



Australian Government

IP Australia

AUSTRALIAN OFFICIAL JOURNAL

OF

PATENTS

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General Information

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or contact our Customer Service Network on 1300651010*

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Country Codes

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

Arrangement of Information in the Journal

For each of the categories

(i) Provisional Applications Filed, (ii)

Complete Applications Filed, (iii)

Applications Open to Public Inspection

(iv) Applications Accepted, and (v)

Innovation Patent Certified.

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

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

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

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

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

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

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

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

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

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

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

The following Numerical Indices are available:

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

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

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

The indices to use are

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

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

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

'INID' NUMBERS in use on Australian Patent Documents

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

(10) Document identification

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

(20) Document filing data

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

(30) Priority data

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

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

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

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

(44) Date of publication by printing or similar process of a document, on which grant, or certification has taken place on or before the said date.

(50) Technical Information

(51) International Patent Classification

(52) Domestic or national classification

(54) Title of invention

(56) List of prior art documents, if separate from descriptive text

(57) Abstract or claim

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

(60) Related by cognate(s).

(61) Related by addition(s).

(62) Related by division(s).

(70) Identification of parties concerned with the document

(71) Name(s) of applicant(s)

(72) Name(s) of inventor(s) if known to be such

(74) Name(s) of attorney(s) or agent(s)

(75) Name(s) of inventor(s) who is (are) also applicant(s)

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

(86) PCT Application Number

(87) PCT Publication Number

NOTE

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

AU-A = Pre-examination

AU-B = Post-examination

(2) The classification used is the International Patent Classification and is identified by the INID code (51). Further editions of the classification are identified as (51)₂, (51)₃, (51)₄ and (51)₅.

(3) INID code 74 provides for the name of the patent attorney, or firm of attorneys, prosecuting an application.

(4) There is a gap in volume numbering of the Australian Official Journal of Patents. The volumes are:

- 1987-2022 Volume 1 - 36
- 2023 - Volume 57 -

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 3 Oct 2023 .

| | | |
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| (71) Altech Chemicals Australia Pty Ltd (21) 2023903189 (22) 04.10.2023 (54) A Method for the Preparation of Alumina | (71) Biocarbon Pty Ltd (21) 2023903214 (22) 06.10.2023 (54) A BIOMASS PYROLYSIS SYSTEM | (71) DeltaBurn Pty Ltd (21) 2023903199 (22) 05.10.2023 (54) Avoidance of Normal Shock on a Transonic or Supersonic Airfoil |
| (71) ALVARO TRANSPORT PTY LTD (21) 2023903190 (22) 04.10.2023 (54) Super Double | (71) Breaker Goosenecks Pty Ltd (21) 2023903181 (22) 04.10.2023 (54) Gooseneck Trailers | (71) de Salis, A.; Clark, M. (21) 2023903209 (22) 06.10.2023 (54) A gate-operating mechanism |
| (71) Andromeda IP Pty Ltd (21) 2023903245 (22) 10.10.2023 (54) CEMENTITIOUS COMPOSITION ADDITIVE | (71) Cenagen Pty Ltd (21) 2023903210 (22) 06.10.2023 (54) Waste processing method and system | (71) Drillterra Technologies Pty Ltd (21) 2023903179 (22) 04.10.2023 (54) Tricone Drill Tooth, Tricone Drill Sub-Assembly and Tricone Drill |
| (71) Animo Gaming Pty Ltd (21) 2023903192 (22) 05.10.2023 (54) METHOD AND SYSTEM FOR ANIMATION IN ONLINE GAME | (71) Centre for Eye Research Australia Limited (21) 2023903213 (22) 06.10.2023 (54) METHOD OF PREDICTING BIOLOGICAL AGE FROM OCULAR IMAGES OF A SUBJECT | (71) Ebokolo-Jecop, A.M. (21) 2023903201 (22) 06.10.2023 (54) 3D crystal Stand urn with light |
| (71) Auret, D. (21) 2023903202 (22) 06.10.2023 (54) MULTIPLIER TYPE HYDROGEN COMPRESSOR | (71) C Gear Australia Pty Ltd (21) 2023903195 (22) 05.10.2023 (54) System For Reducing Evaporation From Water Surfaces | (71) Elecbrakes Pty Ltd (21) 2023903188 (22) 04.10.2023 (54) Brake Controller |
| (71) Australian National University (21) 2023903241 (22) 10.10.2023 (54) Phase Detector | Clark, M. see de Salis, A. (21) 2023903209 | Ellis, J. see Pickford, J. (21) 2023903228 |
| (71) Australian Valve Group Pty Ltd (21) 2023903220 (22) 06.10.2023 (54) Pressure Reducer | (71) Commonwealth Scientific and Industrial Research Organisation (21) 2023903224 (22) 09.10.2023 (54) Runtime Adaption and Repair | (71) Eng, Y. (21) 2023903222 (22) 07.10.2023 (54) A method of making credit or debit card online transactions more secure |
| Balakrishnan, S.K. see Mariappan, S. (21) 2023903236 | (71) Commonwealth Scientific and Industrial Research Organisation (21) 2023903225 (22) 09.10.2023 (54) Real-Time Compliance Checking | (71) Favand, J. (21) 2023903208 (22) 06.10.2023 (54) Pest Trap with One-Way Entrance for Varroa Mites and/or Small Hive Beetles |
| (71) Bayuble Limited (21) 2023903200 (22) 05.10.2023 (54) BIODEGRADABLE FILM COMPOSITIONS AND THEIR METHODS OF MANUFACTURE | (71) DBE ATTACHMENTS PTY LTD (21) 2023903218 (22) 06.10.2023 (54) A GROUND ENGAGING TOOL | (71) ForeverBio Innovations Pty Ltd (21) 2023903226 (22) 09.10.2023 (54) Compositions and methods of making the same |

Provisional Applications Filed - Name Index cont'd

(71) Future Battery Industries CRC Ltd
(21) 2023903229 (22) 09.10.2023
(54) Designing infrastructure

(71) Garner, B.
(21) 2023903186 (22) 04.10.2023
(54) Toy

(71) GC Precision Developments Pty Ltd
(21) 2023903169 (22) 03.10.2023
(54) Systems and methods for modular rifles

Gopala krishnan, R. see Mariappan, S.
(21) 2023903236

(71) GULLACI, J.
(21) 2023903219 (22) 06.10.2023
(54) Detent plug for utility line installation

(71) HAMMETT ENTERPRISES PTY LTD
(21) 2023903249 (22) 10.10.2023
(54) METHOD FOR ANCHORING FORMWORK STRUCTURES, AND GUIDING APPARATUS AND KIT RELATING TO THE SAME

(71) Hazeldine, M.
(21) 2023903206 (22) 06.10.2023
(54) Locomotive Power System and Method

(71) Hydgene Renewables Pty Ltd
(21) 2023903230 (22) 09.10.2023
(54) GENERATOR SYSTEM

(71) Hynd, D.
(21) 2023903250 (22) 10.10.2023
(54) ELECTRIC OVER HYDRAULIC BRAKE CALIPER ASSEMBLY

(71) Ianni, A.
(21) 2023903253 (22) 11.10.2023
(54) Convey AI

(71) iCarehub
(21) 2023903221 (22) 07.10.2023
(54) iCarehub

(71) Illinois Tool Works Inc.
(21) 2023903204 (22) 06.10.2023
(54) Fastener

(71) Illinois Tool Works Inc.
(21) 2023903205 (22) 06.10.2023
(54) Fastener Guide

(71) InfigoLabs Pty Ltd
(21) 2023903231 (22) 09.10.2023
(54) Combustor component, combustor assembly and related systems and methods

(71) International Medical Research Pty Ltd
(21) 2023903243 (22) 10.10.2023
(54) WOUND DRAINAGE PRESSURE MAINTENANCE

(71) Jayden, N.
(21) 2023903191 (22) 05.10.2023
(54) Swimwear for Female to Male (FTM) transgender providing support for prosthetic genitalia or packer

(71) K-HART International Pty Ltd
(21) 2023903244 (22) 10.10.2023
(54) PLANETARY EXPLORATION VEHICLE

(71) KHE Limited
(21) 2023903248 (22) 10.10.2023
(54) SLIDE AND RIDE SYSTEM

(71) Laconik Pty Ltd
(21) 2023903246 (22) 10.10.2023
(54) METHOD AND SYSTEM FOR EVALUATING THE EFFICACY OF AGRICULTURAL PRODUCTS

(71) Lange, L.J.
(21) 2023903185 (22) 04.10.2023
(54) Landscape edging system

(71) Macfarlane Burnet Institute for Medical Research and Public Health Limited
(21) 2023903187 (22) 04.10.2023
(54) Vaginal compositions and methods and uses thereof

(71) Machuret, J.; O'brien, M.
(21) 2023903234 (22) 09.10.2023
(54) New Urine Collection Device Aid Tool

(71) Mariappan, S.; Gopala krishnan, R.; Balakrishnan, S.K.
(21) 2023903236 (22) 10.10.2023
(54) Personalized Connector Devices without Internet

(71) Miroslav Gubas
(21) 2023903223 (22) 08.10.2023
(54) Complete prefabricated external and internal fabrication and installation method incorporating electrical supply, prefabricated door panels, heat joint panel connection, top and bottom track and simple re configuration of internal floor-plan layout.

