54) EXCITER

(71) Williams, J.E.  
(21) 2025902203 (22) 03.06.2025  
(54) Vault based access and communication framework

(71) Wimble, K.  
(21) 2025902130 (22) 30.05.2025  
(54) Vehicle Security System

(71) Yoo, J.K.  
(21) 2025902124 (22) 29.05.2025  
(54) Modular backpack with interlocking brick compatible panel

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2025902049	Alder, R.	2025902138	BALLANCE AGRI-NUTRIENTS LIMITED; MICHAEL CORBETT
2025902051	McManus, J.	2025902139	Sustainable Concrete Group
2025902052	Banks, J.	2025902140	Little, A.
2025902054	Tuncks, R.	2025902143	Balasoorya Mudiyansele, J.K.B.; Rajapakse, J.; Gallage, C.; Queensland University of Technology (QUT)
2025902056	Buist, J.	2025902144	Action Steel Pty Ltd
2025902058	Haye, L.	2025902145	Cush, A.
2025902060	SENSE2 PTY LTD	2025902146	The University of Queensland
2025902069	Electric Air Shipping Pty Ltd	2025902147	Griffith University
2025902071	RAYGEN RESOURCES PTY LTD	2025902148	Royal Melbourne Institute of Technology
2025902072	QTEQ IQ Pty Ltd	2025902149	BOSS Products (Australia) Pty Ltd
2025902075	RAW CIVIL & CONTRACTING PTY LTD	2025902150	GenX Energy Pty Ltd
2025902079	Edwards, M.; Lennon, M.	2025902151	The University of Sydney; Sydney Local Health District; Melanoma Institute Australia
2025902080	Commonwealth Scientific and Industrial Research Organisation	2025902152	KMS ENGINEERING (PRIVATE) LIMITED
2025902081	Ayonz Pty Limited	2025902153	Biocell Corporation Limited
2025902082	Grigoruta, D.	2025902154	Biocell Corporation Limited
2025902083	Tuncks, R.	2025902155	Griffith University
2025902084	LTR Pharma Limited	2025902156	Fortescue Ltd
2025902085	MTJ & Associates Pty Ltd	2025902157	d'Almeida, S.
2025902086	Marenav Pty Ltd	2025902158	d'Almeida, S.
2025902087	Bioactive Solutions Pty Ltd	2025902159	d'Almeida, S.
2025902088	MENGEL, J.	2025902160	Akot, R.
2025902089	The University of Queensland	2025902161	Gilbert, N.; Gilbert, H.; Gilbert, H.
2025902090	Kirwan, D.	2025902162	Farhat, H.
2025902092	Jinna, K.	2025902163	Arber, V.
2025902093	Barrel Rejuvenation Services Pty Ltd	2025902164	Sammur, N.
2025902094	NewSouth Innovations Pty Limited	2025902165	SULLIVAN, M.
2025902095	Paget, N.	2025902166	Bhandari, A.
2025902096	Coastal Plastics Recovery Pty Ltd	2025902168	SALARZADEH, M.
2025902097	Brazil, N.	2025902169	Caughley, M.J.T.; Caughley, M.
2025902098	Labelmakers Group Pty Ltd	2025902170	Roby, S.
2025902099	Lekkas, D.	2025902172	Chaban, A.
2025902101	Ferns, K.	2025902173	Ranasinghe, A.
2025902102	Braun, M.	2025902174	Spark, I.; Move Engineering Group
2025902103	Moore, S.	2025902175	Murphy, C.
2025902104	Moore, S.	2025902176	Todd, I.
2025902105	Davis, M.	2025902177	NEW AUZI RESEARCH PTY LTD
2025902106	Geobotica Survey Pty Ltd	2025902178	Bartlett, K.; dawes, t.
2025902107	PARKWOOD PRODUCTS LIMITED	2025902179	Mckenna, J.
2025902108	Maltzahn, J.	2025902180	Manuel, J.
2025902109	Albert Donald Grant Pty. Ltd.	2025902181	Sutton, B.
2025902110	Albert Donald Grant Pty. Ltd.	2025902182	Commonwealth Scientific and Industrial Research Organisation
2025902111	MORSE MICRO PTY. LTD.	2025902183	Kordos, N.
2025902112	LOTUS FOLDING WALLS AND DOORS PTY LTD	2025902184	Solomon, K.
2025902113	Hadfield, I.	2025902185	Old, P.
2025902114	Lock Block Pty Ltd	2025902186	Macquarie University
2025902115	MINDSETS LEARNING, INC.	2025902187	VERTI GROUP PTY LTD
2025902116	Beyond Automation Pty Ltd	2025902188	Miles, S.
2025902117	SKYPORTZ (AUSTRALIA) PTY LTD	2025902189	RMIT University
2025902118	Vickers-Thomas, K.	2025902190	Electralith Pty Ltd
2025902119	The University of Sydney	2025902191	Electralith Pty Ltd
2025902120	Neurogen Global Pty Ltd	2025902192	CAMPBELL, T.
2025902121	The University of Queensland	2025902193	Merthin PTY LTD
2025902122	Mucket	2025902194	THE TRUSTEE FOR THE KOZZIE TRUST
2025902123	Moore, S.	2025902195	Inventive 8 Pty Ltd
2025902124	Yoo, J.K.	2025902196	salloum, r.
2025902125	Qingdao Agricultural University; AgriSapiens Pty Ltd	2025902197	SONICPELLER PTY LTD
2025902126	MORSE MICRO PTY. LTD.	2025902198	Cane, G.
2025902127	Murphy, C.	2025902200	Subsidia Pty Ltd
2025902128	Ceva Animal Health Pty Ltd	2025902201	Villani Health Pty Ltd
2025902129	Earthling 3 0 Pty Ltd	2025902202	WEIR MINERALS AUSTRALIA LTD
2025902130	Wimble, K.	2025902203	Williams, J.E.
2025902131	ESFAM Biotech Pty Ltd	2025902205	PVC Separation Holdings Pty Ltd
2025902132	McDowall, A.	2025902206	Staff, C.
2025902133	Myriota Pty Ltd		
2025902135	Cox, A.		
2025902136	The University of Adelaide		
2025902137	terranova, y.		

Provisional Applications Filed - Numerical Index cont'd

2025902207 Manuel, J.  
2025902208 TM BIO INNOVATION PTY LTD  
2025902214 Morris, A.

**Complete Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 27 May 2025 .

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

<hr/> <p>(71) 247Solar, Inc. (21) 2025204006 (22) 29.05.2025 (54) CONCENTRATED SOLAR ENERGY COLLECTION, THERMAL STORAGE, AND POWERGENERATION SYSTEMS AND METHODS WITH OPTIONAL SUPPLEMENTAL FUEL PRODUCTION</p> <hr/> <p>(71) AbbVie Inc. (21) 2025204009 (22) 29.05.2025 (54) Anti-EGFR antibodies and antibody drug conjugates</p> <hr/> <p>(71) Abodo Wood Limited; Olthuis, D.; Gudsell, D.; Campbell, B. (21) 2025203983 (22) 28.05.2025 (54) A METHOD OF ENHANCING THE FIRE RESISTANCE OF WOOD</p> <hr/> <p>(71) ACCESS CLOSURE, INC. (21) 2025204015 (22) 29.05.2025 (54) Apparatus and methods for sealing a vascular puncture</p> <hr/> <p>(71) Adocia (21) 2025203948 (22) 27.05.2025 (54) Compositions in the form of an injectable aqueous solution comprising at least human insulin A2IG and a prandial action glucagon suppressor</p> <hr/> <p>(71) AIPER GLOBAL PTE. LTD. (21) 2025204129 (22) 03.06.2025 (54) POOL CLEANING DEVICE AND ITS CONTROLLING METHOD</p> <hr/> <p>(71) Alahmed, A. (21) 2025204035 (22) 30.05.2025 (54) Canopy-based outdoor cooling system</p> <hr/> <p>(71) Alcon Inc. (21) 2025204070 (22) 30.05.2025 (54) SYSTEMS AND METHODS FOR INTRAOCULAR LENS SELECTION</p> <hr/> <p>(71) Aldous, S. (21) 2025203964 (22) 28.05.2025 (54) BICYCLE CARRIER RACK</p> <hr/>	<p>(71) Alzheon, Inc. (21) 2025204068 (22) 30.05.2025 (54) SULFOPROPANOIC ACID DERIVATIVES FOR TREATING NEURODEGENERATIVE DISORDERS</p> <hr/> <p>(71) Ambient Photonics, Inc. (21) 2025204024 (22) 29.05.2025 (54) SOLAR CELL DYES FOR COPPER REDOX BASED DYE SENSITIZED SOLAR CELLS AND COMBINATIONS THEREOF</p> <hr/> <p>(71) Amgen Inc.; Cytokinetics, Inc. (21) 2025204014 (22) 29.05.2025 (54) Salts and crystal forms of omecamtiv mecarbil</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2025203934 (22) 27.05.2025 (54) Game management system</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2025204080 (22) 01.06.2025 (54) FRAUD DETECTION SYSTEM IN CASINO</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2025204131 (22) 03.06.2025 (54) FRAUD DETECTION SYSTEM IN CASINO</p> <hr/> <p>(71) ARCHER AVIATION, INC. (21) 2025203931 (22) 27.05.2025 (54) VERTICAL TAKE-OFF AND LANDING AIRCRAFT</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2025203981 (22) 28.05.2025 (54) SYSTEMS AND METHODS FOR INCREMENTALLY INCREASING A TIERED PLURALITY OF PROGRESSIVE JACKPOTS</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2025204046 (22) 30.05.2025 (54) A GAMING SYSTEM</p> <hr/>	<p>(71) Aristocrat Technologies Australia Pty Limited (21) 2025204048 (22) 30.05.2025 (54) A GAMING DEVICE</p> <hr/> <p>(71) ARRAY TECHNOLOGIES, INC. (21) 2025203976 (22) 28.05.2025 (54) SNAP-LOCK PHOTOVOLTAIC MODULE MOUNTING SYSTEM</p> <hr/> <p>(71) ArvinMeritor Technology, LLC (21) 2025204022 (22) 29.05.2025 (54) Apparatus and methods for determining candidate objects</p> <hr/> <p>(71) Ascendis Pharma A/S (21) 2025203953 (22) 27.05.2025 (54) Conjugates</p> <hr/> <p>(71) Ascendis Pharma A/S (21) 2025203974 (22) 28.05.2025 (54) Front loaded auto injector for administering a medicament</p> <hr/> <p>(71) Ashfak, S. (21) 2025203968 (22) 28.05.2025 (54) String Converter</p> <hr/> <p>(71) ASSA ABLOY New Zealand Limited (21) 2025203978 (22) 28.05.2025 (54) WINDOW STAY</p> <hr/> <p>(71) ASSA ABLOY New Zealand Limited (21) 2025203984 (22) 28.05.2025 (54) LOCK ASSEMBLY FURNITURE</p> <hr/> <p>(71) Avalyn Pharma Inc. (21) 2025204085 (22) 02.06.2025 (54) Specially formulated compositions of inhaled nintedanib and nintedanib salts</p> <hr/> <p>(71) Aviana Molecular Technologies, LLC (21) 2025204091 (22) 02.06.2025 (54) Methods and apparatus for interfacing sensors with fluid materials</p> <hr/> <p>(71) Bayer Healthcare LLC (21) 2025203946 (22) 27.05.2025 (54) System and Method for Syringe Fluid Fill Verification and Image Recognition of Power Injector System Features</p> <hr/>
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Complete Applications Filed - Name Index cont'd

(71) BAZ BIOMEDIC CO., LTD.  
 (21) 2025203993 (22) 28.05.2025  
 (54) NEEDLELESS SYRINGE SYSTEM HAVING ADJUSTABLE DRUG INJECTION ATTRIBUTES

(71) Beta Biofuel Solutions, LLC  
 (21) 2025204049 (22) 30.05.2025  
 (54) Weed seed germination inhibitor

(71) Bioverativ Therapeutics Inc.  
 (21) 2025204069 (22) 30.05.2025  
 (54) Factor VIII polypeptide formulations

(71) Bolt Threads, Inc.  
 (21) 2025204002 (22) 29.05.2025  
 (54) COMPOSITION FOR A MOLDED BODY

(71) BPGbio, Inc.  
 (21) 2025203938 (22) 27.05.2025  
 (54) Use of coenzyme Q10 formulations in the treatment and prevention of Epidermolysis Bullosa

(71) BRISTOL-MYERS SQUIBB COMPANY; FIVE PRIME THERAPEUTICS, INC.  
 (21) 2025203967 (22) 28.05.2025  
 (54) ANTIBODIES BINDING TO VISTA AT ACIDIC PH

(71) BRUCE RISBY  
 (21) 2025204016 (22) 29.05.2025  
 (54) REFERENCE STATION FOR USE IN THE SPORT OF GOLF

(71) BÜHLER AG  
 (21) 2025204010 (22) 29.05.2025  
 (54) DEVICE WITH AN INSERT FOR TREATING CELL MATERIAL

(71) BUTCHER, P.  
 (21) 2025204030 (22) 29.05.2025  
 (54) DIRECT FLOW WAVEMAKER

**Campbell, B. see Abodo Wood Limited**  
 (21) 2025203983

(71) CATERPILLAR INC.  
 (21) 2025203970 (22) 28.05.2025  
 (54) Fuel filter passage for downward fuel flow direction

(71) CATERPILLAR INC.  
 (21) 2025204089 (22) 02.06.2025  
 (54) WORK MACHINE CHARGING THERMAL DERATE

(71) Certis Cisco Security Pte Ltd  
 (21) 2025204050 (22) 30.05.2025  
 (54) A module and method for generating an enhanced response using a retrieval augmented generation model

(71) Champ-ray Industrial Co., LTD  
 (21) 2025204127 (22) 03.06.2025  
 (54) Single live wire intelligent remote-control method, device and system using the same

(71) CHANGZHOU ARCTECH SOLAR NEW ENERGY TECHNOLOGY CO., LTD  
 (21) 2025204060 (22) 30.05.2025  
 (54) PURLIN, PURLIN ASSEMBLY AND PHOTOVOLTAIC BRACKET

(71) Channell Commercial Corporation  
 (21) 2025204047 (22) 30.05.2025  
 (54) Polymer utility vault and method of manufacturing by welding

**CHONGQING HAIER WASHING MACHINE CO., LTD. see HAIER SMART HOME CO., LTD.**  
 (21) 2025204000

(71) Clara Analytics, Inc.  
 (21) 2025204041 (22) 30.05.2025  
 (54) Systems and methods for implementing search and recommendation tools for attorney selection

(71) Cloudbreak Therapeutics, LLC  
 (21) 2025203959 (22) 27.05.2025  
 (54) EMULSION FORMULATIONS OF MULTIKINASE INHIBITORS

(71) CNH Industrial America LLC  
 (21) 2025203920 (22) 27.05.2025  
 (54) Smart implement guidance

(71) CNH Industrial America LLC  
 (21) 2025203922 (22) 27.05.2025  
 (54) Automatic guidance of agricultural vehicles

(71) Corbett, D.  
 (21) 2025204083 (22) 02.06.2025  
 (54) Universal Side Table

(71) Crayola LLC  
 (21) 2025204042 (22) 30.05.2025  
 (54) Water washable ink or paint

(71) Cryoport, Inc.  
 (21) 2025204067 (22) 30.05.2025  
 (54) Digital smart label for shipper with data logger

(71) CURTIS, M.  
 (21) 2025204149 (22) 03.06.2025  
 (54) Sealing System for Dam Walls

**Cytokinetics, Inc. see Amgen Inc.**  
 (21) 2025204014

(71) Deco IP Pty Ltd  
 (21) 2025204025 (22) 29.05.2025  
 (54) Wall cladding system

(71) Deere & Company  
 (21) 2025203962 (22) 27.05.2025  
 (54) TIMBER-WORKING HEAD

**Dolby International AB see Dolby Laboratories Licensing Corporation**  
 (21) 2025204018

(71) Dolby Laboratories Licensing Corporation; Dolby International AB  
 (21) 2025204018 (22) 29.05.2025  
 (54) Audio processing in immersive audio services

(71) Douglas, C.  
 (21) 2025204078 (22) 31.05.2025  
 (54) Knife Defence Pole

(71) Dräger Safety AG & Co. KGaA  
 (21) 2025203916 (22) 27.05.2025  
 (54) Incident information handling

(71) Dräger Safety AG & Co. KGaA  
 (21) 2025203982 (22) 28.05.2025  
 (54) Connection request handling

(71) Dreame Innovation Technology (Suzhou) Co., Ltd.  
 (21) 2025203913 (22) 27.05.2025  
 (54) Control method for cleaning robot

(71) Ducati Motor Holding S.p.A.  
 (21) 2025204053 (22) 30.05.2025  
 (54) Method and device for quickly shifting the gear of the engine of a motorcycle

(71) Dyne Therapeutics, Inc.  
 (21) 2025204039 (22) 30.05.2025  
 (54) Muscle targeting complexes and uses thereof for treating myotonic dystrophy

Complete Applications Filed - Name Index cont'd

(71) Eavor Technologies Inc.  
(21) 2025204136 (22) 03.06.2025  
(54) COOLING FOR GEOTHERMAL WELL DRILLING

(71) EBR Systems, Inc.  
(21) 2025204132 (22) 03.06.2025  
(54) Systems and methods for wireless endocardial stimulation of the left ventricular septal wall

(71) Encora, Inc.  
(21) 2025204057 (22) 30.05.2025  
(54) Apparatus and method for reduction of neurological movement disorder symptoms using wearable device

(71) Encore Medical, L.P. (D/B/A DJO Surgical)  
(21) 2025203940 (22) 27.05.2025  
(54) Universal joint assembly

(71) Essilor International  
(21) 2025204028 (22) 29.05.2025  
(54) A METHOD AND DEVICE FOR BUILDING A MODEL FOR PREDICTING EVOLUTION OVER TIME OF A VISION-RELATED PARAMETER

(71) Eve Energy Storage Co., Ltd  
(21) 2025204034 (22) 30.05.2025  
(54) HIGH-VOLTAGE BOX, BATTERY CLUSTER, AND ENERGY STORAGE SYSTEM

(71) Face International Corporation  
(21) 2025203989 (22) 28.05.2025  
(54) METHODS FOR FABRICATION, MANUFACTURE AND PRODUCTION OF AN AUTONOMOUS ELECTRICAL POWER SOURCE

(71) Fisher & Paykel Healthcare Limited  
(21) 2025204055 (22) 30.05.2025  
(54) DETERMINISTICALLY CONTROLLED HUMIDIFICATION SYSTEM

(71) Fisher & Paykel Healthcare Limited  
(21) 2025204094 (22) 02.06.2025  
(54) IMPROVEMENTS TO FLOW THERAPY

(71) FISHER & PAYKEL HEALTHCARE LIMITED  
(21) 2025204008 (22) 29.05.2025  
(54) PATIENT INTERFACES

(71) FISHER & PAYKEL HEALTHCARE LIMITED  
(21) 2025204012 (22) 29.05.2025

(54) INTERFACE COMPRISING A NASAL SEALING PORTION

**FIVE PRIME THERAPEUTICS, INC. see BRISTOL-MYERS SQUIBB COMPANY**  
(21) 2025203967

(71) FOUR PAWS PRODUCTS, LTD.  
(21) 2025204130 (22) 03.06.2025  
(54) PET TRAINING PAD HAVING UPSTANDING BORDER

(71) FutureFeed Pty Ltd  
(21) 2025203925 (22) 27.05.2025  
(54) NOVEL COMPOSITIONS FOR REDUCING METHANE PRODUCTION IN RUMINANT ANIMALS

(71) Gannon Innovations Pty Ltd  
(21) 2025204098 (22) 02.06.2025  
(54) Shelving

(71) Gen-Probe Incorporated  
(21) 2025204084 (22) 02.06.2025  
(54) Methods and compositions for detecting Candida species

(71) Gen-Probe Incorporated  
(21) 2025204095 (22) 02.06.2025  
(54) Dried compositions containing flap endonuclease

(71) Giandzi, A.  
(21) 2025203893 (22) 26.05.2025  
(54) New biomechanical invention for women's running attire

(71) Globberide, Inc.  
(21) 2025204029 (22) 29.05.2025  
(54) ONE-WAY CLUTCH AND FISHING REEL

(71) GMDx Co Pty Ltd  
(21) 2025204051 (22) 30.05.2025  
(54) Systems and methods for predicting the efficacy of cancer therapy

(71) Goetsch, D.  
(21) 2025204001 (22) 29.05.2025  
(54) Lift devices for containers

**Gudsell, D. see Abodo Wood Limited**  
(21) 2025203983

(71) HAIER SMART HOME CO., LTD.; CHONGQING HAIER WASHING MACHINE CO., LTD.  
(21) 2025204000 (22) 29.05.2025

(54) Automatic dispensing device for laundry treatment apparatus

(71) Hayes, K.  
(21) 2025204128 (22) 03.06.2025  
(54) Robotic Crawler Platform Systems and Methods

(71) Hemosonics, LLC  
(21) 2025204007 (22) 26.05.2025  
(54) DEVICES, SYSTEMS AND METHODS FOR EVALUATION OF HEMOSTASIS

(71) Heraeus Medical GmbH  
(21) 2025203996 (22) 28.05.2025  
(54) Adapter for a mixing system for preparing a bone cement paste and kit for preparing a bone cement paste comprising an adapter and a mixing system

(71) Howmedica Osteonics Corp.  
(21) 2025204023 (22) 29.05.2025  
(54) Modular humeral head

(71) HYPERTUNNEL IP LIMITED  
(21) 2025203956 (22) 27.05.2025  
(54) Integrated Drilling Injection and Extraction Device and Method

(71) iCAD, Inc  
(21) 2025204096 (22) 02.06.2025  
(54) System and method for assessing breast cancer risk using imagery

(71) ICU Medical, Inc.  
(21) 2025203980 (22) 28.05.2025  
(54) Pressure-regulating vial access devices and methods

(71) IDEMIA Road Safety France  
(21) 2025203975 (22) 28.05.2025  
(54) Image-acquiring system for a traffic-enforcement machine

(71) IGT  
(21) 2025204017 (22) 29.05.2025  
(54) UPGRADE SYMBOL COLLECTION FOR SKILL-BASED GAMES IN A GAMING SYSTEM

(71) Illinois Tool Works Inc.  
(21) 2025204003 (22) 29.05.2025  
(54) Fastener-driving tool with chamber member retaining assembly

(71) Illinois Tool Works Inc.  
(21) 2025204138 (22) 03.06.2025  
(54) Reinforcing bar and indicator

Complete Applications Filed - Name Index cont'd

(71) Imtmedical AG  
 (21) 2025204063 (22) 30.05.2025  
 (54) Breathing apparatus and method for controlling a breathing apparatus

(71) INSERM (Institut National de la Santé et de la Recherche Médicale); Institut Pasteur; Neovacs  
 (21) 2025204082 (22) 02.06.2025  
 (54) Immunogenic product comprising IL-4 and/or IL-13 for treating disorders associated with aberrant IL-4 and/or IL 13 expression or activity

(71) Institute for Basic Science  
 (21) 2025203973 (22) 28.05.2025  
 (54) Targeted deaminase and base editing using same

Institut Pasteur see INSERM (Institut National de la Santé et de la Recherche Médicale)  
 (21) 2025204082

(71) Insulet Corporation  
 (21) 2025203909 (22) 27.05.2025  
 (54) Network topology for insulin pump systems

(71) INTERNATIONAL N&H DENMARK APS  
 (21) 2025204134 (22) 03.06.2025  
 (54) PROBIOTIC BACTERIAL STRAINS THAT PRODUCE SHORT CHAIN FATTY ACIDS AND COMPOSITIONS COMPRISING SAME

(71) Invuity, Inc.  
 (21) 2025203963 (22) 28.05.2025  
 (54) Electrosurgical Instrument and Method of Using the Same

(71) Invuity, Inc.  
 (21) 2025203997 (22) 28.05.2025  
 (54) Electrosurgical instrument and method of using same

(71) Janssen Biotech, Inc.  
 (21) 2025204054 (22) 30.05.2025  
 (54) Methods of treating Crohn's disease with anti-IL23 specific antibody

(71) Javahery, N.  
 (21) 2025203979 (22) 28.05.2025  
 (54) Composition and use of a multi-nutrient supplement for enhancing brain metabolism and managing ADHD symptoms

(71) Jiangxi Innovation Technology Co., Ltd  
 (21) 2025204086 (22) 02.06.2025

(54) LED luminous antenna and device comprising the same

Jining Hongxin Agricultural Technology Co., Ltd. see National Center of Technology Innovation for Comprehensive Utilization of Saline-Alkali Land  
 (21) 2025204033

(71) KBC Global Services NV  
 (21) 2025204040 (22) 30.05.2025  
 (54) AUTOMATED ELECTRONIC MAIL ASSISTANT

(71) Kellanova  
 (21) 2025204004 (22) 29.05.2025  
 (54) Packaging subassembly, a packaging assembly and a methodology for preparing a packaging assembly

(71) K-fee System GmbH  
 (21) 2025204102 (22) 03.06.2025  
 (54) SINGLE-SERVE CAPSULE FOR PREPARING A BEVERAGE USING A BEVERAGE-PREPARATION MACHINE, BEVERAGE-PREPARATION SYSTEM, AND METHOD FOR PRODUCING A SINGLE-SERVE CAPSULE

(71) K-fee System GmbH  
 (21) 2025204103 (22) 03.06.2025  
 (54) SINGLE-SERVE CAPSULE FOR PREPARING A BEVERAGE USING A BEVERAGE-PREPARATION MACHINE, BEVERAGE-PREPARATION SYSTEM, AND METHOD FOR PRODUCING A SINGLE-SERVE CAPSULE

(71) K-fee System GmbH  
 (21) 2025204104 (22) 03.06.2025  
 (54) SINGLE-SERVE CAPSULE FOR PREPARING A BEVERAGE USING A BEVERAGE-PREPARATION MACHINE, BEVERAGE-PREPARATION SYSTEM, AND METHOD FOR PRODUCING A SINGLE-SERVE CAPSULE

(71) K-fee System GmbH  
 (21) 2025204105 (22) 03.06.2025  
 (54) SINGLE-SERVE CAPSULE FOR PREPARING A BEVERAGE USING A BEVERAGE-PREPARATION MACHINE, BEVERAGE-PREPARATION SYSTEM, AND METHOD FOR PRODUCING A SINGLE-SERVE CAPSULE

(71) Kynan Duke IP, LLC  
 (21) 2025203928 (22) 27.05.2025  
 (54) Substituted hydroxystilbene compounds and derivatives synthesis and uses thereof

(71) LANDA LABS (2012) LTD.  
 (21) 2025203999 (22) 28.05.2025  
 (54) USE OF NANO CARRIERS FOR DELIVERY OF ACTIVE AGENTS

(71) Lentigen Technology, Inc.  
 (21) 2025204005 (22) 29.05.2025  
 (54) Compositions and methods for treating cancer with anti-CD19/CD20 immunotherapy

(71) LG Chem, Ltd.  
 (21) 2025203915 (22) 27.05.2025  
 (54) CRYSTAL FORM IV OF ORGANIC ACID SALTS OF MELANOCORTIN RECEPTOR AGONIST COMPOUND, AND PREPARATION METHOD THEREOF

(71) LG Electronics Inc.  
 (21) 2025204037 (22) 30.05.2025  
 (54) BRACKET ASSEMBLY AND DISPLAY DEVICE COMPRISING THE SAME

(71) Lone Gull Holdings, Ltd.  
 (21) 2025204066 (22) 30.05.2025  
 (54) Inertial pneumatic wave energy device

(71) Longi Green Energy Technology Co., Ltd.  
 (21) 2025204099 (22) 02.06.2025  
 (54) Solar Cell And Photovoltaic Module

(71) Lummus Technology LLC  
 (21) 2025203985 (22) 28.05.2025  
 (54) Heat exchanger system

(71) Manuel, J.  
 (21) 2025204100 (22) 03.06.2025  
 (54) Dynamic Probability Volume-Based Crane Control System with Behavioral Feedback, Emergency Recovery Logic, and Dual-Crane Coordination

(71) Masterbuilt Manufacturing, LLC  
 (21) 2025204133 (22) 03.06.2025  
 (54) Gravity fed smoker

(71) Matterport, Inc.  
 (21) 2025203952 (22) 27.05.2025  
 (54) System and method of capturing and generating panoramic three-dimensional images

(71) Maxfield Lam, P.L.J.  
 (21) 2025204077 (22) 30.05.2025  
 (54) LAYALA a Multi Layer Wall Panel

(71) MedImmune Limited  
 (21) 2025203947 (22) 27.05.2025

Complete Applications Filed - Name Index cont'd

(54) Anti-PAR2 antibodies and uses thereof

(71) Metabolomic Diagnostics Limited  
(21) 2025203955 (22) 27.05.2025  
(54) METHODS OF PREDICTING PRE TERM BIRTH FROM PREECLAMPSIA USING METABOLIC AND PROTEIN BIOMARKERS

(71) Minerva Neurosciences, Inc.  
(21) 2025204043 (22) 30.05.2025  
(54) Methods of using a phenoxypropylamine compound to treat pain

(71) MTI Group Pty Ltd  
(21) 2025204031 (22) 29.05.2025  
(54) Apparatus and Method for Welding Composite Thermoplastic Materials

(71) Nanjing Chervon Industry Co., Ltd.  
(21) 2025204135 (22) 03.06.2025  
(54) IMPACT WRENCH AND POWER TOOL

(71) Nanopareil, LLC  
(21) 2025204139 (22) 03.06.2025  
(54) Membrane capsule

(71) National Center of Technology Innovation for Comprehensive Utilization of Saline-Alkali Land; Shandong Academy of Agricultural Sciences; Jining Hongxin Agricultural Technology Co., Ltd.; Shandong Polytechnic; Shandong Jiegou Information Technology Co., Ltd.; Shandong Agricultural University; Shandong Hengxing Agricultural Development Co., Ltd.  
(21) 2025204033 (22) 29.05.2025  
(54) STRAIN OF ACINETOBACTER, BACTERIAL AGENT, PLANT GROWTH PROMOTER, BIOLOGICAL FERTILIZER, AND USE THEREOF

**Neovacs see INSERM (Institut National de la Santé et de la Recherche Médicale)**  
(21) 2025204082

(71) Nguyen, J.  
(21) 2025204081 (22) 02.06.2025  
(54) Electronic portable computer-attachable projector connected via HDMI for myopia prevention to be optionally used in conjunction with a tablet with a smart pen with a motion detection electronic glove and computer front facing camera to broadcast life-like hand cursor onto projector screen for optimal hand eye coordination for use with smart pen with an online cross compatible computer application that can pre-process HDMI output to overlay hand cursor onto projector screen.

(71) Norton (Waterford) Limited  
(21) 2025203986 (22) 28.05.2025  
(54) Dry powder medicament inhaler

(71) Novartis AG; The Trustees of the University of Pennsylvania  
(21) 2025204038 (22) 30.05.2025  
(54) Methods for improving the efficacy and expansion of chimeric antigen receptor-expressing cells

**Olthuis, D. see Abodo Wood Limited**  
(21) 2025203983

**Orionis Biosciences, Inc. see Orionis Biosciences BV**  
(21) 2025203995

(71) Orionis Biosciences BV; Orionis Biosciences, Inc.  
(21) 2025203995 (22) 28.05.2025  
(54) Bi-functional proteins and construction thereof

(71) Payshare.NZ  
(21) 2025204145 (22) 03.06.2025  
(54) System and method for enabling group-based payment confirmation at check-out

(71) PELL Bio-Med Technology Co., Ltd.  
(21) 2025203971 (22) 28.05.2025  
(54) USE OF PEPTIDE IN PREPARING MEDICAMENT FOR SKELETON PROTECTION, AND INHIBITION OF PROLIFERATION AND MIGRATION OF SYNOVIOCYTES AND BONE RESORPTION

(71) Pharma Mar, S.A.  
(21) 2025203941 (22) 27.05.2025  
(54) Methods Of Treating Small Cell Lung Cancer With Lurbinectedin Formulations

(71) Pharma Mar, S.A.  
(21) 2025203950 (22) 27.05.2025  
(54) Methods Of Treating Small Cell Lung Cancer With Lurbinectedin Formulations

(71) Pharma Mar, S.A.  
(21) 2025203954 (22) 27.05.2025  
(54) Methods Of Treating Small Cell Lung Cancer With Lurbinectedin Formulations

(71) Pioneer Hi-Bred International, Inc.  
(21) 2025204137 (22) 03.06.2025

(54) Wheat Ms1 polynucleotides, polypeptides, and methods of use

(71) Piscitelli, M.  
(21) 2025204020 (22) 29.05.2025  
(54) Apparatus and method for measuring far-field luminous intensity and color characteristics of light sources

(71) Polar Delight Inc.  
(21) 2025204019 (22) 29.05.2025  
(54) FROZEN DESSERT DISPENSING MACHINE AND CARTRIDGE

(71) Polar Delight Inc.  
(21) 2025204021 (22) 29.05.2025  
(54) FROZEN DESSERT DISPENSING MACHINE AND CARTRIDGE

(71) Polaris Industries Inc.  
(21) 2025203943 (22) 27.05.2025  
(54) Utility Vehicle

(71) Praxis Precision Medicines, Inc.  
(21) 2025204027 (22) 29.05.2025  
(54) Ion channel modulators

(71) PROGRESS RAIL LOCOMOTIVE INC.  
(21) 2025203992 (22) 28.05.2025  
(54) SYSTEMS AND METHODS FOR PROVIDING AUTONOMOUS TRAIN DRIVING STRATEGY

(71) Prysmian S.p.A.  
(21) 2025204045 (22) 30.05.2025  
(54) Hang-off assembly for power cables, hang-off system and method for mounting such a hang-off system

(71) PULSE BIOSCIENCES, INC.  
(21) 2025203987 (22) 28.05.2025  
(54) Conductive Spacer in an Electrode Assembly of an Electrical Treatment Apparatus

(71) Pure Fishing, Inc.  
(21) 2025204059 (22) 30.05.2025  
(54) Recoil lure

(71) Pure Fishing, Inc.  
(21) 2025204061 (22) 30.05.2025  
(54) Y-tube hook system

(71) Qualcomm Incorporated  
(21) 2025204088 (22) 02.06.2025  
(54) MULTIPLE HISTORY BASED NON-ADJACENT MVPs FOR WAVEFRONT PROCESSING OF VIDEO CODING

Complete Applications Filed - Name Index cont'd

(71) ReFlow Medical, Inc.  
(21) 2025203991 (22) 28.05.2025  
(54) Delivery systems for stents having protruding features

(71) Regeneron Pharmaceuticals, Inc.  
(21) 2025204036 (22) 30.05.2025  
(54) ASEPTIC PIERCING SYSTEM AND METHOD

(71) Research Triangle Institute  
(21) 2025204032 (22) 29.05.2025  
(54) Systems, Methods And Devices For Determining Mild Traumatic Brain Injuries

(71) RESMED PTY LTD  
(21) 2025204013 (22) 29.05.2025  
(54) Patient Interface

(71) Rite-Hite Holding Corporation  
(21) 2025204074 (22) 30.05.2025  
(54) Bumpers For Use At Loading Docks

(71) S.C.R. (Engineers) Limited  
(21) 2025204093 (22) 02.06.2025  
(54) Livestock dry off method and device

(71) SALARZADEH, M.  
(21) 2025204079 (22) 01.06.2025  
(54) Sealable Single Use Straw for Alcoholic, Concentrates, Medicinal, or Nutritional Application's

(71) Samsung Electronics Co., Ltd.  
(21) 2025204101 (22) 03.06.2025  
(54) VIDEO ENCODING METHOD AND APPARATUS, AND VIDEO DECODING METHOD AND APPARATUS USING BLOCKS PARTITIONED IN VARIOUS FORMS FROM IMAGES

(71) Sandvik Mining and Construction Oy  
(21) 2025203965 (22) 28.05.2025  
(54) ARRANGEMENT AND METHOD FOR HANDLING DRILL BITS

(71) SaNOtize Research and Development Corp.  
(21) 2025203944 (22) 27.05.2025  
(54) Treating diseases using nitric oxide releasing solutions

(71) Schlage Lock Company LLC  
(21) 2025203990 (22) 28.05.2025  
(54) POWERED OPENING MODULE FOR A DOOR CLOSER

(71) SCHLAGE LOCK COMPANY LLC  
(21) 2025203988 (22) 28.05.2025

(54) HANDLE RETENTION

Shandong Academy of Agricultural Sciences see National Center of Technology Innovation for Comprehensive Utilization of Saline-Alkali Land  
(21) 2025204033

Shandong Agricultural University see National Center of Technology Innovation for Comprehensive Utilization of Saline-Alkali Land  
(21) 2025204033

Shandong Hengxing Agricultural Development Co., Ltd. see National Center of Technology Innovation for Comprehensive Utilization of Saline-Alkali Land  
(21) 2025204033

Shandong Jiegou Information Technology Co., Ltd. see National Center of Technology Innovation for Comprehensive Utilization of Saline-Alkali Land  
(21) 2025204033

Shandong Polytechnic see National Center of Technology Innovation for Comprehensive Utilization of Saline-Alkali Land  
(21) 2025204033

(71) Shenzhen Kalaifu Technology Co., Ltd.  
(21) 2025204076 (22) 30.05.2025  
(54) CHARGING SYSTEM AND EMERGENCY START DEVICE

(71) Siemens Healthineers AG  
(21) 2025203972 (22) 28.05.2025  
(54) Gantry apparatus for a CT system

(71) SNF SA  
(21) 2025204072 (22) 30.05.2025  
(54) Process for separating rare-earth metals in admixture in aqueous solution

(71) SNF SA  
(21) 2025204073 (22) 30.05.2025  
(54) Process for separating rare-earth metals in admixture in aqueous solution

(71) SNF SA  
(21) 2025204075 (22) 30.05.2025  
(54) Process for separating rare-earth metals in admixture in aqueous solution

(71) Société des Produits Nestlé S.A.  
(21) 2025204064 (22) 30.05.2025  
(54) Mixed triglycerides

Southwest Petroleum University see Tongwei Solar (Chengdu) Co., Ltd.  
(21) 2025204065

(71) ST REPRODUCTIVE TECHNOLOGIES, LLC  
(21) 2025203919 (22) 27.05.2025  
(54) COMPUTERIZED SYSTEMS AND METHODS FOR LIVESTOCK MANAGEMENT

(71) Sub-Zero Group, Inc.  
(21) 2025203994 (22) 28.05.2025  
(54) Adjustable gas burner, gas burner system including an adjustable gas burner, and appliance including a gas burner system

(71) Sungrow (Shanghai) Co., Ltd.  
(21) 2025204011 (22) 29.05.2025  
(54) Power converter, power system, and method for controlling power converter

(71) Synova Life Sciences, Inc.  
(21) 2025203930 (22) 27.05.2025  
(54) Separation, dissociation and/or disaggregation of cells using shockwaves or mechanical impacts

(71) Synthis Therapeutics, Inc.  
(21) 2025204026 (22) 29.05.2025  
(54) ANTIBODY-ALK5 INHIBITOR CONJUGATES AND THEIR USES

(71) Takeda Pharmaceutical Company Limited  
(21) 2025203926 (22) 27.05.2025  
(54) TYK2 inhibitors and uses thereof

(71) Taylor Commercial Foodservice, LLC  
(21) 2025204071 (22) 30.05.2025  
(54) Automated food management system

(71) Techtronic Cordless GP  
(21) 2025203910 (22) 27.05.2025  
(54) Lithium-ion battery positive electrode and lithium-ion battery

(71) Telefonaktiebolaget LM Ericsson (publ)  
(21) 2025204092 (22) 02.06.2025  
(54) Handling of session context

(71) The Johns Hopkins University  
(21) 2025204058 (22) 30.05.2025  
(54) Marker For Identifying A Surgical Cavity

(71) The Trustees of Columbia University in the City of New York  
(21) 2025204090 (22) 02.06.2025

Complete Applications Filed - Name Index cont'd

(54) Reduction of chalcopryrite by an aqueous phase reductant to enable hydrometallurgical extraction of copper

(71) The Trustees of the University of Pennsylvania

(21) 2025203998 (22) 28.05.2025

(54) Nucleoside-modified RNA for inducing an immune response against Zika virus

The Trustees of the University of Pennsylvania see Novartis AG

(21) 2025204038

(71) Tongwei Solar (Chengdu) Co., Ltd.

(21) 2025204056 (22) 30.05.2025

(54) Solar cell, solar cell string, and photovoltaic module

(71) Tongwei Solar (Chengdu) Co., Ltd.; Southwest Petroleum University

(21) 2025204065 (22) 30.05.2025

(54) Solar cell, preparation method thereof, and photovoltaic module

(71) TONGWEI SOLAR (CHENGDU) CO., LTD.

(21) 2025204062 (22) 30.05.2025

(54) SOLAR CELL AND PREPARATION METHOD THEREFOR AND PHOTOVOLTAIC MODULE

(71) Truphone Limited

(21) 2025203977 (22) 28.05.2025

(54) Telecommunications Directory Services

(71) University of Iowa Research Foundation

(21) 2025204097 (22) 02.06.2025

(54) Compositions and methods of treating melanoma

(71) Valmont Australia Pty Limited

(21) 2025204142 (22) 03.06.2025

(54) ADJUSTABLE FRAMEWORK AND COMPONENTS THEREFOR

(71) Vertiv Corporation

(21) 2025203966 (22) 28.05.2025

(54) SMART UPS CONTROL FOR AI LOADS

(71) VISSER, C.

(21) 2025203969 (22) 28.05.2025

(54) A deflector

(71) Volvo Autonomous Solutions AB

(21) 2025203912 (22) 27.05.2025

(54) System and method for controlling one or more vehicles

(71) WARWICK JAMES ALLEN

(21) 2025204052 (22) 30.05.2025

(54) TILED FLOOR ASSEMBLY AND COMPONENTS

(71) WONDERLAND SWITZERLAND AG

(21) 2025204087 (22) 02.06.2025

(54) Side impact safety protection device, child safety seat and base

(71) Zimmer US, Inc.

(21) 2025203924 (22) 27.05.2025

(54) AUGMENTED REALITY PATIENT ASSESSMENT MODULE

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<b>2025203893</b>	Giandzi, A.	<b>2025203996</b>	Heraeus Medical GmbH
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<b>2025203928</b>	Kynan Duke IP, LLC	<b>2025204009</b>	AbbVie Inc.
<b>2025203930</b>	Synova Life Sciences, Inc.	<b>2025204010</b>	BÜHLER AG
<b>2025203931</b>	ARCHER AVIATION, INC.	<b>2025204011</b>	Sungrow (Shanghai) Co., Ltd.
<b>2025203934</b>	Angel Group Co., Ltd.	<b>2025204012</b>	FISHER & PAYKEL HEALTHCARE LIMITED
<b>2025203938</b>	BPGbio, Inc.	<b>2025204013</b>	RESMED PTY LTD
<b>2025203940</b>	Encore Medical, L.P. (D/B/A DJO Surgical)	<b>2025204014</b>	Amgen Inc.; Cytokinetics, Inc.
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<b>2025203981</b>	Aristocrat Technologies Australia Pty Limited	<b>2025204048</b>	Aristocrat Technologies Australia Pty Limited
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<b>2025203983</b>	Abodo Wood Limited; Olthuis, D.; Gudsell, D.; Campbell, B.	<b>2025204050</b>	Certis Cisco Security Pte Ltd
<b>2025203984</b>	ASSA ABLOY New Zealand Limited	<b>2025204051</b>	GMDx Co Pty Ltd
<b>2025203985</b>	Lummus Technology LLC	<b>2025204052</b>	WARWICK JAMES ALLEN
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<b>2025203992</b>	PROGRESS RAIL LOCOMOTIVE INC.		
<b>2025203993</b>	BAZ BIOMEDIC CO., LTD.		
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2025204061	Pure Fishing, Inc.
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2025204064	Société des Produits Nestlé S.A.
2025204065	Tongwei Solar (Chengdu) Co., Ltd.; Southwest Petroleum University
2025204066	Lone Gull Holdings, Ltd.
2025204067	Cryoport, Inc.
2025204068	Alzheon, Inc.
2025204069	Bioverativ Therapeutics Inc.
2025204070	Alcon Inc.
2025204071	Taylor Commercial Foodservice, LLC
2025204072	SNF SA
2025204073	SNF SA
2025204074	Rite-Hite Holding Corporation
2025204075	SNF SA
2025204076	Shenzhen Kalaifu Technology Co., Ltd.
2025204077	Maxfield Lam, P.L.J.
2025204078	Douglas, C.
2025204079	SALARZADEH, M.
2025204080	Angel Group Co., Ltd.
2025204081	Nguyen, J.
2025204082	INSERM (Institut National de la Santé et de la Recherche Médicale); Institut Pasteur; Neovacs
2025204083	Corbett, D.
2025204084	Gen-Probe Incorporated
2025204085	Avalyn Pharma Inc.
2025204086	Jiangxi Innovation Technology Co., Ltd
2025204087	WONDERLAND SWITZERLAND AG
2025204088	Qualcomm Incorporated
2025204089	CATERPILLAR INC.
2025204090	The Trustees of Columbia University in the City of New York
2025204091	Aviana Molecular Technologies, LLC
2025204092	Telefonaktiebolaget LM Ericsson (publ)
2025204093	S.C.R. (Engineers) Limited
2025204094	Fisher & Paykel Healthcare Limited
2025204095	Gen-Probe Incorporated
2025204096	iCAD, Inc
2025204097	University of Iowa Research Foundation
2025204098	Gannon Innovations Pty Ltd
2025204099	Longi Green Energy Technology Co., Ltd.
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2025204101	Samsung Electronics Co., Ltd.
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2025204105	K-fee System GmbH
2025204127	Champ-ray Industrial Co., LTD
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2025204136	Eavor Technologies Inc.
2025204137	Pioneer Hi-Bred International, Inc.
2025204138	Illinois Tool Works Inc.
2025204139	Nanopareil, LLC
2025204142	Valmont Australia Pty Limited
2025204145	Payshare.NZ
2025204149	CURTIS, M.