(71) Mura, R.
(21) 2023903216 (22) 06.10.2023
(54) Cash in Digital currency out, Converting change from cash payment to digital currency

(71) Neely, R.
(21) 2023903215 (22) 06.10.2023
(54) SYSTEM AND METHOD OF CERTIFYING DIGITAL USER ACCOUNTS

(71) NEWSOUTH INNOVATIONS PTY LIMITED
(21) 2023903196 (22) 05.10.2023
(54) Nano-vesicular systems comprising (O-acyl)-hydroxy fatty acids

(71) Noshu IP Pty Ltd
(21) 2023903180 (22) 04.10.2023
(54) A SUGAR FREE OR LOW SUGAR, AERATED AND GRAINED CONFECTIONERY COMPOSITION

O'brien, M. see Machuret, J.
(21) 2023903234

(71) O'Donoghue, S.
(21) 2023903211 (22) 06.10.2023
(54) Visual analysis of datasets using AI and online collaboration

(71) O LA MIA CAFE & WINE BAR PTY LTD
(21) 2023903237 (22) 10.10.2023
(54) Sleeve for kitchen appliance

(71) Perry, A.
(21) 2023903239 (22) 10.10.2023
(54) A Retractable Vehicle Cover

(71) Pesce, J.
(21) 2023903235 (22) 09.10.2023
(54) A direct-mail recipient interaction tracking system

(71) Phoenix Energy Services Pty Ltd
(21) 2023903184 (22) 04.10.2023
(54) AN AUTOMATED VENT VALVE ASSEMBLY AND METHODS OF USE THEREOF

(71) Pickford, J.; Ellis, J.
(21) 2023903228 (22) 09.10.2023
(54) AN APPARATUS FOR FACILITATING THE INSTALLATION AND INSPECTION OF GROUND SERVICE PIPES

Provisional Applications Filed - Name Index cont'd

(71) Popham, D.
 (21) 2023903203 (22) 06.10.2023
 (54) A hairpiece ensemble having cooling and moisture-wicking properties

(71) Raptor Sports Pty Ltd
 (21) 2023903247 (22) 10.10.2023
 (54) A METHOD FOR ENHANCING THE PHYSICAL PROPERTIES OF OBJECTS OR DEVICES

(71) Raptortech Pty Ltd
 (21) 2023903251 (22) 10.10.2023
 (54) AUTOMATED VEHICLE BRAKING SYSTEM

(71) Rim-Lock Innovations Pty Ltd
 (21) 2023903252 (22) 11.10.2023
 (54) A RETENTION DEVICE AND METHOD OF USE THEREOF

(71) Safe Direction Pty Ltd
 (21) 2023903240 (22) 10.10.2023
 (54) Barrier

(71) Senterprisys Limited
 (21) 2023903212 (22) 06.10.2023
 (54) A Building Method

(71) Shaikh, M.
 (21) 2023903227 (22) 09.10.2023
 (54) Arabic keyboard layout based on English keyboard layout

(71) Teknomika Pty Ltd
 (21) 2023903193 (22) 05.10.2023
 (54) Integrated cabin light and ventilation

(71) Teknomika Pty Ltd
 (21) 2023903194 (22) 05.10.2023
 (54) Ventilator with UV disinfection

(71) The Florey Institute of Neuroscience and Mental Health
 (21) 2023903254 (22) 11.10.2023
 (54) Antigen-binding molecules and uses thereof

(71) The University of Adelaide
 (21) 2023903183 (22) 04.10.2023
 (54) ALLERGY DIAGNOSIS AND TREATMENT

(71) The University of Queensland
 (21) 2023903197 (22) 05.10.2023
 (54) Enzymatic Metal Processing

(71) The University of Queensland
 (21) 2023903198 (22) 05.10.2023
 (54) SQUALENE-BASED HYDROGEL ADJUVANT

(71) The University of Queensland
 (21) 2023903233 (22) 09.10.2023
 (54) Methods for deterministic preparation of cat and Gottesman-Kitaev-Preskill states

(71) TNBT Holdings Pty Limited
 (21) 2023903182 (22) 04.10.2023
 (54) A Lock Assembly with An Improved Latch Assembly

(71) VERRILLS, P.; WRIGHT, R.
 (21) 2023903232 (22) 09.10.2023
 (54) AN APPARATUS AND SYSTEM THAT USES CONTROLLED ENERGY TO EFFECT COAGULATION OR MODULATION OF TISSUE AT A TARGET

(71) Vilella, J.
 (21) 2023903238 (22) 10.10.2023
 (54) Hydro Shape Detention System

(71) Walker, D.
 (21) 2023903242 (22) 10.10.2023
 (54) A DEVICE FOR LOOSENING A CORE AND METHOD FOR LOOSENING A CORE

(71) Woolworths Group Limited
 (21) 2023903217 (22) 06.10.2023
 (54) Retail checkout

WRIGHT, R. see VERRILLS, P.
 (21) 2023903232

(71) ZEROJET LIMITED
 (21) 2023903207 (22) 06.10.2023
 (54) JET STATOR ASSEMBLY

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Applications listed below were processed through the Patent Office Canberra during the period ending 3 Oct 2023 .

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

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| <hr/> <p>(71) Abiomed, Inc. (21) 2023241317 (22) 05.10.2023 (54) Determination of cardiac parameters for modulation of blood pump support (62) 2018279862</p> <hr/> <p>(71) ACCESS CLOSURE, INC. (21) 2023237172 (22) 29.09.2023 (54) Chitosan and polyethylene glycol copolymers and methods and devices for using same for sealing a vascular puncture (62) 2021204805</p> <hr/> <p>(71) Acer Incorporated (21) 2023241342 (22) 05.10.2023 (54) METHOD OF HANDLING CONDITIONAL HANDOVER WITH CANDIDATE SECONDARY CELL GROUP, SOURCE MASTER NODE, AND USER EQUIPMENT (31) 63/413,971 (32) 07.10.22 (33) US 18/472,189 21.09.23 US</p> <hr/> <p>(71) Adobe Inc. (21) 2023237210 (22) 02.10.2023 (54) FINE-TUNING AND CONTROLLING DIFFUSION MODELS (31) 18/062,314 (32) 06.12.22 (33) US</p> <hr/> <p>(71) Agriculture Victoria Services Pty Ltd (21) 2023241333 (22) 05.10.2023 (54) METABOLITE PRODUCTION IN ENDOPHYTES (2) (62) 2017310264</p> <hr/> <p>(71) AI21 Labs (21) 2023241291 (22) 04.10.2023 (54) SYSTEMS AND METHODS OF CONTROLLABLE NATURAL LANGUAGE GENERATION (62) 2023222905</p> <hr/> <p>(71) Air Products and Chemicals, Inc. (21) 2023237164 (22) 29.09.2023 (54) LIQUEFACTION SYSTEM (62) 2021204327</p> <hr/> <p>(71) Alcresta Therapeutics, Inc. (21) 2023237167 (22) 29.09.2023</p> | <p>(54) Devices and methods for preparing and administering a nutritional formula (62) 2018330178</p> <hr/> <p>(71) Allergan Industrie, SAS (21) 2023241303 (22) 04.10.2023 (54) Compositions and methods for improving skin appearance (62) 2021202089</p> <hr/> <p>(71) Alroy, B. (21) 2023241350 (22) 05.10.2023 (54) Solarstruct construction method to re-purpose end-of-life rooftop solar panels</p> <hr/> <p>(71) Amgen Inc.; Amgen Research (Munich) GmbH (21) 2023237216 (22) 02.10.2023 (54) BCMA And CD3 Bispecific T Cell Engaging Antibody Constructs (62) 2017216230</p> <hr/> <p>(71) Amgen Inc. (21) 2023241309 (22) 05.10.2023 (54) Injector and method of assembly (62) 2022200344</p> <hr/> <p>Amgen Research (Munich) GmbH see Amgen Inc. (21) 2023237216</p> <hr/> <p>(71) Amshield Partners Pte. Ltd. (21) 2023237222 (22) 03.10.2023 (54) LOAD BEARING MODULAR FORMWORK CONSTRUCTION SYSTEM FOR BUILDING HIGH RISE STRUCTURES (31) PI2023005373 (32) 07.09.23 (33) MY</p> <hr/> <p>(71) Anduril Industries, Inc. (21) 2023237207 (22) 02.10.2023 (54) Counter drone system (62) 2020277971</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2023237204 (22) 02.10.2023 (54) Game token management system (62) 2020203247</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2023241276 (22) 03.10.2023</p> | <p>(54) TABLE GAME MANAGEMENT SYSTEM, SUBSTITUTE CURRENCY FOR GAMING, AND INSPECTION DEVICE (62) 2022200505</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2023241358 (22) 06.10.2023 (54) FRAUD DETECTION SYSTEM IN CASINO (62) 2021225257</p> <hr/> <p>(71) Apple Inc. (21) 2023237162 (22) 29.09.2023 (54) User interfaces with variable appearances (62) 2022201720</p> <hr/> <p>(71) Apple Inc. (21) 2023237163 (22) 29.09.2023 (54) Media browsing user interface with intelligently selected representative media items (62) 2022201810</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2023237175 (22) 29.09.2023 (54) A SYSTEM AND METHOD OF GAMING (62) 2021218234</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2023237177 (22) 29.09.2023 (54) A GAMING SYSTEM WITH GEOFENCED FUNDS TRANSFER (62) 2019232826</p> <hr/> <p>(71) Ascendis Pharma A/S (21) 2023237191 (22) 29.09.2023 (54) Auto injector with variable plunger force (62) 2018272907</p> <hr/> <p>(71) Avidbots (21) 2023241354 (22) 06.10.2023 (54) SYSTEM AND METHOD OF SEMANTIC SEGMENTATION FOR A CLEANING DEVICE (31) 63413587 (32) 05.10.22 (33) US</p> <hr/> <p>(71) Axiflux Holdings Pty Ltd (21) 2023241348 (22) 05.10.2023</p> |
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- (71) Barro Group Pty Ltd
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- (71) Battery Graphene Corp Pty Ltd
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- (71) Bayer HealthCare LLC
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- (71) BCG Partners, Inc.; Sweeting, M.; Novello, J.; Lutnick, H.
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- (71) BioNTech US Inc.
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- (71) Boston Scientific Scimed, Inc.
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- (71) CaaMTech, Inc.
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- (71) CaaMTech, Inc.
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- (71) Cabinplant International A/S
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- (71) CareFusion 2200, Inc.
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- (71) CATERPILLAR INC.
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- (71) Cedars-Sinai Medical Center
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(54) A novel and efficient method for reprogramming blood to induced pluripotent stem cells
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- (71) CFPH, LLC
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(54) APPARATUS FOR PARI-MUTUEL RACING GAME WITH FINISH ORDER BETTING
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- (71) Cheng, J.; Huang, P.
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- (71) Clara Diamond Solutions Limited Partnership
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- (71) ColdQuanta, Inc.
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- (71) Colgate-Palmolive Company
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- (71) DNA Genotek Inc.
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- (71) Domin Pty Ltd; Iwaloye, A.D.
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(71) Duress IP Pty Ltd
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(71) Huawei Technologies Co., Ltd.
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(71) Itron Networked Solutions, Inc.
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(71) Janssen Biotech, Inc.
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(54) Subcutaneous formulations of anti-CD38 antibodies and their uses
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(71) Janssen Pharmaceutica NV
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(71) JGC Corporation
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(62) 2021425001

(71) John Mezzalingua Associates, LLC
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(71) JRSK, Inc.
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(71) Kakadu R & D Pty Ltd
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(71) Komatsu Ltd.
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(71) Kumanu, Inc.
(21) 2023241359 (22) 06.10.2023
(54) Electronic devices and methods for self-affirmation and development of purposeful behavior
(62) 2020263384

(71) Lam, T.T.
(21) 2023237219 (22) 02.10.2023
(54) CONTROL POLICY FOR MAGNETIC CONTINUOUS VARIABLE TRANSMISSION WITH REVERSING ROTATIONS
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(71) Lam, T.T.
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(71) Lam, T.T.
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(71) Lazurite Holdings LLC
(21) 2023237188 (22) 29.09.2023
(54) Light source converter
(62) 2020258443

(71) LB Pharmaceuticals Inc.
(21) 2023241329 (22) 05.10.2023
(54) Psychotropic agents and uses thereof
(62) 2017364899

(71) LG Electronics Inc.
(21) 2023241324 (22) 05.10.2023
(54) Refrigerator
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(71) LivePerson, Inc.
(21) 2023241330 (22) 05.10.2023
(54) Smart capacity for workload routing
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(71) Majkic, B.
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(54) Vertical Wind Turbine with Navigated Wind
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(71) MANGROVE WATER TECHNOLOGIES LTD
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(54) LI RECOVERY PROCESSES AND ONSITE CHEMICAL PRODUCTION FOR LI RECOVERY PROCESSES
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(71) Mars Sciences Limited
(21) 2023241336 (22) 05.10.2023
(54) Superparamagnetic particle imaging and its applications in quantitative multiplex stationary phase diagnostic assays
(62) 2019252255

(71) Massey, G.
(21) 2023237213 (22) 02.10.2023
(54) Asset Control System and Method
(31) 2022902857 (32) 03.10.22 (33) AU

(71) McGrath Engineering Limited
(21) 2023241319 (22) 05.10.2023
(54) Portable screening and stockpiling apparatus
(31) 22200922.7 (32) 11.10.22 (33) EP

(71) Metso Sweden AB
(21) 2023241300 (22) 04.10.2023
(54) A LINING FOR A HAUL TRUCK BODY, A TRANSITION LINING ELEMENT AND A METHOD FOR FASTENING A LINING
(62) 2021204256

(71) Mitsubishi Electric Corporation
(21) 2023241352 (22) 05.10.2023
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(62) 2021277705

(71) Mitsubishi Heavy Industries, Ltd.
(21) 2023241294 (22) 04.10.2023
(54) Control device for gas turbine, gas turbine facility, and method for controlling gas turbine
(31) JP2022-187586 (32) 24.11.22 (33) JP

(71) Modra, C.
(21) 2023241353 (22) 05.10.2023
(54) Close proximity mounting system for Plantation Shutters
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(71) Mofid, M.
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(54) SCAFFOLD WOUND DRESSING
(62) 2021384232

(71) Netafim Ltd
(21) 2023241332 (22) 05.10.2023
(54) IRRIGATION PIPE
(62) 2017349597

Complete Applications Filed - Name Index cont'd

(71) Netflix, Inc.
(21) 2023241318 (22) 05.10.2023
(54) Watermark-based techniques for
change-data-capture
(62) 2020408143

(71) Nexttracker LLC
(21) 2023241337 (22) 05.10.2023
(54) DC/DC Converter for Distributed Stor-
age and Solar Systems
(62) 2021257945

(71) Nicoventures Trading Limited
(21) 2023237180 (22) 29.09.2023
(54) Aerosol generation
(62) 2020281950

(71) Nicoventures Trading Limited
(21) 2023241339 (22) 05.10.2023
(54) Aerosol provision system
(62) 2020250958

(71) Nilo Limited
(21) 2023241322 (22) 05.10.2023
(54) Plastic processing system and apparat-
us
(62) 2021204547

Noviello, J. see BCG Partners, Inc.
(21) 2023237214

(71) OASIS AEROSPACE INC.
(21) 2023241269 (22) 03.10.2023
(54) Battery module clamshell
(31) 63/412,720 (32) 03.10.22 (33) US

(71) Obrizum Group Ltd.
(21) 2023241311 (22) 05.10.2023
(54) CONTEXTUALLY RELEVANT CON-
TENT SHARING IN HIGH-DIMEN-
SIONAL CONCEPTUAL CONTENT
MAPPING
(31) 17/965,215 (32) 13.10.22 (33) US

(71) ObsEva S.A.
(21) 2023237170 (22) 29.09.2023
(54) OXYTOCIN ANTAGONIST DOSING
REGIMENS FOR PROMOTING EM-
BRYO IMPLANTATION AND PRE-
VENTING MISCARRIAGE
(62) 2017300026

(71) P.D. of Miami, Inc.
(21) 2023237202 (22) 29.09.2023
(54) RELEASE MECHANISM DEVICE
PARACHUTE SYSTEMS AND PARA-
CHUTE STABILIZATION
(62) 2020282766

(71) Perenti Outdoor Tools Pty Ltd
(21) 2023237209 (22) 02.10.2023

(54) CUTTING TOOL
(62) PCT/AU2022/050263

(71) PerkinElmer Health Sciences, Inc.; Uni-
versity of Washington
(21) 2023241355 (22) 06.10.2023
(54) Compounds and methods relating to
testing for lysosomal storage disorders
(62) 2021254547

(71) Piscitelli, M.
(21) 2023241340 (22) 05.10.2023
(54) Apparatus and method for measuring
far-field luminous intensity and color
characteristics of light sources
(62) 2021245205

(71) Premier Biotech, Inc.
(21) 2023241289 (22) 04.10.2023
(54) ASSAY DEVICE AND RECEIVING
DEVICE
(62) 2020320437

(71) Purigen Biosystems, Inc.
(21) 2023237199 (22) 29.09.2023
(54) Isotachophoresis for purification of nuc-
leic acids
(62) 2017212754

(71) QED Labs Inc.
(21) 2023241286 (22) 04.10.2023
(54) Staple fibers containing releasable sur-
face modifying molecules
(62) 2017362758

(71) Qingdao Haier Refrigerator Co., Ltd;
Haier Smart Home Co., Ltd.
(21) 2023241297 (22) 04.10.2023
(54) Refrigerator
(62) 2020317659

(71) Rainbow, H.
(21) 2023237166 (22) 29.09.2023
(54) Inhaler housing
(62) 2017371392

(71) Reliance Worldwide Corporation
(21) 2023241282 (22) 04.10.2023
(54) Tubular connector
(62) 2019320708

(71) Revolution Medicines, Inc.
(21) 2023241273 (22) 03.10.2023
(54) C26-linked rapamycin analogs as mT-
OR inhibitors
(62) 2019262979

(71) Revolution Medicines, Inc.
(21) 2023241345 (22) 05.10.2023

(54) C40-, C28-, and C-32-linked rapamycin
analogues as mTOR inhibitors
(62) 2019262978

(71) River Stone Biotech, LLC
(21) 2023241335 (22) 05.10.2023
(54) Biosynthesis Of Benzylisoquinoline Al-
kaloids And Benzylisoquinoline Alkaloid
Precursors
(62) 2017309313

(71) Russell Investments Group, LLC
(21) 2023241296 (22) 04.10.2023
(54) Method of creating and maintaining
multi-manager exchange traded funds
(62) 2021209197

(71) SDRAM INC
(21) 2023241315 (22) 05.10.2023
(54) SELF-ADDRESSING MEMORY
(31) 2023902345 (32) 24.07.23 (33) AU
US 18/225046 21.07.23 US

(71) Sage Products, LLC
(21) 2023237187 (22) 29.09.2023
(54) Cushioned support system for heel ul-
cer prevention
(62) 2017366707