**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
  
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 2019316635 ( 5C ) 2019317366 ( 5C ) 2019320750 ( 5C )  
 2019321873 ( 5C ) 2019327408 ( 5C ) 2019329786 ( 5C )  
 2019335374 ( 5C ) 2019338194 ( 5C ) 2019346624 ( 5C )  
 2019347823 ( 5C ) 2019349904 ( 5C ) 2019350722 ( 5C )  
 2019353548 ( 5C ) 2019354421 ( 5C ) 2019354637 ( 5C )  
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**2020**

2020102298 ( 22 ) 2020103453 ( 22E ) 2020103483 ( 22G )  
 2020103569 ( 22E ) 2020103579 ( 22E ) 2020201487 ( 14 )  
 2020205355 ( 14 ) 2020210171 ( 14 ) 2020220136 ( 14 )  
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 2020466253 ( 4A ) 2020476940 ( 4A ) 2020477427 ( 4A )

**2021**

2021103062 ( 22 ) 2021107556 ( 22 ) 2021201221 ( 14 )  
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 2021412721 ( 5C ) 2021422668 ( 5C )

**2022**

2022100087 ( 22E ) 2022202616 ( 14 ) 2022209326 ( 16D )  
 2022215291 ( 4C ) 2022217587 ( 5C ) 2022235550 ( 4C )  
 2022248761 ( 5C ) 2022252757 ( 4C ) 2022260028 ( 5C )  
 2022275426 ( 4C ) 2022287676 ( 5C ) 2022354049 ( 5C )

**2023**

2023100035 ( 22 ) 2023100036 ( 22 ) 2023200243 ( 4C )  
 2023200507 ( 5C ) 2023200861 ( 5C ) 2023201174 ( 5C )  
 2023201534 ( 5C ) 2023201600 ( 5C ) 2023201722 ( 5C )  
 2023201897 ( 5C ) 2023201963 ( 4C ) 2023202425 ( 5C )  
 2023202594 ( 5C ) 2023202830 ( 5C ) 2023202974 ( 5C )  
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 2023203446 ( 5C ) 2023203543 ( 5C ) 2023203593 ( 5C )  
 2023204269 ( 5C ) 2023204294 ( 5C ) 2023204382 ( 5C )  
 2023204418 ( 5C ) 2023206141 ( 5C ) 2023208201 ( 4C )  
 2023210627 ( 5C ) 2023214263 ( 4C ) 2023214281 ( 5C )  
 2023229556 ( 4C ) 2023233050 ( 4C ) 2023237146 ( 4C )  
 2023241286 ( 4C ) 2023274130 ( 4C ) 2023274158 ( 4C )

**2024**

2024200703 ( 12C ) 2024201110 ( 12D ) 2024202969 ( 5CN )  
 2024203038 ( 4C ) 2024204275 ( 4C ) 2024219433 ( 4C )  
 2024901633 ( 12AN ) 2024901642 ( 12AN ) 2024901648 ( 12N )  
 2024901781 ( 12AN ) 2024901782 ( 12AN ) 2024901857 ( 12AN )

**2025**

2025201675 ( 1B ) 2025201714 ( 1B ) 2025201766 ( 1B )  
 2025201783 ( 1B ) 2025201788 ( 1B ) 2025201796 ( 1B )  
 2025201805 ( 1B ) 2025201833 ( 1B ) 2025201930 ( 17 )  
 2025203761 ( 12CN ) 2025203963 ( 12AN ) 2025204073 ( 12AN )

**Assignments before Grant, Section 113**

**2019**

2019278927 BIORA THERAPEUTICS, INC. The application has been assigned to **BT BidCo, Inc.**

2019295696 Pioneer Surgical Technology, Inc. The application has been assigned to **Paragon 28, Inc.**

2019383976 BIORA THERAPEUTICS, INC. The application has been assigned to **BT BidCo, Inc.**

2019403451 Paradigm Spine, LLC The application has been assigned to **Xtant Medical Holdings, Inc.**

**2020**

2020268752 BioNTech R&D (Austria) GmbH The application has been assigned to **BioNTech SE**

**2022**

2022342078 BIORA THERAPEUTICS, INC. The application has been assigned to **BT BidCo, Inc.**

2022422204 CYBER SECURITY RESEARCH CENTRE LIMITED  
 The application has been assigned to **Commonwealth Scientific and Industrial Research Organisation**

**2023**

2023202583 Concordia University Inc. The application has been assigned to **CU Ventures, Inc.**

2023264042 THE SCHEPENS EYE RESEARCH INSTITUTE, INC.; RESEARCH FOUNDATION OF THE CITY UNIVERSITY OF NEW YORK  
 The application has been assigned to **MASSACHUSETTS EYE AND EAR INFIRMARY; RESEARCH FOUNDATION OF THE CITY UNIVERSITY OF NEW YORK**

**Assignments before Grant, Section 113**

2023350706 CYBER SECURITY RESEARCH CENTRE LIMITED  
 The application has been assigned to **Commonwealth Scientific and Industrial Research Organisation**

**2024**

2024219419 IntraMont Technologies, Inc. The application has been assigned to **MangoRX IP Holdings, LLC**

2024901592 Future Fuels CRC Ltd The application has been assigned to **The University of Melbourne**

**2025**

2025202774 Children's Hospital & Research Center at Oakland The application has been assigned to **The Regents of the University of California**

**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.

**2020**

2020340441 **Godfrin, P.** An application to extend the time from 31 Aug 2024 to 30 Apr 2025 in which to pay a continuation fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2021**

2021225170 **Infastech Intellectual Properties Pte. Ltd.** An application to extend the time from 18 Aug 2024 to 18 Apr 2025 in which to pay a renewal fee has been filed . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

**2022**

2022287541 **Jetstone Building Systems Pty Ltd** An application to extend the time from 18 Sep 2024 to 18 Apr 2025 in which to pay a renewal fee has been filed . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

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

**2016**

2016306718 **Omachron Intellectual Property Inc.** The time in which to pay a renewal fee has been extended to 28 Feb 2025 . Address for service - FB Rice Pty Ltd Level 29 126 Phillip Street Sydney NSW 2000 AU

**2019**

2019326455 **PHILLIPS, T.D.; Texas A&M University; Wang, M.** The time in which to pay a continuation fee has been extended to 20 Mar 2025 . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

**Extensions of Time, Section 223**

**2021**

2021105257 **Dayman, A.** The time in which to pay a renewal fee has been extended to 10 Mar 2025 . Address for service - Annalise Dayman 19 Waderbird Cres Pelican Waters QLD 4551 AU

2021287887 **Chorus, LLC** The time in which to request examination has been extended to 12 Jun 2025 . Address for service - Caska Intellectual Property Pty Ltd Suite 6.01 Level 6, 201 Kent Street Sydney NSW 2000 AU

**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.

**2006**

2006322028 Improved host cells and culture methods **Amgen Inc.** The nature of the amendment is as shown in the statement(s) filed 06 Feb 2025 . Address for service - Wrays L7 863 Hay St Perth WA 6000 AU

**2017**

2017251298 Antibody having improved stability and specifically binding to HER2 **Abclon Inc.** The nature of the amendment is as shown in the statement(s) filed 09 May 2025 . Address for service - FB Rice Pty Ltd L 33 477 Collins Street Melbourne VIC 3000 AU

**2019**

2019283407 Line device for a ventricular assist device and method for producing a line device **Kardion GmbH** The nature of the amendment is as shown in the statement(s) filed 06 May 2025 . Address for service - Griffith Hack Level 15 376-390 Collins St MELBOURNE VIC 3000 AU

2019345848 Method to detect vehicle battery type before charge **CTEK Sweden AB** The nature of the amendment is as shown in the statement(s) filed 24 Apr 2025 . Address for service - FB Rice Pty Ltd L 33 477 Collins Street Melbourne VIC 3000 AU

2019399135 Crushing of core samples **Orbis Mining Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 12 May 2025 . Address for service - Armour IP Pty Ltd PO Box 3099 Broadway Nedlands WA 6009 AU

**2021**

2021201367 DAMPING HINGE **Fuzhou Autran Industrial Co., Ltd** The nature of the amendment is as shown in the statement(s) filed 14 Apr 2025 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

2021438351 CONTROLLING OF QUALITY OF EXPERIENCE MEASUREMENT **NOKIA TECHNOLOGIES OY** The nature of the amendment is as shown in the statement(s) filed 28 May 2025 . Ad-

**Amendments**

dress for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2022**

2022382090 METHOD OF SAMPLING AND ANALYZING PROPERTIES OF DISCHARGED FILTER CAKE AND APPARATUS THEREOF **FLSMIDTH A/S** The nature of the amendment is as shown in the statement(s) filed 23 May 2025 . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

**2023**

2023222822 Method and apparatus for manually selecting a network **Nokia Technologies Oy** The nature of the amendment is as shown in the statement(s) filed 13 May 2025 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2023308563 BLOCK CONFIGURATION **TOOLBRO INNOVATORS, LLC** The nature of the amendment is as shown in the statement(s) filed 30 Apr 2025 . Address for service - MBIP PO Box 78 Red Hill QLD 4059 AU

**Amendments Made**

**2019**

2019207655 **Hettich-ONI GmbH & Co. KG** The nature of the amendment is as shown in the statement filed 06 Feb 2025

2019269361 **OncoC4, Inc.; Children's Research Institute, Children's National Medical Center** The nature of the amendment is as shown in the statement filed 03 Mar 2025

2019317918 **FUJI OIL CO., LTD.** The nature of the amendment is as shown in the statement filed 21 Feb 2025

2019345061 **Avedro, Inc.** The nature of the amendment is as shown in the statement filed 12 Feb 2025

**2020**

2020269903 **Rheinisch-Westfälische Technische Hochschule (RWTH) Aachen** The nature of the amendment is: Amend the invention title to read VASCULAR IMPLANT AND METHOD FOR THE PRODUCTION THEREOF

**2021**

2021261902 **Ecograf Limited** The nature of the amendment is as shown in the statements filed 16 May 2024 and 7 November 2024

2021351491 **GILEAD SCIENCES, INC.** The nature of the amendment is as shown in the statement filed 19 Feb 2025

**2022**

2022483532 **KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)** The nature of the amendment is: Amend the invention title to read Method for determining high-temperature characteristics of iron ore pellets, method for producing iron ore pellets, and iron ore pellets

**Amendments**

2022489317 **VILOFOSS A/S** The nature of the amendment is: Amend the invention title to read Compositions for use in the prophylactic treatment of hypocalcemia in a ruminant animal

**2023**

2023200015 **J.F.R. Enterprises Inc.** The nature of the amendment is: Amend the name of the inventor to read ROWLAND, Jay F. and HARRISON, Craig

2023200317 **Rani Therapeutics, LLC** The nature of the amendment is as shown in the statement filed 25 Feb 2025

2023202508 **Juul Labs, Inc.** The nature of the amendment is as shown in the statement filed 21 Feb 2025

2023352016 **JFE STEEL CORPORATION** The nature of the amendment is: Amend the invention title to read STEEL PIPE FOR LINE PIPE WITH HIGH HYDROGEN EMBRITTLEMENT RESISTANCE AND METHOD FOR PRODUCING THE SAME, AND STEEL MATERIAL FOR LINE PIPE AND METHOD FOR PRODUCING THE SAME

2023365001 **LIFENET HEALTH** The nature of the amendment is as shown in the statement filed 27 May 2025

**2024**

2024361198 **HANGZHOU EMUST TECHNOLOGY CO., LTD.** The nature of the amendment is: Amend the invention title to read MULTI-FLOW-PATH PROCESS GAS ONLINE ANALYSIS PRETREATMENT APPARATUS

**2025**

2025203414 **The General Hospital Corporation; Region of Southern Denmark; University of Southern Denmark** The nature of the amendment is: Amend the name of the inventor to read Maus, Marcela V.; Ormhøj, Maria and Barington, Torben

**Alteration of Name(s) of Applicant(s)/Patentee(s)****2021**

2021296649 Rosetta Exosome Co., Ltd. The name of the applicant has been altered to **SL BiGen, Inc.**

**2024**

2024902385 Flinders University The name of the applicant has been altered to **Flinders University; University of New South Wales**

Applications Open to Public Inspection

Name Index

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

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(71) Zseventy bio, Inc.  
 (11) AU-A-2025203679  
 (21) 2025203679 (22) 20.05.2025  
 (54) MND PROMOTER CHIMERIC ANTI-GEN RECEPTORS  
 (51) Int. Cl.  
     **C07K 14/705** ( 2006.01 )  
     **A61K 48/00** ( 2006.01 )  
     **C07K 16/30** ( 2006.01 )  
     **C12N 5/00** ( 2006.01 )  
     **C12N 5/071** ( 2010.01 )  
     **C12N 15/85** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2022203195  
 (72) MORGAN, Richard; FRIEDMAN, Kevin; RYU, Byoung  
 (74) Davies Collison Cave Pty Ltd

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(71) Abiomed Europe GmbH  
 (11) AU-A-2025203621  
 (21) 2025203621 (22) 19.05.2025  
 (54) Corrosion-resistant permanent magnet and intravascular blood pump comprising the magnet  
 (51) Int. Cl.  
     **H01F 41/02** ( 2006.01 )  
     **F16C 1/00** ( 2006.01 )  
     **H01F 7/02** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2023203189  
 (72) MOURRAN, Claudia; SIESS, Thorsten  
 (74) Spruson & Ferguson

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(71) Alcon Inc.  
 (11) AU-A-2025203809  
 (21) 2025203809 (22) 23.05.2025  
 (54) VITRECTOMY PROBE  
 (51) Int. Cl.  
     **A61F 9/007** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2023255053  
 (72) McDonell, Brian William; McCawley, Matthew Douglas; Valencia, Salomon; Underwood, John R.; Ryan, Timothy C.; Lopez, Jose Luis; Auld, Jack Robert  
 (74) PHILLIPS ORMONDE FITZPATRICK

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(71) Applied Medical Resources Corporation  
 (11) AU-A-2025203788  
 (21) 2025203788 (22) 22.05.2025  
 (54) Systems and methods for tissue removal  
 (51) Int. Cl.  
     **A61B 17/34** ( 2006.01 )  
     **A61B 17/00** ( 2006.01 )  
     **A61B 17/32** ( 2006.01 )  
     **A61B 17/02** ( 2006.01 )  
     **A61B 17/3211** ( 2006.01 )

(43) 12.06.2025  
 (62) 2022287608  
 (72) WACHLI, Serene; BRESLIN, Tracy; KESSLER, Steven; POULSEN, Nikolai; COLLINS, Nathan; DO, Alexandra; BOLANOS, Eduardo; PRAVONG, Boun; ELLIOTT, Patrick; WIXEY, Matthew; YOUNG, Wayne; FILEK, Jacob; CASTELO, Kevin; HOKE, Adam; HOFSTETTER, Greg; DeMARCHI, Jacqueline; GARCES, Amy; HOLMES, Heidi; SHEEHAN, Alexander  
 (74) Griffith Hack

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(71) Aristocrat Technologies, Inc.  
 (11) AU-A-2024227247  
 (21) 2024227247 (22) 11.10.2024  
 (54) Lever apparatus with a display module for supplementing a main display of a gaming machine  
 (51) Int. Cl.  
     **A63F 13/90** ( 2014.01 )  
     **A63F 9/24** ( 2006.01 )  
     **A63F 13/245** ( 2014.01 )  
     **A63F 13/48** ( 2014.01 )  
     **G07F 17/34** ( 2006.01 )  
 (31) 18/523,083 (32) 29.11.23 (33) US  
 (43) 12.06.2025  
 (72) Rodriguez, Frank; Nishimura, Shanon  
 (74) Griffith Hack

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(71) Aristocrat Technologies, Inc.  
 (11) AU-A-2024266867  
 (21) 2024266867 (22) 25.11.2024  
 (54) SYSTEMS AND METHODS FOR PROVIDING TRANSIENT FEATURES ASSOCIATED WITH OUTPUTS IN ELECTRONIC GAMING  
 (51) Int. Cl.  
     **G07F 17/32** ( 2006.01 )  
 (31) 18/956,575 (32) 22.11.24 (33) US  
     63/604,099 29.11.23 US  
     63/603,841 29.11.23 US  
 (43) 12.06.2025  
 (72) DECASA Jr., Rogelio; FARINA, Nicholas; SANBORN, Hanna; LOCKHEED, Kelly  
 (74) James & Wells Intellectual Property

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(71) Asada Ladies Clinic  
 (11) AU-A-2025203735  
 (21) 2025203735 (22) 21.05.2025  
 (54) EMBRYO CULTURING APPARATUS AND METHOD FOR DISPLAYING TREATED EGG MAINTAINED IN CULTURE ENVIRONMENT  
 (51) Int. Cl.  
     **C12M 3/00** ( 2006.01 )

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(43) 12.06.2025  
 (62) 2021421885  
 (72) Fukunaga, Noritaka  
 (74) PHILLIPS ORMONDE FITZPATRICK

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(71) Avadain, LLC  
 (11) AU-A-2025203746  
 (21) 2025203746 (22) 21.05.2025  
 (54) GRAPHENE AND THE PRODUCTION OF GRAPHENE  
 (51) Int. Cl.  
     **C25B 1/00** ( 2021.01 )  
     **H01M 4/587** ( 2010.01 )  
 (43) 12.06.2025  
 (62) 2024200233  
 (72) Nebel, Christoph E.; Hoffmann, René; Roscher, Sarah  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Avidity Biosciences, Inc.  
 (11) AU-A-2025203731  
 (21) 2025203731 (22) 21.05.2025  
 (54) Nucleic acid-polypeptide compositions and uses thereof  
 (51) Int. Cl.  
     **C07K 16/28** ( 2006.01 )  
     **A61K 31/713** ( 2006.01 )  
     **C12N 15/113** ( 2010.01 )  
 (43) 12.06.2025  
 (62) 2018346507  
 (72) GEALL, Andrew John; DOPPALAPUDI, Venkata Ramana; ARIAS, Joel Daniel; CHU, David Sai-Ho; COCHRAN, Michael Caramian; BURKE, Rob; KOVACH, Philip; MALECOVA, Barbora  
 (74) FB Rice Pty Ltd

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(71) Ballisto Cricket Ltd  
 (11) AU-A-2024266985  
 (21) 2024266985 (22) 28.11.2024  
 (54) CRICKET BOWLING APPARATUS  
 (51) Int. Cl.  
     **A63B 69/40** ( 2006.01 )  
     **A63B 43/04** ( 2006.01 )  
 (31) 2318142.3 (32) 28.11.23 (33) GB  
 (43) 12.06.2025  
 (72) CARLING, Brian  
 (74) BOSH IP Pty Ltd

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(71) Baxter Healthcare SA; Baxter International Inc.  
 (11) AU-A-2025203618  
 (21) 2025203618 (22) 19.05.2025  
 (54) DISPOSABLE CASSETTE CONDITIONING SYSTEM AND METHOD  
 (51) Int. Cl.  
     **A61M 1/14** ( 2006.01 )  
     **A61M 1/34** ( 2006.01 )  
     **A61M 1/36** ( 2006.01 )

Applications Open to Public Inspection - Name Index cont'd

(43) 12.06.2025  
 (62) 2019299422  
 (72) WILCOX, Matthew David  
 (74) K&L Gates

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**Baxter International Inc. see Baxter Health-care SA**  
 (21) 2025203618

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(71) BBI Medical Innovations, LLC  
 (11) AU-A-2025203795  
 (21) 2025203795 (22) 22.05.2025  
 (54) Measurement of tissue viability  
 (51) Int. Cl.  
**A61B 5/00** ( 2006.01 )

(43) 12.06.2025  
 (62) 2023229585  
 (72) BURNS, Martin F.; BARRINGTON, Sara; ROSS, Graham O.  
 (74) Spruson & Ferguson

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(71) Beck, P.  
 (11) AU-A-2024203131  
 (21) 2024203131 (22) 11.05.2024  
 (54) WEIGHTED ZIPPER PULL  
 (51) Int. Cl.  
**A63B 5/11** ( 2006.01 )  
**A63B 71/00** ( 2006.01 )  
 (31) 63/603,925 (32) 29.11.23 (33) US  
 18/658,675 05.05.24 US  
 (43) 12.06.2025  
 (72) Beck, Paul  
 (74) RnB IP Pty Ltd

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(71) Bend-tech Investments 1 Pty Ltd  
 (11) AU-A-2024267032  
 (21) 2024267032 (22) 29.11.2024  
 (54) Shedder  
 (51) Int. Cl.  
**B65G 21/08** ( 2006.01 )  
**B65D 19/06** ( 2006.01 )  
**B65D 71/00** ( 2006.01 )  
**B65G 21/10** ( 2006.01 )  
**E04G 21/32** ( 2006.01 )  
**E21D 19/00** ( 2006.01 )  
 (31) 2023903853 (32) 29.11.23 (33) AU  
 2023903984 08.12.23 AU  
 (43) 12.06.2025  
 (72) Fawkes, James; Mead, Clyde; Bryant, Alan; Dowell, Kelvin  
 (74) Armour IP

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(71) BGRIMM MTC TECHNOLOGY CO., LTD.  
 (11) AU-A-2024266854  
 (21) 2024266854 (22) 19.11.2024  
 (54) LIBS SYSTEM BASED ON DUAL-MODE SPECTRAL ACQUISITION  
 (51) Int. Cl.  
**G01J 3/02** ( 2006.01 )  
**G01J 3/44** ( 2006.01 )  
**G01N 21/71** ( 2006.01 )  
 (31) 202311616916.5 (32) 29.11.23 (33) CN  
 (43) 12.06.2025  
 (72) SHI, Yehong; HAN, Pengcheng; ZHAO, Zhen; LI, Huachang; FANG, Shengnan;

YANG, Fei; XU, Bicong; XIA, Jingyuan;  
 WANG, Xuan; FENG, Xianjin; XIAO, Shan; OU, Zhibing; SUN, Jialiang  
 (74) Remarkable IP

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(71) BioNTech SE; Johannes Gutenberg-Universität Mainz  
 (11) AU-A-2025203628  
 (21) 2025203628 (22) 19.05.2025  
 (54) RNA particles comprising polysarcosine  
 (51) Int. Cl.  
**A61K 47/34** ( 2017.01 )  
**A61K 31/195** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**C07K 1/06** ( 2006.01 )  
**C08G 69/10** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2019353930  
 (72) BARZ, Matthias; WEBER, Benjamin; HAAS, Heinrich; HELLER, Philipp; NOGUEIRA, Sara; SCHLEGEL, Anne  
 (74) FB Rice Pty Ltd

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(71) Biosense Webster (Israel) Ltd.  
 (11) AU-A-2024266896  
 (21) 2024266896 (22) 26.11.2024  
 (54) Automated control of an electrical connection joining process  
 (51) Int. Cl.  
**G01R 27/02** ( 2006.01 )  
**A61B 5/287** ( 2021.01 )  
**A61B 18/14** ( 2006.01 )  
**G01R 1/02** ( 2006.01 )  
 (31) 18/890,889 (32) 20.09.24 (33) US  
 63/603,144 28.11.23 US  
 (43) 12.06.2025  
 (72) GOVARI, Assaf; ALTMANN, Andres Claudio; SITNITSKY, Ilya; SHECHTMAN, Alexander; FUCHS, Amit  
 (74) Spruson & Ferguson

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(71) Boston Scientific Scimed, Inc.  
 (11) AU-A-2025203673  
 (21) 2025203673 (22) 20.05.2025  
 (54) Vapor ablation systems and methods  
 (51) Int. Cl.  
**A61B 17/00** ( 2006.01 )  
**A61B 18/00** ( 2006.01 )  
**A61B 18/04** ( 2006.01 )  
**A61B 18/12** ( 2006.01 )  
**A61B 18/14** ( 2006.01 )  
**A61B 18/18** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2023222942  
 (72) HOEY, Michael; HASTINGS, Roger Noel; SCHROM, Mark; CARLSON, Steven; BYRNE, Matthew; WOO, Karliam C.; JERKE, Eric; KRAVIK, Richard Charles  
 (74) Spruson & Ferguson

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(71) Boston Scientific Scimed, Inc.  
 (11) AU-A-2025203690  
 (21) 2025203690 (22) 20.05.2025  
 (54) Endoscopic patch applicator  
 (51) Int. Cl.  
**A61M 25/00** ( 2006.01 )

**A61M 31/00** ( 2006.01 )  
**A61M 37/00** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2020266817  
 (72) KING, Joseph W.; SAENZ VIL-LALOBOS, Gonzalo Jose; FAVREAU, John T.; LYDECKER, Lauren S.  
 (74) Spruson & Ferguson

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(71) BPGbio, Inc.  
 (11) AU-A-2025203727  
 (21) 2025203727 (22) 21.05.2025  
 (54) Systems and methods for patient stratification and identification of potential biomarkers  
 (51) Int. Cl.  
**G01N 33/48** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**G16B 25/00** ( 2019.01 )  
 (43) 12.06.2025  
 (62) 2023203322  
 (72) NARAIN, Niven Rajin; AKMAEV, Viatcheslav R.; RODRIGUES, Leonardo; MILLER, Gregory Mark  
 (74) Spruson & Ferguson

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

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(71) Buist, C.  
 (11) AU-A-2023270331  
 (21) 2023270331 (22) 24.11.2023  
 (54) TILTING DOOR ASSEMBLY  
 (51) Int. Cl.  
**E05D 13/00** ( 2006.01 )  
**E05D 15/38** ( 2006.01 )  
**E05F 1/02** ( 2006.01 )  
**E06B 3/50** ( 2006.01 )  
 (43) 12.06.2025  
 (72) Craig Buist  
 (74) Catalyst Intellectual Property

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(71) Canva Pty Ltd  
 (11) AU-A-2023270351  
 (21) 2023270351 (22) 24.11.2023  
 (54) Systems and methods for automatically animating design elements  
 (51) Int. Cl.  
**G06T 13/80** ( 2011.01 )  
**G06F 18/213** ( 2023.01 )  
**G06T 11/60** ( 2006.01 )  
**G06F 40/186** ( 2020.01 )  
**G06N 3/0455** ( 2023.01 )  
**G06N 3/0475** ( 2023.01 )  
 (43) 12.06.2025  
 (72) Mathew James Paul Manning; Elijah Alexander Sheppard; Ashley Alexander Brock  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Capewest Investments Pty Ltd  
 (11) AU-A-2023270352  
 (21) 2023270352 (22) 24.11.2023  
 (54) Apparatus for use in forestry or revegetation applications  
 (51) Int. Cl.

Applications Open to Public Inspection - Name Index cont'd

**A01B 49/06** ( 2006.01 )  
**A01B 79/02** ( 2006.01 )  
**A01C 5/06** ( 2006.01 )  
**A01C 11/00** ( 2006.01 )  
**(43)** 12.06.2025  
**(72)** Robert Mario GIURA  
**(74)** Integrated IP

**(71)** Capital One Services, LLC  
**(11)** AU-A-2025203671  
**(21)** 2025203671 **(22)** 20.05.2025  
**(54)** Systems and methods for cryptographic authentication of contactless cards  
**(51)** Int. Cl.  
**G06Q 20/32** ( 2012.01 )  
**H04B 5/00** ( 2024.01 )  
**H04W 4/80** ( 2018.01 )  
**H04W 12/06** ( 2021.01 )  
**(43)** 12.06.2025  
**(62)** 2019354637  
**(72)** RULE, Jeffrey; HENG, Melissa; ASH-FIELD, James; HART, Colin; ILINCIC, Rajko; LUTZ, Wayne  
**(74)** Spruson & Ferguson

**(71)** Cardioguidance Biomedical, LLC  
**(11)** AU-A-2025203765  
**(21)** 2025203765 **(22)** 21.05.2025  
**(54)** Guidewire navigation system with direct visualization feature  
**(51)** Int. Cl.  
**A61M 25/092** ( 2006.01 )  
**A61M 25/095** ( 2006.01 )  
**A61M 25/098** ( 2006.01 )  
**A61M 25/14** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2022218591  
**(72)** MILLER, Scott  
**(74)** GLMR

**(71)** Cardurion Pharmaceuticals, Inc.  
**(11)** AU-A-2025203611  
**(21)** 2025203611 **(22)** 19.05.2025  
**(54)** PDE9 inhibitors for treating sickle cell disease  
**(51)** Int. Cl.  
**A61K 31/4985** ( 2006.01 )  
**C07D 487/04** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2019328299  
**(72)** CALAMAI, Edward George; DOBBINS, Deborah Lynn Leithead; DEHART, Michael Paul; MCARTHUR, James; FOO, Shi Yin  
**(74)** FB Rice Pty Ltd

**(71)** CARL FREUDENBERG KG  
**(11)** AU-A-2025203812  
**(21)** 2025203812 **(22)** 23.05.2025  
**(54)** METHOD FOR ELECTRONICALLY DOCUMENTING A CLEANING PROCESS  
**(51)** Int. Cl.  
**G06Q 10/06** ( 2023.01 )  
**A47L 13/20** ( 2006.01 )  
**G06Q 50/10** ( 2012.01 )

**(43)** 12.06.2025  
**(62)** 2021436649  
**(72)** FOMIN, Pavel; ZIELBAUER, Manfred; KOSUB, Mike; LAMBROU, Theofanis; EISENHUT, Andreas  
**(74)** Halfords IP

**(71)** Carrier Japan Corporation  
**(11)** AU-A-2024266714  
**(21)** 2024266714 **(22)** 20.11.2024  
**(54)** HEAT SOURCE APPARATUS  
**(51)** Int. Cl.  
**F24F 11/41** ( 2018.01 )  
**F24F 1/06** ( 2011.01 )  
**F24F 11/89** ( 2018.01 )  
**(31)** 2023-199111 **(32)** 24.11.23 **(33)** JP  
**(43)** 12.06.2025  
**(72)** Murase, Masashi; Miura, Takumi; Takatsuka, Koya; Takayama, Tsukasa  
**(74)** ET Intellectual Property

**(71)** Case Western Reserve University  
**(11)** AU-A-2025203549  
**(21)** 2025203549 **(22)** 15.05.2025  
**(54)** Targeting B cell activating factor receptor (BAFF-R) using ligand-based chimeric antigen receptor (CAR)-T cells  
**(51)** Int. Cl.  
**A61K 39/00** ( 2006.01 )  
**A61K 35/17** ( 2015.01 )  
**A61P 35/02** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
**C07K 14/705** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**C12N 5/0783** ( 2010.01 )  
**C12N 5/10** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2020358483  
**(72)** PARAMESWARAN, Reshmi  
**(74)** ACROGON GROUP PTY LTD

**(71)** Caterpillar Inc.  
**(11)** AU-A-2025203842  
**(21)** 2025203842 **(22)** 23.05.2025  
**(54)** Retention system for attaching tool bits to a blade assembly  
**(51)** Int. Cl.  
**E02F 3/815** ( 2006.01 )  
**E02F 9/28** ( 2006.01 )  
**E21C 35/193** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2019252777  
**(72)** PARZYNSKI JR., David B.; CONGDON, Thomas M.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** CATERPILLAR INC.  
**(11)** AU-A-2025203833  
**(21)** 2025203833 **(22)** 23.05.2025  
**(54)** Work implement assembly using adapters, adapter covers, and a notched base edge  
**(51)** Int. Cl.  
**E02F 9/28** ( 2006.01 )

**(43)** 12.06.2025  
**(62)** 2021383593  
**(72)** SINN, Eric; SERRURIER, Douglas C.; YOEU, Rammagy  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** CEFALY Technology SPRL  
**(11)** AU-A-2025203846  
**(21)** 2025203846 **(22)** 23.05.2025  
**(54)** External trigeminal nerve stimulation for the acute non-invasive treatment of migraine attacks  
**(51)** Int. Cl.  
**A61N 1/36** ( 2006.01 )  
**A61N 1/04** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2023200288  
**(72)** Rigaux, Pierre  
**(74)** Griffith Hack

**(71)** CHAPMAN, T.A.; TIPP, D.; BRAGG, S.; PEEQ INDUSTRIES, INC.  
**(11)** AU-A-2025203818  
**(21)** 2025203818 **(22)** 23.05.2025  
**(54)** PERSONAL CLEANSING DEVICE  
**(51)** Int. Cl.  
**A61H 23/02** ( 2006.01 )  
**A47K 7/02** ( 2006.01 )  
**A61C 17/34** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2023206929  
**(72)** CHAPMAN, Thomas; TIPP, David; CHAPMAN, Cheryl; WOLFE, Christopher; WOLFE, Jaime; AZIZ-SEIBL, Razia; MORRIS, Richard; TIPP, Alan; GRIDLEY, Curtis; HOOVER, Tracy; BRAGG, Scott  
**(74)** Cooper IP Pty Ltd

**(71)** Chester Brown Industries Pty Ltd  
**(11)** AU-A-2024266837  
**(21)** 2024266837 **(22)** 24.11.2024  
**(54)** Agricultural Storage Assembly  
**(51)** Int. Cl.  
**B65D 25/00** ( 2006.01 )  
**B65G 3/02** ( 2006.01 )  
**(31)** 2023903799 **(32)** 24.11.23 **(33)** AU  
**(43)** 12.06.2025  
**(72)** Chester, Peter  
**(74)** MEYER WEST IP

**(71)** CHINA UNIVERSITY OF MINING AND TECHNOLOGY  
**(11)** AU-A-2024354213  
**(21)** 2024354213 **(22)** 12.10.2024  
**(54)** LIGHTWEIGHT ACTIVE ONLINE MODELING METHOD FUSING MECHANISM AND DYNAMIC MEMORY  
**(51)** Int. Cl.  
**G06F 18/25** ( 2023.01 )  
**G06F 17/16** ( 2006.01 )  
**G06F 18/15** ( 2023.01 )  
**G06F 18/214** ( 2023.01 )  
**G06F 18/22** ( 2023.01 )  
**G06F 18/27** ( 2023.01 )  
**(31)** 202311611009.1 **(32)** 29.11.23 **(33)** CN

Applications Open to Public Inspection - Name Index cont'd

(43) 12.06.2025  
 (72) DAI, Wei; LIU, Xin; WANG, Yudong; WANG, Lanhao; DONG, Liang; XIA, Zhenxing; JIAN, Zhonghua  
 (74) Madderns Pty Ltd

(71) Coloplast A/S  
 (11) AU-A-2025203625  
 (21) 2025203625 (22) 19.05.2025  
 (54) A urinary catheter  
 (51) Int. Cl.  
 A61M 25/00 ( 2006.01 )  
 A61M 27/00 ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2020219157  
 (72) BAGER, Kim; THINGBAK, Frederik Seier Wermuth  
 (74) FB Rice Pty Ltd

(71) Cornell University  
 (11) AU-A-2025203843  
 (21) 2025203843 (22) 23.05.2025  
 (54) 18F-labeled peptide ligands useful in PET and Cerenkov luminescence imaging  
 (51) Int. Cl.  
 C07K 7/08 ( 2006.01 )  
 A61K 35/04 ( 2006.01 )  
 A61K 51/08 ( 2006.01 )  
 A61K 51/10 ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2018389100  
 (72) BABICH, John W.  
 (74) FB Rice Pty Ltd

(71) C Y O'Connor Erade Village Foundation Incorporated  
 (11) AU-A-2025203687  
 (21) 2025203687 (22) 20.05.2025  
 (54) Methods for measuring and monitoring a meat characteristic of a livestock animal from a sample obtained from a non-meat location of the livestock  
 (51) Int. Cl.  
 G01N 33/12 ( 2006.01 )  
 G01N 33/48 ( 2006.01 )  
 G01N 33/483 ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2023203139  
 (72) LLOYD, Sally Stevens; VALENZUELA, Jose L.; DAWKINS, Roger Letts  
 (74) WRAYS PTY LTD

(71) Daewoong Therapeutics Inc.  
 (11) AU-A-2023270354  
 (21) 2023270354 (22) 24.11.2023  
 (54) Bowel-cleansing composition  
 (51) Int. Cl.  
 A61K 33/06 ( 2006.01 )  
 A61K 9/00 ( 2006.01 )  
 A61K 9/20 ( 2006.01 )  
 A61K 31/4402 ( 2006.01 )  
 A61K 31/4525 ( 2006.01 )  
 A61K 33/04 ( 2006.01 )  
 A61P 1/10 ( 2006.01 )

(43) 12.06.2025  
 (72) Sang Han PARK; Min Hyung KANG; Hyun Ju CHOI; Seung Jun KANG; Sun Yong YANG  
 (74) Spruson & Ferguson

(71) Darley Aluminium Trading Pty Ltd  
 (11) AU-A-2023274069  
 (21) 2023274069 (22) 27.11.2023  
 (54) Sill Roller Assembly  
 (51) Int. Cl.  
 E05D 15/06 ( 2006.01 )  
 (43) 12.06.2025  
 (72) Andrew Goggin; Seho Kim; Joshua Forrester  
 (74) MEYER WEST IP

(71) Deere & Company  
 (11) AU-A-2024227104  
 (21) 2024227104 (22) 04.10.2024  
 (54) Sugarcane harvester machine data based sugar prediction and mapping  
 (51) Int. Cl.  
 A01D 45/10 ( 2006.01 )  
 A01D 41/127 ( 2006.01 )  
 (31) 18/522,780 (32) 29.11.23 (33) US  
 (43) 12.06.2025  
 (72) Buss, Jason C.  
 (74) Davies Collison Cave Pty Ltd

(71) Deere & Company  
 (11) AU-A-2025203724  
 (21) 2025203724 (22) 21.05.2025  
 (54) Residue detection system  
 (51) Int. Cl.  
 A01M 7/00 ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2019205967  
 (72) Dunkel, Kathryn L.; Humpal, Richard A.  
 (74) Davies Collison Cave Pty Ltd

(71) Dexcom, Inc.  
 (11) AU-A-2025203789  
 (21) 2025203789 (22) 22.05.2025  
 (54) Systems and methods relating to an analyte sensor system having a battery located within a disposable base  
 (51) Int. Cl.  
 A61B 5/145 ( 2006.01 )  
 A61B 5/00 ( 2006.01 )  
 G01N 33/00 ( 2006.01 )  
 G01N 33/50 ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2019262216  
 (72) SHAH, Neel Narayan; GRAY, John Michael; HALAC, Jason; HOFFMEIER, Carl Erich; JOHNSTON, Neal Davis; KALFAS, Nicholas; GENNRICH, David J.; BETTMAN, Matthew; GOBRECHT, Eric; KOPLIN, Randall Scott; BRAUNSTEIN, Ryan Marc; LEE, Young Woo  
 (74) FB Rice Pty Ltd

(71) Dexcom, Inc.  
 (11) AU-A-2025203790  
 (21) 2025203790 (22) 22.05.2025

(54) Transcutaneous analyte sensor systems and methods  
 (51) Int. Cl.  
 A61B 5/00 ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2023201514  
 (72) HALAC, Jason; GRAY, John Michael; JOHNSTON, Neal Davis; ENGLAND, Justen Deering; SIMPSON, Peter C.; NEALE, Paul V.; BLACKWELL, Jennifer; WELLS, Maria Noel Brown; PIRONDINI, Kenneth; REINHARDT, Andrew Michael; KEMPKEY, Mark Douglas  
 (74) FB Rice Pty Ltd

(71) Dexcom, Inc.  
 (11) AU-A-2025203791  
 (21) 2025203791 (22) 22.05.2025  
 (54) Systems and method for activating analyte sensor electronics  
 (51) Int. Cl.  
 A61B 5/145 ( 2006.01 )  
 A61B 5/05 ( 2021.01 )  
 A61B 5/1473 ( 2006.01 )  
 A61B 5/1495 ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2019263295  
 (72) HALAC, Jason; BOHM, Sebastian; CRABTREE, Vincent Peter; DERENZY, David; DERVAES, Mark S.; KALFAS, Nicholas; MCDANIEL, Zebediah L.; MOORE, Michael Levozier; NE-WHOUSE, Todd Andrew; PLOOF, Michael A.; REICHERT, Stephen Alan; SIMPSON, Peter C.; TEETER, Alexander Leroy; GARCIA, Rodolfo; PIOTROWIAK, Jaroslav; O'CONNELL, Thomas George; DORIA, Arlene G.  
 (74) FB Rice Pty Ltd

(71) Dexcom, Inc.  
 (11) AU-A-2025203792  
 (21) 2025203792 (22) 22.05.2025  
 (54) System and method for mode switching  
 (51) Int. Cl.  
 A61B 5/145 ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2023202976  
 (72) BOWMAN, Leif N.; BHAVARAJU, Naresh C.; BLOOM, Michael A.; CARLTON, Alexandra Lynn; KOEHLER, Katherine Yerre; HAMPAPURAM, Hari; JEPSON, Lauren Hruby; HUGHES, Jonathan; KAMATH, Apurv Ullas; DAVIS, Anna Leigh; SIMPSON, Peter C.; VANSLYKE, Stephen J.  
 (74) FB Rice Pty Ltd

(71) Digital Diagnostics Inc.  
 (11) AU-A-2025203739  
 (21) 2025203739 (22) 21.05.2025  
 (54) Monitoring surface cleaning of medical surfaces using video streaming  
 (51) Int. Cl.  
 A61L 2/24 ( 2006.01 )  
 A47K 7/04 ( 2006.01 )  
 A61B 90/80 ( 2016.01 )  
 B08B 7/04 ( 2006.01 )

Applications Open to Public Inspection - Name Index cont'd

- G08B 21/24** ( 2006.01 )  
**G16H 40/20** ( 2018.01 )  
**(43)** 12.06.2025  
**(62)** 2020302909  
**(72)** FERRANTE, Joseph; GROSS, Kelsey, J.; SWART, Elliot  
**(74)** FB Rice Pty Ltd
- 
- (71)** Dometic Sweden AB  
**(11)** AU-A-2024264625  
**(21)** 2024264625 **(22)** 13.11.2024  
**(54)** Handle and vehicle-mounted refrigerator  
**(51)** Int. Cl.  
**E05B 65/00** ( 2006.01 )  
**B60N 3/10** ( 2006.01 )  
**E05B 1/00** ( 2006.01 )  
**E05B 15/00** ( 2006.01 )  
**F25D 23/02** ( 2006.01 )  
**(31)** 202323245325X **(32)** 29.11.23 **(33)** CN  
**(43)** 12.06.2025  
**(72)** LUNDQVIST, Anton; HU, Yabo; WANG, Peng  
**(74)** Spruson & Ferguson
- 
- (71)** Dow Global Technologies LLC  
**(11)** AU-A-2025203797  
**(21)** 2025203797 **(22)** 22.05.2025  
**(54)** DEEP REINFORCEMENT LEARNING FOR PRODUCTION SCHEDULING  
**(51)** Int. Cl.  
**G06Q 10/00** ( 2023.01 )  
**G06Q 10/06** ( 2023.01 )  
**(43)** 12.06.2025  
**(62)** 2019364195  
**(72)** Hubbs, Christian; Wassick, John Martin  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** Eacon Technology Co., Ltd.  
**(11)** AU-A-2025203744  
**(21)** 2025203744 **(22)** 21.05.2025  
**(54)** METHOD AND APPARATUS FOR CONTROLLING UNMANNED VEHICLE  
**(51)** Int. Cl.  
**G06N 3/0985** ( 2023.01 )  
**B60W 60/00** ( 2020.01 )  
**G06N 3/02** ( 2006.01 )  
**G06N 3/08** ( 2023.01 )  
**G06N 20/00** ( 2019.01 )  
**(31)** 202410749489.6 **(32)** 12.06.24 **(33)** CN  
**(43)** 12.06.2025  
**(72)** Lin, Qiao; Li, Jizhi; Feng, Yonggang; Wang, Lei  
**(74)** Madderns Pty Ltd
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- (71)** Edwards Lifesciences Corporation  
**(11)** AU-A-2025203626  
**(21)** 2025203626 **(22)** 19.05.2025  
**(54)** Expandable sheath  
**(51)** Int. Cl.  
**A61F 2/24** ( 2006.01 )  
**A61F 2/962** ( 2013.01 )  
**(43)** 12.06.2025  
**(62)** 2019253565  
**(72)** GOLDBERG, Eran; AXELROD, Noa; NEUMANN, Yair A.; MANASH, Boaz; MAIMON, David; LEIBA, Eyal; SCHNEIDER, Ralph; TAYEB, Liron  
**(74)** Spruson & Ferguson
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- (71)** Eli Lilly and Company  
**(11)** AU-A-2025203804  
**(21)** 2025203804 **(22)** 22.05.2025  
**(54)** FARNESOID X RECEPTOR AGONISTS AND USES THEREOF  
**(51)** Int. Cl.  
**A61K 31/422** ( 2006.01 )  
**A61K 31/4245** ( 2006.01 )  
**A61K 31/428** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2019344903  
**(72)** SMITH, Nicholas D.; GOVEK, Steven P.; DOUGLAS, Karensa L.; LAI, Andliya G.  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** Elmer's Welding & Manufacturing Ltd.  
**(11)** AU-A-2024203756  
**(21)** 2024203756 **(22)** 04.06.2024  
**(54)** GROUND PRESSURE CONTROL FOR AGRICULTURAL IMPLEMENT  
**(51)** Int. Cl.  
**A01B 23/04** ( 2006.01 )  
**A01B 19/02** ( 2006.01 )  
**A01B 19/10** ( 2006.01 )  
**A01B 63/32** ( 2006.01 )  
**A01B 73/04** ( 2006.01 )  
**(31)** 63/603,938 **(32)** 29.11.23 **(33)** US  
**(43)** 12.06.2025  
**(72)** BOILEAU, Rheal; DERRACH, Owen; DAVIS, Ray  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
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- (71)** EVIE SA  
**(11)** AU-A-2025203704  
**(21)** 2025203704 **(22)** 20.05.2025  
**(54)** LOADED GRANULES, THEIR PROCESS OF PRODUCTION AND THEIR USES  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A23L 33/00** ( 2016.01 )  
**A61K 9/16** ( 2006.01 )  
**A61K 9/50** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2020335245  
**(72)** SUID, Xavier  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** FalCom A/S  
**(11)** AU-A-2024266748  
**(21)** 2024266748 **(22)** 20.11.2024  
**(54)** Joint assembly for a helmet system  
**(51)** Int. Cl.  
**A42B 3/16** ( 2006.01 )  
**F41H 1/04** ( 2006.01 )  
**(31)** 23212055.0 **(32)** 24.11.23 **(33)** EP  
**(43)** 12.06.2025  
**(72)** IPSEN, Klaus Sommer  
**(74)** FB Rice Pty Ltd
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- (71)** Ferring Microbiome Inc.  
**(11)** AU-A-2025203820  
**(21)** 2025203820 **(22)** 23.05.2025  
**(54)** Microbiota restoration therapy (MRT) compositions and methods of manufacture  
**(51)** Int. Cl.  
**A61K 35/74** ( 2015.01 )  
**A61P 1/00** ( 2006.01 )  
**A61P 1/14** ( 2006.01 )  
**A61P 31/04** ( 2006.01 )  
**(43)** 12.06.2025  
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**(72)** JONES, Lee A.; JONES, Courtney R.; BROWN, Beth Anne-Szkudlarek; ERICKSON, Joshua  
**(74)** Griffith Hack
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- (71)** Fin Stabilisers International Pty Ltd  
**(11)** AU-A-2024266891  
**(21)** 2024266891 **(22)** 26.11.2024  
**(54)** BOAT HULL STABILISER FIN DEPLOYMENT SYSTEM  
**(51)** Int. Cl.  
**B63B 39/06** ( 2006.01 )  
**B63B 43/04** ( 2006.01 )  
**B63B 1/24** ( 2020.01 )  
**B63B 1/30** ( 2006.01 )  
**B63B 7/00** ( 2020.01 )  
**(31)** 2023903806 **(32)** 27.11.23 **(33)** AU  
**(43)** 12.06.2025  
**(72)** O'Connor, Brendon  
**(74)** SOUTHERN CROSS INTELLECTUAL PROPERTY PTY LTD
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- (71)** FISHER & PAYKEL HEALTHCARE LIMITED  
**(11)** AU-A-2025203608  
**(21)** 2025203608 **(22)** 19.05.2025  
**(54)** A PATIENT INTERFACE, SYSTEM AND METHOD  
**(51)** Int. Cl.  
**A61M 16/06** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2023200943  
**(72)** RONAYNE, Michael Paul  
**(74)** AJ PARK
- 
- (71)** FISHER & PAYKEL HEALTHCARE LIMITED  
**(11)** AU-A-2025203674  
**(21)** 2025203674 **(22)** 20.05.2025  
**(54)** AN INTERFACE  
**(51)** Int. Cl.  
**A61M 16/06** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2022291466  
**(72)** TATKOV, Stanislav  
**(74)** AJ PARK
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- (71)** FISHER & PAYKEL HEALTHCARE LIMITED  
**(11)** AU-A-2025203708  
**(21)** 2025203708 **(22)** 20.05.2025  
**(54)** Respiratory interface  
**(51)** Int. Cl.  
**A61M 16/06** ( 2006.01 )

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 (72) SALMON, Andrew Paul Maxwell;  
 PINKHAM, Maximilian Ichabod;  
 TATKOV, Stanislav  
 (74) AJ PARK

(71) FIZE MEDICAL LTD.  
 (11) AU-A-2025203826  
 (21) 2025203826 (22) 23.05.2025  
 (54) Measuring urine production and other  
 urine-related parameters  
 (51) Int. Cl.  
**A61M 1/00** ( 2006.01 )  
**A61B 5/20** ( 2006.01 )  
**A61F 2/04** ( 2013.01 )  
**A61F 5/44** ( 2006.01 )  
**A61M 39/28** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2022258933  
 (72) LEVINE, Noam; KOLODNY, Yuval;  
 HERMANN, Baruch Yehuda  
 (74) FPA Patent Attorneys Pty Ltd

(71) Flinders University  
 (11) AU-A-2025203802  
 (21) 2025203802 (22) 22.05.2025  
 (54) Decision support software system for  
 sleep disorder identification  
 (51) Int. Cl.  
**G16H 50/20** ( 2018.01 )  
**G16H 20/00** ( 2018.01 )  
**G16H 80/00** ( 2018.01 )  
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 (72) VAKULIN, Andrey; CATCHESIDE,  
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 Craig E.  
 (74) FB Rice Pty Ltd

(71) Fortescue Zero Limited  
 (11) AU-A-2024266889  
 (21) 2024266889 (22) 26.11.2024  
 (54) Electric current sensor  
 (51) Int. Cl.  
**G01R 33/07** ( 2006.01 )  
**G01R 15/20** ( 2006.01 )  
**G01R 19/00** ( 2006.01 )  
 (31) 2318052.4 (32) 27.11.23 (33) GB  
 (43) 12.06.2025  
 (72) Sprenger, Jake  
 (74) Allens Patent & Trade Mark Attorneys

(71) Frank Marine Pty Ltd  
 (11) AU-A-2023274133  
 (21) 2023274133 (22) 29.11.2023  
 (54) Rail Clamp on Rod Holder  
 (51) Int. Cl.

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 (72) Qiang Li  
 (74) Frank Marine PTY LTD

(71) Fulcrum Therapeutics, Inc.  
 (11) AU-A-2025203609  
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 (54) Macrocyclic azolopyridine derivatives  
 as EED and PRC2 modulators  
 (51) Int. Cl.  
**C07D 491/18** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )  
**C07D 491/22** ( 2006.01 )  
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 (72) EFREMOV, Ivan Viktorovich;  
 KAZMIRSKI, Steven; LI, Qingyi;  
 THOMPSON III, Lorin A.; WALLACE,  
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 Donald; ZHOU, Feng; RAHL, Peter  
 (74) Pizeys Patent and Trade Mark Attor-  
 neys Pty Ltd

(71) Geltor, Inc.  
 (11) AU-A-2025203706  
 (21) 2025203706 (22) 20.05.2025  
 (54) Recombinant collagen and elastin mo-  
 lecules and uses thereof  
 (51) Int. Cl.  
**A61K 38/39** ( 2006.01 )  
 (43) 12.06.2025  
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 (72) OUZOUNOV, Nikolay; LORESTANI, Al-  
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 (74) Spruson & Ferguson

(71) Genentech, Inc.  
 (11) AU-A-2025203630  
 (21) 2025203630 (22) 20.05.2025  
 (54) Anti-TIGIT antibodies and methods of  
 use  
 (51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2021250946  
 (72) GROGAN, Jane L.; JOHNSTON,  
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 Meredith  
 (74) FPA Patent Attorneys Pty Ltd

(71) Gen-Probe Incorporated  
 (11) AU-A-2025203692  
 (21) 2025203692 (22) 20.05.2025  
 (54) Dried compositions containing flap en-  
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 (51) Int. Cl.  
**C12Q 1/6876** ( 2018.01 )  
**C12N 9/12** ( 2006.01 )

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 (72) PETERSON, Patrick; LUU, Tony; JOST,  
 Matthias  
 (74) FB Rice Pty Ltd

(71) Giant Manufacturing Co., Ltd.  
 (11) AU-A-2025203766  
 (21) 2025203766 (22) 21.05.2025  
 (54) BICYCLE FRAME SET  
 (51) Int. Cl.  
**B62K 3/10** ( 2006.01 )  
**B62K 3/04** ( 2006.01 )  
**B62K 19/02** ( 2006.01 )  
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 (62) 2023202452  
 (72) Shih, Jing-Ru; Yang, Chao-Shun  
 (74) Collison & Co

(71) GLATT Gesellschaft mit beschränkter  
 Haftung  
 (11) AU-A-2025203712  
 (21) 2025203712 (22) 20.05.2025  
 (54) Repair device and repair system for re-  
 pairing corrosion damage of a surface  
 of an object exposed to weather  
 (51) Int. Cl.  
**B05B 13/00** ( 2006.01 )  
**B08B 1/00** ( 2024.01 )  
**F03D 80/50** ( 2016.01 )  
**B23K 26/36** ( 2014.01 )  
**B23P 6/00** ( 2006.01 )  
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 (72) NOWAK, Reinhard; GRIMANN, Mi-  
 chael; KREBS, Eckhardt  
 (74) FB Rice Pty Ltd

(71) Glatt GmbH  
 (11) AU-A-2025203675  
 (21) 2025203675 (22) 20.05.2025  
 (54) Multiparticulate formulations of can-  
 nabinoids  
 (51) Int. Cl.  
**A61K 31/352** ( 2006.01 )  
**A61K 9/16** ( 2006.01 )  
**A61K 31/05** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 9/20** ( 2006.01 )  
**A61K 9/48** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2019307847  
 (72) NOWAK, Reinhard; IQBAL, Zafar;  
 TALEB, Mohammed; CHAVAN, Neha  
 (74) Davies Collison Cave Pty Ltd

(71) HANGZHOU EMUST TECHNOLOGY  
 CO., LTD.  
 (11) AU-A-2024361198  
 (21) 2024361198 (22) 22.03.2024  
 (54) MULTI-FLOW-PATH PROCESS GAS  
 ONLINE ANALYSIS AND PRETREAT-  
 MENT DEVICE  
 (51) Int. Cl.  
**G01N 1/26** ( 2006.01 )  
**G01F 1/00** ( 2022.01 )  
**G01F 25/10** ( 2022.01 )

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**G05D 7/01** ( 2006.01 )  
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**(72)** LI, Anlin; ZHANG, Tengfei; YANG, Huan  
**(74)** Madderns Pty Ltd

**(71)** Hanwha Azdel, Inc.  
**(11)** AU-A-2025203612  
**(21)** 2025203612 **(22)** 19.05.2025  
**(54)** UNDERBODY SHIELD COMPOSITION AND ARTICLES THAT PROVIDE ENHANCED PEEL STRENGTH AND METHODS OF USING THEM  
**(51)** Int. Cl.  
**B32B 5/18** ( 2006.01 )  
**B32B 5/20** ( 2006.01 )  
**B32B 7/12** ( 2006.01 )  
**F41H 5/06** ( 2006.01 )  
**F41H 7/04** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2023201600  
**(72)** Mason, Mark O.; Yang, Yankai; Messina, Anthony J.  
**(74)** LAMINAR IP PTY LTD

**(71)** HERCUS, J.B.  
**(11)** AU-A-2024365132  
**(21)** 2024365132 **(22)** 29.11.2024  
**(54)** A FRENCHING DEVICE  
**(51)** Int. Cl.  
**A22C 17/00** ( 2006.01 )  
**A22B 5/00** ( 2006.01 )  
**A22C 17/04** ( 2006.01 )  
**(31)** 2023903860 **(32)** 30.11.23 **(33)** AU  
**(43)** 12.06.2025  
**(72)** HERCUS, Jackson Barrie  
**(74)** Catalyst Intellectual Property

**(71)** Herting, T.  
**(11)** AU-A-2025203793  
**(21)** 2025203793 **(22)** 22.05.2025  
**(54)** Method for positioning a workpiece and apparatus therefor  
**(51)** Int. Cl.  
**G05B 19/401** ( 2006.01 )  
**A61C 13/00** ( 2006.01 )  
**B23Q 3/00** ( 2006.01 )  
**B23Q 17/24** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2019343305  
**(72)** HERTING, Torsten  
**(74)** Griffith Hack

**(71)** Hologic, Inc.  
**(11)** AU-A-2025203610  
**(21)** 2025203610 **(22)** 19.05.2025  
**(54)** DIGITAL IMAGING SYSTEM AND METHOD  
**(51)** Int. Cl.  
**G02B 21/36** ( 2006.01 )  
**G01N 15/14** ( 2024.01 )  
**G02B 21/24** ( 2006.01 )  
**G06F 18/00** ( 2023.01 )  
**G06T 7/00** ( 2017.01 )

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**(62)** 2019370154  
**(72)** Jenoski, Raymond; Mayer, Sid; Jennings, Robert; Oliva, Ryan P.; McCrorey, John A.; Quick, Michael D.; Harrington, Sarah Margaret  
**(74)** PHILLIPS ORMONDE FITZPATRICK

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

**(71)** HONEYWELL INTERNATIONAL INC.  
**(11)** AU-A-2025203697  
**(21)** 2025203697 **(22)** 20.05.2025  
**(54)** Method and system for locating and quantifying fugitive emission leaks  
**(51)** Int. Cl.  
**G01N 33/00** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2023202555  
**(72)** TRENCHARD, Andrew J.; SCOGGINS, Sean; KASTELEIN, Bas  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Hope Biosciences, LLC  
**(11)** AU-A-2025203701  
**(21)** 2025203701 **(22)** 20.05.2025  
**(54)** Culture media for multipotent stem cells  
**(51)** Int. Cl.  
**C12N 5/0735** ( 2010.01 )  
**C12N 5/0775** ( 2010.01 )  
**(43)** 12.06.2025  
**(62)** 2022252815  
**(72)** PARK, Hyeonggeun  
**(74)** Spruson & Ferguson

**(71)** Huaxiang (Shenzhen) High-Tech Service Co., Ltd.  
**(11)** AU-A-2023270319  
**(21)** 2023270319 **(22)** 23.11.2023  
**(54)** STRONG MAGNETIC POWER GENERATION ON-BOARD POWER DEVICE TECHNICAL FIELD  
**(51)** Int. Cl.  
**F02B 63/04** ( 2006.01 )  
**F16F 15/02** ( 2006.01 )  
**H02K 5/24** ( 2006.01 )  
**H02K 9/04** ( 2006.01 )  
**(43)** 12.06.2025  
**(72)** JINZHONG PAN  
**(74)** MOHAN MURALI KODIVEL

**(71)** Hydromecanique et frottement  
**(11)** AU-A-2025203841  
**(21)** 2025203841 **(22)** 23.05.2025  
**(54)** HINGED COMPONENT, AND MECHANICAL SYSTEM COMPRISING SUCH A COMPONENT  
**(51)** Int. Cl.  
**F16C 17/18** ( 2006.01 )  
**F16C 33/04** ( 2006.01 )

**(43)** 12.06.2025  
**(62)** 2023226701  
**(72)** PROST, Fabrice; PAVALLIER, Pierrick  
**(74)** Kings Patent & Trade Marks Attorneys Pty Ltd

**(71)** Idemia Identity & Security France  
**(11)** AU-A-2024264643  
**(21)** 2024264643 **(22)** 14.11.2024  
**(54)** Road traffic monitoring robot image acquisition device installation kit  
**(51)** Int. Cl.  
**G08G 1/00** ( 2006.01 )  
**(31)** 2313002 **(32)** 24.11.23 **(33)** FR  
**(43)** 12.06.2025  
**(72)** ALLIOT, Samuel; CARRION, Grégoire; GUIDON, Eric; ARROYO, Jean-Jacques  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Illinois Tool Works Inc.  
**(11)** AU-A-2024227779  
**(21)** 2024227779 **(22)** 30.10.2024  
**(54)** Void Former  
**(51)** Int. Cl.  
**E04G 15/04** ( 2006.01 )  
**B28B 7/16** ( 2006.01 )  
**B28B 23/00** ( 2006.01 )  
**E04G 21/14** ( 2006.01 )  
**(31)** 2023903817 **(32)** 27.11.23 **(33)** AU  
**(43)** 12.06.2025  
**(72)** FERRIER, Ian Ross  
**(74)** Davies Collison Cave Pty Ltd

**(71)** ImmunoForge Co., Ltd.  
**(11)** AU-A-2025202650  
**(21)** 2025202650 **(22)** 15.04.2025  
**(54)** ELP fusion proteins for controlled and sustained release  
**(51)** Int. Cl.  
**A61K 38/00** ( 2006.01 )  
**A61K 38/39** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2021229233  
**(72)** Jowett, James; Ballance, David James  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Janssen Pharmaceutica NV  
**(11)** AU-A-2025203695  
**(21)** 2025203695 **(22)** 20.05.2025  
**(54)** Methods of treating depression using orexin-2 receptor antagonists  
**(51)** Int. Cl.  
**A61K 31/498** ( 2006.01 )  
**A61K 31/5377** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2022279416  
**(72)** KENT, Justine M.; DREVETS, Wayne C.; DE BOER, Peter  
**(74)** Spruson & Ferguson

**(71)** JIANGMEN CITY SHENGDA LIGHTING CO., LTD.  
**(11)** AU-A-2024204042  
**(21)** 2024204042 **(22)** 14.06.2024

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(54) LIGHT BODY CONNECTING STRUCTURE, LAMPSHADE, LIGHT BODY, LIGHT GROUP, AND ASSEMBLING METHOD OF LIGHT GROUP  
 (51) Int. Cl.  
**F21V 17/12** ( 2006.01 )  
**F21S 4/10** ( 2016.01 )  
**F21V 23/06** ( 2006.01 )  
 (31) 202311602290.2 (32) 27.11.23 (33) CN  
 (43) 12.06.2025  
 (72) XU, Xiaojun; XU, Haiyan; SUN, Caiju  
 (74) Madderns Pty Ltd

Johannes Gutenberg-Universität Mainz  
 see BioNTech SE  
 (21) 2025203628

KEMCO see KOREA ZINC CO., LTD.  
 (21) 2024339211

(71) Kenvue Brands LLC  
 (11) AU-A-2025203700  
 (21) 2025203700 (22) 20.05.2025  
 (54) Cleansing compositions  
 (51) Int. Cl.  
**A61K 8/31** ( 2006.01 )  
**A61K 8/02** ( 2006.01 )  
**A61K 8/36** ( 2006.01 )  
**A61K 8/37** ( 2006.01 )  
**A61K 8/81** ( 2006.01 )  
**A61Q 5/02** ( 2006.01 )  
**A61Q 19/00** ( 2006.01 )  
**A61Q 19/10** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2019263111  
 (72) FIGUEROA, Jasmin; JOHNSON, Diana; MARTINEZ, Marcee; EDOUARD, Farahdia; BIDAYE, Abhijit  
 (74) Spruson & Ferguson

(71) KOREA ZINC CO., LTD.; KEMCO  
 (11) AU-A-2024339211  
 (21) 2024339211 (22) 14.05.2024  
 (54) METHOD FOR RECOVERY OF NICKEL FROM NICKEL MATTE IN SULFIDE FORM  
 (51) Int. Cl.  
**C22B 3/06** ( 2006.01 )  
**C22B 3/04** ( 2006.01 )  
**C22B 3/08** ( 2006.01 )  
**C22B 3/20** ( 2006.01 )  
**C22B 23/00** ( 2006.01 )  
 (31) 10-2023-0170846 (32) 30.11.23 (33) KR  
 (43) 12.06.2025  
 (72) CHOI, Heon Sik; PARK, Sung Won; LEE, Je Joong  
 (74) ET Intellectual Property

(71) KUPER DESIGNS PTY. LTD.  
 (11) AU-A-2023274088  
 (21) 2023274088 (22) 28.11.2023  
 (54) Absorbent Insert Pad Free of Plastic  
 (51) Int. Cl.  
**A61F 13/15** ( 2006.01 )  
**A61F 13/66** ( 2006.01 )  
**A61L 15/28** ( 2006.01 )

**A61L 15/34** ( 2006.01 )  
**A61L 15/60** ( 2006.01 )  
**A61L 15/62** ( 2006.01 )  
**A61F 13/475** ( 2006.01 )  
**A61F 13/51** ( 2006.01 )  
**A61F 13/511** ( 2006.01 )  
**A61F 13/514** ( 2006.01 )  
**A61F 13/53** ( 2006.01 )  
**A61F 13/74** ( 2006.01 )  
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 (72) Susan Allison-Rogers  
 (74) KUPER DESIGNS PTY. LTD.

(71) L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude  
 (11) AU-A-2024264670  
 (21) 2024264670 (22) 15.11.2024  
 (54) CONDITIONING DEVICE FOR A PRESSURIZED FLUID  
 (51) Int. Cl.  
**F16K 15/14** ( 2006.01 )  
**F16K 1/30** ( 2006.01 )  
**F16K 17/06** ( 2006.01 )  
**F16K 21/04** ( 2006.01 )  
**F17C 13/04** ( 2006.01 )  
 (31) 2313260 (32) 29.11.23 (33) FR  
 (43) 12.06.2025  
 (72) Fischer, Benjamin; Muller, Denis; Jubert, Cesar  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) LEONARDO UK LTD  
 (11) AU-A-2025203672  
 (21) 2025203672 (22) 20.05.2025  
 (54) An image sensing device  
 (51) Int. Cl.  
**G06T 7/00** ( 2017.01 )  
 (43) 12.06.2025  
 (62) 2022220227  
 (72) THORNE, Peter; HERBERT, Martin  
 (74) Griffith Hack

(71) LEONARDO UK LTD  
 (11) AU-A-2025203676  
 (21) 2025203676 (22) 20.05.2025  
 (54) An image sensing device  
 (51) Int. Cl.  
**G06T 7/00** ( 2017.01 )  
 (43) 12.06.2025  
 (62) 2022220227  
 (72) THORNE, Peter; HERBERT, Martin  
 (74) Griffith Hack

(71) Les Laboratoires Servier  
 (11) AU-A-2025203835  
 (21) 2025203835 (22) 23.05.2025  
 (54) Ivosidenib forms and pharmaceutical compositions  
 (51) Int. Cl.  
**A61K 31/444** ( 2006.01 )  
**A61K 38/05** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )

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 (62) 2019299352  
 (72) GU, Chong-Hui; SIZEMORE, Jacob Paul; ZHANG, Shijie  
 (74) Allens Patent & Trade Mark Attorneys

(71) LG Chem, Ltd.  
 (11) AU-A-2025203783  
 (21) 2025203783 (22) 22.05.2025  
 (54) CRYSTALLINE FORM V OF MELANOCORTIN RECEPTOR AGONIST COMPOUND, AND METHOD FOR PREPARING SAME  
 (51) Int. Cl.  
**C07D 403/06** ( 2006.01 )  
**A61K 31/5377** ( 2006.01 )  
**A61P 3/04** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
**A61P 15/10** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2022271119  
 (72) Ham, Jin Ok; Lee, Ho Yeon; Lee, Sang Dae; Kim, Ji Yoon; Park, Jong Won; Kim, Sung Won; Chun, Seul Ah  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) LG Chem, Ltd.  
 (11) AU-A-2025203787  
 (21) 2025203787 (22) 22.05.2025  
 (54) SULFATE CRYSTALS OF MELANOCORTIN RECEPTOR AGONIST COMPOUND AND METHOD OF PRODUCING SAME  
 (51) Int. Cl.  
**C07D 403/06** ( 2006.01 )  
**A61K 31/5377** ( 2006.01 )  
**A61P 3/04** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
**A61P 15/10** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2022269992  
 (72) Kim, Ji Yoon; Chun, Seul Ah; Kim, Sung Won  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) LG Chem, Ltd.  
 (11) AU-A-2025203828  
 (21) 2025203828 (22) 23.05.2025  
 (54) CRYSTAL FORM VII OF MELANOCORTIN RECEPTOR AGONIST COMPOUND AND METHOD FOR PREPARING SAME  
 (51) Int. Cl.  
**C07D 403/06** ( 2006.01 )  
**A61K 31/5377** ( 2006.01 )  
**A61P 3/04** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
**A61P 15/10** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2022269993  
 (72) Lee, Ho Yeon; Ham, Jin Ok; Lee, Sang Dae; Kim, Ji Yoon; Park, Jong Won; Kim, Sung Won; Chun, Seul Ah  
 (74) PHILLIPS ORMONDE FITZPATRICK

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(71) LG Electronics Inc.  
 (11) AU-A-2025203715  
 (21) 2025203715 (22) 20.05.2025  
 (54) Vacuum cleaner nozzle  
 (51) Int. Cl.  
 A47L 11/40 ( 2006.01 )  
 A47L 11/20 ( 2006.01 )  
 A47L 11/202 ( 2006.01 )

(43) 12.06.2025  
 (62) 2023202637  
 (72) SONG, Seunghyun; KIM, Seongmin;  
 KIM, Jaeyoung; CHUNG, Wookjun  
 (74) FB Rice Pty Ltd

(71) LG Electronics Inc.  
 (11) AU-A-2025203772  
 (21) 2025203772 (22) 22.05.2025  
 (54) APPLIANCE  
 (51) Int. Cl.  
 A47J 36/00 ( 2006.01 )  
 A47L 15/42 ( 2006.01 )  
 D06F 34/00 ( 2020.01 )  
 F25B 49/00 ( 2006.01 )  
 F25D 23/02 ( 2006.01 )  
 F25D 29/00 ( 2006.01 )

(43) 12.06.2025  
 (62) 2023210583  
 (72) SHIN, Myeongsu; LEE, Wanglim  
 (74) Dentons Patent Attorneys Australasia  
 Limited

(71) LITTLE GIANT LADDER SYSTEMS,  
 LLC  
 (11) AU-A-2025203834  
 (21) 2025203834 (22) 23.05.2025  
 (54) COMBINATION LADDERS, LAD-  
 DER COMPONENTS AND RELATED  
 METHODS  
 (51) Int. Cl.  
 E06C 1/18 ( 2006.01 )

(43) 12.06.2025  
 (62) 2019282832  
 (72) Maxfield, Bradley Scott; Moss, N. Ry-  
 an; Russell, Brian B.; Miner, Steven S.;  
 Cook, Benjamin Lynn; Mittanck, Travis  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Lunit Inc.  
 (11) AU-A-2024220078  
 (21) 2024220078 (22) 25.09.2024  
 (54) Method and system for artificial intelli-  
 gence-based medical image analysis  
 (51) Int. Cl.  
 G06T 7/00 ( 2017.01 )  
 G06N 3/08 ( 2023.01 )  
 G06T 7/62 ( 2017.01 )  
 G16H 30/20 ( 2018.01 )  
 G16H 50/20 ( 2018.01 )

(31) 10-2023-0168898 (32) 29.11.23 (33) KR  
 10-2024-0068620 27.05.24 KR  
 (43) 12.06.2025  
 (72) NAM, Gunhee; JOO, Won Hyeong  
 (74) GLMR

(71) Marker Safety Systems Pty Ltd  
 (11) AU-A-2023274110  
 (21) 2023274110 (22) 28.11.2023

(54) A POST  
 (51) Int. Cl.  
 E04H 12/22 ( 2006.01 )  
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 (72) Michael HOLLIDGE  
 (74) Wynnes Patent and Trade Mark Attor-  
 neys Pty Ltd

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  
 (11) AU-A-2025203782  
 (21) 2025203782 (22) 22.05.2025

(54) Delivery, engineering and optimization  
 of systems, methods and compositions  
 for sequence manipulation and thera-  
 peutic applications  
 (51) Int. Cl.  
 C12N 15/63 ( 2006.01 )

(43) 12.06.2025  
 (62) 2022203759  
 (72) ZHANG, Feng; HEIDENREICH, Matthe-  
 as; RAN, Fei; SWIECH, Lukasz  
 (74) FPA Patent Attorneys Pty Ltd

(71) Medela Holding AG  
 (11) AU-A-2025203600  
 (21) 2025203600 (22) 19.05.2025  
 (54) BREAST PUMP  
 (51) Int. Cl.  
 A61M 1/06 ( 2006.01 )  
 A61M 1/00 ( 2006.01 )

(43) 12.06.2025  
 (62) 2022272454  
 (72) Xu, Chen  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Memorial Sloan Kettering Cancer Cen-  
 ter  
 (11) AU-A-2025202713  
 (21) 2025202713 (22) 17.04.2025  
 (54) Anti-MUC16 antibodies and uses there-  
 of  
 (51) Int. Cl.  
 C07K 16/30 ( 2006.01 )  
 A61K 39/395 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 C12N 15/13 ( 2006.01 )

(43) 12.06.2025  
 (62) 2022200931  
 (72) SPRIGGS, David; FERNANDEZ-TE-  
 JADA, Alberto; THAPI, Dharmarao  
 (74) FB Rice Pty Ltd

(71) Memorial Sloan-Kettering Cancer Cen-  
 ter  
 (11) AU-A-2025203709  
 (21) 2025203709 (22) 20.05.2025  
 (54) Intestinal microbiota and GVHD  
 (51) Int. Cl.  
 A61K 35/74 ( 2015.01 )

(43) 12.06.2025  
 (62) 2021258070  
 (72) VAN DEN BRINK, Marcel; JENQ,  
 Robert; PAMER, Eric G.; TAUR, Ying;  
 SHONO, Yusuke  
 (74) Spruson & Ferguson

(71) Merck Patent GmbH  
 (11) AU-A-2025203854  
 (21) 2025203854 (22) 26.05.2025  
 (54) Viscosity reduction of highly concen-  
 trated protein formulations  
 (51) Int. Cl.

A61K 47/12 ( 2006.01 )  
 A61K 9/08 ( 2006.01 )  
 A61K 9/19 ( 2006.01 )  
 A61K 38/00 ( 2006.01 )  
 A61K 39/00 ( 2006.01 )  
 A61K 47/18 ( 2017.01 )

(43) 12.06.2025  
 (62) 2019254483  
 (72) HILDEBRANDT, Christian; KROG, Al-  
 exandra; HENZLER, Tanja; GUEBELI,  
 Raphael; ZILLMANN, Martin  
 (74) Davies Collison Cave Pty Ltd

(71) Minerva Neurosciences, Inc.  
 (11) AU-A-2025203817  
 (21) 2025203817 (22) 23.05.2025  
 (54) Use of roluperidone to treat negative  
 symptoms and disorders, increase  
 neuroplasticity, and promote neuropro-  
 tection

(51) Int. Cl.  
 A61P 25/00 ( 2006.01 )  
 A61K 31/4439 ( 2006.01 )  
 A61P 25/18 ( 2006.01 )

(43) 12.06.2025  
 (62) 2019326525  
 (72) LUTHRINGER, Remy Henri  
 (74) Spruson & Ferguson

(71) Mitsubishi Heavy Industries, Ltd.  
 (11) AU-A-2024264725  
 (21) 2024264725 (22) 18.11.2024  
 (54) Control device, gas turbine, and control  
 method  
 (51) Int. Cl.  
 F02C 9/28 ( 2006.01 )  
 F02C 9/32 ( 2006.01 )  
 F23N 1/02 ( 2006.01 )  
 F23N 5/18 ( 2006.01 )  
 F23R 3/28 ( 2006.01 )

(31) 2023-200695 (32) 28.11.23 (33) JP  
 (43) 12.06.2025  
 (72) HAYASHI, Kohei; TAKATA, Yasutsugu;  
 KISHI, Norihisa; NAKAHARA, Hisashi;  
 YOSHIZUMI, Hisashi  
 (74) Davies Collison Cave Pty Ltd

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- (71) Mitsubishi Tanabe Pharma Corporation  
 (11) AU-A-2025203773  
 (21) 2025203773 (22) 22.05.2025  
 (54) Pharmaceutical composition for oral administration of edaravone and method of administering same  
 (51) Int. Cl.  
**A61K 31/4152** ( 2006.01 )  
**A61P 21/04** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**A61P 39/06** ( 2006.01 )  
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 (62) 2021380319  
 (72) SHIMIZU, Hidetoshi; NAKAMARU, Yoshinobu; NISHIMURA, Yukiko  
 (74) Spruson & Ferguson
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- (71) Moharram Ventures Inc.  
 (11) AU-A-2025201132  
 (21) 2025201132 (22) 18.02.2025  
 (54) Biodegradable polymer composition and method of producing the same  
 (51) Int. Cl.  
**C08L 67/04** ( 2006.01 )  
**C08J 3/20** ( 2006.01 )  
**C08K 5/1539** ( 2006.01 )  
**C08K 5/42** ( 2006.01 )  
**C08L 1/02** ( 2006.01 )  
**C08L 3/02** ( 2006.01 )  
**C12N 1/21** ( 2006.01 )  
**C12N 15/52** ( 2006.01 )  
**C12P 1/00** ( 2006.01 )  
**C12P 1/04** ( 2006.01 )  
**C12P 7/40** ( 2006.01 )  
**C12P 7/62** ( 2022.01 )  
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 (62) 2019324739  
 (72) MOHARRAM, Tarek; HAMEED, Faisal Sahul; SINGH, Arshdeep; PATEL, Pathik Daxeshkumar; GRAY, Devon Brianne; KOCHER, Nicole Lindsay; HARTIN, Matthew Douglas Charles; ZEBIAN, Najwa  
 (74) Ribeiro IP Limited
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- Monash University see Seaport Therapeutics, Inc.**  
 (21) 2025203623
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- (71) Moore, C.  
 (11) AU-A-2023270291  
 (21) 2023270291 (22) 23.11.2023  
 (54) Contra Rotating Vertical Axis Wind Turbine Array  
 (51) Int. Cl.  
**F03D 3/02** ( 2006.01 )  
**F03D 3/00** ( 2006.01 )  
**F03D 7/06** ( 2006.01 )  
**F03D 9/25** ( 2016.01 )  
**F03D 9/34** ( 2016.01 )  
**H02K 16/00** ( 2006.01 )  
**H02K 99/00** ( 2014.01 )  
**F03D 9/11** ( 2016.01 )  
**F03D 13/10** ( 2016.01 )  
**F03D 13/25** ( 2016.01 )  
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 (72) HAWKSLEY, Steven  
 (74) Spruson & Ferguson
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- (71) Moore, C.  
 (11) AU-A-2023270571  
 (21) 2023270571 (22) 27.11.2023  
 (54) Multi Mission VTOL Craft  
 (51) Int. Cl.  
**B64C 29/00** ( 2006.01 )  
**B64C 39/00** ( 2023.01 )  
**B64C 39/08** ( 2006.01 )  
 (43) 12.06.2025  
 (72) Chris Moore  
 (74) Chris Moore
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- (71) MSG ENTERTAINMENT GROUP, LLC.; HOLOPLOT GMBH  
 (11) AU-A-2025203844  
 (21) 2025203844 (22) 23.05.2025  
 (54) Integrated audiovisual system  
 (51) Int. Cl.  
**H04R 5/02** ( 2006.01 )  
 (43) 12.06.2025  
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 (72) HOCKMAN, Erik; LUTHWAITE, Alex; HANNA, Emad Yacoub  
 (74) FB Rice Pty Ltd
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- National University of Ireland Galway see The College of the Holy & Undivided Trinity of Queen Elizabeth**  
 (21) 2025203729
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- (71) Neptune Benson, Inc.  
 (11) AU-A-2025203796  
 (21) 2025203796 (22) 22.05.2025  
 (54) Regenerative media filter air scouring apparatus and method  
 (51) Int. Cl.  
**B01D 24/04** ( 2006.01 )  
**B01D 46/00** ( 2022.01 )  
**B01D 53/04** ( 2006.01 )  
**B01D 53/22** ( 2006.01 )  
**B01D 53/96** ( 2006.01 )  
**C02F 1/00** ( 2023.01 )  
 (43) 12.06.2025  
 (62) 2019431873  
 (72) HAWKSLEY, Steven  
 (74) Spruson & Ferguson
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- (71) Neuracle Science Co., Ltd.  
 (11) AU-A-2025203677  
 (21) 2025203677 (22) 20.05.2025  
 (54) Use of anti-FAM19A5 antibodies for treating cancers  
 (51) Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2018291081  
 (72) KIM, BongCheol; CHO, Eun Bee; KIM, Dong Sik; LEE, Jae-Keun; KWON, Soon-gu; SEONG, Jae Young; SHIM, Juwon; KIM, Tae Woo; KANG, Shin-hyuk  
 (74) Spruson & Ferguson
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- (71) Ng, F.  
 (11) AU-A-2023270318  
 (21) 2023270318 (22) 23.11.2023  
 (54) AN EYEDROP CONTAINER ADAPTER  
 (51) Int. Cl.  
**A61F 9/00** ( 2006.01 )  
 (43) 12.06.2025  
 (72) Fletcher Ng  
 (74) Fletcher Jun Hao Ng
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- (71) NICOLON CORPORATION D/B/A TENCATE GEOSYNTHETICS AMERICAS  
 (11) AU-A-2025203839  
 (21) 2025203839 (22) 23.05.2025  
 (54) Geosynthetic fabric with differential wicking capability  
 (51) Int. Cl.  
**D03D 1/00** ( 2006.01 )  
**D03D 15/44** ( 2021.01 )  
**D03D 15/49** ( 2021.01 )  
**E02D 17/20** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2022296601  
 (72) JONES, David Michael; KING, Kevin Nelson; YUAN, Zehong  
 (74) Allens Patent & Trade Mark Attorneys
- 
- (71) NI KOMPANY PTY LTD  
 (11) AU-A-2023270357  
 (21) 2023270357 (22) 26.11.2023  
 (54) UNITY COIN  
 (51) Int. Cl.  
**G06Q 20/06** ( 2012.01 )  
**G06Q 40/04** ( 2012.01 )  
**G06Q 50/00** ( 2012.01 )  
 (43) 12.06.2025  
 (72) Avi Raina; Abhishek Tripathi  
 (74) NI KOMPANY PTY LTD
- 
- (71) Nokia Technologies Oy  
 (11) AU-A-2025203756  
 (21) 2025203756 (22) 21.05.2025  
 (54) Privacy indicators for controlling authentication requests  
 (51) Int. Cl.  
**H04L 9/40** ( 2022.01 )  
**H04W 12/02** ( 2009.01 )  
 (43) 12.06.2025  
 (62) 2023202706  
 (72) NAIR, Suresh; JERICHOW, Anja; SEEFELDT, Annett  
 (74) Spruson & Ferguson
- 
- (71) Novartis AG  
 (11) AU-A-2025203816  
 (21) 2025203816 (22) 23.05.2025  
 (54) Pharmaceutical combination comprising TNO155 and ribociclib  
 (51) Int. Cl.  
**A61K 31/497** ( 2006.01 )  
**A61K 31/00** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )

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**(62)** 2023203751  
**(72)** CHEN, Ying-nan Pan; HAO, Huaixiang; LIU, Chen; MOHSENI, Morvarid  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Novartis AG  
**(11)** AU-A-2025203830  
**(21)** 2025203830 **(22)** 23.05.2025  
**(54)** TREATING HIDRADENITIS SUPPURATIVA WITH IL-17 ANTAGONISTS  
**(51)** Int. Cl.  
**C07K 16/24** ( 2006.01 )  
**A61P 17/10** ( 2006.01 )  
**A61P 37/06** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2022203888  
**(72)** LOESCHE, Christian; DE VERA JUAREZ, Ana Maria; BRUIN, Gerard; EZZET, Farkad  
**(74)** Davies Collison Cave Pty Ltd

**(71)** NUC ELECTRONICS CO., LTD.  
**(11)** AU-A-2024266815  
**(21)** 2024266815 **(22)** 11.09.2024  
**(54)** JUICE EXTRACTOR  
**(51)** Int. Cl.  
**A47J 19/06** ( 2006.01 )  
**A23N 1/02** ( 2006.01 )  
**A47J 19/02** ( 2006.01 )  
**B30B 9/02** ( 2006.01 )  
**(31)** 10-2023-0170010 **(32)** 29.11.23 **(33)** KR  
 10-2023-0184897 18.12.23 KR  
**(43)** 12.06.2025  
**(72)** KIM, Jong Boo  
**(74)** FB Rice Pty Ltd

**(71)** Obrizum Group Ltd.  
**(11)** AU-A-2024227272  
**(21)** 2024227272 **(22)** 11.10.2024  
**(54)** DYNAMIC TALENT MATCHING  
**(51)** Int. Cl.  
**G06Q 10/105** ( 2023.01 )  
**G06N 5/04** ( 2023.01 )  
**G06N 20/00** ( 2019.01 )  
**G06Q 10/0639** ( 2023.01 )  
**(31)** 18/521,575 **(32)** 28.11.23 **(33)** US  
**(43)** 12.06.2025  
**(72)** AGLEY, Chibeza Chintu; CHADWICK, Matthew Jonathan; HARIHARAN ANAND, Vishu; ZEIN, Wedad; PEDDER, Christopher  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

**(71)** OCADO INNOVATION LIMITED  
**(11)** AU-A-2025203736  
**(21)** 2025203736 **(22)** 21.05.2025  
**(54)** A Fall Restraint Apparatus for a Grid Framework Structure  
**(51)** Int. Cl.  
**A62B 35/00** ( 2006.01 )  
**B65G 1/04** ( 2006.01 )

**(43)** 12.06.2025  
**(62)** 2022222333  
**(72)** SELIM, Andrew; GEAKE, Andrew; SHIELDS, Dean  
**(74)** James & Wells Intellectual Property

**(71)** Omeros Corporation  
**(11)** AU-A-2025203707  
**(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  
**(51)** Int. Cl.  
**A61P 11/00** ( 2006.01 )  
**A61P 11/16** ( 2006.01 )  
**A61P 31/12** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2021231892  
**(72)** DEMOPULOS, Gregory A.; QUINTON, Tineka J.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** OPUM Technologies Limited  
**(11)** AU-A-2025203741  
**(21)** 2025203741 **(22)** 21.05.2025  
**(54)** Orthosis or exoskeleton system  
**(51)** Int. Cl.  
**A61F 5/01** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**A61B 5/11** ( 2006.01 )  
**A61H 3/00** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2019327296  
**(72)** MCDAID, Andrew John  
**(74)** James & Wells Intellectual Property

**Orionis Biosciences BV see Orionis Biosciences Inc.**  
**(21)** 2025203121

**(71)** Orionis Biosciences Inc.; Orionis Biosciences BV  
**(11)** AU-A-2025203121  
**(21)** 2025203121 **(22)** 01.05.2025  
**(54)** Clec9A binding agents and use thereof  
**(51)** Int. Cl.  
**C12Q 1/68** ( 2018.01 )  
**A61K 38/21** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**G01N 33/573** ( 2006.01 )  
**G01N 33/574** ( 2006.01 )  
**G01N 33/68** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2018313810  
**(72)** KLEY, Nikolai; TAVERNIER, Jan; ZABEAU, Lennart; DEPLA, Erik  
**(74)** Allens Patent & Trade Mark Attorneys

**(71)** O'Briain, K.  
**(11)** AU-A-2024219849  
**(21)** 2024219849 **(22)** 18.09.2024  
**(54)** Composition And Use Thereof For The Treatment Of Equine Gastric Ulcer Syndrome

**(51)** Int. Cl.  
**A61K 38/44** ( 2006.01 )  
**A61K 33/18** ( 2006.01 )  
**A61P 1/04** ( 2006.01 )  
**(31)** 23211903.2 **(32)** 24.11.23 **(33)** EP  
 GB202317960.9 24.11.23 GB  
**(43)** 12.06.2025  
**(72)** O'Briain, Killian  
**(74)** WRAYS PTY LTD

**(71)** PAYPAL, INC.  
**(11)** AU-A-2025203696  
**(21)** 2025203696 **(22)** 20.05.2025  
**(54)** Latency and computational performance on a blockchain  
**(51)** Int. Cl.  
**H04L 9/00** ( 2022.01 )  
**H04L 9/32** ( 2006.01 )  
**G06F 21/64** ( 2013.01 )  
**G06N 20/00** ( 2019.01 )  
**G06Q 20/36** ( 2012.01 )  
**(43)** 12.06.2025  
**(62)** 2022382648  
**(72)** MORAIS, Antony Amalraj  
**(74)** FPA Patent Attorneys Pty Ltd

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

**(71)** Phoenix Energy Services Pty Ltd  
**(11)** AU-A-2024264743  
**(21)** 2024264743 **(22)** 18.11.2024  
**(54)** A REINJECTION SYSTEM AND METHOD OF USE THEREOF  
**(51)** Int. Cl.  
**F17D 3/14** ( 2006.01 )  
**B01D 19/00** ( 2006.01 )  
**F04B 5/02** ( 2006.01 )  
**F04B 9/109** ( 2006.01 )  
**F04B 49/06** ( 2006.01 )  
**F16K 24/04** ( 2006.01 )  
**F16L 55/07** ( 2006.01 )  
**F16T 1/14** ( 2006.01 )  
**F16T 1/45** ( 2006.01 )  
**(31)** 2023903824 **(32)** 28.11.23 **(33)** AU  
**(43)** 12.06.2025  
**(72)** Clarkson, Andrew George William  
**(74)** Kings Patent & Trade Marks Attorneys Pty Ltd

**(71)** Poseida Therapeutics, Inc.  
**(11)** AU-A-2025203769  
**(21)** 2025203769 **(22)** 21.05.2025  
**(54)** Compositions and methods for chimeric ligand receptor (CLR)-mediated conditional gene expression  
**(51)** Int. Cl.  
**C12N 15/63** ( 2006.01 )  
**C12N 15/90** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2018329741  
**(72)** OSTERAG, Eric; SHEDLOCK, Devon  
**(74)** Spruson & Ferguson

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(71) Precedence Health Care Pty Ltd  
 (11) AU-A-2025203785  
 (21) 2025203785 (22) 22.05.2025  
 (54) AN ELECTRONIC CARE MANAGEMENT SYSTEM  
 (51) Int. Cl.  
**G06Q 50/22** ( 2024.01 )  
 (43) 12.06.2025  
 (62) 2023203398  
 (72) Georgeff, Michael Peter  
 (74) Griffith Hack

(71) Precision BioSciences, Inc.  
 (11) AU-A-2025203753  
 (21) 2025203753 (22) 21.05.2025  
 (54) Genetically-modified T cells comprising a modified intron in the T cell receptor alpha gene  
 (51) Int. Cl.  
**A61K 39/00** ( 2006.01 )  
**A61K 35/17** ( 2015.01 )  
**C12N 5/0783** ( 2010.01 )  
 (43) 12.06.2025  
 (62) 2018292526  
 (72) JANTZ, Derek; SMITH, James Jefferson; BEARD, Clayton  
 (74) Davies Collison Cave Pty Ltd

**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.  
 (11) AU-A-2025203780  
 (21) 2025203780 (22) 22.05.2025  
 (54) Engineering of systems, methods and optimized guide compositions for sequence manipulation  
 (51) Int. Cl.  
**C12N 15/63** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2022203762  
 (72) ZHANG, Feng; CONG, Le; HSU, Patrick; RAN, Fei  
 (74) FPA Patent Attorneys Pty Ltd

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

(71) Primewan Limited  
 (11) AU-A-2025203836  
 (21) 2025203836 (22) 23.05.2025  
 (54) VIRTUAL NETWORK DEVICE  
 (51) Int. Cl.  
**H04L 1/00** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2024201137  
 (72) LI, Ming; JIA, Yuan Yang  
 (74) Murray Trento & Associates Pty Ltd