(71) Schneider Electric (Australia) Pty Lim-
ited
(21) 2023241304 (22) 04.10.2023
(54) SWITCH ASSEMBLY, SYSTEM AND
METHOD
(62) 2021218105

(71) Schneider Electric (Australia) Pty Lim-
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(21) 2023241325 (22) 05.10.2023
(54) SWITCH ASSEMBLY WITH ROTAT-
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(62) 2021218106

(71) Schreder S.A.
(21) 2023237215 (22) 02.10.2023
(54) Compact Luminaire Head
(62) 2019250427

(71) Seattle Children's Hospital (dba Seattle
Children's Research Institute)
(21) 2023241321 (22) 05.10.2023
(54) Bispecific car t-cells for solid tumor tar-
geting
(62) 2016306209

(71) SEB S.A.
(21) 2023237165 (22) 29.09.2023
(54) Cooking appliance with dual user inter-
face
(31) FR2210019 (32) 30.09.22 (33) FR

Complete Applications Filed - Name Index cont'd

(71) Shanghai Lanhao Electric Co., Ltd
(21) 2023237189 (22) 29.09.2023
(54) AUXILIARY WIRE, FLAT CABLE AND ROUND CABLE
(31) 2023109216458 (32) 26.07.23 (33) CN

(71) Shanghai Lanhao Jiangsu Electric Co., Ltd.
(21) 2023241341 (22) 05.10.2023
(54) Cable containing LED light strip driven by induced current
(31) 2023108430740 (32) 10.07.23 (33) CN

(71) Smith & Loveless Inc.
(21) 2023237168 (22) 29.09.2023
(54) Apparatus with improved grit removal
(31) 17/961,087 (32) 06.10.22 (33) US

(71) SOLIGENIX, INC.; THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE
(21) 2023237223 (22) 03.10.2023
(54) THERMOSTABLE VACCINE COMPOSITIONS AND METHODS OF PREPARING SAME
(62) 2020200335

(71) Sonos, Inc.
(21) 2023237192 (22) 29.09.2023
(54) Audio response playback
(62) 2023203239

(71) Southwire Company, LLC
(21) 2023237181 (22) 29.09.2023
(54) Ultrasonic grain refining and degassing procedures and systems for metal casting including enhanced vibrational coupling
(62) 2018221259

(71) Suburban Insights Pty Ltd
(21) 2023241349 (22) 05.10.2023
(54) GEOGRAPHIC INFORMATION SYSTEM AND METHOD
(31) 2022903189 (32) 27.10.22 (33) AU

(71) Sulun Arms Pty Ltd
(21) 2023237211 (22) 02.10.2023
(54) Lever-release firearm

(71) Sunfolding, Inc.
(21) 2023241270 (22) 03.10.2023
(54) Pneumatic actuator system and method
(62) 2018255296

Sweeting, M. see BCG Partners, Inc.
(21) 2023237214

(71) Technetix B.V.
(21) 2023241283 (22) 04.10.2023

(54) Face plate for cable tap unit
(31) 2215120.3 (32) 13.10.22 (33) GB

(71) Techtronic Cordless GP
(21) 2023237176 (22) 29.09.2023
(54) Battery pack
(31) 202211247598.5 (32) 12.10.22 (33) CN

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(21) 2023241272 (22) 03.10.2023
(54) Battery pack
(31) 202211248325.2 (32) 12.10.22 (33) CN

(71) Techtronic Cordless GP
(21) 2023241275 (22) 03.10.2023
(54) Power trigger mechanism, method of operating a power trigger mechanism, and power tool having the same
(31) 22201686.7 (32) 14.10.22 (33) EP

(71) Terra Quantum AG
(21) 2023237205 (22) 02.10.2023
(54) Ferroelectric nanoparticle capacitor for non-binary logics
(31) 22200942.5 (32) 11.10.22 (33) EP

(71) Terra Quantum AG
(21) 2023241268 (22) 03.10.2023
(54) Ferroelectric nanoparticle capacitor for non-binary logics and method of operation
(31) 22200942.5 (32) 11.10.22 (33) EP
23197777.8 15.09.23 EP

(71) The Raymond Corporation
(21) 2023241271 (22) 03.10.2023
(54) Obstacle detection functionality for material handling vehicles based on location
(31) 63/413,138 (32) 04.10.22 (33) US

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(21) 2023237223

(71) The Trustees of the University of Pennsylvania; The Wistar Institute of Anatomy and Biology; Inovio Pharmaceuticals, Inc.
(21) 2023237174 (22) 29.09.2023
(54) Tert immunogenic compositions and methods of treatment using the same
(62) 2017336088

The Wistar Institute of Anatomy and Biology see The Trustees of the University of Pennsylvania
(21) 2023237174

(71) Tönnes ISI Patent Holding GmbH
(21) 2023241298 (22) 04.10.2023
(54) Method and device for fitting a licence plate, preferably a motor vehicle licence plate, with a data carrier, and licence plate
(62) 2019286777

(71) Transportation IP Holdings, LLC
(21) 2023241278 (22) 04.10.2023
(54) SYSTEM AND METHOD FOR DETECTING AND MANAGING CONDUCTIVE GAPS
(31) 63/380,493 (32) 21.10.22 (33) US
18/474,182 25.09.23 US

(71) Trustees of Tufts College
(21) 2023241361 (22) 06.10.2023
(54) System and method for making micro-needles
(62) 2018420069

(71) TScan Therapeutics, Inc.
(21) 2023241306 (22) 05.10.2023
(54) PRAME IMMUNOGENIC PEPTIDES, BINDING PROTEINS RECOGNIZING PRAME IMMUNOGENIC PEPTIDES, AND USES THEREOF
(31) 63/413,552 (32) 05.10.22 (33) US
63/423,294 07.11.22 US

(71) TScan Therapeutics, Inc.
(21) 2023241307 (22) 05.10.2023
(54) MAGEA1 IMMUNOGENIC PEPTIDES, BINDING PROTEINS RECOGNIZING MAGEA1 IMMUNOGENIC PEPTIDES, AND USES THEREOF
(31) 63/413,560 (32) 05.10.22 (33) US
63/468,842 25.05.23 US

(71) Uniquip Group Pty Ltd
(21) 2023241305 (22) 05.10.2023
(54) Electrical Switch
(31) 2022902936 (32) 07.10.22 (33) AU

University of Washington see PerkinElmer Health Sciences, Inc.
(21) 2023241355

(71) Valo Therapeutics Oy
(21) 2023237201 (22) 29.09.2023
(54) Non-genetic modification of enveloped viruses
(62) 2017337753

(71) Vishal, R.
(21) 2023237158 (22) 29.09.2023
(54) SYSTEM AND METHOD TO ENABLE COMMUNICATION BETWEEN CONTROL COMPONENTS OF A PNEUMATIC VACUUM ELEVATOR
(31) 202341001197 (32) 05.01.23 (33) IN

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(71) Vishal, R.
(21) 2023237159 (22) 29.09.2023
(54) A MODULAR CABIN ASSEMBLY FOR
AN ELEVATOR AND A METHOD TO
OPERATE THE SAME
(31) 202341001859 (32) 09.01.23 (33) IN

(71) Vishal, R.
(21) 2023237160 (22) 29.09.2023
(54) A STRUCTURE FOR CONSTRUCT-
ING AN ELEVATOR SHAFT
(31) 202341006420 (32) 01.02.23 (33) IN

(71) Vishal, R.
(21) 2023237161 (22) 29.09.2023
(54) A SUSPENSION ARRANGEMENT TO
ABSORB STRESS ACTING ON AN
ELEVATOR CABIN DURING LANDING
(31) 202341006421 (32) 01.02.23 (33) IN

(71) VMware, Inc.
(21) 2023241347 (22) 05.10.2023
(54) Providing services with guest VM mobil-
ity
(62) 2020224067

(71) W. L. Gore & Associates, Inc.
(21) 2023241301 (22) 04.10.2023
(54) Expandable sheath
(62) 2020261933

(71) Weatherford Technology Holdings, LLC
(21) 2023237218 (22) 02.10.2023
(54) Spiders Capable Of Handling Well
Components Of Multiple Sizes
(62) 2021244291

(71) White Swell Medical Ltd
(21) 2023241280 (22) 04.10.2023
(54) Systems and methods for reducing
pressure at an outflow of a duct
(62) 2018228389

(71) Wilson Wolf Manufacturing Corporation
(21) 2023237200 (22) 29.09.2023
(54) Closed system device and methods for
gas permeable cell culture process
(62) 2022203329

Ynsect see Cargill, Incorporated
(21) 2023241292

(71) Zhejiang Jinko Solar Co., Ltd.
(21) 2023237197 (22) 29.09.2023
(54) SOLAR CELL, METHOD FOR PRE-
PARING THE SAME, AND PHOTO-
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(62) 2022203132