(71) Regeneron Pharmaceuticals, Inc.  
 (11) AU-A-2025203794

(21) 2025203794 (22) 22.05.2025  
 (54) DEVICES AND METHODS FOR PRECISION DOSE DELIVERY  
 (51) Int. Cl.  
**A61M 5/31** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2020289563  
 (72) Ulla, Sibgat; Langley, Trevor; Halbig, Daniel; Grygus, Bryan; Singh, Prithvi; Dumont, Andrew; Bechstein, Justin; Nett, David; Odegard, Jeremy; Gillum, Tasha; Ainsworth, Ryan  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Regeneron Pharmaceuticals, Inc.  
 (11) AU-A-2025203827  
 (21) 2025203827 (22) 23.05.2025  
 (54) NY-ESO-1 T cell receptors and methods of use thereof  
 (51) Int. Cl.  
**C07K 14/725** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2019364367  
 (72) BABB, Robert; BOWERMAN, Natalie; CHEN, Gang; GURER, Cagan; HANSEN, Johanna; LEE, Wen-Yi; MEAGHER, Thomas; SUH, David  
 (74) Davies Collison Cave Pty Ltd

(71) Salts Healthcare Limited  
 (11) AU-A-2025203771  
 (21) 2025203771 (22) 22.05.2025  
 (54) An ostomy appliance  
 (51) Int. Cl.  
**A61F 5/445** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2024201454  
 (72) WILLIAMS, Kieran; TRETHERWAY, Lee; POWNER, Iain; ALFARO, Jesus; ALLEN, Marcus  
 (74) Spruson & Ferguson

(71) Samsonite IP Holdings S.à r.l.  
 (11) AU-A-2024266895  
 (21) 2024266895 (22) 26.11.2024  
 (54) A LUGGAGE CASE WITH SNAP-FIT FRONT POCKET OR OTHER COMPONENT  
 (51) Int. Cl.  
**A45C 13/10** ( 2006.01 )  
**A45C 5/03** ( 2006.01 )  
**A45C 5/06** ( 2006.01 )  
**A45C 7/00** ( 2006.01 )  
 (31) 23212298.6 (32) 27.11.23 (33) EP  
 (43) 12.06.2025  
 (72) MEERSSCHAERT, Reinhard  
 (74) BOSH IP Pty Ltd

(71) SAMUELSON, J.  
 (11) AU-A-2024227746  
 (21) 2024227746 (22) 13.09.2024  
 (54) NURSING COVER WITH INTEGRATED COOLING FAN  
 (51) Int. Cl.  
**A41D 15/04** ( 2006.01 )  
**A41D 1/215** ( 2018.01 )  
**F04D 25/06** ( 2006.01 )

**F04D 25/08** ( 2006.01 )  
 (31) 18/519,293 (32) 27.11.23 (33) US  
 (43) 12.06.2025  
 (72) SAMUELSON, Jacqueline  
 (74) Griffith Hack

(71) Seaport Therapeutics, Inc.; Monash University  
 (11) AU-A-2025203623  
 (21) 2025203623 (22) 19.05.2025  
 (54) LIPID PRODRUGS OF PREGNANE NEUROSTEROIDS AND USES THEREOF  
 (51) Int. Cl.  
**A61K 31/57** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2019314502  
 (72) BONNER, Daniel Kenneth; KARANAM, Ketki; SIMPSON, Jamie; PORTER, Christopher John; TREVASKIS, Natalie; QUACH, Tim; HAN, Sifei; HU, Luojuan  
 (74) Davies Collison Cave Pty Ltd

(71) SEMINIS VEGETABLE SEEDS, INC.  
 (11) AU-A-2025203703  
 (21) 2025203703 (22) 20.05.2025  
 (54) Pepper Hybrids SVPS5056, SVPS5059, and SVPS5063 and Parents Thereof  
 (51) Int. Cl.  
**A01H 6/82** ( 2018.01 )  
 (43) 12.06.2025  
 (62) 2019203456  
 (72) MCCARTHY, William  
 (74) Griffith Hack

(71) SENSOLYZER ADVANCED SENSING SYSTEMS LTD  
 (11) AU-A-2024361201  
 (21) 2024361201 (22) 07.11.2024  
 (54) PROACTIVE AI-DRIVEN CONCRETE-PRODUCTION SYSTEM  
 (51) Int. Cl.  
**B28C 7/02** ( 2006.01 )  
**B28C 5/42** ( 2006.01 )  
**G05B 13/02** ( 2006.01 )  
 (31) 102023000024573 (32) 20.11.23 (33) IT  
 (43) 12.06.2025  
 (72) KNOP, Yaniv  
 (74) Forte Intellectual Property Pty Ltd

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

(71) Shenzhen Aiper Intelligent Co., Ltd.  
 (11) AU-A-2025203806  
 (21) 2025203806 (22) 22.05.2025  
 (54) Pool Automatic Cleaning Device, And Control Method Thereof  
 (51) Int. Cl.  
**E04H 4/16** ( 2006.01 )  
 (31) 63/742,854 (32) 07.01.25 (33) US  
 (43) 12.06.2025  
 (72) MAO, Xuejiao  
 (74) WRAYS PTY LTD

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(71) Shopify Inc.  
 (11) AU-A-2025203755  
 (21) 2025203755 (22) 21.05.2025  
 (54) SYSTEMS AND METHODS FOR GENERATING AUGMENTED REALITY CONTENT BASED ON DISTORTED THREE-DIMENSIONAL MODELS  
 (51) Int. Cl.  
**G06T 19/00** ( 2011.01 )  
**G06F 3/01** ( 2006.01 )  
**G06Q 30/06** ( 2023.01 )  
**G06T 7/70** ( 2017.01 )  
**G06T 9/00** ( 2006.01 )  
**G06T 19/20** ( 2011.01 )  
 (43) 12.06.2025  
 (62) 2021221868  
 (72) HAAPOJA, Juho Mikko; DELGADO, Byron Leonel; LEROUX, Stephan; BEAUCHAMP, Daniel; LALANI, Maas Mansoor Ali  
 (74) Murray Trento & Associates Pty Ltd

(71) SHOPIFY INC.  
 (11) AU-A-2025203760  
 (21) 2025203760 (22) 21.05.2025  
 (54) DUAL STAGE BULKHEADS  
 (51) Int. Cl.  
**G06F 9/50** ( 2006.01 )  
**G06F 11/30** ( 2006.01 )  
**G06Q 30/00** ( 2023.01 )  
 (43) 12.06.2025  
 (62) 2023234196  
 (72) POLAN, Damian Arpad; LI, Justin  
 (74) Murray Trento & Associates Pty Ltd

(71) SLD Technology, Inc.  
 (11) AU-A-2024227612  
 (21) 2024227612 (22) 24.10.2024  
 (54) MODULAR PATIENT LIFT SYSTEM  
 (51) Int. Cl.  
**A61G 7/10** ( 2006.01 )  
 (31) 63/190,232 (32) 18.05.21 (33) US  
 (43) 12.06.2025  
 (72) SCHREIBER, Kevin Joseph  
 (74) FB Rice Pty Ltd

(71) Sparkelec Pty Ltd  
 (11) AU-A-2023270350  
 (21) 2023270350 (22) 24.11.2023  
 (54) A DEVICE FOR FACILITATING REMOVING A PROTECTION SHEATH OF AN ELECTRICAL CABLE  
 (51) Int. Cl.  
**H02G 1/12** ( 2006.01 )  
**B25B 33/00** ( 2006.01 )  
**B26B 13/06** ( 2006.01 )  
**B26B 27/00** ( 2006.01 )  
**B25B 27/14** ( 2006.01 )  
**H01B 7/38** ( 2006.01 )  
 (43) 12.06.2025  
 (72) Yun Qi LU  
 (74) Baxter Patent Attorneys Pty Ltd

(71) Stryker Corporation  
 (11) AU-A-2024264732  
 (21) 2024264732 (22) 18.11.2024  
 (54) Surgical apparel system

(51) Int. Cl.  
**A42B 3/28** ( 2006.01 )  
**A41D 13/11** ( 2006.01 )  
 (31) 63/602,859 (32) 27.11.23 (33) US  
 (43) 12.06.2025  
 (72) Eschen, Kevin Paul; Theis, Christopher Jerome; Pipkorn, Rebecca Ann  
 (74) Davies Collison Cave Pty Ltd

(71) SubSea Craft Limited  
 (11) AU-A-2025203822  
 (21) 2025203822 (22) 23.05.2025  
 (54) Surface/submersible craft  
 (51) Int. Cl.  
**B63C 11/46** ( 2006.01 )  
**B63G 8/00** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2020219945  
 (72) ALLEN, Graham  
 (74) FPA Patent Attorneys Pty Ltd

(71) Sunbase Pty Ltd  
 (11) AU-A-2024227675  
 (21) 2024227675 (22) 28.10.2024  
 (54) Clamping Arrangement  
 (51) Int. Cl.  
**B62D 33/077** ( 2006.01 )  
**B62D 24/02** ( 2006.01 )  
**B62D 21/20** ( 2006.01 )  
**B62D 63/08** ( 2006.01 )  
 (31) 2023903789 (32) 24.11.23 (33) AU  
 (43) 12.06.2025  
 (72) Liu, Binwei Ben  
 (74) Cooper IP Pty Ltd

(71) Sustain Holdings, LLC  
 (11) AU-A-2025203832  
 (21) 2025203832 (22) 23.05.2025  
 (54) Collagen Peptide-Based Medicament Compositions And Devices And Methods Of Production And Use Thereof  
 (51) Int. Cl.  
**A61L 27/24** ( 2006.01 )  
**A61K 38/39** ( 2006.01 )  
**A61L 17/08** ( 2006.01 )  
**A61L 27/54** ( 2006.01 )  
**C07K 14/47** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2023200330  
 (72) SCHLUMPF, Richard Eric; BARATTA, Robert; DELOREY, Shawn A.  
 (74) WRAYS PTY LTD

(71) Swellfix UK Limited  
 (11) AU-A-2025203698  
 (21) 2025203698 (22) 20.05.2025  
 (54) DOWNHOLE FLOW CONTROL DEVICES AND METHODS  
 (51) Int. Cl.  
**E21B 34/08** ( 2006.01 )  
**E21B 43/12** ( 2006.01 )  
**F16K 17/34** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2019289191  
 (72) ANDERSON, James; GREEN, Annabel  
 (74) Griffith Hack

(71) Syngenta Crop Protection AG  
 (11) AU-A-2025203680  
 (21) 2025203680 (22) 20.05.2025  
 (54) Methods for detecting fungi in turf grass with a lamp assay having novel primer sets  
 (51) Int. Cl.  
**C12Q 1/6895** ( 2018.01 )  
 (43) 12.06.2025  
 (62) 2019213482  
 (72) PALMISANO, Marilena; WOHLER, Christian  
 (74) Davies Collison Cave Pty Ltd

(71) Syngenta Crop Protection AG  
 (11) AU-A-2025203681  
 (21) 2025203681 (22) 20.05.2025  
 (54) Methods for detecting fungi in turf grass with a lamp assay having novel primer sets  
 (51) Int. Cl.  
**C12Q 1/6895** ( 2018.01 )  
 (43) 12.06.2025  
 (62) 2019213482  
 (72) PALMISANO, Marilena; WOHLER, Christian  
 (74) Davies Collison Cave Pty Ltd

(71) Syngenta Crop Protection AG  
 (11) AU-A-2025203682  
 (21) 2025203682 (22) 20.05.2025  
 (54) Methods for detecting fungi in turf grass with a lamp assay having novel primer sets  
 (51) Int. Cl.  
**C12Q 1/6895** ( 2018.01 )  
 (43) 12.06.2025  
 (62) 2019213482  
 (72) PALMISANO, Marilena; WOHLER, Christian  
 (74) Davies Collison Cave Pty Ltd

(71) Syngenta Crop Protection AG  
 (11) AU-A-2025203683  
 (21) 2025203683 (22) 20.05.2025  
 (54) Methods for detecting fungi in turf grass with a lamp assay having novel primer sets  
 (51) Int. Cl.  
**C12Q 1/6895** ( 2018.01 )  
 (43) 12.06.2025  
 (62) 2019213482  
 (72) PALMISANO, Marilena; WOHLER, Christian  
 (74) Davies Collison Cave Pty Ltd

(71) Syngenta Crop Protection AG  
 (11) AU-A-2025203684  
 (21) 2025203684 (22) 20.05.2025  
 (54) Methods for detecting fungi in turf grass with a lamp assay having novel primer sets  
 (51) Int. Cl.  
**C12Q 1/6895** ( 2018.01 )

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(43) 12.06.2025  
 (62) 2019213482  
 (72) PALMISANO, Marilena; WOHLER, Christian  
 (74) Davies Collison Cave Pty Ltd

(71) Syngenta Crop Protection AG  
 (11) AU-A-2025203686  
 (21) 2025203686 (22) 20.05.2025  
 (54) Methods for detecting fungi in turf grass with a lamp assay having novel primer sets  
 (51) Int. Cl.  
**C12Q 1/6895** ( 2018.01 )  
 (43) 12.06.2025  
 (62) 2019213482  
 (72) PALMISANO, Marilena; WOHLER, Christian  
 (74) Davies Collison Cave Pty Ltd

(71) Taicang Dongtai Precision Machinery Co., Ltd.  
 (11) AU-A-2024200164  
 (21) 2024200164 (22) 11.01.2024  
 (54) AUTOMOBILE ROOF LIFTING MECHANISM  
 (51) Int. Cl.  
**B66F 7/06** ( 2006.01 )  
**B60J 7/02** ( 2006.01 )  
 (31) 2023231747453 (32) 24.11.23 (33) CN  
 (43) 12.06.2025  
 (72) LI, Dongsuo; WANG, Lilai  
 (74) Origin Patent and Trade Mark Attorneys

(71) Techtronic Cordless GP  
 (11) AU-A-2024264650  
 (21) 2024264650 (22) 14.11.2024  
 (54) Current collecting plate and battery unit comprising current collecting plate  
 (51) Int. Cl.  
**H01M 50/533** ( 2021.01 )  
**H01M 10/04** ( 2006.01 )  
**H01M 50/536** ( 2021.01 )  
 (31) 202311581686.3 (32) 23.11.23 (33) CN  
 (43) 12.06.2025  
 (72) LI, Jin Wei; GENG, Dan  
 (74) Spruson & Ferguson

(71) Tencent America LLC  
 (11) AU-A-2025203758  
 (21) 2025203758 (22) 21.05.2025  
 (54) METHOD AND APPARATUS FOR VIDEO CODING  
 (51) Int. Cl.  
**G06T 7/00** ( 2017.01 )  
 (43) 12.06.2025  
 (62) 2023203753  
 (72) Li, Ling; Li, Xiang; Liu, Shan  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Te Pari Products Limited  
 (11) AU-A-2024259748  
 (21) 2024259748 (22) 06.11.2024  
 (54) Electronic Fluid Dispenser  
 (51) Int. Cl.  
**A61D 7/00** ( 2006.01 )

**A61M 5/20** ( 2006.01 )  
**A61M 5/315** ( 2006.01 )  
**A61M 15/08** ( 2006.01 )  
**A61M 35/00** ( 2006.01 )  
 (31) 2023903845 (32) 29.11.23 (33) AU  
 (43) 12.06.2025  
 (72) Buckley, Paul Fleming  
 (74) CreatelP

(71) Tetrours, Inc.  
 (11) AU-A-2025203302  
 (21) 2025203302 (22) 08.05.2025  
 (54) Demineralized bone fiber composition for augmentation of fixation  
 (51) Int. Cl.  
**A61B 17/86** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2023203647  
 (72) CARTER, Andrew J.; PATT, Bradley E.; ANDERSSON, Gunnar; MCRURY, Ian  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) THALES  
 (11) AU-A-2024266770  
 (21) 2024266770 (22) 21.11.2024  
 (54) Method for improving a shooting training  
 (51) Int. Cl.  
**F41G 3/08** ( 2006.01 )  
**F41G 3/06** ( 2006.01 )  
**F41G 3/26** ( 2006.01 )  
**F41G 3/28** ( 2006.01 )  
**F41G 3/30** ( 2006.01 )  
 (31) 23307049.9 (32) 24.11.23 (33) EP  
 (43) 12.06.2025  
 (72) LAGUARDA, Joachim; GASSER, Rolf; SIANI, Tomer; ZENDER, Marco  
 (74) FB Rice Pty Ltd

(71) Thandra, V.; Shaaban, A.F.  
 (11) AU-A-2025203762  
 (21) 2025203762 (22) 21.05.2025  
 (54) FLAT FEE AND INTERIM BILLS FOR PROFESSIONAL SERVICES FIRM  
 (51) Int. Cl.  
**G06Q 10/06** ( 2023.01 )  
**G06Q 20/14** ( 2012.01 )  
 (43) 12.06.2025  
 (62) 2023201440  
 (72) Shaaban, Ahmed Farouk; Thandra, Venkat  
 (74) Murray Trento & Associates Pty Ltd

(71) The Boeing Company  
 (11) AU-A-2024266736  
 (21) 2024266736 (22) 20.11.2024  
 (54) Sustained load test fixture and methods of placing a specimen in tension  
 (51) Int. Cl.  
**G01N 3/08** ( 2006.01 )  
 (31) 18/520.291 (32) 27.11.23 (33) US  
 (43) 12.06.2025  
 (72) DOWNS, Hawken S.; KASPERSON, Brian Scott  
 (74) FB Rice Pty Ltd

(71) The Broad Institute, Inc.; Massachusetts Institute of Technology  
 (11) AU-A-2025203711  
 (21) 2025203711 (22) 20.05.2025  
 (54) TYPE VI-B CRISPR ENZYMES AND SYSTEMS  
 (51) Int. Cl.  
**C12N 9/22** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
**C12N 15/55** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2022283621  
 (72) Zhang, Feng; Smargon, Aaron; Pyzocha, Neena; Cox, David Benjamin Turitz; Lander, Eric S.  
 (74) PHILLIPS ORMONDE FITZPATRICK

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  
 (11) AU-A-2025203729  
 (21) 2025203729 (22) 21.05.2025  
 (54) Ultrasound based three-dimensional lesion verification within a vasculature  
 (51) Int. Cl.  
**A61B 8/12** ( 2006.01 )  
**A61B 8/00** ( 2006.01 )  
**A61B 8/08** ( 2006.01 )  
**G01S 7/52** ( 2006.01 )  
**G01S 15/89** ( 2006.01 )  
 (43) 12.06.2025  
 (62) 2019328805  
 (72) HENNERSPERGER, Christoph; BOURKE, Andrew; LAHART, Fionn  
 (74) Spruson & Ferguson

(71) The Johns Hopkins University  
 (11) AU-A-2025203767  
 (21) 2025203767 (22) 21.05.2025  
 (54) Manabodies And Methods Of Using  
 (51) Int. Cl.  
**C07K 16/18** ( 2006.01 )  
**C07K 7/00** ( 2006.01 )  
**C07K 14/47** ( 2006.01 )  
**C07K 14/71** ( 2006.01 )  
**C07K 14/82** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**C07K 16/32** ( 2006.01 )  
**C07K 16/40** ( 2006.01 )  
**C07K 19/00** ( 2006.01 )

(43) 12.06.2025  
 (62) 2018269370  
 (72) Vogelstein, Bert; Kinzler, Kenneth W.; Zhou, Shibin; Douglass, Jacqueline;

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- Hwang, Michael S.; Papadopoulos, Nickolas; Hsiue, Emily Han-Chung; Wang, Qing  
**(74)** WRAYS PTY LTD
- 
- (71)** The Rockefeller University; The Broad Institute, Inc.; Massachusetts Institute of Technology; President and Fellows of Harvard College  
**(11)** AU-A-2025203777  
**(21)** 2025203777 **(22)** 22.05.2025  
**(54)** CRISPR-Cas component systems, methods and compositions for sequence manipulation  
**(51)** Int. Cl.  
**C12N 15/63** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2022203763  
**(72)** ZHANG, Feng; BIKARD, David Olivier; CONG, Le; COX, David Benjamin Turitz; HSU, Patrick; JIANG, Wenyan; LIN, Shuailiang; MARRAFFINI, Luciano; PLATT, Randall Jeffrey; RAN, Fei; SAN-JANA, Neville Espi  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** THE TEXAS A & M UNIVERSITY SYSTEM  
**(11)** AU-A-2025203748  
**(21)** 2025203748 **(22)** 21.05.2025  
**(54)** PROCESS FOR PARTIAL UPGRADING OF HEAVY OIL  
**(51)** Int. Cl.  
**C10G 1/00** ( 2006.01 )  
**C10G 53/00** ( 2006.01 )  
**C10G 53/02** ( 2006.01 )  
**C10G 53/04** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2019256695  
**(72)** JEMISON, Howard; STAACK, David; WANG, Kunpeng  
**(74)** AJ PARK
- 
- (71)** The United States of America, as represented by the Secretary, Department of Health & Human Services  
**(11)** AU-A-2025203614  
**(21)** 2025203614 **(22)** 19.05.2025  
**(54)** PREFUSION RSV F PROTEINS AND THEIR USE  
**(51)** Int. Cl.  
**C07K 14/135** ( 2006.01 )  
**A61K 38/10** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 39/155** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
**C12N 15/45** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2023200712  
**(72)** Kwong, Peter D.; Zhou, Tongqing; Yang, Yongping; Chuang, Gwo-yu; Chen, Lei; Boyington, Jeffrey; Pancera, Marie; Soto, Cinque; Srivatsan, Sanjay; Stewart-Jones, Guillaume; Graham, Barney S.; McLellan, Jason S.; Joyce, Michael Gordon; Kanekiyo, Masaru; Zhang, Baoshan; Ofek, Gilad; Sastry, Mallika; Chen, Man; Gorman, Jason; Georgiev, Ivelin Stefanov  
**(74)** Pizzseys Patent and Trade Mark Attorneys Pty Ltd
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- TIPP, D. see CHAPMAN, T.A.**  
**(21)** 2025203818
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- (71)** Trevi Therapeutics, Inc.  
**(11)** AU-A-2025203754  
**(21)** 2025203754 **(22)** 21.05.2025  
**(54)** Treatment of chronic cough, breathlessness and dyspnea  
**(51)** Int. Cl.  
**A61K 31/47** ( 2006.01 )  
**A61K 31/485** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2019309913  
**(72)** SCIASCIA, Thomas  
**(74)** Spruson & Ferguson
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- (71)** Tuff Tonneaus Wholesale Pty Ltd  
**(11)** AU-A-2024266720  
**(21)** 2024266720 **(22)** 20.11.2024  
**(54)** FOLDABLE TONNEAU COVER  
**(51)** Int. Cl.  
**B60J 7/14** ( 2006.01 )  
**B60J 7/10** ( 2006.01 )  
**B60J 7/19** ( 2006.01 )  
**(31)** 2023903790 **(32)** 24.11.23 **(33)** AU  
**(43)** 12.06.2025  
**(72)** Arthur, Nicholas; Bickford, Sam  
**(74)** mdp Patent and Trade Mark Attorneys
- 
- (71)** Universität Heidelberg  
**(11)** AU-A-2025203815  
**(21)** 2025203815 **(22)** 23.05.2025  
**(54)** FAP inhibitor  
**(51)** Int. Cl.  
**C07D 401/12** ( 2006.01 )  
**A61K 31/4709** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 401/14** ( 2006.01 )  
**C07D 405/14** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2023201120  
**(72)** HABERKORN, Uwe; LOKTEV, Anastasia; LINDNER, Thomas; MIER, Walter; GIESEL, Frederik; KRATOCHWIL, Clemens  
**(74)** Spruson & Ferguson
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- (71)** Universität Heidelberg  
**(11)** AU-A-2025203824  
**(21)** 2025203824 **(22)** 23.05.2025  
**(54)** FAP inhibitor  
**(51)** Int. Cl.  
**C07D 401/12** ( 2006.01 )  
**A61K 31/4709** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 401/14** ( 2006.01 )  
**C07D 405/14** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2023201120  
**(72)** HABERKORN, Uwe; LOKTEV, Anastasia; LINDNER, Thomas; MIER, Walter; GIESEL, Frederik; KRATOCHWIL, Clemens  
**(74)** Spruson & Ferguson
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- ter; GIESEL, Frederik; KRATOCHWIL, Clemens  
**(74)** Spruson & Ferguson
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- (71)** Universität Heidelberg  
**(11)** AU-A-2025203825  
**(21)** 2025203825 **(22)** 23.05.2025  
**(54)** FAP inhibitor  
**(51)** Int. Cl.  
**C07D 401/12** ( 2006.01 )  
**A61K 31/4709** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**(43)** 12.06.2025  
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**(72)** HABERKORN, Uwe; LOKTEV, Anastasia; LINDNER, Thomas; MIER, Walter; GIESEL, Frederik; KRATOCHWIL, Clemens  
**(74)** Spruson & Ferguson
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- (71)** UOP LLC  
**(11)** AU-A-2025203750  
**(21)** 2025203750 **(22)** 21.05.2025  
**(54)** A process for PVC-containing mixed plastic waste pyrolysis  
**(51)** Int. Cl.  
**B29B 17/00** ( 2006.01 )  
**C10B 49/02** ( 2006.01 )  
**C10B 53/07** ( 2006.01 )  
**F23G 5/027** ( 2006.01 )  
**F23G 7/12** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2021414144  
**(72)** SUN, Ping; CHEN, Pengfei  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** Vanderbilt University  
**(11)** AU-A-2025203763  
**(21)** 2025203763 **(22)** 21.05.2025  
**(54)** Wearable assistance devices and methods of operation  
**(51)** Int. Cl.  
**A61F 5/02** ( 2006.01 )  
**A63B 21/00** ( 2006.01 )  
**B25J 9/00** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2020284017  
**(72)** ZELIK, Karl; LAMERS, Erik; YANDELL, Matthew; HOWSER, Dustin  
**(74)** Spruson & Ferguson
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- (71)** Vertex Pharmaceuticals Incorporated  
**(11)** AU-A-2025203781  
**(21)** 2025203781 **(22)** 22.05.2025  
**(54)** CRYSTALLINE FORMS OF CFTR MODULATORS  
**(51)** Int. Cl.  
**C07D 513/22** ( 2006.01 )  
**A61K 31/435** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**(43)** 12.06.2025  
**(62)** 2020328028  
**(72)** SHI, Yi; GAGNON, Kevin J.; LI, Jicong; LU, Jennifer; MEDEK, Ales; SHRESTHA, Muna; WALDO, Mi-

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**(74)** AJ PARK
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- (71)** W & H Dentalwerk Bürmoos GmbH  
**(11)** AU-A-2024264728  
**(21)** 2024264728 **(22)** 18.11.2024  
**(54)** Handpiece with rotary knob to operate the tool holder  
**(51)** Int. Cl.  
**A61C 1/14** ( 2006.01 )  
**A61C 1/02** ( 2006.01 )  
**A61C 1/08** ( 2006.01 )  
**(31)** 23211879.4 **(32)** 24.11.23 **(33)** EP  
**(43)** 12.06.2025  
**(72)** GOLLACKNER, Alois; LANG, Thomas  
**(74)** FB Rice Pty Ltd
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- (71)** Wix.com Ltd.  
**(11)** AU-A-2025203629  
**(21)** 2025203629 **(22)** 20.05.2025  
**(54)** System and method for creation and handling of configurable applications for website building systems  
**(51)** Int. Cl.  
**G06F 17/00** ( 2019.01 )  
**(43)** 12.06.2025  
**(62)** 2019378243  
**(72)** BLUMENFELD, Uval Arie; FATTAL, Or; MARCUS, Avi; WAXMAN, Hannah; AGAN, Karin; YOSEF, Maor; KAUFMAN, Amit; CHEJANOVSKY, Itai; GANIM, Omer; SHEFER, Lior; BEN-ARI, Or-Avraham; AHARON, Nathalie; SHALEV INBAR, Noam; SHTEKEL, Itay; BARZILAY, Tzufit  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** Yantai Chungway New Energy Technology Co., Ltd.  
**(11)** AU-A-2024201888  
**(21)** 2024201888 **(22)** 22.03.2024  
**(54)** FIRE PREVENTION AND CONTROL SYSTEM FOR RECHARGEABLE BATTERY CABIN OF SHIP  
**(51)** Int. Cl.  
**A62C 3/10** ( 2006.01 )  
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**H01M 50/204** ( 2021.01 )  
**(31)** 202311573135.2 **(32)** 23.11.23 **(33)** CN  
**(43)** 12.06.2025  
**(72)** Lin, Hao; Zhang, Lilei; Li, Mingming; Wang, Hualei; Wang, Yang; Niu, Xingbin; Tian, Yuanyuan; Sun, Haoji  
**(74)** Madderns Pty Ltd
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- (71)** ZTE Corporation  
**(11)** AU-A-2025203778
- (21)** 2025203778 **(22)** 22.05.2025  
**(54)** INFORMATION TRANSMISSION METHOD AND DEVICE, INFORMATION DETERMINATION METHOD AND DEVICE, SIGNALING INFORMATION TRANSMISSION METHOD AND DEVICE, PARAMETER ACQUISITION METHOD AND DEVICE, AND STORAGE MEDIUM  
**(51)** Int. Cl.  
**H04L 1/18** ( 2023.01 )  
**H04L 5/00** ( 2006.01 )  
**H04W 72/04** ( 2023.01 )  
**(43)** 12.06.2025  
**(62)** 2020246742  
**(72)** ZHANG, Shujuan; LU, Zhaohua; WANG, Xiyu; JIANG, Chuangxin; XIAO, Huahua; HE, Zhen  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

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2025203778	ZTE Corporation
2025203780	President and Fellows of Harvard College; Massachu- setts Institute of Technology; The Broad Institute, Inc.
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2025203782	Massachusetts Institute of Technology; The Broad Insti- tute, Inc.; President and Fellows of Harvard College
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2025203836	Primewan Limited
2025203839	NICOLON CORPORATION D/B/A TENCATE GEO- SYNTHETICS AMERICAS
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<b>B29B 17 /-</b> 2025203750	<b>B65G 21 /-</b> 2024267032	<b>C08L 1 /-</b> 2025201132	<b>D03D 1 /-</b> 2025203839	<b>F02C 9 /-</b> 2024264725	<b>F21V 23 /-</b> 2024204042
<b>B30B 9 /-</b> 2024266815	<b>B65G 3 /-</b> 2024266837	<b>C08L 3 /-</b> 2025201132	<b>D03D 15 /-</b> 2025203839	<b>F03D 13 /-</b> 2023270291	<b>F23G 5 /-</b> 2025203750
<b>B32B 5 /-</b> 2025203612	<b>B66F 7 /-</b> 2024200164	<b>C08L 67 /-</b> 2025201132	<b>D06F 34 /-</b> 2025203772	<b>F03D 3 /-</b> 2023270291	<b>F23G 7 /-</b> 2025203750
<b>B32B 7 /-</b> 2025203612	<b>C02F 1 /-</b> 2025203796	<b>C10B 49 /-</b> 2025203750	<b>E02D 17 /-</b> 2025203839	<b>F03D 7 /-</b> 2023270291	<b>F23N 1 /-</b> 2024264725
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<b>B64C 29 /-</b> 2023270571				<b>F16L 55 /-</b> 2024264743	<b>G01N 15 /-</b> 2025203610
<b>B64C 39 /-</b> 2023270571				<b>F16T 1 /-</b> 2024264743	

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<b>G01N 21 /-</b> 2024266854	2025203744	<b>G16H 40 /-</b> 2025203739
<b>G01N 3 /-</b> 2024266736	<b>G06N 3 /-</b> 2023270351 2024220078 2025203744	<b>G16H 50 /-</b> 2024220078 2025203802
<b>G01N 33 /-</b> 2024361198 2025203121 2025203687 2025203697 2025203727 2025203789	<b>G06N 5 /-</b> 2024227272	<b>G16H 80 /-</b> 2025203802
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<b>G01S 7 /-</b> 2025203729	<b>G06T 13 /-</b> 2023270351	<b>H02G 1 /-</b> 2023270350
<b>G02B 21 /-</b> 2025203610	<b>G06T 19 /-</b> 2025203755	<b>H02K 16 /-</b> 2023270291
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<b>G05B 19 /-</b> 2025203793	<b>G06T 9 /-</b> 2025203755	<b>H02K 9 /-</b> 2023270319
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<b>G06F 11 /-</b> 2025203760	<b>G08B 21 /-</b> 2025203739	<b>H04B 5 /-</b> 2025203671
<b>G06F 17 /-</b> 2024354213 2025203629	<b>G08G 1 /-</b> 2024264643	<b>H04L 1 /-</b> 2025203778 2025203836
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<b>G06F 21 /-</b> 2025203696	<b>G16H 20 /-</b> 2025203802	<b>H04L 9 /-</b> 2025203696 2025203756
<b>G06F 3 /-</b> 2025203755	<b>G16H 30 /-</b> 2024220078	<b>H04R 5 /-</b> 2025203844
<b>G06F 40 /-</b> 2023270351		<b>H04W 12 /-</b> 2025203671 2025203756
<b>G06F 9 /-</b> 2025203760		<b>H04W 4 /-</b> 2025203671
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		<b>No IPC Mark</b>

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 (51) Int. Cl.  
     **A61K 47/55** ( 2017.01 )  
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     **A61P 31/00** ( 2006.01 )  
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 (72) ROSENBERG, Alexander; ZANDER, Itzhak; SHMUL, Guy  
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 (54) CELL THERAPIES FOR TYPE 1 DIABETES  
 (51) Int. Cl.  
     **C07K 14/725** ( 2006.01 )  
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 (21) 2023406032 (22) 28.11.2023  
 (54) UNIVERSAL SENSING SYSTEM  
 (51) Int. Cl.  
     **C12Q 1/00** ( 2006.01 )  
     **C12N 9/04** ( 2006.01 )  
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     **C01B 11/02** ( 2006.01 )  
     **A01K 51/00** ( 2006.01 )  
     **A61L 2/20** ( 2006.01 )  
     **A61L 101/08** ( 2006.01 )  
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     **A61M 60/13** ( 2021.01 )  
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 (51) Int. Cl.

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     **C07K 19/00** ( 2006.01 )  
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     **B29C 73/02** ( 2006.01 )  
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     **B01D 11/04** ( 2006.01 )  
     **C01D 15/04** ( 2006.01 )  
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 (54) SYSTEMS AND METHODS FOR DETECTION OF CELLULAR ENTITIES  
 (51) Int. Cl.  
*G01N 21/17* (2006.01)  
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*C07K 19/00* (2006.01)  
*C12N 9/10* (2006.01)  
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*C12N 15/113* (2010.01)  
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 (54) METHODS FOR PREPARING AMORPHOUS CALCIUM CARBONATE BY FIXATION OF CARBON DIOXIDE  
 (51) Int. Cl.  
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**B09C 1/10** ( 2006.01 )  
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**A61P 27/02** ( 2006.01 )  
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**F21S 9/03** ( 2006.01 )  
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**G06F 21/62** ( 2013.01 )  
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B23Q 11/00 ( 2006.01 )  
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C12Q 1/6806 ( 2018.01 )  
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B60L 1/08 ( 2006.01 )  
B60K 1/00 ( 2006.01 )  
B60K 1/04 ( 2019.01 )  
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H01M 10/42 ( 2006.01 )  
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H01M 50/271 ( 2021.01 )  
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A23B 2/754 ( 2025.01 )  
A23K 20/105 ( 2016.01 )  
A23K 20/111 ( 2016.01 )  
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A23K 30/00 ( 2016.01 )  
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**C10M 169/04** ( 2006.01 )  
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**B01J 13/16** ( 2006.01 )  
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**C22B 7/00** ( 2006.01 )  
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**C25B 11/043** ( 2021.01 )  
**C25C 1/00** ( 2006.01 )  
**C02F 101/10** ( 2006.01 )  
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**G05D 1/225** ( 2024.01 )  
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 (54) METHOD AND SYSTEM FOR INCON-  
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**G06Q 50/22** ( 2024.01 )  
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**C07D 311/04** ( 2006.01 )  
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 (72) TARNOPOLSKY, Mark  
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 Mark Stamatios; MCRUER, Robert N.;  
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 CYCLE AND A BICYCLE  
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**A63B 55/50** ( 2015.01 )  
**B62K 3/00** ( 2006.01 )  
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**A23B 2/783** ( 2025.01 )  
**A23L 13/40** ( 2023.01 )  
**A23L 13/60** ( 2016.01 )  
**A23L 19/00** ( 2016.01 )  
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**F16L 33/22** ( 2006.01 )  
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 (54) A DEVICE TO COUNTER THE EF-  
 FECT OF PATH CROSS-SLOPE ON  
 MANUAL WHEELCHAIRS  
 (51) Int. Cl.  
**B60B 33/00** ( 2006.01 )  
**A61G 5/06** ( 2006.01 )  
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 (51) Int. Cl.  
 G01V 1/00 ( 2024.01 )  
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 (54) METHOD AND SYSTEM FOR DETERMINING THERMAL PROPERTIES OF SOIL FIELD  
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 (51) Int. Cl.  
 G01V 1/28 ( 2006.01 )  
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 G01V 1/36 ( 2006.01 )  
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 (51) Int. Cl.  
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 (11) AU-A-2023413573  
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 (54) METHOD FOR CROSS-CORRELATING RECEIVER SIGNALS  
 (51) Int. Cl.  
 G01V 1/32 ( 2006.01 )  
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 G06F 12/02 ( 2006.01 )  
 G06T 1/20 ( 2006.01 )  
 G06T 1/60 ( 2006.01 )  
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 (54) METHOD FOR CROSS-CORRELATING RECEIVER SIGNALS  
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 E02D 1/02 ( 2006.01 )  
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 (54) METHOD AND RELATED APPARATUS FOR ANALYSING A TARGET REGION BENEATH A SURFACE OF THE EARTH  
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*A61K 31/55* ( 2006.01 )  
*A61P 29/00* ( 2006.01 )  
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CULATOR DEVICE AND METHOD  
FOR OPERATING SUCH ENCODER  
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*A23L 5/10* ( 2016.01 )  
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(51) Int. Cl.  
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*A61K 47/10* ( 2017.01 )  
*A61K 47/12* ( 2006.01 )  
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*A61P 17/04* ( 2006.01 )  
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(54) METHOD FOR PRODUCING A FER-  
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*C05D 1/04* ( 2006.01 )  
*C05G 3/80* ( 2020.01 )  
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*A61K 36/21* ( 2006.01 )  
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 H02G 1/12 ( 2006.01 )  
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 (54) MULTI-FLOW-PATH PROCESS GAS ONLINE ANALYSIS AND PRETREATMENT DEVICE  
 (51) Int. Cl.  
 G01N 1/26 ( 2006.01 )  
 G01F 1/00 ( 2022.01 )  
 G01F 25/10 ( 2022.01 )  
 G01N 33/00 ( 2006.01 )  
 G05D 7/01 ( 2006.01 )  
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 C07D 405/14 ( 2006.01 )  
 A61K 31/444 ( 2006.01 )  
 A61K 31/4545 ( 2006.01 )  
 A61P 3/06 ( 2006.01 )  
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 C07D 235/14 ( 2006.01 )  
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 (54) DEVICE POSITIONING METHOD AND SYSTEM BY USING SIGNAL DIRECTION  
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 G01N 25/72 ( 2006.01 )  
 A61B 6/10 ( 2006.01 )  
 G01N 23/00 ( 2006.01 )  
 G01T 1/29 ( 2006.01 )  
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 C09D 105/00 ( 2006.01 )  
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 (54) A PROCESS FOR THE PURIFICATION OF GRAPHITIC MATERIAL  
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 C25B 1/50 ( 2021.01 )  
 C01B 32/215 ( 2017.01 )  
 C25B 1/135 ( 2021.01 )  
 H01M 4/50 ( 2010.01 )  
 H01M 4/62 ( 2006.01 )  
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 (54) SYSTEM AND METHODS CONFIGURED TO ENABLE IMPROVED/OPTIMISED CONTROL OF A HYDROCARBON PYROLYSIS PROCESS  
 (51) Int. Cl.  
 B01J 19/00 ( 2006.01 )  
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 (54) METHOD AND DEVICE FOR OPTIMIZING SHIP NAVIGATION  
 (51) Int. Cl.  
 B63B 79/40 ( 2020.01 )  
 B63B 11/04 ( 2006.01 )  
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 B63B 79/20 ( 2020.01 )  
 B63B 79/30 ( 2020.01 )  
 B63H 21/38 ( 2006.01 )  
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(74) Griffith Hack
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- (71) JARVIS PRODUCTS CORPORATION  
(11) AU-A-2022487137  
(21) 2022487137 (22) 15.12.2022  
(54) ANIMAL STUNNING ENCLOSURE  
(51) Int. Cl.  
**A22B 5/02** ( 2006.01 )  
**A01K 1/06** ( 2006.01 )  
**A22B 1/00** ( 2006.01 )  
**A22B 3/06** ( 2006.01 )  
(87) WO2024/112347  
(31) 63/384,670 (32) 22.11.22 (33) US  
(43) 30.05.2024  
(72) HAWORTH, Robert  
(74) Spruson & Ferguson
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- (71) JAZZ PHARMACEUTICALS IRELAND LIMITED  
(11) AU-A-2023400844  
(21) 2023400844 (22) 29.11.2023  
(54) CRYSTALLINE FORMS OF (S)-5-((3-(4-(4-FLUOROPHENYL)-1H-IMIDAZOL-2-YL)CHROMAN-6-YL)OXY)-3,4-DI-

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**(51)** Int. Cl.  
**A61P 35/00** ( 2006.01 )  
**A61K 31/4375** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )  
**(87)** WO2024/115583  
**(31)** 63/428,604 **(32)** 29.11.22 **(33)** US  
**(43)** 06.06.2024  
**(72)** COOGAN, Adrian; MCMAHON, Anthony; BELFIELD, Andrew James; JONES, Clifford David; HURLEY, Fionn  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** JEAMOON BEIJING CO., LTD.  
**(11)** AU-A-2023386808  
**(21)** 2023386808 **(22)** 01.08.2023  
**(54)** USE OF LY2922470 IN PREPARING A MEDICAMENT FOR PREVENTING OR TREATING RENAL DISEASES  
**(51)** Int. Cl.  
**A61K 31/4709** ( 2006.01 )  
**A61K 9/08** ( 2006.01 )  
**A61K 9/10** ( 2006.01 )  
**A61K 9/16** ( 2006.01 )  
**A61K 9/20** ( 2006.01 )  
**A61K 9/48** ( 2006.01 )  
**A61P 13/12** ( 2006.01 )  
**(87)** WO2024/109153  
**(31)** 202211466949.1 **(32)** 22.11.22 **(33)** CN  
**(43)** 30.05.2024  
**(72)** CUI, Qinghua; ZHOU, Wanlu  
**(74)** PATENTS AU PTY LTD
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- (71)** JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.; SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD.  
**(11)** AU-A-2023383898  
**(21)** 2023383898 **(22)** 23.11.2023  
**(54)** PHARMACEUTICALLY ACCEPTABLE SALT OF NITROGEN-CONTAINING HETEROCYCLIC COMPOUND, CRYSTAL FORM THEREOF, AND PREPARATION METHOD THEREFOR  
**(51)** Int. Cl.  
**C07D 519/00** ( 2006.01 )  
**A61K 31/4375** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 401/12** ( 2006.01 )  
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**(72)** SHANG, Tingting; YANG, Junran; DU, Zhenxing; SHAO, Cheng; YOU, Lingfeng  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** JIANGSU YAHONG MEDITECH CO., LTD.; ASIERIS PHARMACEUTICALS (SHANGHAI) CO., LTD.  
**(11)** AU-A-2023420301  
**(21)** 2023420301 **(22)** 29.12.2023  
**(54)** PYRAZOLE FUSED RING COMPOUND, AND PREPARATION METHOD THEREFOR AND USE THEREOF  
**(51)** Int. Cl.  
**C07D 401/14** ( 2006.01 )  
**A61K 31/4439** ( 2006.01 )
- A61K 31/4545** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
**A61K 31/5377** ( 2006.01 )  
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**(31)** 202211728240.4 **(32)** 30.12.22 **(33)** CN  
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**(11)** AU-A-2023368399  
**(21)** 2023368399 **(22)** 13.10.2023  
**(54)** COSMETIC COMPOSITION CONTAINING MICRONEEDLES OF POLYMER  
**(51)** Int. Cl.  
**A61K 8/81** ( 2006.01 )  
**A61K 8/02** ( 2006.01 )  
**A61K 8/04** ( 2006.01 )  
**A61K 8/25** ( 2006.01 )  
**A61K 8/31** ( 2006.01 )  
**A61K 8/37** ( 2006.01 )  
**A61K 8/67** ( 2006.01 )  
**A61K 8/73** ( 2006.01 )  
**A61Q 19/08** ( 2006.01 )  
**(87)** WO2024/090251  
**(31)** 2022-172382 **(32)** 27.10.22 **(33)** JP  
**(43)** 02.05.2024  
**(72)** WAKABAYASHI Mao  
**(74)** Spruson & Ferguson
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**(54)** PHARMACEUTICAL COMPOSITION OF NON-ENVELOPED VIRUS  
**(51)** Int. Cl.  
**A61K 9/08** ( 2006.01 )  
**A61K 35/76** ( 2015.01 )  
**A61K 47/02** ( 2006.01 )  
**A61K 47/18** ( 2017.01 )  
**A61K 48/00** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )  
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**(74)** Arceo IP
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**(11)** AU-A-2023406052  
**(21)** 2023406052 **(22)** 28.11.2023  
**(54)** METHODS FOR VISION CORRECTION  
**(51)** Int. Cl.  
**A61M 16/04** ( 2006.01 )  
**A61B 1/267** ( 2006.01 )  
**(87)** WO2024/118662  
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**(72)** ALSTER, Yair; RAFAELI, Omer; DE JUAN, Eugene; AZMON, Barak; CLARKE, Matt  
**(74)** FPA Patent Attorneys Pty Ltd
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**(11)** AU-A-2023415881  
**(21)** 2023415881 **(22)** 22.12.2023  
**(54)** METHODS OF MANUFACTURING CONTACT LENSES FOR CORRECTING OPTICAL ABERRATIONS  
**(51)** Int. Cl.  
**G02C 7/04** ( 2006.01 )  
**G02C 7/06** ( 2006.01 )  
**(87)** WO2024/145217  
**(31)** 63/436,050 **(32)** 29.12.22 **(33)** US  
**(43)** 04.07.2024  
**(72)** ALSTER, Yair; RAFAELI, Omer; CLARKE, Matt; DE JUAN, JR., Eugene  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)  
**(11)** AU-A-2022483532  
**(21)** 2022483532 **(22)** 25.11.2022  
**(54)** METHOD FOR DETERMINING HIGH TEMPERATURE PROPERTIES OF IRON ORE PELLETS, METHOD FOR PRODUCING IRON ORE PELLETS, AND IRON ORE PELLETS  
**(51)** Int. Cl.  
**C22B 1/16** ( 2006.01 )  
**C21B 5/00** ( 2006.01 )  
**C22B 1/14** ( 2006.01 )  
**(87)** WO2024/089903  
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**(72)** MORIOKA Koichi; KAJIYAMA Yuki; KATO Tsugunori; TAKIGUCHI Yuta  
**(74)** FB Rice Pty Ltd
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**(11)** AU-A-2023405270  
**(21)** 2023405270 **(22)** 09.11.2023  
**(54)** METHOD FOR CONTROLLING A COMPRESSOR SYSTEM COMPRISING MULTIPLE COMPRESSORS  
**(51)** Int. Cl.  
**F04D 25/16** ( 2006.01 )  
**F04B 49/00** ( 2006.01 )  
**F04B 49/06** ( 2006.01 )  
**F04B 49/20** ( 2006.01 )  
**F04C 28/02** ( 2006.01 )  
**F04D 27/02** ( 2006.01 )  
**G05B 13/04** ( 2006.01 )  
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**(72)** WAGNER, Florian; SPRÜGEL, Tobias  
**(74)** Griffith Hack
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**(11)** AU-A-2023394018  
**(21)** 2023394018 **(22)** 15.12.2023  
**(54)** METHOD FOR LOW MEMORY ENCODING OF VIDEO

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**H04N 19/146** ( 2014.01 )  
**H04N 19/176** ( 2014.01 )  
**H04N 19/186** ( 2014.01 )  
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(43) 20.06.2024  
(72) TAUBMAN, David Scott; NAMAN, Aous  
(74) Griffith Hack
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(11) AU-A-2024319922  
(21) 2024319922 (22) 09.08.2024  
(54) ROTATABLE CUTTING TOOL WITH CUTTING INSERT AND BOLSTER  
(51) Int. Cl.  
**E21B 10/43** ( 2006.01 )  
**E01C 23/088** ( 2006.01 )  
**E21C 35/183** ( 2006.01 )  
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(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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(21) 2023367029 (22) 27.10.2023  
(54) METHODS OF PREVENTING, DELAYING OR AMELIORATING PEDIATRIC ATOPIC DISEASE  
(51) Int. Cl.  
**A61K 35/745** ( 2015.01 )  
**A61P 11/06** ( 2006.01 )  
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(43) 02.05.2024  
(72) INSEL, Richard A.  
(74) Spruson & Ferguson
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(21) 2023408647 (22) 22.12.2023  
(54) REGENERATION BY PROTOPLAST CALLUS GRAFTING  
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**A01H 4/00** ( 2006.01 )  
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(43) 27.06.2024  
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(74) Griffith Hack
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(21) 2023383867 (22) 22.11.2023  
(54) FUSED RING COMPOUND, CONJUGATE THEREOF AND USE THEREOF  
(51) Int. Cl.
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**A61K 31/165** ( 2006.01 )  
**A61K 31/357** ( 2006.01 )  
**A61K 31/40** ( 2006.01 )  
**A61K 31/437** ( 2006.01 )  
**A61K 31/4375** ( 2006.01 )  
**A61K 31/47** ( 2006.01 )  
**A61K 31/4745** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61K 47/65** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 35/02** ( 2006.01 )  
**C07D 491/147** ( 2006.01 )  
**C07D 491/22** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
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202310683602.0 09.06.23 CN  
(43) 30.05.2024  
(72) CHEN, Bo  
(74) PHILLIPS ORMONDE FITZPATRICK
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(21) 2023391092 (22) 07.12.2023  
(54) LACTIC ACID BACTERIUM-CONTAINING BEVERAGE WITH IMPROVED DISHARMONIC TASTE FLOW AND MANUFACTURING METHOD THEREOF  
(51) Int. Cl.  
**C12G 3/04** ( 2019.01 )  
**A23L 2/00** ( 2006.01 )  
**A23L 2/52** ( 2006.01 )  
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(31) 2022-197223 (32) 09.12.22 (33) JP  
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(21) 2023395363 (22) 29.11.2023  
(54) FUEL CELL SYSTEM AND WORK VEHICLE  
(51) Int. Cl.  
**H01M 8/04858** ( 2016.01 )  
**B60L 50/75** ( 2019.01 )  
**B60L 58/40** ( 2019.01 )  
(87) WO2024/127995  
(31) 2022-200398 (32) 15.12.22 (33) JP  
(43) 20.06.2024  
(72) YOSHIDA, Tetsuo  
(74) Spruson & Ferguson
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(11) AU-A-2023409168  
(21) 2023409168 (22) 18.12.2023  
(54) WORK VEHICLE, CONTROL DEVICE, AND CONTROL METHOD  
(51) Int. Cl.  
**B60L 58/40** ( 2019.01 )  
**B60L 53/54** ( 2019.01 )  
**B60L 58/30** ( 2019.01 )
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- H01M 8/00** ( 2016.01 )  
**H01M 8/04** ( 2016.01 )  
**H01M 8/04313** ( 2016.01 )  
**H01M 8/04537** ( 2016.01 )  
**H01M 8/04746** ( 2016.01 )  
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(31) 2022-202368 (32) 19.12.22 (33) JP  
(43) 27.06.2024  
(72) EBISUZAKI Hideyo; SAKUMA Go  
(74) FB Rice Pty Ltd
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(21) 2023411712 (22) 22.12.2023  
(54) WORK VEHICLE, CONTROL DEVICE, AND CONTROL METHOD  
(51) Int. Cl.  
**B60L 58/34** ( 2019.01 )  
**H01M 8/00** ( 2016.01 )  
**H01M 8/04** ( 2016.01 )  
**H01M 8/04007** ( 2016.01 )  
**H01M 8/04228** ( 2016.01 )  
**H01M 8/04303** ( 2016.01 )  
**H01M 8/0432** ( 2016.01 )  
**H01M 8/04701** ( 2016.01 )  
**H01M 8/04858** ( 2016.01 )  
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(31) 2022-205764 (32) 22.12.22 (33) JP  
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(72) ONO Yuki; SAKUMA Go; EBISUZAKI Hideyo  
(74) FB Rice Pty Ltd
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(21) 2023415640 (22) 18.12.2023  
(54) DUMP TRUCK  
(51) Int. Cl.  
**B60K 11/04** ( 2006.01 )  
**B60K 8/00** ( 2006.01 )  
**B60L 50/71** ( 2019.01 )  
**B60P 1/04** ( 2006.01 )  
**B60P 1/28** ( 2006.01 )  
**H01M 8/00** ( 2016.01 )  
**H01M 8/04** ( 2016.01 )  
**H01M 8/04014** ( 2016.01 )  
**H01M 8/10** ( 2016.01 )  
(87) WO2024/143035  
(31) 2022-207846 (32) 26.12.22 (33) JP  
(43) 04.07.2024  
(72) ONO Yuki  
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(21) 2023417424 (22) 07.12.2023  
(54) DUMP TRUCK  
(51) Int. Cl.  
**F15B 21/14** ( 2006.01 )  
**B60P 1/04** ( 2006.01 )  
**B60P 1/54** ( 2006.01 )  
**E02F 9/22** ( 2006.01 )  
**F15B 11/02** ( 2006.01 )  
**F15B 11/024** ( 2006.01 )  
(87) WO2024/142831  
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 (21) 2023424451 (22) 11.12.2023  
 (54) WORK VEHICLE  
 (51) Int. Cl.  
     **B60L 50/75** ( 2019.01 )  
     **B60L 7/10** ( 2006.01 )  
     **H01M 8/00** ( 2016.01 )  
     **H01M 8/0656** ( 2016.01 )  
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 (31) 2023-006101 (32) 18.01.23 (33) JP  
 (43) 25.07.2024  
 (72) KOUSAKA Shuhei; ISHIKAWA Yuuki;  
     MAEDA Ryosuke; HOSHINO Yuta;  
     KURODA Masafumi  
 (74) FB Rice Pty Ltd
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- (71) KOREA ZINC CO., LTD.; KEMCO  
 (11) AU-A-2024339211  
 (21) 2024339211 (22) 14.05.2024  
 (54) METHOD FOR RECOVERY OF NICKEL FROM NICKEL MATTE IN SULFIDE FORM  
 (51) Int. Cl.  
     **C22B 3/06** ( 2006.01 )  
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     **C22B 3/08** ( 2006.01 )  
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     **C22B 23/00** ( 2006.01 )  
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 (43) 12.06.2025  
 (72) CHOI, Heon Sik; PARK, Sung Won;  
     LEE, Je Joong  
 (74) ET Intellectual Property
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 (54) IRAK4 DEGRADERS AND USES THEREOF  
 (51) Int. Cl.  
     **A61K 9/28** ( 2006.01 )  
     **A61K 31/5386** ( 2006.01 )  
     **A61P 29/00** ( 2006.01 )  
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 (74) Spruson & Ferguson
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 (54) SELF-ILLUMINATED FIREARM CHAMBER  
 (51) Int. Cl.  
     **F41A 9/62** ( 2006.01 )  
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 (11) AU-A-2024290604  
 (21) 2024290604 (22) 13.06.2024  
 (54) BATTERY PACK AND ENERGY STORAGE SYSTEM COMPRISING SAME  
 (51) Int. Cl.  
     **H01M 50/211** ( 2021.01 )  
     **H01M 10/63** ( 2014.01 )  
     **H01M 10/6551** ( 2014.01 )  
     **H01M 10/6556** ( 2014.01 )  
     **H01M 50/251** ( 2021.01 )  
     **H01M 50/502** ( 2021.01 )  
 (87) WO2025/009770  
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 (11) AU-A-2023370446  
 (21) 2023370446 (22) 10.05.2023  
 (54) METHODS AND APPARATUSES FOR A CHO WITH CANDIDATE SCGS FOR CPC/CPA PROCEDURE  
 (51) Int. Cl.  
     **H04W 36/00** ( 2009.01 )  
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 (43) 02.05.2024  
 (72) WU, Lianhai; YANG, Shuigen; YAN, Le;  
     ZHANG, Congchi  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) LENOVO (BEIJING) LIMITED  
 (11) AU-A-2023370455  
 (21) 2023370455 (22) 15.05.2023  
 (54) METHODS AND APPARATUSES FOR CSI COMPUTATION AND REPORTING FOR COHERENT JOINT TRANSMISSION  
 (51) Int. Cl.  
     **H04L 5/00** ( 2006.01 )  
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 (72) ZHANG, Yi; ZHU, Chenxi; LING, Wei;  
     LIU, Bingchao; XIAO, Lingling  
 (74) FPA Patent Attorneys Pty Ltd
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 (51) Int. Cl.  
     **H01M 50/211** ( 2021.01 )  
     **H01M 10/63** ( 2014.01 )  
     **H01M 10/6551** ( 2014.01 )  
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 (72) YU, Sang-Hyun  
 (74) FB Rice Pty Ltd
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 (11) AU-A-2023374241  
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 (54) EVOLVED ADENINE DEAMINASES AND RNA-GUIDED NUCLEASE FUSION PROTEINS WITH INTERNAL INSERTION SITES AND METHODS OF USE  
 (51) Int. Cl.  
     **C12N 9/22** ( 2006.01 )  
     **C12N 9/78** ( 2006.01 )  
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 (51) Int. Cl.  
     **C07H 15/26** ( 2006.01 )  
     **A61K 31/706** ( 2006.01 )  
     **A61P 31/00** ( 2006.01 )  
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     **C07K 7/64** ( 2006.01 )  
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     **G10K 11/16** ( 2006.01 )  
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**B63H 25/42** ( 2006.01 )  
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**C08L 89/00** ( 2006.01 )  
**A23L 5/00** ( 2016.01 )  
**A23L 29/275** ( 2016.01 )  
**A61F 13/53** ( 2006.01 )  
**A61K 8/64** ( 2006.01 )  
**A61K 9/06** ( 2006.01 )  
**A61K 47/46** ( 2006.01 )  
**A61L 15/32** ( 2006.01 )  
**A61L 15/60** ( 2006.01 )  
**A61Q 19/00** ( 2006.01 )  
**D01B 7/00** ( 2006.01 )
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 (51) Int. Cl.  
**G21F 7/015** ( 2006.01 )  
**E04B 1/343** ( 2006.01 )  
**F24F 7/06** ( 2006.01 )
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**E04H 3/08** ( 2006.01 )  
**E04B 1/343** ( 2006.01 )  
**G21F 7/00** ( 2006.01 )  
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*E04B 1/343* ( 2006.01 )  
*G09F 13/04* ( 2006.01 )  
*G21F 7/00* ( 2006.01 )  
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*H01M 10/36* ( 2010.01 )  
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*C12N 15/81* ( 2006.01 )  
*C12N 1/19* ( 2006.01 )  
*C12N 9/02* ( 2006.01 )  
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*A61B 5/00* ( 2006.01 )  
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*G16H 50/00* ( 2018.01 )  
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*G16H 20/30* ( 2018.01 )  
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 (54) APPARATUS AND METHOD USING DIFFERENT OPTIMUM MAXIMUM POWER REDUCTION VALUES LINEARLY DEPENDENT ON DIFFERENT BANDWIDTH GROUPS  
 (51) Int. Cl.  
*H04W 52/14* ( 2009.01 )  
*H04W 52/24* ( 2009.01 )  
*H04W 52/36* ( 2009.01 )  
*H04W 52/52* ( 2009.01 )  
*H04W 72/0453* ( 2023.01 )  
 (87) WO2024/094327  
 (31) 63/422,480 (32) 04.11.22 (33) US  
 (43) 10.05.2024  
 (72) NG, Man Hung; LEHTINEN, Vesa Kalervo; VASENKARI, Petri Juhani; SÄYNÄJÄKANGAS, Tuomo Mikael; KOSKELO, Jaakko Kalevi  
 (74) Spruson & Ferguson
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- (71) NORDIC BIOTECH GROUP OY  
 (11) AU-A-2023402401  
 (21) 2023402401 (22) 30.11.2023  
 (54) ANTIMICROBIAL SYNTHETIC TEXTILE AND A METHOD FOR MANUFACTURING THEREOF  
 (51) Int. Cl.  
*D06M 13/192* ( 2006.01 )  
*D06M 13/207* ( 2006.01 )  
*D06M 16/00* ( 2006.01 )  
 (87) WO2024/115816  
 (31) 20226068 (32) 30.11.22 (33) FI  
 (43) 06.06.2024  
 (72) KRIEL, Haydn; TIEAHO, Ville; BORANDEH, Sedigheh; HOLOPAINEN, Kari; SANDÄS, Stefan  
 (74) Griffith Hack
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- (71) NORTHQUIP INC.  
 (11) AU-A-2023223752  
 (21) 2023223752 (22) 24.01.2023  
 (54) PORTABLE LIVESTOCK CORRAL WITH INTEGRATED SQUEEZE CHUTE, FOLDABLE BUD BOX, OFFSET MULTI-AXIS PANEL HINGES, REAR PEN CAPABILITY AND PANEL-SUPPORT SHELVES  
 (51) Int. Cl.  
*A01K 3/00* ( 2006.01 )  
 (87) WO2023/159300  
 (43) 31.08.2023  
 (72) LANGRELL, Stephen Arthur  
 (74) MBIP
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- (71) NUC ELECTRONICS CO., LTD.  
 (11) AU-A-2024266815  
 (21) 2024266815 (22) 11.09.2024  
 (54) JUICE EXTRACTOR  
 (51) Int. Cl.  
*A47J 19/06* ( 2006.01 )  
*A23N 1/02* ( 2006.01 )  
*A47J 19/02* ( 2006.01 )  
*B30B 9/02* ( 2006.01 )  
 (31) 10-2023-0170010 (32) 29.11.23 (33) KR  
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 (43) 12.06.2025  
 (72) KIM, Jong Boo  
 (74) FB Rice Pty Ltd
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- (71) OCADO INNOVATION LIMITED  
 (11) AU-A-2023376827  
 (21) 2023376827 (22) 08.11.2023

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- (54) POWER SOURCE EXCHANGE SYSTEM AND METHOD OF EXCHANGING A POWER SOURCE  
(51) Int. Cl.  
*B60L 50/64* ( 2019.01 )  
*B60L 53/14* ( 2019.01 )  
*B60L 53/30* ( 2019.01 )  
*B60L 53/80* ( 2019.01 )  
*B60S 5/06* ( 2019.01 )  
*B65G 1/00* ( 2006.01 )  
(87) WO2024/100146  
(31) 2216843.9 (32) 11.11.22 (33) GB  
(43) 16.05.2024  
(72) BINGOL, Caner  
(74) James & Wells Intellectual Property
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- (71) OCADO INNOVATION LIMITED  
(11) AU-A-2023377354  
(21) 2023377354 (22) 10.11.2023  
(54) A GRID FRAMEWORK STRUCTURE  
(51) Int. Cl.  
*B65G 1/02* ( 2006.01 )  
*B65G 1/04* ( 2006.01 )  
*E01B 11/00* ( 2006.01 )  
*E01B 23/02* ( 2006.01 )  
*E01B 26/00* ( 2006.01 )  
(87) WO2024/100295  
(31) 2216903.1 (32) 11.11.22 (33) GB  
2300562.2 13.01.23 GB  
(43) 16.05.2024  
(72) PARKS, Ian; MCLARNEY, Nicholas  
(74) James & Wells Intellectual Property
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- (71) OCADO INNOVATION LIMITED  
(11) AU-A-2023377358  
(21) 2023377358 (22) 10.11.2023  
(54) TRACK ASSEMBLY FOR A STORAGE AND RETRIEVAL SYSTEM  
(51) Int. Cl.  
*B65G 1/04* ( 2006.01 )  
(87) WO2024/100299  
(31) 2216881.9 (32) 11.11.22 (33) GB  
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(43) 16.05.2024  
(72) PARKS, Ian; MCLARNEY, Nicholas  
(74) James & Wells Intellectual Property
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- (71) OHALO GENETICS, INC.  
(11) AU-A-2023375458  
(21) 2023375458 (22) 08.11.2023  
(54) POLYPLOID HYBRID BREEDING  
(51) Int. Cl.  
*A01H 1/00* ( 2006.01 )  
*A01H 1/08* ( 2006.01 )  
*C07K 14/415* ( 2006.01 )  
*C12N 15/79* ( 2006.01 )  
*C12N 15/82* ( 2006.01 )  
*A01H 4/00* ( 2006.01 )  
*A01H 5/00* ( 2018.01 )  
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(74) FB Rice Pty Ltd
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- (71) OLEMA PHARMACEUTICALS, INC.  
(11) AU-A-2023390702  
(21) 2023390702 (22) 08.12.2023  
(54) DOSAGE FORMS OF AN ESTROGEN RECEPTOR ANTAGONIST  
(51) Int. Cl.  
*A61K 9/20* ( 2006.01 )  
*A61K 31/437* ( 2006.01 )  
*A61K 45/06* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
(87) WO2024/124182  
(31) 63/431,515 (32) 09.12.22 (33) US  
(43) 13.06.2024  
(72) GULLAPALLI, Rampurna Prasad; MYLES, David, C.; ZHANG, Jing Jim; EMORY, Stephanie, Marie, Noe; BABAR, Digvijay; LI, Yongqiang  
(74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd
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- (71) OMNI UNITED (S) PTE LTD.  
(11) AU-A-2024345694  
(21) 2024345694 (22) 18.09.2024  
(54) TIRE TREAD DEPTH INDICATOR AND METHOD OF MAKING AND USING  
(51) Int. Cl.  
*B60C 11/24* ( 2006.01 )  
*B29D 30/06* ( 2006.01 )  
*B60C 11/03* ( 2006.01 )  
(87) WO2025/063889  
(31) 63/539,763 (32) 21.09.23 (33) US  
(43) 27.03.2025  
(72) SAREEN, Gajendra Singh  
(74) JMSD IP Pty Ltd
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- (71) ON CLOUDS GMBH  
(11) AU-A-2023413578  
(21) 2023413578 (22) 19.12.2023  
(54) METHOD FOR PRODUCING A SHOE COMPONENT AND SHOE COMPONENT  
(51) Int. Cl.  
*A43B 1/04* ( 2022.01 )  
*A43B 9/20* ( 2006.01 )  
*A43B 23/02* ( 2006.01 )  
*B33Y 30/00* ( 2015.01 )  
*B33Y 80/00* ( 2015.01 )  
(87) WO2024/133187  
(31) CH001516/2022 (32) 19.12.22 (33) CH  
CH000930/2023 31.08.23 CH  
(43) 27.06.2024  
(72) VOELCHERT, Johannes; RÜEGG, Martin; BELL, Thomas  
(74) Madderns Pty Ltd
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- (71) ORNA THERAPEUTICS, INC.  
(11) AU-A-2023375897  
(21) 2023375897 (22) 07.11.2023  
(54) CIRCULAR RNA COMPOSITIONS  
(51) Int. Cl.  
*A61K 48/00* ( 2006.01 )  
*C12N 15/85* ( 2006.01 )  
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(43) 16.05.2024  
(72) BECKER, Amy M.; WESSELHOEFT, IV, Robert Alexander; EMMANUEL, Akinola O.; DUTTA-SIMMONS, Jui; HORHOTA, Allen T.; KAUFFMAN, Kevin J.; CHAU, Bun; LEE, Thomas  
(74) Spruson & Ferguson
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- (71) PAIRWISE PLANTS SERVICES, INC.  
(11) AU-A-2023413056  
(21) 2023413056 (22) 21.12.2023  
(54) ENGINEERED PROTEINS AND METHODS OF USE THEREOF  
(51) Int. Cl.  
*C12N 9/12* ( 2006.01 )  
*C12N 15/90* ( 2006.01 )  
(87) WO2024/137911  
(31) 63/476,393 (32) 21.12.22 (33) US  
(43) 27.06.2024  
(72) WATTS, Joseph Matthew; SCHWARK, David Gerhard  
(74) RnB IP
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- (71) PARITY QUANTUM COMPUTING GMBH  
(11) AU-A-2023421250  
(21) 2023421250 (22) 31.03.2023  
(54) QUANTUM ALGORITHMS OF LOGICAL QUBITS IN A QUANTUM SYSTEM WITH PHYSICAL QUBITS ALLOWING ERROR CORRECTION AND INCREASED INTERQUBIT-CONNECTIVITY  
(51) Int. Cl.  
*G06N 10/20* ( 2022.01 )  
*G06N 10/70* ( 2022.01 )  
*G06N 10/40* ( 2022.01 )  
*G06N 10/60* ( 2022.01 )  
(87) WO2024/146701  
(31) 18/094,065 (32) 06.01.23 (33) US  
(43) 11.07.2024  
(72) FELLNER, Michael; MESSINGER, Anette; ENDER, Kilian; LECHNER, Wolfgang  
(74) Oxygene IP
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- (71) PATHOTRAK INC.  
(11) AU-A-2023406245  
(21) 2023406245 (22) 30.11.2023  
(54) SYSTEM, DEVICES, AND METHODS FOR FOOD SAMPLE PROCESSING FOR PATHOGEN DETECTION  
(51) Int. Cl.  
*C12Q 1/04* ( 2006.01 )  
*B65D 75/58* ( 2006.01 )  
*C12M 1/26* ( 2006.01 )  
*G01N 33/487* ( 2006.01 )  
*G01N 33/569* ( 2006.01 )  
(87) WO2024/118996  
(31) 63/429,098 (32) 30.11.22 (33) US  
63/431,986 12.12.22 US  
(43) 06.06.2024  
(72) ATENCIA-FERNANDEZ, Francisco Javier; REGGIA, Ethan  
(74) Allens Patent & Trade Mark Attorneys

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<p>(71) PAUL HARTMANN AG (11) AU-A-2023411101 (21) 2023411101 (22) 18.12.2023 (54) ABSORBENT INCONTINENCE ARTICLE IN THE FORM OF BRIEFS (51) Int. Cl. A61F 13/514 ( 2006.01 ) A61F 13/496 ( 2006.01 ) (87) WO2024/133005 (31) 10 2022 134 647.1 (32) 22.12.22 (33) DE (43) 27.06.2024 (72) CIFRIC, Nedzad; KAUTZSCH, Florian; EILERS, Jörg; BUCH, Tamara (74) FPA Patent Attorneys Pty Ltd</p>	<p>FU, Xiaodong; LUO, Xianying; PAN, Liyin (74) Griffith Hack</p>	<p>(71) PICOENTECH CO., LTD. (11) AU-A-2023402119 (21) 2023402119 (22) 25.11.2023 (54) FOOD AND PHARMACEUTICAL COMPOSITION FOR TREATMENT OF FATTY LIVER AND INFLAMMATION BY RELIEVING ENDOPLASMIC RETICULUM STRESS (51) Int. Cl. A61K 36/064 ( 2006.01 ) A23L 33/14 ( 2016.01 ) A61P 1/16 ( 2006.01 ) (87) WO2024/117697 (31) 10-2022-0165785 (32) 01.12.22 (33) KR 10-2023-0152965 07.11.23 KR (43) 06.06.2024 (72) KWON, Hung Taeck (74) Collison &amp; Co</p>
<p>(71) PEKING UNIVERSITY; BEIJING TRANSCEND VIVOSCOPE BIO-TECHNOLOGY CO., LTD. (11) AU-A-2023371986 (21) 2023371986 (22) 21.12.2023 (54) LASER ADAPTER, MULTIPHOTON MICROSCOPE MAIN UNIT AND OPTICAL SYSTEM (51) Int. Cl. G02B 21/06 ( 2006.01 ) G02B 6/42 ( 2006.01 ) (87) WO2024/094229 (31) 202211364119.8 (32) 02.11.22 (33) CN 202211364197.8 02.11.22 CN 202211364226.0 02.11.22 CN (43) 10.05.2024 (72) WU, Runlong; TIAN, Jingquan; YUN, Ziyang; HU, Yanhui; WANG, Aimin; CHENG, Heping (74) Madderns Pty Ltd</p>	<p>(71) PFIZER INC. (11) AU-A-2023403045 (21) 2023403045 (22) 29.11.2023 (54) PNEUMOCOCCAL CONJUGATE VACCINE FORMULATIONS (51) Int. Cl. A61K 9/08 ( 2006.01 ) A61K 39/09 ( 2006.01 ) A61K 47/02 ( 2006.01 ) A61K 47/28 ( 2006.01 ) A61K 47/64 ( 2017.01 ) (87) WO2024/116096 (31) 63/385,686 (32) 01.12.22 (33) US 63/582,342 13.09.23 US 63/599,765 16.11.23 US (43) 06.06.2024 (72) DIOP, Awa; DIXON, Daniel Abbas; EFFEREN, KariAnn Sweeney; GALA, Rikhav Praful; KRASEVEC, Anna; KRYLOVA, Ksenia; LANGFORD, Alex Jacob; NGUYEN, Temmy Minh; PALATH, Naveen; PHELAN, Lynn Marie; SHI, Shuai; WEISKOPF, Nathan David; YANG, Cindy Xudong; ZELLER, Sandra Irene (74) Allens Patent &amp; Trade Mark Attorneys</p>	<p>(71) PICOENTECH CO., LTD. (11) AU-A-2023402120 (21) 2023402120 (22) 25.11.2023 (54) FOOD AND PHARMACEUTICAL COMPOSITION FOR DETOXIFYING ENDOGENOUS ALDEHYDES (51) Int. Cl. C12N 9/02 ( 2006.01 ) C12N 1/18 ( 2006.01 ) C12R 1/865 ( 2006.01 ) (87) WO2024/117698 (31) 10-2022-0165794 (32) 01.12.22 (33) KR 10-2023-0153007 07.11.23 KR (43) 06.06.2024 (72) KWON, Hung Taeck (74) Collison &amp; Co</p>
<p>(71) PERMOBIL AB (11) AU-A-2023401006 (21) 2023401006 (22) 30.11.2023 (54) CONFIGURATION DEVICE FOR CONFIGURING A POWER WHEELCHAIR (51) Int. Cl. A61G 5/04 ( 2013.01 ) A61G 5/10 ( 2006.01 ) G06F 3/048 ( 2013.01 ) (87) WO2024/115654 (31) 22210621.3 (32) 30.11.22 (33) EP (43) 06.06.2024 (72) FORSLUND, Magnus (74) AJ PARK</p>	<p>(71) PGA TOUR, INC. (11) AU-A-2023400140 (21) 2023400140 (22) 28.11.2023 (54) SYSTEM AND METHOD FOR ESTIMATING FINAL RESTING POSITION OF GOLF BALLS (51) Int. Cl. A63B 24/00 ( 2006.01 ) A63B 69/36 ( 2006.01 ) A63B 71/06 ( 2006.01 ) G09B 19/00 ( 2006.01 ) G06N 20/00 ( 2019.01 ) (87) WO2024/118595 (31) 18/238,234 (32) 25.08.23 (33) US 63/428,309 28.11.22 US (43) 06.06.2024 (72) LOVELL, Walter, Kenneth; CRAVEN, Jeremy; GREDENHAG, Jonas, Henrik; WALKER, Barry (74) Collison &amp; Co</p>	<p>(71) PICOENTECH CO., LTD. (11) AU-A-2023402122 (21) 2023402122 (22) 25.11.2023 (54) NOVEL ALDEHYDE DEHYDROGENASE FOOD AND DRUG COMPOSITION FOR IMPROVING BEHAVIOR AND MOTOR FUNCTION (51) Int. Cl. A23L 33/13 ( 2016.01 ) A23L 29/00 ( 2016.01 ) C12N 1/18 ( 2006.01 ) C12N 9/02 ( 2006.01 ) C12N 15/01 ( 2006.01 ) C12R 1/865 ( 2006.01 ) (87) WO2024/117699 (31) 10-2022-0165810 (32) 01.12.22 (33) KR 10-2023-0153047 07.11.23 KR (43) 06.06.2024 (72) KWON, Hung Taeck (74) Collison &amp; Co</p>
<p>(71) PETROCHINA COMPANY LIMITED (11) AU-A-2023472189 (21) 2023472189 (22) 25.12.2023 (54) DOLOMITE STANDARD SAMPLE DEVELOPMENT METHOD CALIBRATED BY AGE METHOD, DOLOMITE STANDARD SAMPLE, AND USE THEREOF (51) Int. Cl. G01N 27/626 ( 2021.01 ) (87) WO2025/097570 (31) 202311473484.7 (32) 07.11.23 (33) CN (43) 15.05.2025 (72) QIAO, Zhanfeng; ZHENG, Jianfeng; LIANG, Feng; HU, Anping; HE, Xunyun;</p>	<p>(71) PHOTONIC INC. (11) AU-A-2023394105 (21) 2023394105 (22) 05.12.2023 (54) METHODS FOR MAKING SOLID STATE DEVICES HAVING SPIN-PHOTON INTERFACES (51) Int. Cl. G06N 10/40 ( 2022.01 ) B82Y 20/00 ( 2011.01 ) G02B 6/13 ( 2006.01 ) (87) WO2024/124327 (31) 63/387,534 (32) 15.12.22 (33) US (43) 20.06.2024 (72) KESHAVARZ AKHLAGHI, Mohsen; JAHED, Navid Mohammad Sadeghi (74) Halfords IP</p>	<p>(71) PICOENTECH CO., LTD. (11) AU-A-2023402123 (21) 2023402123 (22) 25.11.2023 (54) FOOD AND PHARMACEUTICAL COMPOSITION CONTAINING NOVEL ALDEHYDE DEHYDROGENASE FOR IMPROVING MEMORY AND COGNITIVE FUNCTION (51) Int. Cl.</p>

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**A23L 29/00** ( 2016.01 )  
**C12N 1/18** ( 2006.01 )  
**C12N 9/02** ( 2006.01 )  
*C12R 1/865* ( 2006.01 )  
**(87)** WO2024/117700  
**(31)** 10-2022-0165816 **(32)** 01.12.22 **(33)** KR  
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**(43)** 06.06.2024  
**(72)** KWON, Hung Taeck  
**(74)** Collison & Co
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- (71)** PICOENTECH CO., LTD.  
**(11)** AU-A-2023402124  
**(21)** 2023402124 **(22)** 25.11.2023  
**(54)** FOOD AND DRUG COMPOSITION CONTAINING NOVEL ALDEHYDE DEHYDROGENASE FOR SUPPRESSING TREMOR OR MOVEMENT DISORDER  
**(51)** Int. Cl.  
**C12N 9/02** ( 2006.01 )  
**C12N 1/18** ( 2006.01 )  
*C12R 1/865* ( 2006.01 )  
**(87)** WO2024/117701  
**(31)** 10-2022-0165794 **(32)** 01.12.22 **(33)** KR  
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**(72)** KWON, Hung Taeck  
**(74)** Collison & Co
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- (71)** PINATA HOLDINGS INC.  
**(11)** AU-A-2023400620  
**(21)** 2023400620 **(22)** 30.11.2023  
**(54)** INHALABLE HORMONE RECEPTOR AGONIST FORMULATIONS  
**(51)** Int. Cl.  
**A61K 31/56** ( 2006.01 )  
**A61K 9/14** ( 2006.01 )  
**A61K 31/57** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**(87)** WO2024/118889  
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**(43)** 06.06.2024  
**(72)** OGBURN, Michael; PRICE, Christopher  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** PIPESNAKE AS  
**(11)** AU-A-2023376674  
**(21)** 2023376674 **(22)** 08.11.2023  
**(54)** A TRACTOR FOR PROPELLING AN APPARATUS INSIDE A CYLINDRICAL BODY  
**(51)** Int. Cl.  
**F16L 55/30** ( 2006.01 )  
**(87)** WO2024/100083  
**(31)** 20221204 **(32)** 09.11.22 **(33)** NO  
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**(43)** 16.05.2024  
**(72)** LANGETEIG, Bjarne  
**(74)** GLMR
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- (71)** PIPESNAKE AS  
**(11)** AU-A-2023376676  
**(21)** 2023376676 **(22)** 08.11.2023
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- (54)** A TRACTOR FOR PROPELLING AN APPARATUS INSIDE A CYLINDRICAL BODY  
**(51)** Int. Cl.  
**F16L 55/30** ( 2006.01 )  
**(87)** WO2024/100085  
**(31)** 20221204 **(32)** 09.11.22 **(33)** NO  
 20221225 15.11.22 NO  
**(43)** 16.05.2024  
**(72)** SOLVIG, Tomas  
**(74)** GLMR
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- (71)** PIVOT BIO, INC.  
**(11)** AU-A-2023407654  
**(21)** 2023407654 **(22)** 11.12.2023  
**(54)** COMBINATION OF VARIOUS NITROGEN FIXING BACTERIA WITH VARIOUS BIOLOGICAL PRODUCTS TO ACHIEVE SYNERGISTIC EFFECTS  
**(51)** Int. Cl.  
**A01N 63/20** ( 2020.01 )  
**C12N 1/20** ( 2006.01 )  
**C12N 15/52** ( 2006.01 )  
**C12R 1/01** ( 2006.01 )  
**C12R 1/22** ( 2006.01 )  
**(87)** WO2024/137259  
**(31)** 63/435,193 **(32)** 23.12.22 **(33)** US  
**(43)** 27.06.2024  
**(72)** KIMMELSHUE, Chad; JONES, Trevor; O'BRYAN, Keith; POSTON, Daniel; HENKHAUS, John; SANDERS, Ernest; TAMSIR, Alvin  
**(74)** Spruson & Ferguson
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- (71)** PLANTED FOODS AG  
**(11)** AU-A-2024236423  
**(21)** 2024236423 **(22)** 08.03.2024  
**(54)** METHOD OF MAKING A FOOD PRODUCT USING MICROBIAL GROWTH AND PRODUCTS THEREOF  
**(51)** Int. Cl.  
**A23J 3/20** ( 2006.01 )  
**A23J 3/22** ( 2006.01 )  
**A23L 33/195** ( 2016.01 )  
**(87)** WO2024/188894  
**(31)** 23161153.4 **(32)** 10.03.23 **(33)** EP  
**(43)** 19.09.2024  
**(72)** KOFMEL, Colin; AZARIO, Ondino; GANDIA, Antoni; KASPAR, Pirmin  
**(74)** GLMR
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- (71)** PLUMATECH  
**(11)** AU-A-2023385062  
**(21)** 2023385062 **(22)** 22.11.2023  
**(54)** FINGER HOLDER FOR A POULTRY DEFEATHERING MACHINE  
**(51)** Int. Cl.  
**A22C 21/02** ( 2006.01 )  
**(87)** WO2024/110511  
**(31)** FR2212295 **(32)** 24.11.22 **(33)** FR  
**(43)** 30.05.2024  
**(72)** LE MEAUX, Franck  
**(74)** Spruson & Ferguson
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- (71)** POLYTECH A/S  
**(11)** AU-A-2023404987
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- (21)** 2023404987 **(22)** 22.09.2023  
**(54)** FLAT PACK BUOYANCY MODULE  
**(51)** Int. Cl.  
**E21B 17/01** ( 2006.01 )  
**E21B 17/10** ( 2006.01 )  
**E21B 41/00** ( 2006.01 )  
**F16L 1/24** ( 2006.01 )  
**(87)** WO2024/114971  
**(31)** 22210468.9 **(32)** 30.11.22 **(33)** EP  
**(43)** 06.06.2024  
**(72)** RAVNKILDE, Lean  
**(74)** Griffith Hack
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- (71)** PPG ADVANCED SURFACE TECHNOLOGIES, LLC.  
**(11)** AU-A-2023390129  
**(21)** 2023390129 **(22)** 07.12.2023  
**(54)** LAMINATES COMPRISING LIGHT-BLOCKING SUBSTRATES  
**(51)** Int. Cl.  
**B32B 27/20** ( 2006.01 )  
**B32B 27/08** ( 2006.01 )  
**B32B 27/28** ( 2006.01 )  
**B32B 27/30** ( 2006.01 )  
**B32B 27/32** ( 2006.01 )  
**B32B 27/34** ( 2006.01 )  
**B32B 27/36** ( 2006.01 )  
**B32B 27/38** ( 2006.01 )  
**B32B 27/40** ( 2006.01 )  
**(87)** WO2024/123964  
**(31)** 63/386,398 **(32)** 07.12.22 **(33)** US  
**(43)** 13.06.2024  
**(72)** WARTA, Helge  
**(74)** Minter Ellison
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- (71)** PREMIER SPECIALTY BRANDS, LLC  
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**(21)** 2023403355 **(22)** 29.11.2023  
**(54)** SYSTEMS AND METHOD FOR PROVIDING AUTOMATIC IGNITION OF A FUEL SOURCE WITHIN A GRILL  
**(51)** Int. Cl.  
**A47J 36/32** ( 2006.01 )  
**A47J 37/07** ( 2006.01 )  
**(87)** WO2024/118732  
**(31)** 63/428,870 **(32)** 30.11.22 **(33)** US  
 18/521,398 28.11.23 US  
**(43)** 06.06.2024  
**(72)** MERCER, Daniel; VAN GELDERAN, Will; HARDY, Anthony  
**(74)** Griffith Hack
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- (71)** PREMIER SPECIALTY BRANDS, LLC  
**(11)** AU-A-2023403362  
**(21)** 2023403362 **(22)** 29.11.2023  
**(54)** HEATING MANIFOLD FOR GRILL  
**(51)** Int. Cl.  
**A47J 37/07** ( 2006.01 )  
**(87)** WO2024/118737  
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**(72)** MERCER, Daniel  
**(74)** Griffith Hack

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- (71) PRIME GENE THERAPEUTICS CO., LTD.  
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 (21) 2023378440 (22) 09.11.2023  
 (54) NITROGEN-CONTAINING SPIROCYCLIC COMPOUND, PHARMACEUTICAL COMPOSITION AND USE THEREOF  
 (51) Int. Cl.  
 C07D 401/06 ( 2006.01 )  
 A61K 31/499 ( 2006.01 )  
 A61K 31/519 ( 2006.01 )  
 A61P 17/00 ( 2006.01 )  
 A61P 29/00 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 C07D 209/96 ( 2006.01 )  
 C07D 221/20 ( 2006.01 )  
 C07D 471/10 ( 2006.01 )  
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 (43) 16.05.2024  
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 (74) Madderns Pty Ltd
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- (71) PRINCIPIA BIOPHARMA INC.  
 (11) AU-A-2023372400  
 (21) 2023372400 (22) 30.10.2023  
 (54) METHODS FOR TREATING IMMUNE THROMBOCYTOPENIA BY ADMINISTERING (R)-2-[3-[4-AMINO-3-(2-FLUORO-4-PHENOXYPHENYL)PYRAZOLO[3,4-D]PYRIMIDIN-L-YL]PIPERIDINE-L-CARBONYL]-4-METHYL-4-[4-(OXETAN-3-YL)PIPERAZIN-L-YL]PENT-2-ENENITRILE  
 (51) Int. Cl.  
 A61K 31/519 ( 2006.01 )  
 A61P 7/00 ( 2006.01 )  
 (87) WO2024/097667  
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 (72) DAAK, Ahmed; KHAN, Umer  
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 (54) TARGETING SORTILIN  
 (51) Int. Cl.  
 A61K 38/10 ( 2006.01 )  
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 A61K 47/50 ( 2017.01 )  
 A61P 35/00 ( 2006.01 )  
 (87) WO2024/123896  
 (31) 63/430,643 (32) 06.12.22 (33) US  
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 (74) Griffith Hack
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- (71) PROTON SYSTEMS PTY LIMITED  
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- (54) CATHODE FOR PROTON BATTERIES AND METHOD OF MANUFACTURE  
 (51) Int. Cl.  
 H01M 4/58 ( 2010.01 )  
 C01C 3/12 ( 2006.01 )  
 H01M 4/04 ( 2006.01 )  
 H01M 4/136 ( 2010.01 )  
 H01M 4/36 ( 2006.01 )  
 H01M 8/0228 ( 2016.01 )  
 H01M 10/058 ( 2010.01 )  
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 (51) Int. Cl.  
 F25D 29/00 ( 2006.01 )  
 F25D 17/02 ( 2006.01 )  
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 (74) Spruson & Ferguson
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 (51) Int. Cl.  
 H04N 19/523 ( 2014.01 )  
 H04N 19/593 ( 2014.01 )  
 H04N 19/70 ( 2014.01 )  
 H04N 19/82 ( 2014.01 )  
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 C12N 15/11 ( 2006.01 )  
 C12Q 1/6876 ( 2018.01 )  
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 (72) NISHIZUKA Satoshi; HIRAKI Hayato  
 (74) RnB IP Pty Ltd
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- (71) R.P. SCHERER TECHNOLOGIES, LLC  
 (11) AU-A-2023397554  
 (21) 2023397554 (22) 13.12.2023  
 (54) SOFTGEL CAPSULES AND A METHOD FOR PREPARING THE SOFTGEL CAPSULES  
 (51) Int. Cl.  
 A61K 9/28 ( 2006.01 )  
 A61J 3/00 ( 2006.01 )  
 A61K 9/48 ( 2006.01 )  
 A61K 33/06 ( 2006.01 )  
 C01F 11/24 ( 2006.01 )  
 (87) WO2024/129811  
 (31) 63/432,445 (32) 14.12.22 (33) US  
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 (54) LONG-RANGE RECONNAISSANCE POD  
 (51) Int. Cl.  
 B64D 47/08 ( 2006.01 )  
 B64C 1/14 ( 2006.01 )  
 G03B 15/00 ( 2021.01 )  
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 (11) AU-A-2023396645  
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 (54) SPLASHGUARD AND CASSETTE ASSEMBLY FOR STERILITY TESTING  
 (51) Int. Cl.  
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 (11) AU-A-2023397558  
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 (54) TUBE SET WITH DUAL PRESSURE REGULATING VALVE  
 (51) Int. Cl.  
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 (31) 63/387,172 (32) 13.12.22 (33) US  
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 (72) MORAD, Blair; FRANCO, Ethan  
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- (71) RAZER (ASIA-PACIFIC) PTE. LTD.  
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(51) Int. Cl.  
*G06F 1/20* ( 2006.01 )  
*H05K 7/20* ( 2006.01 )
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(43) 25.07.2024  
(72) CHENG, ChengYu; WANG, FuMei; HUNG, YiHsiang  
(74) FB Rice Pty Ltd
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(11) AU-A-2023402587  
(21) 2023402587 (22) 28.11.2023  
(54) COMPOUNDS  
(51) Int. Cl.  
*C07D 471/10* ( 2006.01 )  
*A61K 31/5025* ( 2006.01 )  
*A61K 31/55* ( 2006.01 )  
*A61K 31/551* ( 2006.01 )  
*A61K 31/553* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 487/04* ( 2006.01 )  
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- (87) WO2024/115890  
(31) 2217844.6 (32) 28.11.22 (33) GB  
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(74) WRAYS PTY LTD
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- (71) REGENERON PHARMACEUTICALS, INC.  
(11) AU-A-2023372824  
(21) 2023372824 (22) 01.11.2023  
(54) METHODS FOR TREATING HAND AND FOOT DERMATITIS BY ADMINISTERING AN IL-4R ANTAGONIST  
(51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*A61P 17/04* ( 2006.01 )
- (87) WO2024/097714  
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63/489,377 09.03.23 US  
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- (71) REGENERON PHARMACEUTICALS, INC.  
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(21) 2023406927 (22) 01.12.2023  
(54) ADENO-ASSOCIATED VIRAL VECTORS FOR PROPER PACKAGING OF REPETITIVE ELEMENTS  
(51) Int. Cl.  
*C12N 15/86* ( 2006.01 )  
*A61K 48/00* ( 2006.01 )  
*C07K 14/005* ( 2006.01 )
- (87) WO2024/119102  
(31) 63/385,759 (32) 01.12.22 (33) US  
(43) 06.06.2024  
(72) NACHTRAB, Gregory Thomas; REID, Bret D.; BATRA, Ranjan; LARDELLI MARKMILLER, Rea; ADAMS, Rachel A.  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) RHEINMETALL WAFFE MUNITION GMBH  
(11) AU-A-2023389393  
(21) 2023389393 (22) 08.11.2023  
(54) LASER BEAM DEVICE AND METHOD FOR PRODUCING COHERENCE  
(51) Int. Cl.  
*H01S 3/13* ( 2006.01 )  
*F41H 13/00* ( 2006.01 )  
*H01S 3/10* ( 2006.01 )  
*H01S 3/23* ( 2006.01 )  
*H01S 3/00* ( 2006.01 )
- (87) WO2024/120726  
(31) 10 2022 132 521.0 (32) 07.12.22 (33) DE  
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(72) JUNG, Markus; NEUMANN, Benjamin  
(74) Integrated IP
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- (71) RIO TINTO IRON & TITANIUM CANADA INC.  
(11) AU-A-2023407133  
(21) 2023407133 (22) 21.12.2023  
(54) CONICAL-BOTTOMED FLUIDIZED BED REACTOR FOR IRON METALLIZATION USING HOT HYDROGEN  
(51) Int. Cl.  
*C21B 13/00* ( 2006.01 )  
*B01J 8/18* ( 2006.01 )  
*F27B 15/10* ( 2006.01 )  
*C22B 5/14* ( 2006.01 )
- (87) WO2024/130426  
(31) 63/476,467 (32) 21.12.22 (33) US  
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(74) Adams Pluck
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- (71) SAINT-GOBAIN ISOVER  
(11) AU-A-2023410565  
(21) 2023410565 (22) 19.12.2023  
(54) METHOD FOR PREPARING A THERMOSETTING BINDER COMPOSITION BASED ON WATER-SOLUBLE OR WATER-DISPERSIBLE LIGNIN ESTER, FOR BINDING FIBRES  
(51) Int. Cl.  
*C08H 7/00* ( 2011.01 )  
*C08G 18/64* ( 2006.01 )  
*C09J 175/04* ( 2006.01 )  
*C09J 197/00* ( 2006.01 )
- (87) WO2024/134092  
(31) FR2213857 (32) 19.12.22 (33) FR  
(43) 27.06.2024  
(72) SOISSON, Arnaud  
(74) Griffith Hack
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- (71) SAMUELSON, J.  
(11) AU-A-2024227746  
(21) 2024227746 (22) 13.09.2024  
(54) NURSING COVER WITH INTEGRATED COOLING FAN  
(51) Int. Cl.  
*A41D 15/04* ( 2006.01 )
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- A41D 1/215* ( 2018.01 )  
*F04D 25/06* ( 2006.01 )  
*F04D 25/08* ( 2006.01 )
- (31) 18/519,293 (32) 27.11.23 (33) US  
(43) 12.06.2025  
(72) SAMUELSON, Jacqueline  
(74) Griffith Hack
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- (71) SEAWOLF THERAPEUTICS, INC.  
(11) AU-A-2023366935  
(21) 2023366935 (22) 25.10.2023  
(54) NUCLEAR TARGETED DNA DELIVERY AND COMPOSITIONS FOR USE IN PRACTICING THE SAME  
(51) Int. Cl.  
*C12N 15/85* ( 2006.01 )  
*A61K 31/7105* ( 2006.01 )  
*A61K 31/711* ( 2006.01 )  
*A61K 47/69* ( 2017.01 )  
*A61K 48/00* ( 2006.01 )
- (87) WO2024/091578  
(31) 63/419,890 (32) 27.10.22 (33) US  
63/430,950 07.12.22 US  
63/454,505 24.03.23 US  
(43) 02.05.2024  
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(74) Spruson & Ferguson
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- (71) SEKISUI HOUSE, LTD.  
(11) AU-A-2023402567  
(21) 2023402567 (22) 23.08.2023  
(54) CLADDING COORDINATION TOOL AND METHOD FOR SELECTING COLOR OF CLADDING  
(51) Int. Cl.  
*G06F 30/13* ( 2020.01 )
- (87) WO2024/116489  
(31) 2022-193664 (32) 02.12.22 (33) JP  
(43) 06.06.2024  
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(74) JMSD IP Pty Ltd
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- (71) SENSOLYZER ADVANCED SENSING SYSTEMS LTD  
(11) AU-A-2024361201  
(21) 2024361201 (22) 07.11.2024  
(54) PROACTIVE AI-DRIVEN CONCRETE-PRODUCTION SYSTEM  
(51) Int. Cl.  
*B28C 7/02* ( 2006.01 )  
*B28C 5/42* ( 2006.01 )  
*G05B 13/02* ( 2006.01 )
- (31) 102023000024573 (32) 20.11.23 (33) IT  
(43) 12.06.2025  
(72) KNOP, Yaniv  
(74) Forte Intellectual Property Pty Ltd
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- (71) SENSONIC GMBH  
(11) AU-A-2023410991  
(21) 2023410991 (22) 15.12.2023