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| 2023216839 | Harris, M. | 2023237222 | Amshield Partners Pte. Ltd. |
| 2023237155 | Majkic, B. | 2023237223 | SOLIGENIX, INC.; THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE |
| 2023237156 | Mofid, M. | | |
| 2023237157 | Domin Pty Ltd; Iwaloye, A.D. | 2023237224 | DNA Genotek Inc. |
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| | | 2023241279 | Hadal, Inc. |
| 2023237175 | Aristocrat Technologies Australia Pty Limited | 2023241280 | White Swell Medical Ltd |
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| 2023237177 | Aristocrat Technologies Australia Pty Limited | 2023241282 | Reliance Worldwide Corporation |
| 2023237178 | Cheng, J.; Huang, P. | 2023241283 | Technetix B.V. |
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| 2023237182 | FISHER & PAYKEL HEALTHCARE LIMITED | 2023241287 | Hager-Electro SAS |
| 2023237183 | Battery Graphene Corp Pty Ltd | 2023241288 | Hawthorne Holdings Pty Ltd |
| 2023237184 | Battery Graphene Corp Pty Ltd | 2023241289 | Premier Biotech, Inc. |
| 2023237185 | Eureka Therapeutics, Inc. | 2023241290 | CATERPILLAR INC. |
| 2023237186 | Giber, J.; Gábor, R.; Lovász, S. | 2023241291 | AI21 Labs |
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| | | 2023241318 | Netflix, Inc. |
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| 2023237216 | Amgen Inc.; Amgen Research (Munich) GmbH | 2023241320 | BioNTech US Inc. |
| 2023237217 | F. Hoffmann-La Roche AG; Genentech, Inc. | 2023241321 | Seattle Children's Hospital (dba Seattle Children's Research Institute) |
| 2023237218 | Weatherford Technology Holdings, LLC | | |
| 2023237219 | Lam, T.T. | 2023241322 | Nilo Limited |
| 2023237220 | Lam, T.T. | 2023241323 | Clara Diamond Solutions Limited Partnership |
| 2023237221 | Lam, T.T. | 2023241324 | LG Electronics Inc. |

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| 2023241325 | Schneider Electric (Australia) Pty Limited |
| 2023241326 | GRAINS RESEARCH AND DEVELOPMENT CORPORATION; COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION |
| 2023241327 | Duke University |
| 2023241328 | Beam Alpha, Inc. |
| 2023241329 | LB Pharmaceuticals Inc. |
| 2023241330 | LivePerson, Inc. |
| 2023241331 | Huawei Technologies Co., Ltd. |
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| 2023241333 | Agriculture Victoria Services Pty Ltd |
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| 2023241340 | Piscitelli, M. |
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| 2023241342 | Acer Incorporated |
| 2023241343 | Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. |
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| 2023241345 | Revolution Medicines, Inc. |
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| 2023241361 | Trustees of Tufts College |
| 2023241383 | Diehl Defence GmbH & Co. KG |

Innovation Patent Applications Filed**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 3 Oct 2023 .
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

(71) ACUSENSUS IP PTY LTD
(21) 2023100087 **(22)** 06.10.2023
(54) INFRINGEMENT DETECTION METH-
OD, DEVICE AND SYSTEM
(62) 2021240327

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2023100087 ACUSENSUS IP PTY LTD

Applications Lapsed, Refused Or Withdrawn, Patents Ceased or Expired

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

The codes next to each number have the following meanings:

| Code | Meaning |
|-------------|--|
| 1 | Application Lapsed Section 142(2)(a) |
| 3 | Application Lapsed Section 142(2)(c) |
| 4 | Application Lapsed Section 142(2)(d) |
| 5 | Application Lapsed Section 142(2)(e) |
| 6 | Application Lapsed Section 142(2)(f)/Reg. 13.5A(2)\Reg. 8.3(3) |
| 7 | Application Lapsed Reg. 3.2A(3)/Reg. 3.2C |
| 8 | Application Lapsed Reg. 3.4(6) |
| 9 | Application Lapsed Section 142(3) |
| 11 | Application Lapsed Section 148(1)(c) |
| 12 | Application Withdrawn Section 141(1) |
| 13 | Application Withdrawn Section 141(2)/Reg 13.1C\Section 141(3)/See Reg 8.3(2) |
| 14 | Patent Ceased Section 143(a), or Expired |
| 15 | Patent Ceased Section 143(b) |
| 16 | Application Refused |
| 17 | Application Lapsed Reg. 22.2B(2) |
| 18 | Application Lapsed Reg. 3.2B(3),(5) or (6) |
| 20 | Patent Ceased Section 143A(b)/Reg. 22.2D(2) or (4) |
| 21 | Patent Ceased Section 101C(b)/Section 143A(c)/Reg. 9A.4 |
| 22 | Patent Ceased Section 143A(d), or Expired |
| 23 | Patent Ceased Section 143A(e) |
| 24 | Application Lapsed Reg. 22.2E(2) |
| 25 | Application Lapsed Reg. 22.2I(2) |
| 26 | Application Lapsed Reg. 3.5AC(11) |
| 27 | Application Lapsed Reg. 3.5AF(2F) |
| 28 | Application Lapsed Reg. 22.15A(3) |
| A | Applications on which examination has not been requested or directed |
| B | Applications on which a direction to request examination has been given |
| C | Applications on which examination has been requested or on which an examination report has been issued |
| D | Applications which have been accepted or advertised accepted |
| E | Patents on which an examination has not been requested |
| F | Patents on which an examination has been requested or report issued |
| G | Patents Certified |
| N | Applications not Open to Public Inspection |

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| 2003276016 (14) | 2003277178 (14) | 2003277181 (14) |
| 2003277189 (14) | 2003277195 (14) | 2003277224 (14) |
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Assignments before Grant, Section 113

2017

2017271575 Cargill, Incorporated The application has been assigned to **PIONEER HI-BRED INTERNATIONAL, INC.**

2018

2018288525 MorphoSys AG The application has been assigned to **Adivo GmbH**

2018345806 Neotope Neuroscience Limited The application has been assigned to **Novo Nordisk A/S**

2018345807 Neotope Neuroscience Limited The application has been assigned to **Novo Nordisk A/S**

2019

2019233860 Medicago Inc.; National University Corporation Nara Institute of Science and Technology; Mitsubishi Tanabe Pharma Corporation The application has been assigned to **Medicago Inc.**

2019373154 Renovia Inc. The application has been assigned to **Axena Health, Inc.**

2020

2020204657 Cargill, Incorporated The application has been assigned to **PIONEER HI-BRED INTERNATIONAL, INC.**

2021

2021205277 Perkinelmer Health Sciences Canada, Inc. The application has been assigned to **PerkinElmer Scientific Canada ULC**

Assignments before Grant, Section 113

2021233835 Carlisle Industrial Brake & Friction The application has been assigned to **CMBF, LLC**

2021309963 Geron Corporation The application has been assigned to **Halozyme, Inc.; Geron Corporation**

2021387535 ICE BIOSCIENCE INC.; NANYANG TECHNOLOGICAL UNIVERSITY The application has been assigned to **CHANDY, GEORGE; ONG, SEOW; ICE BIOSCIENCE INC.**

2021426832 RTX CORPORATION The application has been assigned to **Hamilton Sundstrand Corporation**

2021426833 RTX CORPORATION The application has been assigned to **Hamilton Sundstrand Corporation**

2022

2022200193 Remendium Labs LLC The application has been assigned to **Axena Health, Inc.**

2022203412 ABZAC CANADA INC. The application has been assigned to **D'ANGLADE, Pierre-Michel**

2022204795 Remendium Labs LLC The application has been assigned to **Axena Health, Inc.**

2023

2023201722 AKS INDUSTRIES AUSTRALIA PTY LTD The application has been assigned to **AKS COMPANY MANAGEMENT PTY LTD**

2023222995 OPERATIONAL FIRE PTY LTD The application has been assigned to **Safe Roll Pty Ltd**

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.

2015

2015396177 **Company Limited "NextGen"** An application to extend the time from 07 Dec 2022 to 07 Sep 2023 in which to pay a renewal fee has been filed . Address for service - Collison & Co Gpo Box 2556 Adelaide SA 5001 AU

2018

2018393985 **Brunnshög Energi AB** An application to extend the time from 20 Dec 2022 to 20 Jul 2023 The time in which to pay a continuation fee has been filed . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

2019

2019433191 **Sutro Connect Inc.** An application to extend the time from 01 Mar 2023 to 01 Oct 2023 in which to pay a continuation fee has been filed . Address for service - AJ PARK GPO Box 2513 Sydney NSW 2001 AU

Extensions of Time, Section 223**2021**

2021100844 **Kisimul Holdings Pty Ltd** An application to extend the time from 10 Feb 2023 to 10 Oct 2023 in which to pay a renewal fee has been filed . Address for service - Stellar Law Pty Ltd Level 5, 115 Pitt Street Sydney NSW 2000 AU

Applications Allowed - Section 223(2)**2012**

2012254969 **Gribovsky, V.** The time in which to pay a renewal fee has been extended to 16 Jun 2023 . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

2019

2019284352 **R & J East, Inc.** The time in which to request examination has been extended to 15 Aug 2023 . Address for service - Adams Pluck PO Box 905 HORNSBY NSW 2077 AU

2019339182 **Sika Technology AG** The time in which to request examination has been extended to 20 Sep 2023 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

2023

2023204569 **Eli Lilly and Company** The time in which to comply with a direction under Reg 3.2A has been extended to 18 Oct 2023 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

2023208201 **K.J. Manufacturing Co.** The time in which to make a further application for a divisional patent has been extended to 27 Aug 2023 . Address for service - Griffith Hack Level 15 376-390 Collins St MELBOURNE VIC 3000 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.

2013

2013249434 Compositions and methods of modulating 15-PGDH activity **Case Western Reserve University ; University Of Kentucky ; Board of Regents of The University of Texas System** The nature of the amendment is: Amend the name of the inventor to remove MOSS, Melissa . Address for service - Oxygene IP Level 1 70 Doncaster Road BALWYN NORTH VIC 3104 AU

2017

2017279735 SYSTEMS AND METHODS FOR DETERMINING A RACK INTERFACE FOR A MATERIAL HANDLING VEHICLE **The Raymond Corporation** The nature of the amendment is as shown in the statement(s) filed 29 Sep 2023 . Address for service - Pizzeys Pat-

Amendments

ent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

2017313844 Methods and compositions for treating conditions using recombinant self-complementary adeno-associated virus **UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED** The nature of the amendment is: Amend the name of the inventors to add Ghivizzani, Steven C. . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

2017352017 Safety-enhanced needle-free injector **Miracle Management Pte Ltd** The nature of the amendment is: Amend the name of the inventors to read Chuang, Ping Derg and Chuang, David Samuel Leon . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2018

2018200368 COMPOSITIONS AND METHODS OF MODULATING 15-PGDH ACTIVITY **CASE WESTERN RESERVE UNIVERSITY ; BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM ; UNIVERSITY OF KENTUCKY** The nature of the amendment is: Amend the name of the inventor to remove MOSS, Melissa . Address for service - Oxygene IP PO Box 611 BALWYN NORTH VIC 3104 AU

2018241156 Combination of vaccination and inhibition of the PD-1 pathway **CureVac SE** The nature of the amendment is as shown in the statement(s) filed 26 Sep 2023 . Address for service - Allens Patent & Trade Mark Attorneys Deutsche Bank Place Corner Hunter and Phillip Streets SYDNEY NSW 2000 AU

2019

2019356565 Prodrug modulators of the integrated stress pathway **Calico Life Sciences LLC ; AbbVie Inc.** The nature of the amendment is: Amend the name of the inventor to delete MARTIN, Kathleen Ann AND SIDRAUSKI, Carmela . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd Brisbane Club Tower L 15 241 Adelaide St Brisbane City QLD 4000 AU

2020

2020200767 USE OF CHIMERIC ANTIGEN RECEPTOR-MODIFIED T CELLS TO TREAT CANCER **The Trustees of the University of Pennsylvania** The nature of the amendment is as shown in the statement(s) filed 06 Feb 2023 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

2020279614 Vehicle door operator system **Westinghouse Air Brake Technologies Corporation** The nature of the amendment is as shown in the statement(s) filed 15 Sep 2023 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2020286909 A bearing with pads having cooling micro-channels therein, and method **Nuovo Pignone Technologie - S.r.l.** The nature of the amendment is as shown in the statement(s) filed 14 Sep 2023 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2021

2021107590 CONNECTORS FOR ELECTRICAL SYSTEM **Schneider Electric (Australia) Pty Limited** The nature of the

Amendments

amendment is as shown in the statement(s) filed 13 Sep 2023 . Address for service - Madderns Pty Ltd GPO Box 2752 Adelaide SA 5001 AU

2021200941 Differentiation of human embryonic stem cells into pancreatic endocrine cells using HB9 regulators **Janssen Biotech, Inc.** The nature of the amendment is as shown in the statement(s) filed 02 Oct 2023 . Address for service - RnB IP Pty Ltd PO Box 9530 DEAKIN ACT 2600 AU

2021204985 COMPOSITIONS AND METHODS OF MODULATING 15-PGDH ACTIVITY **CASE WESTERN RESERVE UNIVERSITY ; BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM ; UNIVERSITY OF KENTUCKY** The nature of the amendment is: Amend the name of the inventor to remove MOSS, Melissa . Address for service - Oxygene IP PO Box 611 BALWYN NORTH VIC 3104 AU

2023

2023100061 Process for producing herbicide and intermediate thereof **Kumiai Chemical Industry Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 30 Sep 2023 . Address for service - ALLENS PATENT & TRADE MARK ATTORNEYS Deutsche Bank Place Corner Hunter and Phillip Streets SYDNEY NSW 2000 AU

2023100062 Process for producing herbicide and intermediate thereof **Kumiai Chemical Industry Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 30 Sep 2023 . Address for service - ALLENS PATENT & TRADE MARK ATTORNEYS Deutsche Bank Place Corner Hunter and Phillip Streets SYDNEY NSW 2000 AU

2023208068 MACHINE LEARNING BASED OPTIMAL CONTROL SYSTEM FOR MAGNETIC CONTINUOUS VARIABLE TRANSMISSION **Lam , T.T.** The nature of the amendment is as shown in the statement(s) filed 29 Sep 2023 . Address for service - Thanh Tri Lam 8 West St Canley Vale NSW 2166 AU

Amendments Made

2016

2016311454 **Duke University** The nature of the amendment is as shown in the statement(s) filed 19 Jun 2023

2017

2017326323 **Bruckbauer, W.** The nature of the amendment is: Amend the invention title to read DEVICE FOR OPERATING A BUILT-IN KITCHEN APPLIANCE

2017388564 **Pax Water Technologies Inc.** The nature of the amendment is as shown in the statement(s) filed 05 Jul 2023

2018

2018231031 **Nevro Corp.** The nature of the amendment is: Amend the name of the inventor to read Wong, Mark Steven and Johnson, Dane

2018250886 **Chr. Hansen A/S** The nature of the amendment is as shown in the statement(s) filed 28 Apr 2023

2018298874 **Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.** The nature of the amendment is as shown in the statement(s) filed 11 Jun 2023

Amendments

2018373436 **BASF SE** The nature of the amendment is as shown in the statement(s) filed 06 Jun 2023

2018390563 **University of Tennessee Research Foundation** The nature of the amendment is: Amend the name of the inventor to read JABLONSKI, Monica and MOUSTAFA, Mohamed Moustafa Ibrahim

2019

2019275076 **National University of Singapore** The nature of the amendment is: Amend the name of the inventor to read CAMPANA, Dario; VINANICA, Natasha; PNG, Yi Tian and KAMIYA, Takahiro

2019371068 **Navenio Ltd** The nature of the amendment is: Amend the name of the inventor to read KYPRIS, Orfeas; NAWAZ, Sarfraz and TRIGONI, Agathoniki

2020

2020227014 **Memorial Sloan-Kettering Cancer Center; Evive Biotechnology (Shanghai) Ltd** The nature of the amendment is as shown in the statement(s) filed 08 Jun 2023

2020232109 **LG Electronics Inc.** The nature of the amendment is as shown in the statement(s) filed 07 Jul 2023

2020242320 **Navenio Ltd** The nature of the amendment is: Amend the name of the inventor to read NAWAZ, Sarfraz; TRIGONI, Agathoniki; MAGUIRE, Sean; LIVANIOS, Apostolos and AY, Emre

2020312212 **Hager-Electro SAS** The nature of the amendment is: Application is to proceed under the number 2020104495

2020440901 **Huaneng Clean Energy Research Institute** The nature of the amendment is: Application is to proceed under the number 2020104494

2021

2021218105 **Schneider Electric (Australia) Pty Limited** The nature of the amendment is: Application is to proceed under the number 2021107683

2021232776 **Fellowship of Orthopaedic Researchers, Inc.** The nature of the amendment is as shown in the statement(s) filed 12 Jul 2023

2021308834 **Pinotbio, Inc.** The nature of the amendment is as shown in the statement(s) filed 15 Sep 2023 and 05 Oct 2023

2021431022 **BODIT INC.** The nature of the amendment is: Amend the name of the inventor to read CHOO, Kwang Jae; SHIN, Min Yong; YOO, Heung Jong; CHOI, Yoon Chul; KIM, Seongjin and KIM, Nayeon

2021439033 **KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)** The nature of the amendment is: Amend the invention title to read Method for producing iron ore pellets

2021445820 **JIANGSU HUAGENE MEDICAL RESEARCH INSTITUTE CO., LTD.** The nature of the amendment is: Amend the name of the inventor to read ZHU, Hongjian and IARIA, Josephine

Amendments**2022**

2022217363 **VESTESAN HYBRID ENERGY APS** The nature of the amendment is: Amend the invention title to read METHOD, CONTROLLER AND ENERGY SUPPLY SYSTEM FOR OPERATING AN ELECTRICAL GRID into METHOD AND SYSTEM FOR OPERATING AN ELECTRICAL GRID

2022231854 **SES-IMAGOTAG GMBH; SES-IMAGOTAG SA** The nature of the amendment is: Amend the invention title to read Locating a Device on a Shelf Rail

2022234363 **OURA HEALTH OY** The nature of the amendment is: Amend the name of the inventor to read THIGPEN, Nina Nicole; GOT-LIEB, Neta A.; PHO, Gerald and ASCHBACHER, Kirstin Elizabeth

2022245610 **RIKEN; R-NANOBIO CO. LTD.** The nature of the amendment is as shown in the statement(s) filed 26 Sep 2023

2022250020 **DENKA COMPANY LIMITED; NATIONAL UNIVERSITY CORPORATION KUMAMOTO UNIVERSITY** The nature of the amendment is: Amend the invention title to read INFLUENZA VACCINE FOR INTRANASAL ADMINISTRATION

2022251025 **VALLOUREC OIL AND GAS FRANCE; NIPPON STEEL CORPORATION** The nature of the amendment is: Amend the invention title to read Dimensioning Of A Threaded Axial Gap

2022340353 **LG ENERGY SOLUTION, LTD.** The nature of the amendment is: Amend the invention title to read Battery data management system and method therefor

Alteration of Name(s) of Applicant(s)/Patentee(s)**2013**

2013202587 Avita Medical Ltd. ; Quick, Andrew; Dolphin, William The name of the patentee has been altered to **AVITA Medical Pty Ltd; Quick, A.; Dolphin, W.**