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 (51) Int. Cl.  
*E03D 1/32* ( 2006.01 )  
*F16K 31/18* ( 2006.01 )  
 (87) WO2024/094509  
 (31) 22/11497 (32) 04.11.22 (33) FR  
 (43) 10.05.2024  
 (72) MARNAS, Stéphane; PLAS, Olivier  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) SICPA HOLDING SA  
 (11) AU-A-2023374712  
 (21) 2023374712 (22) 03.11.2023  
 (54) RYLENE-BASED UV CURABLE SECURITY INK COMPOSITIONS  
 (51) Int. Cl.  
*C09D 11/101* ( 2014.01 )  
*B41M 3/14* ( 2006.01 )  
*C09D 11/03* ( 2014.01 )  
*C09D 11/38* ( 2014.01 )  
*C09D 11/50* ( 2014.01 )  
 (87) WO2024/094829  
 (31) 22205394.4 (32) 03.11.22 (33) EP  
 (43) 10.05.2024  
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 (74) Spruson & Ferguson
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- (71) SIEMENS ENERGY GLOBAL GMBH & CO. KG  
 (11) AU-A-2023397261  
 (21) 2023397261 (22) 31.10.2023  
 (54) ELECTROLYSIS SYSTEM COMPRISING A PRESSURE ELECTROLYZER, AND METHOD FOR OPERATING AN ELECTROLYSIS SYSTEM OF THIS TYPE  
 (51) Int. Cl.  
*C25B 1/04* ( 2021.01 )  
*C25B 9/05* ( 2021.01 )  
*C25B 9/19* ( 2021.01 )  
*C25B 9/73* ( 2021.01 )  
*C25B 15/02* ( 2021.01 )  
*C25B 15/08* ( 2006.01 )  
 (87) WO2024/125882  
 (31) 10 2022 213 507.5 (32) 13.12.22 (33) DE  
 (43) 20.06.2024  
 (72) RELLER, Christian; WOLF, Erik  
 (74) Spruson & Ferguson
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- (71) SIEMENS GAMESA RENEWABLE ENERGY A/S  
 (11) AU-A-2023420515  
 (21) 2023420515 (22) 29.11.2023  
 (54) METHOD FOR CONTROLLING A POWER INPUT OF A HYDROGEN PRODUCTION DEVICE OF A RENEWABLE HYDROGEN POWER PLANT, COMPUTER PROGRAM PRODUCT AND RENEWABLE HYDROGEN POWER PLANT  
 (51) Int. Cl.  
*H02J 3/00* ( 2006.01 )  
*H02J 3/32* ( 2006.01 )  
*H02J 3/38* ( 2006.01 )  
*H02J 9/06* ( 2006.01 )
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- (71) SIEMENS MOBILITY GMBH  
 (11) AU-A-2023403725  
 (21) 2023403725 (22) 21.11.2023  
 (54) GRIT SYSTEM FOR A RAIL VEHICLE  
 (51) Int. Cl.  
*B61C 15/10* ( 2006.01 )  
 (87) WO2024/115202  
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 (72) BAUMANN, Christoph; BÖGE, Ronny; LICHTENEGGER, Marian; MAURER, Michel; STELZLE, Wilfried  
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 (11) AU-A-2023405424  
 (21) 2023405424 (22) 15.11.2023  
 (54) GRIT SYSTEM FOR A RAIL VEHICLE  
 (51) Int. Cl.  
*B61C 15/10* ( 2006.01 )  
 (87) WO2024/115115  
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 (74) Spruson & Ferguson
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- (71) SIEMENS ENERGY GLOBAL GMBH & CO. KG  
 (11) AU-A-2023397261  
 (21) 2023397261 (22) 31.10.2023  
 (54) ELECTROLYSIS SYSTEM COMPRISING A PRESSURE ELECTROLYZER, AND METHOD FOR OPERATING AN ELECTROLYSIS SYSTEM OF THIS TYPE  
 (51) Int. Cl.  
*C25B 1/04* ( 2021.01 )  
*C25B 9/05* ( 2021.01 )  
*C25B 9/19* ( 2021.01 )  
*C25B 9/73* ( 2021.01 )  
*C25B 15/02* ( 2021.01 )  
*C25B 15/08* ( 2006.01 )  
 (87) WO2024/125882  
 (31) 10 2022 213 507.5 (32) 13.12.22 (33) DE  
 (43) 20.06.2024  
 (72) RELLER, Christian; WOLF, Erik  
 (74) Spruson & Ferguson
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- (71) SIEMENS GAMESA RENEWABLE ENERGY A/S  
 (11) AU-A-2023420515  
 (21) 2023420515 (22) 29.11.2023  
 (54) METHOD FOR CONTROLLING A POWER INPUT OF A HYDROGEN PRODUCTION DEVICE OF A RENEWABLE HYDROGEN POWER PLANT, COMPUTER PROGRAM PRODUCT AND RENEWABLE HYDROGEN POWER PLANT  
 (51) Int. Cl.  
*H02J 3/00* ( 2006.01 )  
*H02J 3/32* ( 2006.01 )  
*H02J 3/38* ( 2006.01 )  
*H02J 9/06* ( 2006.01 )
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- (71) SIEMENS MOBILITY GMBH  
 (11) AU-A-2023403725  
 (21) 2023403725 (22) 21.11.2023  
 (54) GRIT SYSTEM FOR A RAIL VEHICLE  
 (51) Int. Cl.  
*B61C 15/10* ( 2006.01 )  
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 (72) BAUMANN, Christoph; BÖGE, Ronny; LICHTENEGGER, Marian; MAURER, Michel; STELZLE, Wilfried  
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 (21) 2023405424 (22) 15.11.2023  
 (54) GRIT SYSTEM FOR A RAIL VEHICLE  
 (51) Int. Cl.  
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 (72) BÖGE, Ronny; LICHTENEGGER, Marian; MAURER, Michel; STELZLE, Wilfried  
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 (11) AU-A-2023406135  
 (21) 2023406135 (22) 30.11.2023  
 (54) LIPOASPIRATE WASH SYSTEM AND METHOD  
 (51) Int. Cl.  
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*A61K 9/18* ( 2006.01 )  
*A61K 31/557* ( 2006.01 )  
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*A61L 31/16* ( 2006.01 )  
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*A23B 11/13* ( 2025.01 )  
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*A23C 9/152* ( 2006.01 )  
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*H01M 10/34* ( 2006.01 )  
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 (74) Allens Patent & Trade Mark Attorneys
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*A61K 38/16* ( 2006.01 )  
*A61P 31/04* ( 2006.01 )  
*C07K 1/00* ( 2006.01 )  
*C07K 14/335* ( 2006.01 )  
*C12N 1/00* ( 2006.01 )  
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*C12C 7/165* (2006.01)  
*C12C 7/175* (2006.01)  
*C12C 7/20* (2006.01)  
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*A01P 3/00* (2006.01)  
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*A01N 43/90* (2006.01)  
*A01P 3/00* (2006.01)  
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- (51) Int. Cl.  
*C12N 7/01* (2006.01)  
*A61K 35/76* (2015.01)  
*A61K 38/19* (2006.01)  
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*A61K 47/69* (2017.01)  
*A61P 35/00* (2006.01)  
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*C07K 14/52* (2006.01)  
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*C07K 14/705* (2006.01)  
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*C12N 15/63* (2006.01)  
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*C01F 3/00* ( 2006.01 )  
*F17C 11/00* ( 2006.01 )  
*H02J 15/00* ( 2006.01 )  
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*A61N 1/36* ( 2006.01 )  
*A61B 5/00* ( 2006.01 )  
*A61B 5/08* ( 2006.01 )  
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 (54) SYSTEMS AND METHODS FOR TREATING OBSTRUCTIVE SLEEP APNEA WITH AUTOMATIC STARTS AND STOPS  
 (51) Int. Cl.  
*A61N 1/36* ( 2006.01 )  
*A61B 5/00* ( 2006.01 )  
*A61B 5/11* ( 2006.01 )  
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 (51) Int. Cl.  
*A61F 2/24* ( 2006.01 )  
*A61F 2/95* ( 2013.01 )  
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 (54) AGONISTS OF PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR ALPHA (PPARA) AND METHODS OF USE  
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*A61K 31/662* ( 2006.01 )  
*C07C 15/04* ( 2006.01 )  
*C07F 9/06* ( 2006.01 )  
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 (74) Dentons Patent Attorneys Australasia Limited
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 (51) Int. Cl.  
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 C12N 5/0783 ( 2010.01 )  
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 (51) Int. Cl.  
 C10L 5/44 ( 2006.01 )  
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 B65G 19/02 ( 2006.01 )  
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 (51) Int. Cl.  
 B01J 8/02 ( 2006.01 )  
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 (54) MULTIPLE-BED CATALYTIC REACTOR COMPRISING A DISTRIBUTION DEVICE WITH CYCLONE TYPE FINE DISTRIBUTORS  
 (51) Int. Cl.  
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 (54) SOC STACK COMPRISING COMBINED FLOW DISTRIBUTOR AND CONTACT ENABLER  
 (51) Int. Cl.  
 H01M 8/0206 ( 2016.01 )  
 H01M 8/0254 ( 2016.01 )  
 H01M 8/0258 ( 2016.01 )  
 H01M 8/026 ( 2016.01 )  
 H01M 8/12 ( 2016.01 )  
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**(51)** Int. Cl.  
*H01M 8/0206* ( 2016.01 )  
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**(54)** REMOVAL OF NITROGEN FROM RE-NEWABLE PRODUCTS  
**(51)** Int. Cl.  
*C10G 3/00* ( 2006.01 )  
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*C10G 67/08* ( 2006.01 )  
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**(51)** Int. Cl.  
*C10G 1/00* ( 2006.01 )  
*B01D 53/14* ( 2006.01 )  
*C10B 53/07* ( 2006.01 )  
*C10G 1/10* ( 2006.01 )  
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**(21)** 2023413834 **(22)** 21.12.2023  
**(54)** METHOD OF PRODUCING A POLY-ESTER  
**(51)** Int. Cl.  
*C08G 63/78* ( 2006.01 )  
*C08G 63/183* ( 2006.01 )  
**(87)** WO2024/133659  
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**(51)** Int. Cl.  
*C07C 29/76* ( 2006.01 )  
*C07C 29/80* ( 2006.01 )  
*C07C 31/20* ( 2006.01 )  
*C08G 63/183* ( 2006.01 )  
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**(51)** Int. Cl.  
*H01M 8/0228* ( 2016.01 )  
*C23C 28/00* ( 2006.01 )  
*C25B 1/042* ( 2021.01 )  
*C25B 9/65* ( 2021.01 )  
*H01M 8/021* ( 2016.01 )  
*H01M 8/0215* ( 2016.01 )  
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**(51)** Int. Cl.  
*G01V 1/36* ( 2006.01 )  
*G01V 1/38* ( 2006.01 )  
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**(54)** DRILL FLOOR GRAFTER ROBOT  
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*E21B 19/14* ( 2006.01 )  
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**(51)** Int. Cl.  
*C07D 487/04* ( 2006.01 )  
*A61K 31/4985* ( 2006.01 )  
*A61K 31/5377* ( 2006.01 )  
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**(54)** NLRP3 INFLAMMASOME INHIBITOR AND USE THEREOF  
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*C07D 487/04* ( 2006.01 )  
*A61K 31/502* ( 2006.01 )  
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**C07H 21/02** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )
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**A23N 4/24** ( 2006.01 )  
**B26D 3/26** ( 2006.01 )  
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(72) TURNER, Oral, Oneal; TURNER, Allison, Deborah  
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- (51) Int. Cl.  
**A62D 1/02** ( 2006.01 )
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(72) MONFILS, JoAnna M.  
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(54) ROUTE OF ADMINISTRATION
- (51) Int. Cl.
- A61K 48/00** ( 2006.01 )  
**C07K 14/005** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )
- (87) WO2024/094612  
(31) 2216168.1 (32) 31.10.22 (33) GB  
(43) 10.05.2024  
(72) DOWNEY, Patrick Mark; PATEL, Toshal Rohit; SHRIVASTAVA, Amulya Nidhi  
(74) Griffith Hack
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(54) POLYELECTROPHILIC METALATED HETEROCYCLES DERIVED FROM 2-(PYRIDIN-2-YL)IMIDAZO[1,2-A]PYRIDINE AND USE THEREOF AS CHEMOTHERAPEUTIC AGENTS
- (51) Int. Cl.  
**C07F 1/00** ( 2006.01 )  
**A61K 33/243** ( 2019.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )  
**C07D 471/16** ( 2006.01 )  
**C07F 15/00** ( 2006.01 )
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(31) P202231032 (32) 30.11.22 (33) ES  
(43) 06.06.2024  
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(74) Collison & Co
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- (71) UNIVERSITAT DE BARCELONA; UNIVERSIDAD DE GRANADA; UNIVERSITÀ DEGLI STUDI DI CATANIA  
(11) AU-A-2023381458  
(21) 2023381458 (22) 17.11.2023  
(54) DUAL INHIBITORS OF SIGMA-1 RECEPTOR AND SOLUBLE EPOXIDE HYDROLASE AND THEIR USE IN THE TREATMENT OF PAIN
- (51) Int. Cl.  
**A61K 31/445** ( 2006.01 )  
**A61K 31/4535** ( 2006.01 )  
**A61P 23/00** ( 2006.01 )  
**A61P 25/02** ( 2006.01 )  
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- (87) WO2024/105234  
(31) 22383116.5 (32) 18.11.22 (33) EP  
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- CANTERO, María del Carmen; AMATA, Emanuele; DICHIARA, Maria  
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(11) AU-A-2023401015  
(21) 2023401015 (22) 30.11.2023  
(54) NON PEPTIDERGIC AGONISTS OF OXYTOCIN RECEPTOR
- (51) Int. Cl.  
**A61P 25/00** ( 2006.01 )  
**A61K 31/5517** ( 2006.01 )  
**C07D 487/04** ( 2006.01 )
- (87) WO2024/115660  
(31) 22306767.9 (32) 30.11.22 (33) EP  
(43) 06.06.2024  
(72) HIBERT, Marcel  
(74) MBIP
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(11) AU-A-2023401060  
(21) 2023401060 (22) 30.11.2023  
(54) NON PEPTIDERGIC AGONISTS OF OXYTOCIN RECEPTOR
- (51) Int. Cl.  
**A61P 25/00** ( 2006.01 )  
**A61K 31/5517** ( 2006.01 )  
**C07D 487/04** ( 2006.01 )
- (87) WO2024/115667  
(31) 22306768.7 (32) 30.11.22 (33) EP  
(43) 06.06.2024  
(72) HIBERT, Marcel  
(74) MBIP
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- (71) UNIVERSITE DE TOURS; INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE; CHRU DE TOURS  
(11) AU-A-2023394300  
(21) 2023394300 (22) 14.12.2023  
(54) ACONITATE FOR THE TREATMENT OF A VIRAL LUNG INFECTION
- (51) Int. Cl.  
**A61K 31/55** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )
- (87) WO2024/126742  
(31) 22306925.3 (32) 16.12.22 (33) EP  
(43) 20.06.2024  
(72) SI-TAHAR, Mustapha; GUILLON, Antoine  
(74) FB Rice Pty Ltd
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- (71) UNIVERSITY OF LEEDS  
(11) AU-A-2023391406  
(21) 2023391406 (22) 07.12.2023  
(54) ADAPTIVE ULTRASOUND BEAM-FORMING
- (51) Int. Cl.  
**G01S 7/52** ( 2006.01 )  
**G01S 15/89** ( 2006.01 )  
**G06N 3/02** ( 2006.01 )
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 (72) SMITH, Elliott Ian James; FREEAR, Steven  
 (74) SR Intellectual Property

(71) UPL LIMITED  
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 (21) 2023380403 (22) 10.11.2023  
 (54) HERBICIDE COMPOSITION  
 (51) Int. Cl.  
     A01N 43/80 ( 2006.01 )  
     A01N 25/14 ( 2006.01 )  
     A01N 25/30 ( 2006.01 )  
     A01P 13/00 ( 2006.01 )  
 (87) WO2024/105520  
 (31) 202221065427 (32) 15.11.22 (33) IN  
 (43) 23.05.2024  
 (72) VISHWAS JADHAV, Sujata; PATIL, Samadhan  
 (74) Churchill Attorneys

(71) UPL LIMITED  
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 (54) AN AGROCHEMICAL COMPOSITION  
 (51) Int. Cl.  
     A01N 57/20 ( 2006.01 )  
     A01N 25/02 ( 2006.01 )  
     A01N 25/30 ( 2006.01 )  
     A01P 13/00 ( 2006.01 )  
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 (43) 13.06.2024  
 (72) MONDAL, Achintya; BHOGE, Satish Ekanath  
 (74) Churchill Attorneys

(71) UPL LIMITED  
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 (21) 2023410078 (22) 13.12.2023  
 (54) A STABLE AGROCHEMICAL COMPOSITION  
 (51) Int. Cl.  
     A01N 43/80 ( 2006.01 )  
     A01N 25/04 ( 2006.01 )  
     A01N 25/30 ( 2006.01 )  
     A01N 43/40 ( 2006.01 )  
     A01P 13/00 ( 2006.01 )  
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 (43) 27.06.2024  
 (72) JADHAV, Sujata Vishwas; PATIL, Samadhan  
 (74) Churchill Attorneys

(71) UPL MAURITIUS LIMITED; UPL EUROPE SUPPLY CHAIN GMBH  
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 (21) 2023401188 (22) 01.12.2023  
 (54) A STABLE AGROCHEMICAL COMPOSITION  
 (51) Int. Cl.  
     A01N 25/04 ( 2006.01 )  
     A01N 37/40 ( 2006.01 )  
     A01N 43/40 ( 2006.01 )  
     A01P 13/00 ( 2006.01 )

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 (43) 06.06.2024  
 (72) GOVENDER, Prilene; MNCUBE, Maureen  
 (74) Churchill Attorneys

(71) VANEVO GMBH  
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 (51) Int. Cl.  
     H01M 8/04186 ( 2016.01 )  
     H01M 8/04276 ( 2016.01 )  
     H01M 8/18 ( 2006.01 )  
     H01M 8/249 ( 2016.01 )  
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 (72) GROSSE AUSTING, Jan  
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(71) VAN ROMPAY, B.G.  
 (11) AU-A-2024209742  
 (21) 2024209742 (22) 15.01.2024  
 (54) DEVICE FOR REMOVING AMMUNITION FROM THE BOTTOM OF A WATER BODY AND METHOD APPLIED THEREBY  
 (51) Int. Cl.  
     F42D 5/04 ( 2006.01 )  
     B25J 11/00 ( 2006.01 )  
     B63C 11/34 ( 2006.01 )  
     B63G 7/00 ( 2006.01 )  
     F42B 33/06 ( 2006.01 )  
 (87) WO2024/154038  
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 (43) 25.07.2024  
 (72) VAN ROMPAY, Boudewijn Gabriël  
 (74) Halfords IP

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 (11) AU-A-2023398797  
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 (54) DIALYSIS SYSTEM HAVING MOTOR DRIVER PRESSURE ESTIMATION OF FLUID WITHIN A PATIENT LINE  
 (51) Int. Cl.  
     A61M 1/16 ( 2006.01 )  
 (87) WO2024/129959  
 (31) 63/432,589 (32) 14.12.22 (33) US  
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 (72) PETERSSON, Michael; WINQUIST, Andreas; ANDERSSON, Per  
 (74) K&L Gates

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 (11) AU-A-2023403246  
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 (54) DIALYSIS SYSTEM HAVING REDUCED VALVE NOISE AND VALVE POSITION DETECTION  
 (51) Int. Cl.  
     A61M 1/28 ( 2006.01 )

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 (31) 63/429,782 (32) 02.12.22 (33) US  
 (43) 06.06.2024  
 (72) ZAFIRIS, John  
 (74) K&L Gates

(71) VANTIVE US HEALTHCARE LLC; VANTIVE HEALTH GMBH  
 (11) AU-A-2023403254  
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 (54) DIALYSIS SYSTEM HAVING A VALVE FUNCTIONALITY ASSESSMENT  
 (51) Int. Cl.  
     A61M 1/28 ( 2006.01 )  
     A61M 1/14 ( 2006.01 )  
     F16K 31/06 ( 2006.01 )  
     F16K 37/00 ( 2006.01 )  
     H01F 7/18 ( 2006.01 )  
 (87) WO2024/119181  
 (31) 63/429,845 (32) 02.12.22 (33) US  
 (43) 06.06.2024  
 (72) FÄLLMAN, Oskar Erik Frode Styrbjörn; PETERSSON, Michael; HANSSON, Jimmie Marcus Axel; BORGQVIST, Per-Olof  
 (74) K&L Gates

(71) VANTIVE US HEALTHCARE LLC; VANTIVE HEALTH GMBH  
 (11) AU-A-2023403258  
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 (54) DIALYSIS SYSTEM HAVING REDUCED VALVE NOISE  
 (51) Int. Cl.  
     A61M 1/28 ( 2006.01 )  
 (87) WO2024/119184  
 (31) 63/429,845 (32) 02.12.22 (33) US  
 (43) 06.06.2024  
 (72) FÄLLMAN, Oskar Erik Frode Styrbjörn; PETERSSON, Michael; HANSSON, Jimmie Marcus Axel; BORGQVIST, Per-Olof  
 (74) K&L Gates

(71) VARGAS MUNOZ, M.D.  
 (11) AU-A-2023385371  
 (21) 2023385371 (22) 23.11.2023  
 (54) DEVICE FOR SUPPORTING BITS FOR A TOOL  
 (51) Int. Cl.  
     B25B 21/00 ( 2006.01 )  
     B23B 31/107 ( 2006.01 )  
     B25F 3/00 ( 2006.01 )  
     B25F 5/02 ( 2006.01 )  
 (87) WO2024/110601  
 (31) 22209472.4 (32) 24.11.22 (33) EP  
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 (72) VARGAS MUNOZ, Manuel Dimas  
 (74) Chrysiliou IP

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 (54) A COVER FOR AN ACOUSTIC MEDICAL DEVICE  
 (51) Int. Cl.  
     A61B 8/00 ( 2006.01 )

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**(43)** 13.06.2024  
**(72)** BAPPOO, Nikhilesh; BUCKLEY, Nicholas; ARENSON, Katherine; HO, Phuoc Hao; SAVIGNI, Evan Luciano; FOO, Sean Chak-Qiong; COLLIER, Evelyn Ciara; BLACK, Lincoln  
**(74)** WRAYS PTY LTD
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- (71)** VILOFOSS A/S  
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**(21)** 2022489317 **(22)** 12.12.2022  
**(54)** COMPOSTIONS FOR USE IN THE PROPHYLACTIC TREATMENT OF HYPOCALCEMIA IN A RUMINANT ANIMAL  
**(51)** Int. Cl.  
**A23K 20/10** ( 2016.01 )  
**A23K 50/10** ( 2016.01 )  
**A61K 33/06** ( 2006.01 )  
**A61K 33/10** ( 2006.01 )  
**A61K 33/26** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 3/14** ( 2006.01 )  
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**(72)** THEILGAARD, Per  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** VITE OROZCO, J.L.  
**(11)** AU-A-2023390074  
**(21)** 2023390074 **(22)** 18.11.2023  
**(54)** SYSTEM FOR PRESENTING, VERIFYING AND GATHERING METRICS OF ADVERTISING CONTENT PLAYED ON SCREENS AND/OR THROUGH SPEAKERS OF COMMERCIAL ESTABLISHMENTS  
**(51)** Int. Cl.  
**G06K 7/00** ( 2006.01 )  
**(87)** WO2024/123167  
**(31)** MX/a/2022/015861 **(32)** 09.12.22 **(33)** MX  
**(43)** 13.06.2024  
**(72)** VITE OROZCO, José Luis  
**(74)** WRAYS PTY LTD
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- (71)** VULCO S.A.  
**(11)** AU-A-2024212233  
**(21)** 2024212233 **(22)** 11.01.2024  
**(54)** ADHESIVE COMPOSITION AND/OR METHOD OF REMOVING ELASTOMER LINER FROM METAL SUBSTRATE  
**(51)** Int. Cl.  
**C09J 5/02** ( 2006.01 )  
**B32B 15/04** ( 2006.01 )  
**B32B 15/06** ( 2006.01 )  
**B32B 37/12** ( 2006.01 )  
**C08K 5/3472** ( 2006.01 )  
**C09J 5/08** ( 2006.01 )  
**C09J 11/06** ( 2006.01 )  
**C09J 161/06** ( 2006.01 )  
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**(43)** 02.08.2024  
**(72)** PINEDA, Daniel; PEREZ, Cristian; ARELLANO, Jose; BERTRAN, Mario  
**(74)** WEIR MINERALS AUSTRALIA LTD
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**(11)** AU-A-2023395945  
**(21)** 2023395945 **(22)** 15.12.2023  
**(54)** SELECTIVE DENSIFICATION OF EXPANDED POLYETHYLENE  
**(51)** Int. Cl.  
**B29C 44/56** ( 2006.01 )  
**B29C 59/02** ( 2006.01 )  
**(87)** WO2024/130143  
**(31)** 63/433,123 **(32)** 16.12.22 **(33)** US  
**(43)** 20.06.2024  
**(72)** CULLY, Edward H.; DUNCAN, Jeffrey B.; MCDANIEL, Thomas R.  
**(74)** Griffith Hack
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- (71)** W. L. GORE & ASSOCIATES, INC.  
**(11)** AU-A-2023395952  
**(21)** 2023395952 **(22)** 15.12.2023  
**(54)** IMPROVED BEND RADIUS AND STORED LENGTH IN POLYETHYLENE CONSTRUCTS  
**(51)** Int. Cl.  
**B29C 44/56** ( 2006.01 )  
**B29C 59/02** ( 2006.01 )  
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**(31)** 63/433,093 **(32)** 16.12.22 **(33)** US  
**(43)** 20.06.2024  
**(72)** DUNCAN, Jeffrey B.; MCDANIEL, Thomas R.  
**(74)** Griffith Hack
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- (71)** W. L. GORE & ASSOCIATES, INC.  
**(11)** AU-A-2023395954  
**(21)** 2023395954 **(22)** 15.12.2023  
**(54)** COMPOSITE MATERIALS AND LAMINATES  
**(51)** Int. Cl.  
**A61F 2/06** ( 2013.01 )  
**(87)** WO2024/130150  
**(31)** 63/433,143 **(32)** 16.12.22 **(33)** US  
**(43)** 20.06.2024  
**(72)** CULLY, Edward H.; DUNCAN, Jeffrey B.; MARYN, Rebecca L.; MCDANIEL, Thomas R.  
**(74)** Griffith Hack
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**(11)** AU-A-2023395964  
**(21)** 2023395964 **(22)** 15.12.2023  
**(54)** FORMING MONOLITHIC POLYETHYLENE ARTICLES  
**(51)** Int. Cl.  
**B29C 44/12** ( 2006.01 )  
**A61F 2/00** ( 2006.01 )  
**B29C 51/00** ( 2006.01 )  
**B29C 65/00** ( 2006.01 )  
**(87)** WO2024/130159  
**(31)** 63/433,132 **(32)** 16.12.22 **(33)** US
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- (43)** 20.06.2024  
**(72)** CULLY, Edward H.; DUNCAN, Jeffrey B.; MCDANIEL, Thomas R.  
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**(11)** AU-A-2023395975  
**(21)** 2023395975 **(22)** 15.12.2023  
**(54)** PROCESSING OF EXPANDED POLYETHYLENE ABOVE THE MELT POINT  
**(51)** Int. Cl.  
**B29C 53/40** ( 2006.01 )  
**B29C 53/60** ( 2006.01 )  
**B29C 55/00** ( 2006.01 )  
**B29C 55/24** ( 2006.01 )  
**(87)** WO2024/130168  
**(31)** 63/433,114 **(32)** 16.12.22 **(33)** US  
**(43)** 20.06.2024  
**(72)** DUNCAN, Jeffrey B.; MCDANIEL, Thomas R.  
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**(11)** AU-A-2023380648  
**(21)** 2023380648 **(22)** 16.11.2023  
**(54)** AN EFFECTOR FOR A WAVE POWER SYSTEM AND A WAVE POWER SYSTEM  
**(51)** Int. Cl.  
**F03B 13/18** ( 2006.01 )  
**(87)** WO2024/104543  
**(31)** PA 2022 70562 **(32)** 16.11.22 **(33)** DK  
**(43)** 23.05.2024  
**(72)** GLEJBØL, Kristian; VON BULOW, Martin; LUKASSEN, Troels Vestergaard  
**(74)** GLMR
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- (71)** WEIR MINERALS U.S. INC.  
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**(54)** SLEEVE SEAL LUBRICATION SYSTEM AND METHOD FOR A GATE VALVE  
**(51)** Int. Cl.  
**F16K 3/02** ( 2006.01 )  
**F16K 3/36** ( 2006.01 )  
**F16K 27/04** ( 2006.01 )  
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**(72)** RAO, Vineet; BASAVA, Madhukar  
**(74)** WEIR MINERALS AUSTRALIA LTD
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**(11)** AU-A-2023409345  
**(21)** 2023409345 **(22)** 09.11.2023  
**(54)** USING AMBIGUOUS SEMANTIC LABELED IMAGES FOR UAV POSITIONING  
**(51)** Int. Cl.  
**G01C 21/20** ( 2006.01 )  
**G06V 20/00** ( 2022.01 )  
**(87)** WO2024/137067  
**(31)** 22290084.7 **(32)** 23.12.22 **(33)** EP  
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 (11) AU-A-2023413468  
 (21) 2023413468 (22) 08.11.2023  
 (54) SYSTEM AND METHOD FOR LOCATING REMOTE EARTH FAULT SECTION IN POWER GRIDS  
 (51) Int. Cl.  
*G01R 31/08* ( 2020.01 )  
*G01R 31/52* ( 2020.01 )  
*H02H 1/00* ( 2006.01 )  
*H02H 3/17* ( 2006.01 )  
*H02H 9/08* ( 2006.01 )  
 (87) WO2024/132286  
 (31) 22215751.3 (32) 22.12.22 (33) EP  
 (43) 27.06.2024  
 (72) WINTER, Andreas; HOLLANDER, Johan  
 (74) GLMR
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- (71) WISK AERO LLC  
 (11) AU-A-2023391586  
 (21) 2023391586 (22) 04.12.2023  
 (54) DISTRIBUTED LOW VOLTAGE POWER GENERATION ARCHITECTURE FOR BATTERY ELECTRIFIED AIRCRAFT  
 (51) Int. Cl.  
*B60L 58/19* ( 2019.01 )  
*B60L 50/64* ( 2019.01 )  
*H02J 1/10* ( 2006.01 )  
 (87) WO2024/123704  
 (31) 63/430,313 (32) 05.12.22 (33) US  
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 (74) Davies Collison Cave Pty Ltd
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 (54) CHILD SAFETY SEAT  
 (51) Int. Cl.  
*B60N 2/28* ( 2006.01 )  
*B60N 2/75* ( 2018.01 )  
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 (74) PHILLIPS ORMONDE FITZPATRICK
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 (51) Int. Cl.  
*C07C 271/22* ( 2006.01 )  
*A61K 31/19* ( 2006.01 )  
*A61P 25/00* ( 2006.01 )  
*C07C 229/00* ( 2006.01 )  
 (87) WO2024/109817  
 (31) PCT/ CN2022/134094 (32) 24.11.22 (33) CN  
 (43) 30.05.2024  
 (72) AI, Xinmiao; XU, Feng; XIAO, Jianfeng; HONG, Lan  
 (74) FB Rice Pty Ltd
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 (11) AU-A-2023437939  
 (21) 2023437939 (22) 04.09.2023  
 (54) POOL ROBOT  
 (51) Int. Cl.  
*E04H 4/16* ( 2006.01 )  
*B08B 9/08* ( 2006.01 )  
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 (43) 26.09.2024  
 (72) ZHANG, Shilei  
 (74) Madderns Pty Ltd
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- (71) ZHAO, Y.  
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 (21) 2023365152 (22) 24.07.2023  
 (54) PREPARATION METHOD FOR AND USE OF DOPED NANOMETER BARIUM/LITHIUM TITANATE POWDER MATERIAL  
 (51) Int. Cl.  
*C01G 23/00* ( 2006.01 )  
*B82Y 30/00* ( 2011.01 )  
*B82Y 40/00* ( 2011.01 )  
*C01G 23/047* ( 2006.01 )  
 (87) WO2024/082750  
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 (43) 25.04.2024  
 (72) ZHAO, Yuanyun  
 (74) Madderns Pty Ltd
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- (71) ZHEJIANG AIKO SOLAR ENERGY TECHNOLOGY CO., LTD.; ZHUHAI FUSHAN AIKO SOLAR ENERGY TECHNOLOGY CO., LTD.; TIANJIN AIKO SOLAR ENERGY TECHNOLOGY CO., LTD.; GUANGDONG AIKO SOLAR ENERGY TECHNOLOGY CO., LTD.  
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 (54) PASSIVATED CONTACT STRUCTURE, SOLAR CELL, MODULE AND SYSTEM  
 (51) Int. Cl.  
*H01L 23/00* ( 2006.01 )  
 (87) WO2024/131179  
 (31) 202211629997.8 (32) 19.12.22 (33) CN  
 (43) 27.06.2024  
 (72) TANG, Yuanzhao; QIU, Kaifu; WANG, Yongqian; LIN, Wenjie; YANG, Xinqiang; CHEN, Gang  
 (74) Griffith Hack
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 (11) AU-A-2023422299  
 (21) 2023422299 (22) 31.10.2023  
 (54) METHOD FOR PRODUCING AMMONIUM POLYVANADATE FROM HIGH-SODIUM AND HIGH-OXALATE VANADIUM SLAG  
 (51) Int. Cl.  
*C01G 31/00* ( 2006.01 )  
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 (31) 202310080493.3 (32) 13.01.23 (33) CN  
 (43) 18.07.2024  
 (72) QI, Lijuan; WEI, Shuyao; KANG, Shaojie; YANG, Guili  
 (74) SOLIS IP PTY LTD
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- (71) ZTE CORPORATION  
 (11) AU-A-2023370629  
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 (72) NIU, Li; GAO, Yuan; SHA, Xiubin  
 (74) Davies Collison Cave Pty Ltd
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- (71) ZTE CORPORATION  
 (11) AU-A-2023381847  
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 (54) CHANNEL AND INTERFERENCE MEASUREMENT  
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 (87) WO2024/103537  
 (43) 23.05.2024  
 (72) WEI, Xingguang; LI, Jian; HAN, Xianghai; LIU, Xing; FENG, Shuai  
 (74) Spruson & Ferguson
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- (71) ZTE CORPORATION  
 (11) AU-A-2023405295  
 (21) 2023405295 (22) 31.03.2023  
 (54) CHANNEL STATE INFORMATION REFERENCE SIGNAL RESOURCE CONFIGURATION AND QUANTIZATION IN TIME-DOMAIN CHANNEL PROPERTY REPORTING  
 (51) Int. Cl.  
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 (87) WO2024/113578  
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 (72) JIANG, Guangyu; GAO, Bo; ZOU, Mingqiang; ZHANG, Shujuan  
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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2024224498	TETRA LAVAL HOLDINGS & FINANCE S.A.
2024226772	TETRA LAVAL HOLDINGS & FINANCE S.A.
2024227746	SAMUELSON, J.
2024229114	ADIONICS
2024233114	HARPER, S.; BOYD, C.
2024236423	PLANTED FOODS AG
2024238188	ASCENSE MEDICAL GMBH
2024239561	TOKUYAMA CORPORATION
2024256355	MOONLAKE IMMUNOTHERAPEUTICS AG
2024258592	I.T.S. GMBH
2024266815	NUC ELECTRONICS CO., LTD.
2024266854	BGRIMM MTC TECHNOLOGY CO., LTD.
2024290604	LG ENERGY SOLUTION, LTD.
2024319922	KENAMETAL INC.
2024331934	CHONGQING CHANGAN AUTOMOBILE CO., LTD.
2024339211	KOREA ZINC CO., LTD.; KEMCO
2024345694	OMNI UNITED (S) PTE LTD.
2024354213	CHINA UNIVERSITY OF MINING AND TECHNOLOGY
2024361198	HANGZHOU EMUST TECHNOLOGY CO., LTD.
2024361201	SENSOLYZER ADVANCED SENSING SYSTEMS LTD
2024365132	HERCUS, J.B.