2013205148 Avita Medical Ltd. The name of the patentee has been altered to **AVITA Medical Pty Ltd**

2016

2016247056 Lend Lease Building Contractors Pty Limited The name of the applicant has been altered to **Lendlease Construction (Southern) Pty Limited**

2016313110 Adamis Pharmaceuticals Corporation The name of the patentee has been altered to **DMK Pharmaceuticals Corporation**

2017

2017310506 Adamis Pharmaceuticals Corporation The name of the patentee has been altered to **DMK Pharmaceuticals Corporation**

2018

2018224711 Kindred Biosciences, Inc. The name of the applicant has been altered to **Elanco US Inc.**

2018254542 Kindred Biosciences, Inc. The name of the patentee has been altered to **Elanco US Inc.**

Amendments**2019**

2019203244 Adamis Pharmaceuticals Corporation The name of the patentee has been altered to **DMK Pharmaceuticals Corporation**

2019215464 Ibex Biosciences, LLC The name of the applicant has been altered to **Ibex Biosciences, Inc.**

2019220423 Chemieanlagenbau Chemnitz GmbH The name of the patentee has been altered to **CAC ENGINEERING GMBH**

2019239324 Surface Oncology, Inc. ; Adimab LLC The name of the applicant has been altered to **Surface Oncology, LLC; Adimab LLC**

2019269644 E Ink California, LLC The name of the patentee has been altered to **E Ink Corporation**

2019272966 Adamis Pharmaceuticals Corporation The name of the patentee has been altered to **DMK Pharmaceuticals Corporation**

2019321022 DP Polar GmbH The name of the applicant has been altered to **3D Systems GmbH**

2019321395 E Ink California, LLC The name of the patentee has been altered to **E Ink Corporation**

2019338602 Kindred Biosciences, Inc. The name of the applicant has been altered to **Elanco US Inc.**

2019342755 SFJ PHARMACEUTICALS X, LTD. The name of the applicant has been altered to **SFJ Pharma X, Inc.**

2019358060 Ibex Biosciences, LLC The name of the applicant has been altered to **Ibex Biosciences, Inc.**

2019360271 Kindred Biosciences, Inc. The name of the applicant has been altered to **Elanco US Inc.**

2019376412 DP Polar GmbH The name of the applicant has been altered to **3D Systems GmbH**

2019397516 Kindred Biosciences, Inc. The name of the applicant has been altered to **ELANCO US, INC.**

2019399474 Surface Oncology, Inc. The name of the applicant has been altered to **Surface Oncology, LLC**

2019416344 Kindred Biosciences, Inc. The name of the applicant has been altered to **Elanco US Inc.**

2020

2020202668 Adamis Pharmaceuticals Corporation The name of the patentee has been altered to **DMK Pharmaceuticals Corporation**

2020240120 Kindred Biosciences, Inc. The name of the applicant has been altered to **Elanco US Inc.**

2020259122 DP Polar GmbH The name of the applicant has been altered to **3D Systems GmbH**

Amendments

2020259131 DP Polar GmbH The name of the applicant has been altered to **3D Systems GmbH**

2020321376 Kindred Biosciences, Inc. The name of the applicant has been altered to **Elanco US Inc.**

2020325311 Ibex Biosciences, LLC The name of the applicant has been altered to **Ibex Biosciences, Inc.**

2020336210 Kindred Biosciences, Inc. The name of the applicant has been altered to **Elanco US Inc.**

2020353672 Surface Oncology, Inc. The name of the applicant has been altered to **Surface Oncology, LLC**

2020384937 DP Polar GmbH The name of the applicant has been altered to **3D Systems GmbH**

2020400221 Sichuan Kelun-Biotech Biopharmaceutical Co., Ltd.; Harbour Biomed (Suzhou) Co., Ltd. The name of the applicant has been altered to **Sichuan Kelun-Biotech Biopharmaceutical Co., Ltd.; Nona Biosciences (Suzhou) Co., Ltd.**

2020406229 Hitachi Energy Switzerland AG The name of the applicant has been altered to **Hitachi Energy Ltd**

2020431153 Hitachi Energy Switzerland AG The name of the applicant has been altered to **Hitachi Energy Ltd**

2021

2021213406 Hitachi Energy Switzerland AG The name of the applicant has been altered to **Hitachi Energy Ltd**

2021221192 Clean Teq Water Technology Pty Ltd The name of the applicant has been altered to **CLEAN TEQ PTY LTD**

2021223771 DP Polar GmbH The name of the applicant has been altered to **3D Systems GmbH**

2021238320 Kindred Biosciences, Inc. The name of the applicant has been altered to **Elanco US Inc.**

2021254563 E Ink California, LLC The name of the patentee has been altered to **E Ink Corporation**

2021258198 Kindred Biosciences, Inc. The name of the applicant has been altered to **Elanco US Inc.**

2021259785 Kindred Biosciences, Inc. The name of the applicant has been altered to **Elanco US Inc.**

2021391330 BEIJING IMMUNOCHINA PHARMACEUTICALS CO., LTD. ; BEIJING YIMIAOYILIAO CO., LTD. The name of the applicant has been altered to **IMUNOPHARM TECHNOLOGY CO., LTD.; BEIJING YIMIAOYILIAO CO., LTD.**

2021398871 BEIJING IMMUNOCHINA PHARMACEUTICALS CO., LTD. ; SHANDONG JINSAI CO., LTD. The name of the applicant has

Amendments

been altered to **IMUNOPHARM TECHNOLOGY CO., LTD.; SHANDONG JINSAI CO., LTD.**

2021401815 Kindred Biosciences, Inc. The name of the applicant has been altered to **Elanco US Inc.**

2022

2022202254 E Ink California, LLC The name of the patentee has been altered to **E Ink Corporation**

2022205427 Ibex Biosciences, LLC The name of the applicant has been altered to **Ibex Biosciences, Inc.**

2022255944 PIKE THERAPEUTICS INC., 1219014 B.C. LTD The name of the applicant has been altered to **Pike Therapeutics Inc.**

2022270170 Surface Oncology, Inc. The name of the applicant has been altered to **Surface Oncology, LLC**

2023

2023201726 Kindred Biosciences, Inc. The name of the applicant has been altered to **Elanco US Inc.**

2023226676 Kindred Biosciences, Inc. The name of the applicant has been altered to **Elanco US Inc.**

2023229534 E Ink California, LLC The name of the applicant has been altered to **E Ink Corporation**

2023237020 DC and GC Investments Pty Ltd The name of the applicant has been altered to **O'Connell, D.**

Applications Open to Public Inspection

Name Index

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

(71) ACCESS CLOSURE, INC.
 (11) AU-A-2023237172
 (21) 2023237172 (22) 29.09.2023
 (54) Chitosan and polyethylene glycol copolymers and methods and devices for using same for sealing a vascular puncture
 (51) Int. Cl.
 A61L 31/04 (2006.01)
 A61L 31/06 (2006.01)
 A61L 31/14 (2006.01)
 (43) 19.10.2023
 (62) 2021204805
 (72) MYLONAKIS, Andreas; LIM, Florencia
 (74) Griffith Hack

(71) Adobe Inc.
 (11) AU-A-2023200526
 (21) 2023200526 (22) 01.02.2023
 (54) IMMERSNET: A GENERATIVE MODEL FOR EXTRAPOLATING 360° PANORAMAS FROM NARROW FIELD OF VIEW IMAGE
 (51) Int. Cl.
 G06T 3/00 (2006.01)
 G06T 11/00 (2006.01)
 H04N 5/262 (2006.01)
 H04N 19/59 (2014.01)
 (31) 63/326,661 (32) 01.04.22 (33) US
 (43) 19.10.2023
 (72) Hold-Geoffroy, Yannick; Kim, Vladimir; Dastjerdi, Mohammad Reza Karimi; Eisenmann, Jonathan; Lalonde, Jean-François
 (74) RnB IP Pty Ltd

(71) Air Products and Chemicals, Inc.
 (11) AU-A-2023237164
 (21) 2023237164 (22) 29.09.2023
 (54) LIQUEFACTION SYSTEM
 (51) Int. Cl.
 F25J 1/00 (2006.01)
 (43) 19.10.2023
 (62) 2021204327
 (72) Roberts, Mark Julian; Dally, John A.
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Alcresta Therapeutics, Inc.
 (11) AU-A-2023237167
 (21) 2023237167 (22) 29.09.2023
 (54) Devices and methods for preparing and administering a nutritional formula
 (51) Int. Cl.
 A23L 29/00 (2016.01)
 A23L 33/00 (2016.01)
 A61K 9/00 (2006.01)
 A61K 38/46 (2006.01)
 A61M 5/142 (2006.01)

C12N 9/20 (2006.01)
C12N 9/26 (2006.01)
C12N 9/50 (2006.01)
 (43) 19.10.2023
 (62) 2018330178
 (72) FIRST, Eric; WIDOM, David; STONE, Albert Archie; SCHOEVAART, Willem Robert Klass; VAN VLIET, Michel Christian Alexander
 (74) Spruson & Ferguson

(71) ALDI SÜD Dienstleistung-SE & Co. oHG
 (11) AU-A-2022224784
 (21) 2022224784 (22) 31.08.2022
 (54) Till system for goods
 (51) Int. Cl.
 G06Q 20/20 (2012.01)
 A47F 9/02 (2006.01)
 G06Q 30/06 (2012.01)
 G06Q 50/10 (2012.01)
 G07G 1/00 (2006.01)
 (31) EP22166521.9 (32) 04.04.22 (33) EP
 (43) 19.10.2023
 (72) Krone, Jürgen; Veiser, Michael
 (74) Spruson & Ferguson