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2023223752	2023385062	2023385520	2023413578	2023413578	2023409608
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2022489317	2023385019	2023403292	2023411196	2023379591	2024223471
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2023400711	2023402932	2023403379	<b><u>A61P 21 /-</u></b>	2023383898	2023400140
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2023367029	2023405587		<b><u>A61P 23 /-</u></b>	2023389980	2023374848
2023367033	2023410349	2023398797		2023390702	
2023370466	2023411196	2023403246	2023381458	2023391621	<b><u>A63B 63 /-</u></b>
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2023372974	2023418640	2023403258	<b><u>A61P 25 /-</u></b>	2023396551	2023396679
2023373360	2024206166	2023406135		2023400616	
2023382377	2024208071	<b><u>A61M 16 /-</u></b>	2023367071	2023400635	<b><u>A63B 69 /-</u></b>
2023385019	2024215379		2023381458	2023400711	2023400140
2023405587	<b><u>A61K 48 /-</u></b>	2023399625	2023383844	2023400844	
2023405898		2023406052	2023400616	2023402587	<b><u>A63B 71 /-</u></b>
2023409234	2023366935	<b><u>A61M 25 /-</u></b>	2023401015	2023402932	2023400140
<b><u>A61K 36 /-</u></b>	2023374427		2023401060	2023405587	
	2023375897	2023399317	2023403257	2023408894	2023400140
2023367737	2023385019	2023399625	2023418793	2023409221	<b><u>A63F 13 /-</u></b>
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2023371556	<b><u>A61K 8 /-</u></b>	2023403292	2023384258	2023410349	
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	2023383894	<b><u>A61M 60 /-</u></b>	<b><u>A61P 29 /-</u></b>	2024206166	2023396679
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2023384258	2023418640	<b><u>A61N 1 /-</u></b>	<b><u>A61P 37 /-</u></b>		<b><u>B01D 11 /-</u></b>
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2023405587		2023407651	2023378440	2023370466	<b><u>B01D 25 /-</u></b>
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2023420282	2023386808	2024209503	2023383894	2023385709	2023384170
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2023369561	2023398975	2023409221	2023400616	2023400616	2023391735
2023371701	2023400620	<b><u>A61P 1 /-</u></b>	2023402932	2023405587	
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2023385709	2023412900	2023367029	<b><u>A61P 31 /-</u></b>	2023370868	<b><u>B01D 46 /-</u></b>
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2023403045	2024208071	2023400616	2023394300	<b><u>A61P 7 /-</u></b>	<b><u>B01D 53 /-</u></b>
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2023409221	<b><u>A61L 101 /-</u></b>		2023405418	2023410606	2023377807
2023410277		2023386808	2023410266	<b><u>A61P 9 /-</u></b>	2023385632
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2023403292	2023384992	2023367029	2023367737	2023418640	2023389305
2023410606	<b><u>A61L 27 /-</u></b>	2023371548	2023367739		
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2023384917	2023406041	<b><u>B26D 3 /-</u></b>	2024224498	2023376827	<b><u>B63B 79 /-</u></b>
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2023396645	<b><u>B23Q 1 /-</u></b>	2023395975	<b><u>B60C 11 /-</u></b>	<b><u>B60P 1 /-</u></b>	<b><u>B64D 47 /-</u></b>
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	<b><u>B23Q 5 /-</u></b>		2023415640	2023405424	2024226772
<b><u>B05B 7 /-</u></b>	2024213831	<b><u>B29C 73 /-</u></b>	<b><u>B60K 15 /-</u></b>	<b><u>B62D 1 /-</u></b>	<b><u>B65D 65 /-</u></b>
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2023401270		<b><u>B30B 9 /-</u></b>	<b><u>B60L 1 /-</u></b>	2023381184	2023376827
	<b><u>B25F 3 /-</u></b>	2024266815	2022491224	<b><u>B63B 21 /-</u></b>	2023377354
<b><u>B09C 1 /-</u></b>	2023385371	<b><u>B32B 1 /-</u></b>	2023415640	2023406326	2023377358
2023401270		<b><u>B32B 15 /-</u></b>	2022491224		
<b><u>B21D 11 /-</u></b>	<b><u>B25F 5 /-</u></b>				
2023406041	2023385371				
<b><u>B21D 19 /-</u></b>	2023406200				
2023406041	<b><u>B25J 11 /-</u></b>				
	2024209742				

PCT applications which have entered the National Phase - IPC Index cont'd

<b><u>B65G 19 /-</u></b>	<b><u>C01F 11 /-</u></b>	<b><u>C07C 57 /-</u></b>	<b><u>C07D 471 /-</u></b>	2023371701	
2024218706	2023378960	2023371556	2022488976	2023374427	<b><u>C08K 3 /-</u></b>
<b><u>B65G 27 /-</u></b>	2023397554		2023371859	2023375458	2023371450
		<b><u>C07D 207 /-</u></b>	2023378440	2023381102	
2023397224	<b><u>C01F 5 /-</u></b>		2023383898	2023382377	<b><u>C08K 5 /-</u></b>
	2023378960	2023366495	2023400616	2023400872	2024212233
<b><u>B65G 47 /-</u></b>		<b><u>C07D 209 /-</u></b>	2023400711	2023405587	
2024218706	<b><u>C01G 23 /-</u></b>		2023400844	2023406050	<b><u>C08L 5 /-</u></b>
	2023365152	2023378440	2023402587	2023406927	2023381620
<b><u>B65G 65 /-</u></b>		2023379521		2023408894	2023415848
	<b><u>C01G 31 /-</u></b>	<b><u>C07D 215 /-</u></b>	<b><u>C07D 475 /-</u></b>	2023420282	
2023397224	2023422299	2023384196	2023371556		<b><u>C07K 16 /-</u></b>
<b><u>B65G 67 /-</u></b>				2023369561	<b><u>C08L 89 /-</u></b>
	<b><u>C02F 1 /-</u></b>	<b><u>C07D 221 /-</u></b>	<b><u>C07D 487 /-</u></b>	2023370868	2023418640
2023397224	2023388219	2023378440	2023370466	2023371701	<b><u>C09D 105 /-</u></b>
<b><u>B66B 7 /-</u></b>			2023371859	2023372824	2023443961
	<b><u>C02F 101 /-</u></b>	<b><u>C07D 235 /-</u></b>	2023401015	2023373360	
2023388660			2023401060	2023373683	<b><u>C09D 11 /-</u></b>
	<b><u>C02F 101 /-</u></b>	<b><u>C07D 235 /-</u></b>	2023402587	2023375543	2023377213
<b><u>B82Y 20 /-</u></b>	2023403020	2023394504	2023418793	2023375570	2023379591
				2023377213	2023374712
2023394105	<b><u>C04B 26 /-</u></b>	<b><u>C07D 237 /-</u></b>	<b><u>C07D 491 /-</u></b>	2023383867	<b><u>C09J 11 /-</u></b>
	2023371450	2023371859	2023383867	2023384497	2024212233
<b><u>B82Y 30 /-</u></b>			2023391621	2023385709	
	<b><u>C05D 1 /-</u></b>	<b><u>C07D 303 /-</u></b>	2023402587	2023386214	<b><u>C09J 161 /-</u></b>
2023365152				2023405587	2024212233
<b><u>B82Y 40 /-</u></b>	2023371453	2023406945	<b><u>C07D 495 /-</u></b>	2023408894	<b><u>C09J 175 /-</u></b>
			2023371859	2023409221	2023410565
2023365152	<b><u>C05G 3 /-</u></b>	<b><u>C07D 311 /-</u></b>		2023410277	
	2023371453	2023371556	<b><u>C07D 498 /-</u></b>	2023413523	<b><u>C09J 175 /-</u></b>
<b><u>C01B 11 /-</u></b>		2023402932		2024206166	
	<b><u>C07C 15 /-</u></b>		2023396551	2024256355	<b><u>C09J 197 /-</u></b>
2023368026		<b><u>C07D 317 /-</u></b>	<b><u>C07D 519 /-</u></b>		2023410565
<b><u>C01B 15 /-</u></b>	2023315768	2023383955	2023383898	2022489955	<b><u>C09J 5 /-</u></b>
		2023406945		2023371361	2024212233
2023403020	<b><u>C07C 229 /-</u></b>		<b><u>C07F 1 /-</u></b>	2023375543	
	2023383844	<b><u>C07D 339 /-</u></b>		2023384258	<b><u>C10B 53 /-</u></b>
<b><u>C01B 25 /-</u></b>			2023400711	2023384497	2023413763
	<b><u>C07C 231 /-</u></b>	2023371556	<b><u>C07F 15 /-</u></b>		<b><u>C10G 1 /-</u></b>
2023378960			2023400711	2023400872	2023413763
<b><u>C01B 3 /-</u></b>	2023383894	<b><u>C07D 401 /-</u></b>			2023418312
			<b><u>C07F 7 /-</u></b>	<b><u>C08B 37 /-</u></b>	<b><u>C10G 17 /-</u></b>
2023385528	<b><u>C07C 233 /-</u></b>	2023366270		2023381620	2023411455
2023388180		2023371859	<b><u>C07F 9 /-</u></b>	2023371450	<b><u>C10G 3 /-</u></b>
2023426279	2023383894	2023378440		2023388219	2023413763
		2023383898	2023384992	2023410565	
<b><u>C01B 32 /-</u></b>	<b><u>C07C 271 /-</u></b>	2023420301			<b><u>C10G 45 /-</u></b>
		2024208850	<b><u>C07D 405 /-</u></b>	<b><u>C08G 18 /-</u></b>	2023413763
2022401149	2023383844		2023315768	2023371450	2023411455
2023378960	2024229114	<b><u>C07D 405 /-</u></b>	2023385854	2023388219	<b><u>C10G 3 /-</u></b>
				2023410565	
<b><u>C01C 1 /-</u></b>	<b><u>C07C 279 /-</u></b>	2023371859	<b><u>C07H 15 /-</u></b>	<b><u>C08G 63 /-</u></b>	2023411455
		2023394504		2023413834	2023413763
2023378960	2023371556	2024208850	<b><u>C07H 21 /-</u></b>	2023413835	<b><u>C10G 45 /-</u></b>
			2023378494		2023413763
<b><u>C01C 3 /-</u></b>	<b><u>C07C 29 /-</u></b>	<b><u>C07D 407 /-</u></b>		<b><u>C08G 81 /-</u></b>	2023413763
	2023413835		2023396211	2023375695	2023418312
2023388178		2023406945	2023406221		
<b><u>C01D 1 /-</u></b>	<b><u>C07C 31 /-</u></b>	<b><u>C07D 409 /-</u></b>	<b><u>C07K 1 /-</u></b>	<b><u>C08H 7 /-</u></b>	<b><u>C10G 49 /-</u></b>
			2023420282	2023410565	2023418312
2023378960	2023413835	2023371859	<b><u>C07K 14 /-</u></b>		<b><u>C10G 65 /-</u></b>
			2023370868	2023389305	2023418312
<b><u>C01D 15 /-</u></b>	<b><u>C07C 50 /-</u></b>	<b><u>C07D 413 /-</u></b>			
	2023371556				
2024229114		2024208850			

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<b><u>C10G 67 /-</u></b>	<b><u>C12N 15 /-</u></b>	<b><u>C12P 21 /-</u></b>	<b><u>C22B 7 /-</u></b>	<b><u>D06M 16 /-</u></b>	<b><u>E21B 21 /-</u></b>
2023411455	2022486981	2023400872	2023403020	2023402401	2023414978
	2022489955	2023420282			
	2023366354		<b><u>C22C 33 /-</u></b>		<b><u>E21B 41 /-</u></b>
<b><u>C10G 70 /-</u></b>	2023366935	<b><u>C12P 33 /-</u></b>	2023413500	<b><u>E01B 11 /-</u></b>	2023401279
2023413763	2023367033	2023403858		2023377354	2023404987
	2023371361		<b><u>C22C 38 /-</u></b>		
	2023374241		2023413500	<b><u>E01B 23 /-</u></b>	<b><u>E21B 43 /-</u></b>
<b><u>C10G 75 /-</u></b>	2023374427	<b><u>C12P 5 /-</u></b>		2023377354	2023401279
2023418312	2023375458	2023401199			2023414978
	2023375543		<b><u>C23C 28 /-</u></b>	<b><u>E01B 26 /-</u></b>	
	2023375897	<b><u>C12P 7 /-</u></b>	2023409174	2023377354	<b><u>E21B 44 /-</u></b>
<b><u>C10L 1 /-</u></b>	2023377213	2023401199			
2023392638	2023381102		<b><u>C23C 30 /-</u></b>	<b><u>E01C 15 /-</u></b>	<b><u>E21B 7 /-</u></b>
2023409238	2023384060	<b><u>C12Q 1 /-</u></b>	2023413500	2023391724	2023371811
	2023384258				
<b><u>C10L 10 /-</u></b>	2023384497	2022486981	<b><u>C25B 1 /-</u></b>	<b><u>E01C 23 /-</u></b>	<b><u>E21B 7 /-</u></b>
2023392638	2023385019	2023376570		2024319922	2023414978
	2023390250	2023384060			
	2023393582	2023385733	2022401149		<b><u>E21C 35 /-</u></b>
<b><u>C10L 5 /-</u></b>	2023396211	2023386214	2023389305		2024319922
2024239561	2023402122	2023406032	2023397261	<b><u>E02D 1 /-</u></b>	
	2023403858	2023406050	2023409174	2023413577	<b><u>E21D 11 /-</u></b>
	2023405587	2023406221			
<b><u>C10M 169 /-</u></b>	2023406118	2023406245	<b><u>C25B 11 /-</u></b>	<b><u>E02F 9 /-</u></b>	<b><u>E21D 20 /-</u></b>
2023409238	2023406221	2024207414	2023403020	2023417424	2023369907
	2023406927				
	2023407654	<b><u>C12R 1 /-</u></b>	<b><u>C25B 13 /-</u></b>	<b><u>E03D 1 /-</u></b>	<b><u>E21D 21 /-</u></b>
<b><u>C12C 11 /-</u></b>	2023413056	2023402120	2023389305	2023374281	2023369907
2022491146	2023420282	2023402122			
		2023402123	<b><u>C25B 15 /-</u></b>	<b><u>E03F 1 /-</u></b>	<b><u>E21D 9 /-</u></b>
<b><u>C12C 12 /-</u></b>	<b><u>C12N 5 /-</u></b>	2023402124	2023397261	2023391724	2023414978
2022491146	2022488976	2023403858			
	2022489955	2023407654	<b><u>C25B 9 /-</u></b>	<b><u>E03F 5 /-</u></b>	<b><u>F01N 3 /-</u></b>
<b><u>C12C 7 /-</u></b>	2023371361		2023397261	2023391724	2023426279
2022491146	2023372974	<b><u>C21B 13 /-</u></b>	2023409174		
	2023373360	2023407133		<b><u>E04B 1 /-</u></b>	<b><u>F03B 13 /-</u></b>
	2023377213		<b><u>C25C 1 /-</u></b>	2023373587	
<b><u>C12G 3 /-</u></b>	2023409234	<b><u>C21B 5 /-</u></b>	2024206105	2023373588	<b><u>F04B 49 /-</u></b>
2023391092	2023420282			2023373589	2023405270
		<b><u>C12N 7 /-</u></b>	<b><u>C40B 40 /-</u></b>	<b><u>E04H 3 /-</u></b>	
<b><u>C12H 1 /-</u></b>	<b><u>C12N 7 /-</u></b>	2022483532	2023385733	2023373589	<b><u>F04C 28 /-</u></b>
2022491146	2023405587				2023405270
		<b><u>C22B 1 /-</u></b>	<b><u>D01B 7 /-</u></b>	<b><u>E04H 4 /-</u></b>	<b><u>F04D 25 /-</u></b>
	<b><u>C12N 9 /-</u></b>	2022483532	2023418640	2023437939	
<b><u>C12M 1 /-</u></b>	2022489955	2023392441			<b><u>F04D 27 /-</u></b>
2023370517	2023370518		<b><u>D03D 3 /-</u></b>	<b><u>E21B 10 /-</u></b>	2023405270
2023397558	2023374241	<b><u>C22B 11 /-</u></b>	2024238188	2024319922	2024227746
2023406245	2023381102	2023403020	<b><u>D05B 29 /-</u></b>	<b><u>E21B 17 /-</u></b>	
	2023384258		2023447501	2023401279	2023405270
	2023385733	<b><u>C22B 23 /-</u></b>		2023404987	<b><u>F15B 11 /-</u></b>
<b><u>C12M 3 /-</u></b>	2023390250	2023392441	<b><u>D06F 39 /-</u></b>	<b><u>E21B 19 /-</u></b>	2023417424
2023370517	2023401199	2024339211	2023378215	2023371811	
	2023401270		2023391735	2023401279	<b><u>F15B 21 /-</u></b>
<b><u>C12N 1 /-</u></b>	2023402120	<b><u>C22B 26 /-</u></b>	<b><u>D06M 13 /-</u></b>		2023417424
2022489955	2023402122	2024229114	2023402401		
2023377213	2023402123				
2023401270	2023402124	<b><u>C22B 3 /-</u></b>			
2023402120	2023403858	2023403020			
2023402122	2023406032	2024229114			
2023402123	2023406118	2024339211			
2023402124	2023413056				
2023403858		<b><u>C12P 17 /-</u></b>			
2023407654		2023406945			
2023420282					
		<b><u>C22B 5 /-</u></b>			
		2023407133			

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<b><u>F16D 49 /-</u></b>	<b><u>F24F 110 /-</u></b>	<b><u>F28F 13 /-</u></b>	<b><u>G01N 23 /-</u></b>	<b><u>G01V 3 /-</u></b>	<b><u>G06K 7 /-</u></b>
2024213831	2023404328 2023405933	2023426279	2024233114	2023413586	2022485225 2023390074
<b><u>F16D 55 /-</u></b>	<b><u>F24F 12 /-</u></b>	<b><u>F41A 9 /-</u></b>	<b><u>G01N 25 /-</u></b>	<b><u>G02B 1 /-</u></b>	<b><u>G06N 10 /-</u></b>
2024213831	2023386327	2023393458	2023413524 2024233114	2023403256	2023394105 2023421250
<b><u>F16H 3 /-</u></b>	<b><u>F24F 13 /-</u></b>	<b><u>F41G 1 /-</u></b>	<b><u>G01N 27 /-</u></b>	<b><u>G02B 21 /-</u></b>	<b><u>G06N 20 /-</u></b>
2023366636	2023386327	2023393458	2022490207 2023384060 2023472189	2023371986 2023380541	2023389234 2023400140
<b><u>F16K 27 /-</u></b>	<b><u>F24F 140 /-</u></b>	<b><u>F41H 13 /-</u></b>	<b><u>G01N 30 /-</u></b>	<b><u>G02B 3 /-</u></b>	<b><u>G06N 3 /-</u></b>
2024213264	2023405933	2023389393	2023413656	2023403256	2023381184 2023391406 2023410991 2023414959
<b><u>F16K 3 /-</u></b>	<b><u>F24F 5 /-</u></b>	<b><u>F42B 33 /-</u></b>	<b><u>G01N 33 /-</u></b>	<b><u>G02B 6 /-</u></b>	<b><u>G06N 3 /-</u></b>
2022487158 2024213264	2023367370	2024209742	2023373683 2023377213 2023385733 2023386214 2023390798 2023406050 2023406245 2023413524 2024361198	2023371986 2023394105 2023407332	2023381184 2023391406 2023410991 2023414959
<b><u>F16K 31 /-</u></b>	<b><u>F24F 7 /-</u></b>	<b><u>F42D 1 /-</u></b>	<b><u>G01R 31 /-</u></b>	<b><u>G02C 7 /-</u></b>	<b><u>G06Q 10 /-</u></b>
2023374281 2023403254	2023373587	2024209011	2023404834 2023413468	2023415881	2022488081
<b><u>F16K 37 /-</u></b>	<b><u>F24F 8 /-</u></b>	<b><u>F42D 3 /-</u></b>	<b><u>G01S 15 /-</u></b>	<b><u>G03B 15 /-</u></b>	<b><u>G06Q 50 /-</u></b>
2023403254	2023386327	2024209011	2023391406 2023411094 2023411095	2023409955	2022488080
<b><u>F16L 1 /-</u></b>	<b><u>F25B 1 /-</u></b>	<b><u>F42D 5 /-</u></b>	<b><u>G01S 5 /-</u></b>	<b><u>G05B 13 /-</u></b>	<b><u>G06T 1 /-</u></b>
2023404987	2023405933 2023408817	2024209742	2023372649	2023405270 2024361201	2023413573
<b><u>F16L 33 /-</u></b>	<b><u>F25B 13 /-</u></b>	<b><u>G01C 21 /-</u></b>	<b><u>G01S 7 /-</u></b>	<b><u>G05D 1 /-</u></b>	<b><u>G06T 17 /-</u></b>
2023377425	2023405933 2023408817	2023381184 2023409345 2023411095	2023391406 2023411094 2023411095	2022490883 2023372649	2023368630
<b><u>F16L 55 /-</u></b>	<b><u>F25B 47 /-</u></b>	<b><u>G01F 1 /-</u></b>	<b><u>G01S 5 /-</u></b>	<b><u>G05D 7 /-</u></b>	<b><u>G06T 19 /-</u></b>
2023376674 2023376676	2023408817	2024361198	2023372649	2024361198	2023368630
<b><u>F17C 1 /-</u></b>	<b><u>F25D 17 /-</u></b>	<b><u>G01F 25 /-</u></b>	<b><u>G01S 5 /-</u></b>	<b><u>G06F 1 /-</u></b>	<b><u>G06T 7 /-</u></b>
2023375209	2023399659	2024361198	2023372649	2023425494	2023374325
<b><u>F17C 11 /-</u></b>	<b><u>F25D 29 /-</u></b>	<b><u>G01G 19 /-</u></b>	<b><u>G01S 7 /-</u></b>	<b><u>G06F 12 /-</u></b>	<b><u>G06V 20 /-</u></b>
2023385528	2023399659	2023385541	2023391406 2023411094	2023390244 2023390247 2023413573	2023409345
<b><u>F17C 9 /-</u></b>	<b><u>F25D 3 /-</u></b>	<b><u>G01H 17 /-</u></b>	<b><u>G01T 1 /-</u></b>	<b><u>G06F 17 /-</u></b>	<b><u>G07F 7 /-</u></b>
2023381184	2023367370	2023410991	2024233114	2024354213	2024219236
<b><u>F21S 8 /-</u></b>	<b><u>F27B 15 /-</u></b>	<b><u>G01H 9 /-</u></b>	<b><u>G01V 1 /-</u></b>	<b><u>G06F 18 /-</u></b>	<b><u>G08B 13 /-</u></b>
2023372976 2023372991	2023407133	2023410991	2022407807 2023406326 2023411094 2023411095 2023413528 2023413532 2023413536 2023413570 2023413573 2023413574 2023413577 2023413580	2024354213	2023411585
<b><u>F21S 9 /-</u></b>	<b><u>F28D 1 /-</u></b>	<b><u>G01J 3 /-</u></b>	<b><u>G01V 20 /-</u></b>	<b><u>G06F 21 /-</u></b>	<b><u>G08B 21 /-</u></b>
2023375209	2023375209	2024266854	2023413577	2022484951 2023400689	2023398781
2023372976 2023372991	<b><u>F28D 20 /-</u></b>	<b><u>G01N 1 /-</u></b>	<b><u>G01V 20 /-</u></b>	<b><u>G06F 30 /-</u></b>	<b><u>G09B 19 /-</u></b>
<b><u>F24F 1 /-</u></b>	2023375209 2023385528	2023394134 2024361198	2023413577	2023401006 2023410188	2023400140
2023367370	<b><u>F28D 9 /-</u></b>	<b><u>G01N 15 /-</u></b>	<b><u>G01V 20 /-</u></b>	<b><u>G06F 30 /-</u></b>	<b><u>G09F 13 /-</u></b>
<b><u>F24F 11 /-</u></b>	2023375209	2023389234	2023413577	2023402567	2023373589
2023404328 2023405933	<b><u>F28F 1 /-</u></b>	<b><u>G01N 21 /-</u></b>	2023413577		<b><u>G09G 5 /-</u></b>
	2023416284	2023374325 2023380541 2024266854			2023410188

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2023409608	<b><u>H01M 8 /-</u></b>	<b><u>H02J 3 /-</u></b>	2023370446
<b><u>G10L 19 /-</u></b>	2023388178	2023420515	<b><u>H04W 4 /-</u></b>
2023388391	2023389305	<b><u>H02J 7 /-</u></b>	2022484951
<b><u>G16C 99 /-</u></b>	2023395363	2022491224	2023412944
2023388180	2023402207	<b><u>H02J 9 /-</u></b>	<b><u>H04W 48 /-</u></b>
<b><u>G16H 10 /-</u></b>	2023409168	2023420515	2024207664
2023400689	2023409174	<b><u>H02K 1 /-</u></b>	<b><u>H04W 52 /-</u></b>
<b><u>G16H 20 /-</u></b>	2023410979	2023406200	2023370629
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2023414959	2023411712	2023406200	<b><u>H04W 56 /-</u></b>
<b><u>G16H 40 /-</u></b>	2023415640	<b><u>H04B 1 /-</u></b>	2024223468
2022488081	2023424451	2023385692	<b><u>H04W 60 /-</u></b>
<b><u>G16H 50 /-</u></b>	<b><u>H01Q 1 /-</u></b>	<b><u>H04B 10 /-</u></b>	2024207664
2023397321	2023385692	2023411585	<b><u>H04W 72 /-</u></b>
2023401396	2023401612	<b><u>H04B 13 /-</u></b>	2023375014
2023425759	<b><u>H01Q 19 /-</u></b>	2023411585	2023381847
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2023425759	<b><u>H01Q 23 /-</u></b>	2023405295	2023388180
<b><u>G21F 3 /-</u></b>	2023401612	2024223468	<b><u>H05B 6 /-</u></b>
2024233114	<b><u>H01Q 25 /-</u></b>	<b><u>H04L 5 /-</u></b>	2023388180
<b><u>G21F 7 /-</u></b>	<b><u>H01Q 5 /-</u></b>	2023370455	2023414978
2023373587	2023401612	2023381847	<b><u>H05K 7 /-</u></b>
2023373588	<b><u>H01R 13 /-</u></b>	<b><u>H04L 69 /-</u></b>	2023385155
2023373589	2023407332	2023389018	2023425494
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2023373588	2023389393	2023394018	2023407332
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2023413379	2023413468	2023388391	
<b><u>H01M 10 /-</u></b>	<b><u>H02H 9 /-</u></b>	<b><u>H04S 7 /-</u></b>	
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2023375209	<b><u>H02J 1 /-</u></b>	<b><u>H04W 12 /-</u></b>	
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2023397412	<b><u>H02J 1 /-</u></b>	<b><u>H04W 24 /-</u></b>	
2024290604	<b><u>H02J 15 /-</u></b>	2023412944	
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2023397412			
<b><u>H01M 50 /-</u></b>			
2022491224			

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*A61M 60/135* ( 2021.01 )  
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 (54) Ocular implant with pressure sensor and delivery system  
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*F28D 7/08* ( 2006.01 )  
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*A61N 5/10* ( 2006.01 )  
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*A61P 35/00* ( 2006.01 )  
*C07D 401/14* ( 2006.01 )  
*C07D 403/12* ( 2006.01 )  
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*H04M 1/725* ( 2021.01 )  
*H04W 88/02* ( 2009.01 )  
*H04W 92/18* ( 2009.01 )

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*C21B 13/00* ( 2006.01 )  
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*D01D 5/22* ( 2006.01 )  
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CO., LTD RESEARCH INSTITUTE;  
CHINA MOBILE COMMUNICATIONS  
GROUP CO., LTD.

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METHOD AND APPARATUS, AND RE-  
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DIUM

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GROUP CO., LTD. see CHINA MOBILE  
COMMUNICATION CO., LTD RESEARCH  
INSTITUTE

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Ltd.

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SYSTEM AND METHOD, ELECTRON-  
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acid riboside, nicotinamide mononuc-  
leotide, and nicotinoyl compound deriv-  
atives in infant formula

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BOILEAU, Amy  
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plane in a SDWAN architecture

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Same, and Package Including Said Set  
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Brownhill, James  
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housings; features; components; and,  
methods  
(51) Int. Cl.  
*B01D 46/00* ( 2022.01 )  
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 (74) Patent Attorney Services

(71) FMC CORPORATION  
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 (51) Int. Cl.  
*C07D 207/277* ( 2006.01 )  
*A01N 43/36* ( 2006.01 )  
*A01N 43/40* ( 2006.01 )  
*A01N 43/48* ( 2006.01 )  
*A01N 43/50* ( 2006.01 )  
*A01N 43/76* ( 2006.01 )  
*C07D 401/04* ( 2006.01 )  
*C07D 401/12* ( 2006.01 )  
*C07D 403/04* ( 2006.01 )  
*C07D 403/12* ( 2006.01 )  
*C07D 407/04* ( 2006.01 )  
*C07D 407/12* ( 2006.01 )  
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 (72) SATTERFIELD, Andrew Duncan; SELBY, Thomas Paul; TRAVIS, David Andrew; PATEL, Kanu Maganbhai; TAGGI, Andrew Edmund  
 (74) Oxygene IP

(71) FRANKIE4 IP 1 Pty Ltd  
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 (21) 2020320454 (22) 31.07.2020  
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 (51) Int. Cl.  
*A43B 7/14* ( 2006.01 )  
*A43B 3/14* ( 2006.01 )  
*A43B 7/16* ( 2006.01 )  
*A43B 21/32* ( 2006.01 )  
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 (43) 04.02.2021  
 (44) 12.06.2025  
 (72) HAIRE, Caroline Rose  
 (74) MBIP

(71) FUJIFILM Irvine Scientific, Inc.  
 (11) AU-B-2024200370  
 (21) 2024200370 (22) 19.01.2024  
 (54) VENTING SYSTEM FOR A MIXING APPARATUS  
 (51) Int. Cl.  
*B01D 61/20* ( 2006.01 )  
*A61L 2/00* ( 2006.01 )  
*B01D 19/00* ( 2006.01 )  
*B01D 36/00* ( 2006.01 )  
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**(74)** Griffith Hack

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**(11)** AU-B-2023262177  
**(21)** 2023262177 **(22)** 27.04.2023  
**(54)** PROCESS FOR THE RECOVERY OF PLATINUM FROM SPENT PLATINUM-CONTAINING SOLID RESIDUES  
**(51)** Int. Cl.  
**C22B 3/10** ( 2006.01 )  
**C22B 3/14** ( 2006.01 )  
**C22B 3/16** ( 2006.01 )  
**C22B 3/44** ( 2006.01 )  
**C22B 7/00** ( 2006.01 )  
**C22B 11/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61K 33/14** ( 2006.01 )  
**A61K 31/191** ( 2006.01 )  
**A61K 31/195** ( 2006.01 )  
**A61P 17/04** ( 2006.01 )  
**A61P 23/02** ( 2006.01 )  
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**(74)** Davies Collison Cave Pty Ltd

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**C07K 16/28** ( 2006.01 )  
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**(21)** 2021219668 **(22)** 09.02.2021  
**(54)** Antibodies and fusion proteins that bind to CCR8 and uses thereof  
**(51)** Int. Cl.  
**A61P 35/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd

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**(54)** TETRACYCLIC COMPOUNDS FOR THE TREATMENT OF ZIKA VIRUS INFECTION  
**(51)** Int. Cl.  
**C07D 493/06** ( 2006.01 )  
**A61K 31/352** ( 2006.01 )  
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**A61P 31/14** ( 2006.01 )  
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**(43)** 24.11.2022  
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**(74)** FPA Patent Attorneys Pty Ltd

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**(54)** Extended release formulations of cannabinoids  
**(51)** Int. Cl.  
**A61K 9/16** ( 2006.01 )  
**A61K 31/05** ( 2006.01 )  
**A61K 31/352** ( 2006.01 )  
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**(74)** Davies Collison Cave Pty Ltd

**(71)** GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.  
**(11)** AU-B-2021415070  
**(21)** 2021415070 **(22)** 10.06.2021  
**(54)** LOAD SENSOR CALIBRATION METHOD AND APPARATUS, AND COMPUTER-READABLE STORAGE MEDIUM  
**(51)** Int. Cl.  
**G01L 25/00** ( 2006.01 )  
**F03D 17/00** ( 2016.01 )  
**G06F 18/00** ( 2023.01 )  
**G06F 18/214** ( 2023.01 )  
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**(11)** AU-B-2020353988  
**(21)** 2020353988 **(22)** 08.07.2020  
**(54)** Photovoltaic air conditioning system startup method, controller, and photovoltaic air conditioning system  
**(51)** Int. Cl.  
**H02J 3/38** ( 2006.01 )  
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**(72)** QU, Dongrui; CHEN, Ningning; WEN, Wu; YU, Xianqiao; XIAO, Zunhui  
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**(11)** AU-B-2024201526  
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**(54)** Anti-slip fastener remover tool  
**(51)** Int. Cl.  
**B25B 23/10** ( 2006.01 )  
**B25B 13/06** ( 2006.01 )  
**B25B 15/00** ( 2006.01 )  
**(43)** 28.03.2024  
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**(72)** KUKUCKA, Paul; KUKUCKA, Thomas Stefan  
**(74)** A.P.T. Patent and Trade Mark Attorneys

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**(51)** Int. Cl.  
**H04L 1/18** ( 2006.01 )  
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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 (51) Int. Cl.  
     **B66F 11/04** ( 2006.01 )  
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     **B60K 6/46** ( 2007.10 )  
     **B60L 50/15** ( 2019.01 )  
     **B60L 50/61** ( 2019.01 )  
     **B66F 9/075** ( 2006.01 )  
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(71) HITACHI, LTD.  
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 (74) Davies Collison Cave Pty Ltd

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     **G06T 19/00** ( 2011.01 )  
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 (51) Int. Cl.  
     **A61P 33/00** ( 2006.01 )  
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     **A61K 9/00** ( 2006.01 )  
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 (74) AUSTRALASIA IP PTY LTD

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 (51) Int. Cl.  
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     **H01H 31/02** ( 2006.01 )  
     **H01H 33/04** ( 2006.01 )  
     **H01H 33/59** ( 2006.01 )  
     **H01H 33/66** ( 2006.01 )  
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 (72) RHEIN, David; LOUCKS, Nathan Scot  
 (74) Griffith Hack

(71) Hummingbird Bioscience Pte. Ltd.  
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 (51) Int. Cl.  
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     **A61K 39/395** ( 2006.01 )  
     **A61P 35/00** ( 2006.01 )  
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 (74) FB Rice Pty Ltd

(71) HUNAN SANY MEDIUM TONNAGE HOISTING MACHINERY CO., LTD.  
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 (54) CRANE HYDRAULIC CONTROL SYSTEM AND CRANE  
 (51) Int. Cl.  
     **B66C 13/20** ( 2006.01 )  
     **B66C 23/82** ( 2006.01 )  
     **B66C 23/86** ( 2006.01 )  
     **F15B 13/02** ( 2006.01 )  
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 (72) ZOU, Yanhu; ZOU, Xinglong; ZHOU, Liyun  
 (74) Madderns Pty Ltd

(71) Hunter Douglas Industries B.V.  
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 (54) Elongate mounting structure and mounting unit comprising the same for mounting an architectural covering between opposing mounting surfaces  
 (51) Int. Cl.  
     **E06B 9/266** ( 2006.01 )  
     **E06B 9/322** ( 2006.01 )  
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 (72) Bohlen, Jörg; Vangberg-Brinkmann, Katharina  
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 (11) AU-B-2022308860  
 (21) 2022308860 (22) 08.07.2022  
 (54) METHOD AND SYSTEM FOR PERFORMING ORE PRE-DRESSING ON BASIS OF HIERARCHICAL ARRAY-TYPE INTELLIGENT DRESSING  
 (51) Int. Cl.  
     **B07C 5/346** ( 2006.01 )

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**B02C 23/22** ( 2006.01 )  
**B07B 9/00** ( 2006.01 )  
**B07C 5/36** ( 2006.01 )  
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**(31)** 202110774607.5 **(32)** 08.07.21 **(33)** CN  
**(43)** 12.01.2023  
**(44)** 12.06.2025  
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**(74)** Peng Zhang

**(71)** HUZHOU HONEST INTELLIGENT TECHNOLOGY CO., LTD.  
**(11)** AU-B-2022306162  
**(21)** 2022306162 **(22)** 08.07.2022  
**(54)** THRESHOLD-BASED DYNAMIC ADJUSTMENT AND INTELLIGENT SORTING METHOD AND SYSTEM  
**(51)** Int. Cl.  
**B07C 5/346** ( 2006.01 )  
**B02C 21/00** ( 2006.01 )  
**B02C 23/14** ( 2006.01 )  
**B07C 5/36** ( 2006.01 )  
**(87)** WO2023/280299  
**(31)** 202110774603.7 **(32)** 08.07.21 **(33)** CN  
**(43)** 12.01.2023  
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**(72)** GUO, Jin; TONG, Xiaolei  
**(74)** Peng Zhang

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**(11)** AU-B-2023204192  
**(21)** 2023204192 **(22)** 30.06.2023  
**(54)** ANTIBODIES BINDING PD-1 AND USES THEREOF  
**(51)** Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**C07K 14/705** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**(43)** 03.08.2023  
**(44)** 12.06.2025  
**(62)** 2019255515  
**(72)** CHEN, Mingjiu; TAN, Wei  
**(74)** Madderns Pty Ltd

**(71)** Imperial College Innovations Limited  
**(11)** AU-B-2019226713  
**(21)** 2019226713 **(22)** 28.02.2019  
**(54)** Transduction and expansion of cells  
**(51)** Int. Cl.  
**C12N 5/0783** ( 2010.01 )  
**(87)** WO2019/166817  
**(31)** 1803376.1 **(32)** 01.03.18 **(33)** GB  
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**(74)** Davies Collison Cave Pty Ltd

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**(21)** 2018368541

**(71)** Innospec Limited  
**(11)** AU-B-2020217893  
**(21)** 2020217893 **(22)** 31.01.2020  
**(54)** Polymeric materials

**(51)** Int. Cl.  
**C08F 2/00** ( 2006.01 )  
**B01J 19/00** ( 2006.01 )  
**C08F 2/01** ( 2006.01 )  
**(87)** WO2020/161472  
**(31)** 1901494.3 **(32)** 04.02.19 **(33)** GB  
**(43)** 13.08.2020  
**(44)** 12.06.2025  
**(72)** WATERSON, Carl; HAYTON, Richard David; MCROBBIE, Ian Malcolm  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Inno-Sports Co., Ltd  
**(11)** AU-B-2023226634  
**(21)** 2023226634 **(22)** 04.09.2023  
**(54)** BLOW-MOLDED UNITARY STRUCTURE WITH ENHANCED STRENGTH  
**(51)** Int. Cl.  
**B29D 7/00** ( 2006.01 )  
**A47B 13/00** ( 2006.01 )  
**A47B 13/08** ( 2006.01 )  
**B29C 49/00** ( 2006.01 )  
**B32B 3/30** ( 2006.01 )  
**B29L 31/44** ( 2006.01 )  
**(43)** 21.09.2023  
**(44)** 12.06.2025  
**(62)** 2022201505  
**(72)** Choi, Kwan Jun  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Janssen Biotech, Inc.  
**(11)** AU-B-2021257662  
**(21)** 2021257662 **(22)** 13.04.2021  
**(54)** Pharmaceutical composition for oral administration comprising aminopyrimidine derivative or pharmaceutically acceptable salt, hydrate, or solvate thereof  
**(51)** Int. Cl.  
**A61K 9/20** ( 2006.01 )  
**A61K 31/5377** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(87)** WO2021/209893  
**(31)** 63/009,623 **(32)** 14.04.20 **(33)** US  
 63/014,277 23.04.20 US  
**(43)** 21.10.2021  
**(44)** 12.06.2025  
**(72)** MAXIMILIEN, Jacqueline; RAJAN, Gopal  
**(74)** Spruson & Ferguson

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**(21)** 2023258335

**Jinko Solar Co., Ltd. see Zhejiang Jinko Solar Co., Ltd.**  
**(21)** 2024201761

**(71)** JINKO SOLAR CO., LTD.  
**(11)** AU-B-2023206083  
**(21)** 2023206083 **(22)** 17.07.2023  
**(54)** SOLAR CELL, MANUFACTURING METHOD THEREOF, AND PHOTO-VOLTAIC MODULE

**(51)** Int. Cl.  
**H10F 77/00** ( 2025.01 )  
**H01L 21/28** ( 2006.01 )  
**H10F 77/20** ( 2025.01 )  
**(43)** 10.08.2023  
**(44)** 12.06.2025  
**(62)** 2022202922  
**(72)** QU, Jiahua; JIN, Jingsheng; ZHANG, Linan  
**(74)** Franke Hyland Pty Ltd

**(71)** Joy Global Underground Mining LLC  
**(11)** AU-B-2023202048  
**(21)** 2023202048 **(22)** 04.04.2023  
**(54)** Cutting device with wear elements  
**(51)** Int. Cl.  
**B28D 1/12** ( 2006.01 )  
**E21C 25/00** ( 2006.01 )  
**E21C 25/06** ( 2006.01 )  
**E21C 25/16** ( 2006.01 )  
**E21C 25/18** ( 2006.01 )  
**E21C 27/24** ( 2006.01 )  
**E21C 35/00** ( 2006.01 )  
**E21C 35/24** ( 2006.01 )  
**E21D 9/10** ( 2006.01 )  
**E21D 9/11** ( 2006.01 )  
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**(74)** Griffith Hack

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**C07K 16/46** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61K 49/16** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**C12N 1/15** ( 2006.01 )  
**C12N 1/19** ( 2006.01 )  
**C12N 1/21** ( 2006.01 )  
**C12N 5/10** ( 2006.01 )  
**C12N 15/13** ( 2006.01 )  
**C12N 15/61** ( 2006.01 )  
**C12P 21/08** ( 2006.01 )  
**G01N 33/53** ( 2006.01 )

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     F02K 9/08 ( 2006.01 )  
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     ceiver  
 (51) Int. Cl.  
     H04L 1/00 ( 2006.01 )  
     H04L 27/10 ( 2006.01 )  
     H04L 27/26 ( 2006.01 )  
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     battery endpoint  
 (51) Int. Cl.  
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 (74) GLMR

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 (51) Int. Cl.  
     D06F 29/00 ( 2006.01 )  
     D06F 37/04 ( 2006.01 )  
     D06F 37/22 ( 2006.01 )  
     D06F 39/12 ( 2006.01 )  
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     Sangho  
 (74) Dentons Patent Attorneys Australasia  
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 (54) Refrigerator  
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     F25D 23/02 ( 2006.01 )  
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 (54) Clothes treating apparatus  
 (51) Int. Cl.  
     D06F 39/04 ( 2006.01 )  
     D06F 37/12 ( 2006.01 )  
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     D06F 37/40 ( 2006.01 )  
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     B01L 3/00 ( 2006.01 )  
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     of  
 (51) Int. Cl.  
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     A23B 7/154 ( 2006.01 )  
     A23B 7/157 ( 2006.01 )  
     A23B 7/16 ( 2006.01 )  
     A23L 19/00 ( 2016.01 )  
     A23L 33/10 ( 2016.01 )  
     A23P 20/10 ( 2016.01 )  
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 (54) FLOW BATTERY WITH A DYNAMIC  
     FLUIDIC NETWORK  
 (51) Int. Cl.  
     H01M 8/04186 ( 2016.01 )  
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     H01M 8/18 ( 2006.01 )  
     H01M 8/20 ( 2006.01 )  
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     S.; HAMEL, Jonathan; DUFFEY, Kean,  
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 (54) FLOW BATTERY WITH A DYNAMIC  
     FLUIDIC NETWORK  
 (51) Int. Cl.  
     H01M 8/04186 ( 2016.01 )  
     H01M 8/04276 ( 2016.01 )  
     H01M 8/18 ( 2006.01 )  
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     HAMEL, Jonathan; DUFFEY, Kean;  
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 (11) AU-B-2022266164  
 (21) 2022266164 (22) 22.04.2022  
 (54) MEDICAL OPTICAL FIBER WITH  
     PROTECTIVE TIP ENCAPSULATION  
 (51) Int. Cl.  
     G02B 6/24 ( 2006.01 )  
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(51) Int. Cl.  
A01D 41/14 ( 2006.01 )  
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A61B 34/30 ( 2016.01 )  
A61B 17/16 ( 2006.01 )  
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(54) METHOD FOR REMOVING DISSOLVED ORGANIC SUBSTANCES IN LIQUIDS USING A SUPERFINE ADSORBENT, AND MEANS FOR CARRYING OUT THE METHOD  
(51) Int. Cl.  
C02F 1/28 ( 2023.01 )  
C02F 1/00 ( 2023.01 )  
C02F 1/52 ( 2023.01 )  
C02F 101/30 ( 2006.01 )  
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(51) Int. Cl.  
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(54) CENTRAL APNEA DETECTION  
(51) Int. Cl.  
A61B 5/053 ( 2021.01 )  
A61B 5/00 ( 2006.01 )  
A61B 5/08 ( 2006.01 )  
G16H 15/00 ( 2018.01 )  
G16H 20/30 ( 2018.01 )  
G16H 40/63 ( 2018.01 )  
G16H 50/20 ( 2018.01 )  
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A61B 5/00 ( 2006.01 )  
A61B 5/287 ( 2021.01 )  
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A61N 1/365 ( 2006.01 )  
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(11) AU-B-2024202657  
(21) 2024202657 (22) 24.04.2024  
(54) Protection System for Laser Cutting Machine  
(51) Int. Cl.  
B23K 26/18 ( 2006.01 )  
(43) 16.05.2024  
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(74) AJ Pietras IP Limited

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(54) Relative spatial localization of mobile devices  
(51) Int. Cl.  
G06T 19/00 ( 2011.01 )  
G01S 5/00 ( 2006.01 )  
H04W 4/02 ( 2018.01 )  
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(72) POLLEFEYS, Marc Andre Leon  
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(21) 2022304254

(71) MJNN, LLC  
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(54) Closing apparatus for use with a multi-piece, hinged, hydroponic tower  
(51) Int. Cl.  
A01G 31/06 ( 2006.01 )  
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 Thomas; MALONE, Maria; OLSON,  
 Anna; KLEIN, Brice; HASOON, Tamara;  
 JENKINS, Merritt; DUBEL, Andy  
**(74)** Spruson & Ferguson

**(71)** Monash University  
**(11)** AU-B-2018224391  
**(21)** 2018224391 **(22)** 27.02.2018  
**(54)** CXCR2 antibodies and uses thereof  
**(51)** Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61P 29/00* ( 2006.01 )  
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 Michel  
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**(21)** 2019210680 **(22)** 02.08.2019  
**(54)** A FUNNEL  
**(51)** Int. Cl.  
*B65B 39/00* ( 2006.01 )  
*B67C 11/00* ( 2006.01 )  
*B67C 11/02* ( 2006.01 )  
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**(72)** Newton, Manvell  
**(74)** Wynnes Patent and Trade Mark Attor-  
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**(71)** Noción Therapeutics, Inc.  
**(11)** AU-B-2020237474  
**(21)** 2020237474 **(22)** 11.03.2020  
**(54)** Charged ion channel blockers and  
 methods for use  
**(51)** Int. Cl.  
*C07D 213/04* ( 2006.01 )  
*A61K 31/519* ( 2006.01 )  
*A61K 31/5377* ( 2006.01 )  
*A61K 31/5386* ( 2006.01 )  
**(87)** WO2020/185881  
**(31)** 62/816,441 **(32)** 11.03.19 **(33)** US  
 62/931,599 06.11.19 US  
**(43)** 17.09.2020  
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**(72)** COLE, Bridget McCarthy; ELLIS,  
 James Lamond  
**(74)** RnB IP Pty Ltd

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**(21)** 2021438879 **(22)** 30.03.2021  
**(54)** HARQ PROCESS SELECTION  
**(51)** Int. Cl.  
*H04W 72/12* ( 2023.01 )

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**(43)** 06.10.2022  
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**(72)** KUO, Ping-Heng; WU, Chunli; LI, Zexi-  
 an; MALDONADO, Roberto  
**(74)** Spruson & Ferguson

**(71)** NORTHROP GRUMMAN SYSTEMS  
 CORPORATION  
**(11)** AU-B-2023257216  
**(21)** 2023257216 **(22)** 10.04.2023  
**(54)** ATOMIC OPTICAL REFERENCE SYS-  
 TEM  
**(51)** Int. Cl.  
*H03L 7/26* ( 2006.01 )  
*H01S 1/06* ( 2006.01 )  
*H01S 5/06* ( 2006.01 )  
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**(31)** 63/332,095 **(32)** 18.04.22 **(33)** US  
 18/297,886 10.04.23 US  
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 an; LEBEDEV, Vyacheslav  
**(74)** GLMR

**(71)** Northwestern University  
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**(21)** 2020212054 **(22)** 24.01.2020  
**(54)** Gene therapy treatment of atrial fibrilla-  
 tion  
**(51)** Int. Cl.  
*C12N 15/113* ( 2010.01 )  
*A61K 31/713* ( 2006.01 )  
*A61K 38/17* ( 2006.01 )  
*C12N 15/11* ( 2006.01 )  
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**(43)** 30.07.2020  
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**(72)** ARORA, Rishi  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Northwestern University  
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**(54)** Bone-promoting thermoresponsive  
 macromolecules  
**(51)** Int. Cl.  
*A61K 31/33* ( 2006.01 )  
*A61L 15/18* ( 2006.01 )  
*A61L 31/16* ( 2006.01 )  
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 onospora farinosa races 8, 9, 11, 13  
 and 16  
**(51)** Int. Cl.

*A01H 5/12* ( 2018.01 )  
*A01H 1/04* ( 2006.01 )  
*C12Q 1/6895* ( 2018.01 )  
**(87)** WO2019/145447  
**(31)** 18153717.6 **(32)** 26.01.18 **(33)** EP  
**(43)** 01.08.2019  
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 Robert Johannes Martinus  
**(74)** Davies Collison Cave Pty Ltd

**(71)** NUOVO PIGNONE TECNOLOGIE -  
 S.R.L.  
**(11)** AU-B-2022326734  
**(21)** 2022326734 **(22)** 04.08.2022  
**(54)** OPTIMIZED ARRANGEMENT OF A  
 MID SCALE LIQUIFIED NATURAL  
 GAS PRODUCTION UNIT  
**(51)** Int. Cl.  
*F25J 1/00* ( 2006.01 )  
*F25J 1/02* ( 2006.01 )  
**(87)** WO2023/016667  
**(31)** 102021000021827 **(32)** 12.08.21 **(33)** IT  
**(43)** 16.02.2023  
**(44)** 12.06.2025  
**(72)** STALLMANN, Olaf; MENICHETTI,  
 Damiano; BENEDETTI, Daniele  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** O-Innovations Ltd.  
**(11)** AU-B-2019336282  
**(21)** 2019336282 **(22)** 12.08.2019  
**(54)** Omnidirectional generating device  
**(51)** Int. Cl.  
*F03D 1/02* ( 2006.01 )  
*F03D 1/06* ( 2006.01 )  
*F03D 3/02* ( 2006.01 )  
*F03D 3/06* ( 2006.01 )  
**(87)** WO2020/047685  
**(31)** 2529-2018 **(32)** 04.09.18 **(33)** CL  
**(43)** 12.03.2020  
**(44)** 12.06.2025  
**(72)** ORELLANA OLGUÍN, Nicolás Gonzalo  
**(74)** Spruson & Ferguson

**(71)** Orega Biotech SAS; Innate Pharma  
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**(54)** Potentiating the effect of ATP release  
**(51)** Int. Cl.  
*C07K 16/40* ( 2006.01 )  
*A61K 31/282* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
**(87)** WO2019/096900  
**(31)** 62/733,175 **(32)** 19.09.18 **(33)** US  
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**(43)** 23.05.2019  
**(44)** 12.06.2025  
**(72)** CHANTEUX, Stéphanie; GOURDIN,  
 Nicolas; PATUREL, Carine; PERROT,  
 Ivan; ROSSI, Benjamin  
**(74)** Blue Penguin IP Ltd

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(71) Oxford Nanopore Technologies plc  
 (11) AU-B-2019274927  
 (21) 2019274927 (22) 08.05.2019  
 (54) Nanopore array with electrode connectors protected from electrostatic discharge  
 (51) Int. Cl.  
**G01N 33/487** ( 2006.01 )  
**B01L 3/00** ( 2006.01 )  
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 (31) 1808566.2 (32) 24.05.18 (33) GB  
 (43) 28.11.2019  
 (44) 12.06.2025  
 (72) WATERMAN, David  
 (74) James & Wells Intellectual Property

(71) Peking University; EdiGene Therapeutics (Beijing) Inc.  
 (11) AU-B-2023202184  
 (21) 2023202184 (22) 11.04.2023  
 (54) Methods and Compositions for Editing RNAs  
 (51) Int. Cl.  
**C12N 15/113** ( 2010.01 )  
**A61K 31/712** ( 2006.01 )  
**C12N 15/10** ( 2006.01 )  
**C12N 15/11** ( 2006.01 )  
 (43) 04.05.2023  
 (44) 12.06.2025  
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 (72) Wei, Wensheng; Qu, Liang; Yi, Zongyi; Zhu, Shiyou; Wang, Chunhui; Cao, Zhongzheng; Zhou, Zhuo; Yuan, Pengfei  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) PELL Bio-Med Technology Co., Ltd.  
 (11) AU-B-2023214249  
 (21) 2023214249 (22) 08.08.2023  
 (54) METHOD FOR PRODUCING HUMAN CHIMERIC ANTIGEN RECEPTOR T-CELL POPULATION ENRICHED WITH STEM CELL-LIKE MEMORY T-CELLS  
 (51) Int. Cl.  
**C12N 5/0783** ( 2010.01 )  
**C12N 5/10** ( 2006.01 )  
**C12N 15/867** ( 2006.01 )  
 (31) 111142071 (32) 03.11.22 (33) TW  
 (43) 23.05.2024  
 (44) 12.06.2025  
 (72) Lin, Chien-Ting; Lin, Chen-Lung; Lai, Yi-Hui; Lin, Xuan-Hui; Tung, Tzu-Hsun  
 (74) Madderns Pty Ltd

(71) Polaris IP Pty Ltd  
 (11) AU-B-2021221705  
 (21) 2021221705 (22) 25.08.2021  
 (54) Hinge  
 (51) Int. Cl.  
**E05D 5/02** ( 2006.01 )  
**E05D 11/00** ( 2006.01 )  
**E05D 11/10** ( 2006.01 )  
**E05F 1/12** ( 2006.01 )  
**E05F 3/20** ( 2006.01 )  
**E05D 3/02** ( 2006.01 )  
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 (43) 05.05.2022

(44) 12.06.2025  
 (72) Stuart, Michael Christopher  
 (74) GLMR

(71) Progenics Pharmaceuticals, Inc.  
 (11) AU-B-2023204237  
 (21) 2023204237 (22) 01.07.2023  
 (54) NETWORK FOR MEDICAL IMAGE ANALYSIS, DECISION SUPPORT SYSTEM, AND RELATED GRAPHICAL USER INTERFACE (GUI) APPLICATIONS  
 (51) Int. Cl.  
**G16H 30/40** ( 2018.01 )  
**A61B 6/03** ( 2006.01 )  
**G06N 20/00** ( 2019.01 )  
**G06T 7/00** ( 2017.01 )  
**G16H 15/00** ( 2018.01 )  
**G16H 50/20** ( 2018.01 )  
**G16H 50/70** ( 2018.01 )  
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 (44) 12.06.2025  
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 (72) Baker, Mark R.  
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

(71) Qualcomm Incorporated  
 (11) AU-B-2023219958  
 (21) 2023219958 (22) 25.08.2023  
 (54) SIGNALING OF ALTERNATIVE MODULATION CODING SCHEMES USING A SCALING FACTOR  
 (51) Int. Cl.  
**H04L 1/00** ( 2006.01 )  
 (43) 14.09.2023  
 (44) 12.06.2025  
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 (72) BAI, Tianyang; JOHN WILSON, Makesh Pravin; VENUGOPAL, Kiran; ISLAM, Muhammad Nazmul; SARKIS, Gabi; SORIAGA, Joseph Binamira; LUO, Tao  
 (74) Madderns Pty Ltd

(71) RC Innovations Pty Ltd  
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 (54) A SCREEN ASSEMBLY  
 (51) Int. Cl.  
**E06B 9/24** ( 2006.01 )  
 (43) 04.07.2019  
 (44) 12.06.2025  
 (72) Brown, Robert  
 (74) Wynnes Patent and Trade Mark Attorneys Pty Ltd

(71) Rearden, LLC  
 (11) AU-B-2023203417  
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 (54) SYSTEMS AND METHODS FOR RADIO FREQUENCY CALIBRATION EXPLOITING CHANNEL RECIPROCITY IN DISTRIBUTED INPUT DISTRIBUTED OUTPUT WIRELESS COMMUNICATIONS  
 (51) Int. Cl.

**H04W 4/00** ( 2018.01 )  
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 (44) 12.06.2025  
 (62) 2021204288  
 (72) Perlman, Stephen G.; Foreza, Antonio; Saibi, Fadi; Pitman, Timothy A.  
 (74) ET Intellectual Property

(71) Remmedy, LLC  
 (11) AU-B-2020214319  
 (21) 2020214319 (22) 30.01.2020  
 (54) Methods and systems using conditioning for pain minimization  
 (51) Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61L 9/00** ( 2006.01 )  
**A61M 21/02** ( 2006.01 )  
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 (31) 62/798,659 (32) 30.01.19 (33) US  
 16/687,738 19.11.19 US  
 (43) 06.08.2020  
 (44) 12.06.2025  
 (72) LAZAROVICH, Mark  
 (74) Spruson & Ferguson

(71) Robel Bahnbaumaschinen GmbH  
 (11) AU-B-2018433553  
 (21) 2018433553 (22) 25.07.2018  
 (54) Vibratory tamping machine for compacting a ballast bed of a track  
 (51) Int. Cl.  
**E01B 27/14** ( 2006.01 )  
 (87) WO2020/020448  
 (43) 30.01.2020  
 (44) 12.06.2025  
 (72) WIDLROITHER, Otto  
 (74) Phillips Ormonde Fitzpatrick

(71) Roquette Freres  
 (11) AU-B-2019393137  
 (21) 2019393137 (22) 04.12.2019  
 (54) Emulsifying composition comprising a water-in-oil emulsifier and a cyclodextrin of selected particle size, capable of providing an oil-in-water emulsion with improved sensory effects for cosmetic use  
 (51) Int. Cl.  
**A61K 8/02** ( 2006.01 )  
**A61K 8/06** ( 2006.01 )  
**A61K 8/34** ( 2006.01 )  
**A61K 8/73** ( 2006.01 )  
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 (31) 18 72344 (32) 05.12.18 (33) FR  
 (43) 11.06.2020  
 (44) 12.06.2025  
 (72) MENTIK, Léon  
 (74) Spruson & Ferguson

(71) SAIPEM S.A.  
 (11) AU-B-2022351638  
 (21) 2022351638 (22) 14.09.2022  
 (54) SUBSEA FACILITY AND METHOD FOR PROCESSING GAS FROM A SUBSEA GAS PRODUCTION FIELD  
 (51) Int. Cl.  
**B01D 45/02** ( 2006.01 )

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**B01D 45/12** ( 2006.01 )  
**B01D 46/00** ( 2022.01 )  
**B01D 50/20** ( 2022.01 )  
**E21B 43/34** ( 2006.01 )  
**E21B 43/36** ( 2006.01 )  
**(87)** WO2023/047041  
**(31)** FR2109979 **(32)** 22.09.21 **(33)** FR  
**(43)** 30.03.2023  
**(44)** 12.06.2025  
**(72)** BLAZQUEZ EGEEA, Christian; RO-  
 LAND, Paul  
**(74)** GLMR

**(71)** Sakura Finetek USA, Inc.  
**(11)** AU-B-2024200066  
**(21)** 2024200066 **(22)** 04.01.2024  
**(54)** Automated staining system and reac-  
 tion chamber  
**(51)** Int. Cl.  
**B01L 3/00** ( 2006.01 )  
**B01L 9/00** ( 2006.01 )  
**G01N 1/31** ( 2006.01 )

**(43)** 25.01.2024  
**(44)** 12.06.2025  
**(62)** 2020417834  
**(72)** SHAH, Amit D.; WEBSTER, Scott;  
 FLORES, Cristina R.; CHENG, Chen  
 Yu; LIN, Chia Hsien; CHUANG, Chih  
 Shun; BOOKER, Nick John; WATKINS,  
 Andrew Douglas; BARTEL, Rebecca  
 Jean; HENDERSON, Chester John;  
 VON BUEREN, Erico; YANG, Michael  
**(74)** Spruson & Ferguson

**(71)** Salk Institute for Biological Studies  
**(11)** AU-B-2019251356  
**(21)** 2019251356 **(22)** 09.04.2019  
**(54)** Oncolytic adenovirus compositions with  
 enhanced replication properties  
**(51)** Int. Cl.  
**C12N 7/01** ( 2006.01 )  
**A61K 35/761** ( 2015.01 )  
**A61P 35/00** ( 2006.01 )

**(87)** WO2019/199859  
**(31)** 62/655,009 **(32)** 09.04.18 **(33)** US  
**(43)** 17.10.2019  
**(44)** 12.06.2025  
**(72)** MIYAKE-STONER, Shigeki; O'SHEA,  
 Clodagh; PARTLO, William; LYMAN,  
 Michael  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Saluda Medical Pty Ltd  
**(11)** AU-B-2019373097  
**(21)** 2019373097 **(22)** 02.11.2019  
**(54)** Characterisation of neurostimulation  
 therapeutic efficacy  
**(51)** Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A61N 1/36** ( 2006.01 )

**(87)** WO2020/087135  
**(31)** 62/754,861 **(32)** 02.11.18 **(33)** US  
**(43)** 07.05.2020  
**(44)** 12.06.2025  
**(72)** PARKER, John Louis; SINGLE, Peter  
 Scott Vallack  
**(74)** Monks IP

**(71)** Samsung Life Public Welfare Founda-  
 tion; Encell Co., Ltd.  
**(11)** AU-B-2021239708  
**(21)** 2021239708 **(22)** 22.01.2021  
**(54)** Pharmaceutical composition, for pre-  
 venting or treating Charcot-Marie-Tooth  
 disorder, comprising mesenchymal  
 stem cells or insulin secreted by mes-  
 enchymal stem cells  
**(51)** Int. Cl.  
**A61K 35/28** ( 2015.01 )  
**A61K 38/28** ( 2006.01 )  
**A61P 25/02** ( 2006.01 )

**(87)** WO2021/187745  
**(31)** 10-2020-0034461 **(32)** 20.03.20 **(33)** KR  
**(43)** 23.09.2021  
**(44)** 12.06.2025  
**(72)** CHANG, Jong Wook; JEON, Hong Bae;  
 PARK, Sang Eon; OH, Shin Ji  
**(74)** FB Rice Pty Ltd

**(71)** Seekyo; Centre National de la Recher-  
 che Scientifique  
**(11)** AU-B-2020268749  
**(21)** 2020268749 **(22)** 06.05.2020  
**(54)** New therapeutic vectors and prodrugs  
 for treating cancers  
**(51)** Int. Cl.  
**C07D 405/14** ( 2006.01 )  
**A61K 31/4025** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )

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**(31)** 19305574.6 **(32)** 06.05.19 **(33)** EP  
**(43)** 12.11.2020  
**(44)** 12.06.2025  
**(72)** PAPOT, Sébastien; RENOUX, Brigitte;  
 CHATRE, Rémi  
**(74)** Davies Collision Cave Pty Ltd

**(71)** Sekisui House, Ltd.  
**(11)** AU-B-2020262609  
**(21)** 2020262609 **(22)** 15.04.2020  
**(54)** Roof panel, roof structure and roof  
 structure construction method  
**(51)** Int. Cl.  
**E04B 7/04** ( 2006.01 )

**(87)** WO2020/218128  
**(31)** 2019-081331 **(32)** 22.04.19 **(33)** JP  
 2020-069480 08.04.20 JP  
**(43)** 29.10.2020  
**(44)** 12.06.2025  
**(72)** SATO, Ryosuke; NAKAGAWA, Takeshi;  
 ASAI, Fukutaro  
**(74)** Spruson & Ferguson

**(71)** SHOEALLS CO., LTD.  
**(11)** AU-B-2022421593  
**(21)** 2022421593 **(22)** 01.11.2022  
**(54)** SELF-GENERATING AND VIBRAT-  
 ING FUNCTIONAL SHOE EQUIPPED  
 WITH GPS DEVICE  
**(51)** Int. Cl.  
**A43B 3/42** ( 2022.01 )  
**A43B 1/00** ( 2006.01 )  
**A43B 3/40** ( 2022.01 )  
**A43B 3/46** ( 2022.01 )

**A43B 3/48** ( 2022.01 )  
**A43B 13/14** ( 2006.01 )  
**A61B 5/11** ( 2006.01 )  
**H02J 7/00** ( 2006.01 )  
**H04W 4/14** ( 2009.01 )  
**(87)** WO2023/120949  
**(31)** 10-2021-0187523 **(32)** 24.12.21 **(33)** KR  
**(43)** 29.06.2023  
**(44)** 12.06.2025  
**(72)** LEE, Cheong Geun; BAE, Byeong Am  
**(74)** LAMINAR IP PTY LTD

**(71)** SI-BONE, Inc.  
**(11)** AU-B-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  
**(44)** 12.06.2025  
**(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.; NISHKI-  
 AN, Kyle L.; POLLY, David W.; VANICH-  
 KACHORN, Jed S.; KRANENBURG,  
 Andy J.; RAJPAL, Sharad S.; RAINOV,  
 Nikolai G.  
**(74)** RnB IP Pty Ltd

**(71)** SMILEBIOTEK ZHUHAI LIMITED  
**(11)** AU-B-2022343302  
**(21)** 2022343302 **(22)** 24.08.2022  
**(54)** METHOD FOR TREATING RETINAL  
 DEGENERATION  
**(51)** Int. Cl.  
**A61K 31/437** ( 2006.01 )  
**A61K 31/05** ( 2006.01 )  
**A61K 31/122** ( 2006.01 )  
**A61K 36/00** ( 2006.01 )  
**A61P 27/02** ( 2006.01 )

**(87)** WO2023/035950  
**(31)** 202111067959.3 **(32)** 13.09.21 **(33)** CN  
**(43)** 16.03.2023  
**(44)** 12.06.2025  
**(72)** WEI, Lai  
**(74)** Madderns Pty Ltd

**(71)** Smith & Nephew, Inc.; Smith & Neph-  
 ew Orthopaedics AG; Smith & Nephew  
 Asia Pacific Pte Limited  
**(11)** AU-B-2021289686  
**(21)** 2021289686 **(22)** 09.06.2021  
**(54)** System and method for harvesting a  
 tendon  
**(51)** Int. Cl.  
**A61B 17/00** ( 2006.01 )  
**A61B 17/02** ( 2006.01 )  
**A61B 17/29** ( 2006.01 )  
**A61B 17/32** ( 2006.01 )  
**A61B 17/3205** ( 2006.01 )

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**(31)** 63/036,562 **(32)** 09.06.20 **(33)** US  
 63/156,187 03.03.21 US  
**(43)** 16.12.2021  
**(44)** 12.06.2025  
**(72)** MCGOVERN, Paul; HOSSEINI, Ali;  
 LIU, Chun; FU, Rick; MACCREADY,  
 Christopher David; KARASIC, Geof-  
 frey Ian; BURGESS, Carrie Deborah;  
 MIRABILE, Belin  
**(74)** Davies Collison Cave Pty Ltd

**Smith & Nephew Asia Pacific Pte Limited**  
 see **Smith & Nephew, Inc.**

**(21)** 2021289686

**Smith & Nephew Orthopaedics AG** see  
**Smith & Nephew, Inc.**

**(21)** 2021289686

**(71)** Stopinski, W.; Gajos- Stopinska, P.  
**(11)** AU-B-2020250907  
**(21)** 2020250907 **(22)** 02.04.2020  
**(54)** Portable data stack holder  
**(51)** Int. Cl.  
**G06F 21/45** ( 2013.01 )  
**G09C 1/04** ( 2006.01 )  
**(87)** WO2020/201466  
**(31)** 1904692.9 **(32)** 03.04.19 **(33)** GB  
**(43)** 08.10.2020  
**(44)** 12.06.2025  
**(72)** STOPINSKI, Wojciech; GAJOS- STOP-  
 INSKA, Paulina  
**(74)** Spruson & Ferguson

**(71)** Stryker European Operations Limited  
**(11)** AU-B-2020317040  
**(21)** 2020317040 **(22)** 22.07.2020  
**(54)** Trauma ultrasound reduction device  
**(51)** Int. Cl.  
**A61B 8/00** ( 2006.01 )  
**A61B 5/107** ( 2006.01 )  
**(87)** WO2021/014211  
**(31)** 62/877,609 **(32)** 23.07.19 **(33)** US  
**(43)** 28.01.2021  
**(44)** 12.06.2025  
**(72)** KEMPER, Jakob; HEEDE, Andreas;  
 KUTTER, Oliver; SIEDENBURG, Clin-  
 ton; STERRANTINO, Peter  
**(74)** IP GATEWAY PATENT & TRADE  
 MARK ATTORNEYS PTY LTD

**(71)** SUNGROW POWER SUPPLY CO.,  
 LTD.  
**(11)** AU-B-2023263509  
**(21)** 2023263509 **(22)** 09.11.2023  
**(54)** Reactor and electrical device  
**(51)** Int. Cl.  
**H01R 12/51** ( 2011.01 )  
**H01R 4/30** ( 2006.01 )  
**H01R 9/24** ( 2006.01 )  
**H01R 12/55** ( 2011.01 )  
**H01R 12/71** ( 2011.01 )  
**H01R 12/91** ( 2011.01 )  
**H01R 13/42** ( 2006.01 )

**H01R 13/74** ( 2006.01 )  
**(31)** 202320513295.7 **(32)** 13.03.23 **(33)** CN  
**(43)** 03.10.2024  
**(44)** 12.06.2025  
**(72)** Jiangling PAN; Chaoling HUANG; Lin  
 CHEN; Fenglei WU  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Sutro Biopharma, Inc.  
**(11)** AU-B-2018333945  
**(21)** 2018333945 **(22)** 17.09.2018  
**(54)** Anti- folate receptor alpha antibody  
 conjugates and their uses  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 47/68** ( 2017.01 )  
**(87)** WO2019/055931  
**(31)** 62/560,064 **(32)** 18.09.17 **(33)** US  
**(43)** 21.03.2019  
**(44)** 12.06.2025  
**(72)** STAFFORD, Ryan; YAM, Alice; LI,  
 Xiaofan; YIN, Gang; KLINE, Toni; AB-  
 RAHAMS, Cristina; DE ALMEIDA, Ven-  
 ita  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** TAO PHARMACEUTICAL (SUZHOU)  
 CO., LTD  
**(11)** AU-B-2020289909  
**(21)** 2020289909 **(22)** 12.06.2020  
**(54)** Antihypertensive polyol compound and  
 derivative thereof  
**(51)** Int. Cl.  
**A61P 9/12** ( 2006.01 )  
**A61K 31/047** ( 2006.01 )  
**C07C 33/18** ( 2006.01 )  
**C07C 33/26** ( 2006.01 )  
**C07C 33/34** ( 2006.01 )  
**C07C 33/36** ( 2006.01 )  
**C07D 309/02** ( 2006.01 )  
**(87)** WO2020/249117  
**(31)** 201910507506.4 **(32)** 12.06.19 **(33)** CN  
**(43)** 17.12.2020  
**(44)** 12.06.2025  
**(72)** LI, Honglin; ZHAO, Zhenjiang; WANG,  
 Rui; SHEN, Yinchu; FU, Jianjun; XU,  
 Yufang; QIAN, Xuhong; JIAO, Qian; LI,  
 Shiliang  
**(74)** Griffith Hack

**(71)** Technologies Avancees et Membranes  
 Industrielles  
**(11)** AU-B-2019386349  
**(21)** 2019386349 **(22)** 26.11.2019  
**(54)** Method for material additive manufac-  
 turing of an inorganic filter support from  
 a hot-melt composition and resulting  
 membrane  
**(51)** Int. Cl.  
**C04B 35/03** ( 2006.01 )  
**C04B 35/101** ( 2006.01 )  
**C04B 35/111** ( 2006.01 )  
**C04B 35/46** ( 2006.01 )  
**C04B 35/48** ( 2006.01 )  
**C04B 35/565** ( 2006.01 )  
**C04B 35/573** ( 2006.01 )  
**C04B 35/632** ( 2006.01 )  
**C04B 38/00** ( 2006.01 )  
**(87)** WO2020/109716

**(31)** 1871952 **(32)** 27.11.18 **(33)** FR  
**(43)** 04.06.2020  
**(44)** 12.06.2025  
**(72)** LESCOCHE, Philippe; ANQUETIL,  
 Jérôme  
**(74)** Spruson & Ferguson

**(71)** TECMEN ELECTRONICS CO., LTD  
**(11)** AU-B-2022253837  
**(21)** 2022253837 **(22)** 07.04.2022  
**(54)** EAR MUFF AND EAR MUFF AS-  
 SEMBLY  
**(51)** Int. Cl.  
**A61F 11/14** ( 2006.01 )  
**(87)** WO2022/214010  
**(31)** 202110381688.2 **(32)** 09.04.21 **(33)** CN  
 202120721250.X 09.04.21 CN  
**(43)** 13.10.2022  
**(44)** 12.06.2025  
**(72)** WU, Ziqian  
**(74)** FB Rice Pty Ltd

**(71)** Telefonaktiebolaget LM Ericsson (Publ)  
**(11)** AU-B-2023214350  
**(21)** 2023214350 **(22)** 11.08.2023  
**(54)** Handling of session context  
**(51)** Int. Cl.  
**H04W 76/19** ( 2018.01 )  
**H04W 36/00** ( 2009.01 )  
**H04W 76/22** ( 2018.01 )  
**(43)** 31.08.2023  
**(44)** 12.06.2025  
**(62)** 2020296142  
**(72)** HALLENSTÄL, Magnus; MIHÁLY, Attila;  
 OLSSON, Magnus  
**(74)** FB Rice Pty Ltd

**(71)** Tencent America LLC  
**(11)** AU-B-2023251442  
**(21)** 2023251442 **(22)** 17.10.2023  
**(54)** Method for parameter set reference in  
 coded video stream  
**(51)** Int. Cl.  
**H04N 11/02** ( 2006.01 )  
**(43)** 09.11.2023  
**(44)** 12.06.2025  
**(62)** 2020412559  
**(72)** CHOI, Byeongdoo; LIU, Shan;  
 WENGER, Stephan  
**(74)** Davies Collison Cave Pty Ltd

**(71)** THALES DIS CPL USA, INC.  
**(11)** AU-B-2022343469  
**(21)** 2022343469 **(22)** 29.08.2022  
**(54)** EXTENSION OF FUNCTIONALITY TO  
 FILESYSTEMS IN CONTAINER OR-  
 CHESTRATION SYSTEMS  
**(51)** Int. Cl.  
**G06F 9/455** ( 2018.01 )  
**G06F 9/445** ( 2018.01 )  
**(87)** WO2023/038817  
**(31)** 63/241,623 **(32)** 08.09.21 **(33)** US  
**(43)** 16.03.2023

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 (72) SANTOS, José R.; BESAGARAHALLI LAKSHMAIAH, Partha Sarathi; PRATT, Steven; MOHAN, Mahesh  
 (74) PHILLIPS ORMONDE FITZPATRICK
- 
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**H10F 77/70** ( 2025.01 )

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**H10F 19/80** ( 2025.01 )  
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<b>2018316343</b>	Genentech, Inc.	<b>2020268749</b>	Seekyo; Centre National de la Recherche Scientifique
<b>2018333945</b>	Sutro Biopharma, Inc.	<b>2020270776</b>	Viking Arm AS
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<b>2018392605</b>	Chase Therapeutics Corporation	<b>2020286979</b>	Manitou BF
<b>2018433553</b>	Robel Bahnbaumaschinen GmbH	<b>2020289909</b>	TAO PHARMACEUTICAL (SUZHOU) CO., LTD
<b>2019203215</b>	CTA Australia Pty Ltd	<b>2020290350</b>	Medtronic, Inc.
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<b>2019274927</b>	Oxford Nanopore Technologies plc	<b>2020337244</b>	Landis+Gyr Technology, Inc.
<b>2019291918</b>	Editas Medicine, Inc.	<b>2020349689</b>	8 Rivers Capital, LLC
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<b>2019307846</b>	Glatt GmbH	<b>2020355109</b>	The Board of Trustees of the Leland Stanford Junior University
<b>2019311265</b>	H-PreC	<b>2020356305</b>	Landis+Gyr Technology, Inc.
<b>2019315786</b>	MJNN, LLC	<b>2020377014</b>	Beijing Tianma Intelligent Control Technology Co., Ltd.; Beijing CCRI-Tianma Automation Technology Co. Ltd.
<b>2019318817</b>	Commonwealth Scientific and Industrial Research Organisation	<b>2020401367</b>	Hover, Inc.
<b>2019328344</b>	Guardant Health, Inc.	<b>2020408002</b>	Expro North Sea Limited
<b>2019332979</b>	ADC Therapeutics SA; MedImmune Limited	<b>2020422276</b>	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
<b>2019334866</b>	Caterpillar Inc.	<b>2021219668</b>	Gilead Sciences, Inc.
<b>2019336282</b>	O-Innovations Ltd.	<b>2021221705</b>	Polaris IP Pty Ltd
<b>2019338284</b>	Caterpillar Inc.	<b>2021228566</b>	Cisco Technology, Inc.
<b>2019342701</b>	Wakonig, M.	<b>2021237677</b>	BRUGG eConnect AG
<b>2019345104</b>	Universiteit Gent	<b>2021239708</b>	Samsung Life Public Welfare Foundation; Encell Co., Ltd.
<b>2019346044</b>	Tranex Roads & Traffic Pty Ltd	<b>2021257662</b>	Janssen Biotech, Inc.
<b>2019358200</b>	Hovione Scientia Limited	<b>2021283380</b>	Xenotherapeutics, Inc.; Alexis Bio, Inc.
<b>2019362029</b>	University of Rochester	<b>2021289686</b>	Smith & Nephew, Inc.; Smith & Nephew Orthopaedics AG; Smith & Nephew Asia Pacific Pte Limited
<b>2019362472</b>	Alcon Inc.	<b>2021291793</b>	Energy Dome S.p.A.
<b>2019362603</b>	CEFALY Technology SPRL	<b>2021409119</b>	CATERPILLAR INC.
<b>2019365255</b>	Viramal Limited	<b>2021412688</b>	TXINNO BIOSCIENCE INC.
<b>2019372140</b>	United States Gypsum Company	<b>2021415070</b>	GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.
<b>2019373097</b>	Saluda Medical Pty Ltd	<b>2021422860</b>	CATERPILLAR INC.
<b>2019382881</b>	Bayer Aktiengesellschaft; Bayer Pharma Aktiengesellschaft	<b>2021438879</b>	NOKIA TECHNOLOGIES OY
<b>2019384118</b>	Amgen Inc.	<b>2021445963</b>	ARCELORMITTAL
<b>2019386349</b>	Technologies Avancees et Membranes Industrielles	<b>2022202639</b>	Astellas Institute for Regenerative Medicine
<b>2019386906</b>	Viramal Limited	<b>2022206477</b>	AGTONOMY
<b>2019392034</b>	Ecopro Innovation Co., Ltd.	<b>2022253837</b>	TECMEN ELECTRONICS CO., LTD
<b>2019393137</b>	Roquette Freres	<b>2022264762</b>	ELI LILLY AND COMPANY
<b>2019393784</b>	Arisan Therapeutics, Inc.	<b>2022266164</b>	LUMENIS LTD.
<b>2019396527</b>	MAKO Surgical Corp.	<b>2022272454</b>	MEDELA HOLDING AG
<b>2019404179</b>	Acurx Pharmaceuticals, LLC	<b>2022277904</b>	GILEAD SCIENCES, INC.
<b>2019409534</b>	ASSA Abloy Entrance Systems AB	<b>2022287565</b>	Chromadex Inc.
<b>2020202037</b>	Capstan Ag Systems, Inc.	<b>2022291595</b>	AstraZeneca AB
<b>2020203640</b>	MacDon Industries Ltd.	<b>2022304254</b>	ASTRAZENECA AB; MITSUBISHI TANABE PHARMA CORPORATION
<b>2020203734</b>	DePuy Synthes Products, Inc.	<b>2022306162</b>	HUZHOU HONEST INTELLIGENT TECHNOLOGY CO., LTD.
<b>2020212054</b>	Northwestern University	<b>2022308860</b>	HUZHOU HONEST INTELLIGENT TECHNOLOGY CO., LTD
<b>2020213641</b>	Laboratoire Reaction Dynamics Inc.	<b>2022325421</b>	UNITEC S.P.A.
<b>2020213886</b>	Haulotte Group	<b>2022326734</b>	NUOVO PIGNONE TECNOLOGIE - S.R.L.
<b>2020214319</b>	Remmedy, LLC	<b>2022327457</b>	CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE; CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.
<b>2020217893</b>	Innospec Limited	<b>2022343302</b>	SMILEBIOTEK ZHUHAI LIMITED
<b>2020219803</b>	The USA, as represented by the Secretary, Department of Health and Human Services; University of Washington	<b>2022343469</b>	THALES DIS CPL USA, INC.
<b>2020236531</b>	YS2 Humus Pty Limited	<b>2022351638</b>	SAIPEM S.A.
<b>2020237474</b>	Nocion Therapeutics, Inc.		
<b>2020240964</b>	LG Energy Solution, Ltd.		
<b>2020241282</b>	Microsoft Technology Licensing, LLC		
<b>2020250907</b>	Stopinski, W.; Gajos- Stopinska, P.		
<b>2020262609</b>	Sekisui House, Ltd.		
<b>2020264822</b>	Malshe, V.		

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2022395767 Mecana AG  
2022415721 TONGWEI SOLAR (HEFEI) CO., LTD.  
2022421216 MEDICAL INFORMATICS CORP.  
2022421593 SHOEALLS CO., LTD.  
2022428222 BEIJING GOLDWIND SCIENCE & CREATION WIND-  
POWER EQUIPMENT CO., LTD.  
2022458327 LOCKHEED MARTIN ENERGY, LLC  
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2023200921 Williams, S.; K&N Engineering, Inc.  
2023201034 FISHER & PAYKEL HEALTHCARE LIMITED  
2023201356 Wiley, W.  
2023202048 Joy Global Underground Mining LLC  
2023202184 Peking University; EdiGene Therapeutics (Beijing) Inc.  
2023202545 Axsome Therapeutics, Inc.  
2023202592 Calico Life Sciences LLC; AbbVie Inc.  
2023202968 LG Electronics Inc.  
2023202975 FMC CORPORATION  
2023203417 Rearden, LLC  
2023203800 BioVentures, LLC  
2023203933 Bausch + Lomb Ireland Limited  
2023204192 Immvira Co., Limited  
2023204237 Progenics Pharmaceuticals, Inc.  
2023206083 JINKO SOLAR CO., LTD.  
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2023214246 BrainChip, Inc.  
2023214249 PELL Bio-Med Technology Co., Ltd.  
2023214350 Telefonaktiebolaget LM Ericsson (Publ)  
2023219958 Qualcomm Incorporated  
2023222925 Galleon Labs LLC  
2023226634 Inno-Sports Co., Ltd  
2023237097 Alcon Inc.  
2023242782 CARNEGIE MELLON UNIVERSITY  
2023251295 HITACHI, LTD.  
2023251442 Tencent America LLC  
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2023285944 Chongqing Changan Automobile Co., Ltd.  
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2023347171 WATER HARVESTING, INC.  
2024200040 Chongqing Changan Automobile Co., Ltd.  
2024200066 Sakura Finetek USA, Inc.  
2024200104 ConocoPhillips Company  
2024200341 Northwestern University  
2024200370 FUJIFILM Irvine Scientific, Inc.  
2024200380 Toyota Jidosha Kabushiki Kaisha; Komatsu Ltd.  
2024200625 Hubbell Incorporated  
2024200821 Donaldson Company, Inc.  
2024201147 LG Electronics Inc.  
2024201304 Trina Solar Co., Ltd  
2024201526 Grip Holdings LLC  
2024201684 LG Electronics Inc.  
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2024202997 The Procter & Gamble Company  
2024203646 Variobend-ASCO GmbH  
2024203873 Apple Inc.  
2024210032 WEIR MINERALS NETHERLANDS B.V.  
2025200606 Lightcast Discovery Ltd  
2025201711 THREE POINTS TECHNOLOGY PTY LTD  
2025203235 SI-BONE, Inc.  
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<b>A01N 43 /-</b>	2023237097	2019358200	2020296297	2020286344	2020278733
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<b>A01P 7 /-</b>	2019396527	2019384118	<b>A61K 48 /-</b>	2020355109	2021257662
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2019358200	2020290350	2020268749	<b>A61K 51 /-</b>	2020286344	2019345104
<b>A23B 7 /-</b>	2020317040	2020278733	2023208136	2020290350	<b>A61P 5 /-</b>
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<b>A23L 19 /-</b>	2022421593	2021257662	2019386906	<b>A61N 5 /-</b>	<b>A61P 9 /-</b>
2020334346	2024200040	2021412688	<b>A61K 51 /-</b>	2020355109	2020289909
<b>A23L 33 /-</b>	<b>A61B 6 /-</b>	2022277904	2023208136	2023208136	2022202639
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<b>A43B 1 /-</b>	2019362472	2023208136	2019307846	<b>A61P 23 /-</b>	<b>B01D 36 /-</b>
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<b>A43B 21 /-</b>	<b>A61F 9 /-</b>	<b>A61K 35 /-</b>	2019386906	2021239708	<b>B01D 46 /-</b>
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<b>A43B 3 /-</b>	2023237097	2021239708	<b>A61L 2 /-</b>	<b>A61P 27 /-</b>	2023200921
2020320454	<b>A61F 9 /-</b>	2022202639	2024200341	2019358200	2024200821
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	2020267581	2023203800			
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2022306162	2020213886	2020213886	2023202592	<b><u>C07K 14 /-</u></b>	<b><u>C22B 11 /-</u></b>
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		2019336282			2023201356
<b><u>E01F 15 /-</u></b>	2020236531		<b><u>G01G 11 /-</u></b>	<b><u>G06Q 10 /-</u></b>	<b><u>G16H 50 /-</u></b>
		<b><u>F03D 7 /-</u></b>	2022325421	2020401367	2020290350
2019346044	<b><u>E21B 33 /-</u></b>			2023251295	2022421216
		2022428222	<b><u>G01L 25 /-</u></b>	<b><u>G06Q 50 /-</u></b>	2023204237
<b><u>E02D 1 /-</u></b>	2020408002		2021415070		
		<b><u>F04B 53 /-</u></b>		2023251295	<b><u>H01B 7 /-</u></b>
2020236531	<b><u>E21B 34 /-</u></b>	2024210032	<b><u>G01N 1 /-</u></b>	<b><u>G06T 17 /-</u></b>	2021237677
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<b><u>E02F 9 /-</u></b>	2024200104	<b><u>F16K 1 /-</u></b>	2018363922	2020241282	<b><u>H01H 3 /-</u></b>
			2018392605	2020401367	
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<b><u>E03B 3 /-</u></b>	2022351638	<b><u>F16K 15 /-</u></b>		2020401367	<b><u>H01H 31 /-</u></b>
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2023347171	2025201711	2024210032	<b><u>G01R 31 /-</u></b>		
				<b><u>G08B 21 /-</u></b>	<b><u>H01H 33 /-</u></b>
<b><u>E04B 1 /-</u></b>	<b><u>E21B 49 /-</u></b>	<b><u>F16K 17 /-</u></b>	2020240964	2024200040	2024200625
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<b><u>E04B 7 /-</u></b>	2020236531	<b><u>F16K 37 /-</u></b>	2020241282	2024200380	2023206083
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<b><u>E04F 21 /-</u></b>	2023202048	<b><u>F22B 1 /-</u></b>	2024200104	2020250907	2020240964
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<b><u>E04G 25 /-</u></b>	2023202048	<b><u>F22B 15 /-</u></b>	2024200040	2019346044	2019318817
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<b><u>E04H 6 /-</u></b>	2023202048	2020296057	2020349689	2019203215	<b><u>H01M 8 /-</u></b>
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<b><u>E05B 47 /-</u></b>	2020377014	2024201147	<b><u>G02C 7 /-</u></b>	<b><u>G16B 15 /-</u></b>	2025203764
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<b><u>E05D 11 /-</u></b>	2023202048	2022326734	2019362472	<b><u>G16B 20 /-</u></b>	2023263509
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<b><u>E05D 3 /-</u></b>	2020377014	2020296057	2023251295	<b><u>G16B 40 /-</u></b>	2023263509
2021221705	<b><u>F01K 25 /-</u></b>	<b><u>F28D 20 /-</u></b>	<b><u>G06F 18 /-</u></b>	2019328344	<b><u>H01R 4 /-</u></b>
<b><u>E05D 5 /-</u></b>	2021291793	2020296057	2021415070	<b><u>G16H 10 /-</u></b>	2023263509
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2021221705	<b><u>F01K 7 /-</u></b>	<b><u>F28D 7 /-</u></b>	<b><u>G06F 30 /-</u></b>	2022421216	2023263509
				2023204237	<b><u>H01S 1 /-</u></b>
<b><u>E05F 15 /-</u></b>	2021291793	2020296057	2024200104		
				<b><u>G16H 20 /-</u></b>	2023257216
2019409534	<b><u>F02K 9 /-</u></b>	<b><u>G01B 1 /-</u></b>	<b><u>G06F 9 /-</u></b>		
	2020213641				

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<b><u>H01S 5 /-</u></b>	<b><u>H04W 72 /-</u></b>
2023257216	2021438879
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<b><u>H02H 9 /-</u></b>	<b><u>H04W 88 /-</u></b>
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	2023258335
	2024201761
<b><u>H03L 7 /-</u></b>	<b><u>H10F 71 /-</u></b>
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	2024201304
<b><u>H04B 10 /-</u></b>	
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<b><u>H04L 1 /-</u></b>	2023206083
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2021228566	2024201761
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2020337244	
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2023251442	
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2023214350	
<b><u>H04W 4 /-</u></b>	
2020241282	
2022421593	
2023203417	
2024203873	

**Opposition Proceedings**

(The name in parentheses is that of the opponent)

**Opposition Lodged**

- 2022406778 **REXNORD INDUSTRIES, LLC** ( KettenWulf Betriebs GmbH )
- 2023206234 **GeoRoc International, Inc.** ( Australian Nuclear Science & Technology Organisation )

**Patents Granted**

**Standard Patents**

- 2017325112 2017381585 2017398266 2017414803
- 2018202019 2018211985 2018212012 2018231618
- 2018240559 2018254566 2018264052 2018272852
- 2018274986 2018276384 2018285710 2018311988
- 2018335274 2018348962 2018372083 2018383016
- 2018424258 2018429997 2018445437 2019202567
- 2019202925 2019204198 2019204415 2019204857
- 2019206314 2019215248 2019219200 2019222713
- 2019226618 2019227647 2019229718 2019231781
- 2019231887 2019233613 2019233860 2019237541
- 2019239640 2019240230 2019253689 2019253967
- 2019254740 2019256734 2019259564 2019262217
- 2019268185 2019268303 2019269101 2019270159
- 2019271208 2019271283 2019272416 2019272626
- 2019272801 2019275094 2019278935 2019280858
- 2019282224 2019282692 2019283792 2019286466
- 2019290039 2019291279 2019293520 2019295499
- 2019295731 2019298150 2019300942 2019306023
- 2019309424 2019315303 2019316093 2019318046
- 2019320695 2019321770 2019323695 2019323759
- 2019336269 2019336540 2019337955 2019338528
- 2019341798 2019342317 2019342435 2019347770
- 2019348279 2019355954 2019359794 2019360763
- 2019361098 2019369322 2019374383 2019375928
- 2019380603 2019381132 2019384163 2019385802
- 2019391357 2019392232 2019394519 2019397017
- 2019400658 2019403729 2019406534 2019413421
- 2019414438 2019416964 2019424847 2019426695
- 2019427808 2019427999 2019437394 2020204736
- 2020210506 2020210809 2020210831 2020211972
- 2020213924 2020218258 2020220581 2020223896
- 2020229474 2020229809 2020241869 2020245047
- 2020245769 2020247795 2020250581 2020251854
- 2020262824 2020264490 2020275238 2020277706
- 2020299138 2020321945 2020371883 2020380366
- 2020384369 2020391518 2020400061 2020401936
- 2020414152 2020468179 2021221785 2021227276
- 2021231356 2021273600 2021279372 2021286676
- 2021291949 2021292116 2021316893 2021334241
- 2021335847 2021336355 2021336767 2021341744
- 2021342788 2021346246 2021347388 2021351595
- 2021356425 2021363626 2021364255 2021367879
- 2021371040 2021379601 2021388028 2021392306
- 2021407605 2021410756 2021411051 2021423918
- 2021430769 2021474749 2022202220 2022203286
- 2022203320 2022203791 2022203795 2022204604
- 2022205117 2022206501 2022207001 2022207666
- 2022210405 2022215251 2022217093 2022230795
- 2022237787 2022249055 2022250360 2022263603
- 2022270932 2022271475 2022279165 2022279369
- 2022279518 2022279525 2022283651 2022294850
- 2022294909 2022299056 2022299545 2022299561
- 2022306204 2022307876 2022308121 2022323373
- 2022324689 2022325388 2022336908 2022348189
- 2022350549 2022357677 2022357956 2022376963
- 2022383209 2022402892 2022404972 2022417357

**Patents Granted**

**Standard Patents**

- 2022428730 2022431337 2022434643 2022435053
- 2022445815 2023200130 2023200375 2023200472
- 2023200818 2023201146 2023201236 2023201358
- 2023201394 2023201565 2023201743 2023201972
- 2023202112 2023202381 2023202560 2023202734
- 2023202739 2023202834 2023203190 2023203254
- 2023203532 2023203611 2023203647 2023203689
- 2023206152 2023216913 2023219983 2023222974
- 2023229534 2023229600 2023237075 2023237139
- 2023251481 2023258327 2023258431 2023266362
- 2023270239 2023276440 2023278003 2023278040
- 2023285732 2023285985 2023289042 2023315287
- 2024200026 2024200616 2024200666 2024201049
- 2024201115 2024201455 2024201456 2024202339
- 2024203960 2024219931 2024259881 2024278356

**Assignments Registered**

- 2012265602 BMC Software, Inc. The patent has been assigned to **BMC Helix, Inc.**
- 2013239897 BMC Software, Inc. The patent has been assigned to **BMC Helix, Inc.**
- 2013240062 BMC Software, Inc. The patent has been assigned to **BMC Helix, Inc.**
- 2013334804 BMC Software, Inc. The patent has been assigned to **BMC Helix, Inc.**
- 2013334808 BMC Software, Inc. The patent has been assigned to **BMC Helix, Inc.**
- 2013334809 BMC Software, Inc. The patent has been assigned to **BMC Helix, Inc.**
- 2014339235 Unilin BVBA; AGFA NV The patent has been assigned to **AGFA NV; Unilin BV**
- 2015215145 Unilin BVBA; AGFA NV The patent has been assigned to **AGFA NV; Unilin BV**
- 2016365229 Concordia University Inc. The patent has been assigned to **CU Ventures, Inc.**
- 2017232174 BMC Software, Inc. The patent has been assigned to **BMC Helix, Inc.**
- 2017336195 Agfa NV; Unilin BVBA The patent has been assigned to **Agfa NV; Unilin BV**
- 2018243312 BIORA THERAPEUTICS, INC. The patent has been assigned to **BT BidCo, Inc.**
- 2019264600 Children's Hospital & Research Center at Oakland The patent has been assigned to **The Regents of the University of California**
- 2020235666 IntraMont Technologies, Inc. The patent has been assigned to **MangoRX IP Holdings, LLC**
- 2021203828 Children's Hospital & Research Center at Oakland The patent has been assigned to **The Regents of the University of California**
- 2023201056 BIORA THERAPEUTICS, INC. The patent has been assigned to **BT BidCo, Inc.**
- 2023201348 BIORA THERAPEUTICS, INC. The patent has been assigned to **BT BidCo, Inc.**

**Assignments Registered**

2023204391 Children's Hospital & Research Center at Oakland The patent has been assigned to **The Regents of the University of California**

**Discharge of a Mortgage**

2009303477 Discharge of a Mortgage was made in the Register on 05.02.2025 .

2012337310 Discharge of a Mortgage was made in the Register on 05.02.2025 .

2018378967 Discharge of a Mortgage was made in the Register on 05.02.2025 .

**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.

2021201339 **Zogenix International Limited**

The earliest first regulatory approval date provided by the patentee 28 Nov 2024

For the goods FINTEPLA fenfluramine

**Corrigenda**

In Vol 59 , No 23 , Page(s) 3255 under the heading **Amendments - Application for Amendments** Under the name PepsiCo, Inc., Patent No. 2017325799 correct the date of the statements filed to read 29 Nov 2024 and 17 Mar 2025

In Vol 59 , No 23 , Page(s) 3256 under the heading **Amendments - Application for Amendments** Under the name The Procter & Gamble Company, Patent Application No. 2023219796 correct the date of the statements filed to read 19 Mar 2025, 15 Apr 2025 and 07 May 2025

**Specifications Republished**

The following specifications contained errors when advertised OPI, Accepted or Certified. They have been reissued on the date of this Journal.

2019204749 **Sandvik Mining and Construction Oy**  
2023248107 **Huawei Technologies Co., Ltd.**  
2024201950 **Intuit Inc.**  
2025200606 **Lightcast Discovery Ltd**