(71) Apple Inc.
 (11) AU-A-2023237127
 (21) 2023237127 (22) 28.09.2023
 (54) Crown input for a wearable electronic device
 (51) Int. Cl.
 G06F 3/0362 (2013.01)
 G04G 21/00 (2010.01)
 (43) 19.10.2023
 (62) 2021212114
 (72) Zambetti, Nicholas; Chaudhri, Imran; Dascola, Jonathan R.; Dye, Alan C.; Foss, Christopher Patrick; Guzman, Aurelio; Karunamuni, Chanaka G.; Kerr, Duncan Robert; Lemay, Stephen O.; Wilson, Christopher; Wilson, Eric Lance; Yang, Lawrence Y.; Butcher, Gary I; Ive, Jonathan P.; Lynch, Kevin
 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.
 (11) AU-A-2023237162
 (21) 2023237162 (22) 29.09.2023
 (54) User interfaces with variable appearances
 (51) Int. Cl.
 G06F 3/14 (2006.01)
 G06F 3/041 (2006.01)
 (43) 19.10.2023
 (62) 2022201720
 (72) Dellinger, Richard R.
 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.
 (11) AU-A-2023237163
 (21) 2023237163 (22) 29.09.2023
 (54) Media browsing user interface with intelligently selected representative media items
 (51) Int. Cl.
 G06F 16/44 (2019.01)
 G06F 3/01 (2006.01)
 G06F 3/0482 (2013.01)
 G06F 16/54 (2019.01)
 G06F 16/74 (2019.01)

(43) 19.10.2023
 (62) 2022201810
 (72) Clarke, Graham R.; Aujoulet, Kevin; Bessiere, Kevin; Bovet, Simon; Circlaeys, Eric M.G.; Dellinger, Richard R.; Devine, Lynne; Dye, Alan C.; Gobera Rubalcava, Daniel E.; Hirmer, Benedikt; Karlsson, Andreas; Leblanc, Chelsea; Lucas, Matthieu; Manzari, Johnnie B.; Ryan, Nicole R.; Sorrentino III, William A.; Souza Dos Santos, Andre; Suzuki, Gregg; Tatarchuk, Sergey; Titi, Justin
 (74) FPA Patent Attorneys Pty Ltd

(71) Aristocrat Technologies, Inc.
 (11) AU-A-2023201314
 (21) 2023201314 (22) 03.03.2023
 (54) SYSTEMS AND METHODS FOR ELECTRONIC GAMING WITH PROGRESSIVELY INCREASING OUTPUTS
 (51) Int. Cl.
 G07F 17/32 (2006.01)
 (31) 17/706,956 (32) 29.03.22 (33) US
 (43) 19.10.2023
 (72) Marsh, David; Roelofs, Karl; North, Ryan
 (74) James & Wells Intellectual Property

(71) Aristocrat Technologies, Inc.
 (11) AU-A-2023201315
 (21) 2023201315 (22) 03.03.2023
 (54) SYSTEMS AND METHODS FOR PLAYING A WAGERING GAME IN WHICH SYMBOLS ARE POPULATED FROM ONE OR MORE REELS TO A BINGO CARD
 (51) Int. Cl.
 G07F 17/32 (2006.01)
 (31) 17/708,903 (32) 30.03.22 (33) US
 (43) 19.10.2023
 (72) Marks, Daniel; Xu, Hua; Jain, Lokesh; Bhandari, Ashish
 (74) James & Wells Intellectual Property

(71) Aristocrat Technologies, Inc.
 (11) AU-A-2023201923
 (21) 2023201923 (22) 29.03.2023

Applications Open to Public Inspection - Name Index cont'd

- (54) ELECTRONIC GAMING MACHINE DISPLAY UNIT WITH AN INTEGRATED SPEAKER TRANSDUCER FOR FORMING A DIRECTIONAL SPEAKER CONE
(51) Int. Cl.
A63F 13/25 (2014.01)
G06F 3/147 (2006.01)
H04R 23/02 (2006.01)
(31) 18/127,534 (32) 28.03.23 (33) US
63/326,225 31.03.22 US
(43) 19.10.2023
(72) Rodriguez, Frank; Shaffer, Jr., Stephen
(74) James & Wells Intellectual Property
-
- (71) Aristocrat Technologies Australia Pty Limited
(11) AU-A-2023201318
(21) 2023201318 (22) 03.03.2023
(54) Controller Device for Variably Controlling Game Features, Elements and Operations in Electronic Gaming Machines and Systems
(51) Int. Cl.
G07F 17/32 (2006.01)
(31) 63/326,212 (32) 31.03.22 (33) US
18/112,677 22.02.23 US
(43) 19.10.2023
(72) Perrow, Shane
(74) James & Wells Intellectual Property
-
- (71) Aristocrat Technologies Australia Pty Limited
(11) AU-A-2023237113
(21) 2023237113 (22) 27.09.2023
(54) A GAMING SYSTEM AND A METHOD OF GAMING
(51) Int. Cl.
A63F 13/69 (2014.01)
(43) 19.10.2023
(62) 2021212161
(72) SAN, Kin Wai
(74) Griffith Hack
-
- (71) Aristocrat Technologies Australia Pty Limited
(11) AU-A-2023237175
(21) 2023237175 (22) 29.09.2023
(54) A SYSTEM AND METHOD OF GAMING
(51) Int. Cl.
G07F 17/32 (2006.01)
(43) 19.10.2023
(62) 2021218234
(72) ASHLEY, Patrick Simon; ROUKIS, George; VISSER, Christian Antoon
(74) Griffith Hack
-
- (71) Aristocrat Technologies Australia Pty Limited
(11) AU-A-2023237177
(21) 2023237177 (22) 29.09.2023
(54) A GAMING SYSTEM WITH GEOFENCED FUNDS TRANSFER
(51) Int. Cl.
G07F 17/32 (2006.01)
G06Q 20/36 (2012.01)
-
- G06Q 30/0226** (2023.01)
(43) 19.10.2023
(62) 2019232826
(72) WYLLIE, Andrew; WONG, Alan
(74) Griffith Hack
-
- (71) Ascendis Pharma A/S
(11) AU-A-2023237191
(21) 2023237191 (22) 29.09.2023
(54) Auto injector with variable plunger force
(51) Int. Cl.
A61M 5/20 (2006.01)
A61M 5/315 (2006.01)
(43) 19.10.2023
(62) 2018272907
(72) EGESBORG, Henrik; JENSEN, Steen; LARSEN, Martin Nørgaard; ELKJÆR, Johnny; ANDERSEN, Bjørn Knud
(74) Spruson & Ferguson
-
- (71) AstraZeneca AB
(11) AU-A-2023214323
(21) 2023214323 (22) 10.08.2023
(54) METHODS FOR IMPROVING ASTHMA SYMPTOMS USING BENRALIZUMAB
(51) Int. Cl.
A61K 39/00 (2006.01)
A61K 39/395 (2006.01)
G01N 33/48 (2006.01)
(43) 19.10.2023
(62) 2020202564
(72) Ward, Christine; Roskos, Lorin; Wang, Bing; Raible, Donald
(74) PHILLIPS ORMONDE FITZPATRICK
-
- (71) AXS Group LLC
(11) AU-A-2023201979
(21) 2023201979 (22) 31.03.2023
(54) SYSTEMS AND METHODS FOR PROVIDING TEMPORARY ACCESS CREDENTIALS TO ACCESS PHYSICAL LOCATIONS
(51) Int. Cl.
H04W 4/02 (2018.01)
(31) 63/362,321 (32) 31.03.22 (33) US
17/658,333 07.04.22 US
18/053,173 07.11.22 US
(43) 19.10.2023
(72) Rojas, Michael J.
(74) James & Wells Intellectual Property
-
- (71) Beijing Baidu Netcom Science Technology Co., Ltd.
(11) AU-A-2023237190
(21) 2023237190 (22) 29.09.2023
(54) System for processing quantum task, method for processing quantum task and related apparatuses
(51) Int. Cl.
G06N 10/00 (2022.01)
G06N 10/20 (2022.01)
G06N 10/40 (2022.01)
(31) 202310134319.2 (32) 09.02.23 (33) CN
-
- (43) 19.10.2023
(72) MENG, Zelin; LIU, Shusen; GUO, Xueyi; YAN, Zixian; ZHANG, Wenxue; HE, Yang
(74) FB Rice Pty Ltd
-
- (71) BENNETT, S.
(11) AU-A-2023202017
(21) 2023202017 (22) 02.04.2023
(54) Particulate capture methods, devices and systems for rotary machine tools
(51) Int. Cl.
B23B 25/04 (2006.01)
B08B 15/04 (2006.01)
(31) 63/326,998 (32) 04.04.22 (33) US
(43) 19.10.2023
(72) BENNETT, Scott
(74) A.P.T. Patent and Trade Mark Attorneys
-
- (71) BLUE EGGPLANT PTY LTD
(11) AU-A-2023229614
(21) 2023229614 (22) 15.09.2023
(54) LAPTOP DISPLAY SYSTEMS
(51) Int. Cl.
G06F 1/16 (2006.01)
G06F 1/20 (2006.01)
(43) 19.10.2023
(62) 2022291645
(72) THOMAS-BRIGDEN, Benjamin
(74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD
-
- (71) Boehringer Ingelheim Vetmedica GmbH
(11) AU-A-2023237139
(21) 2023237139 (22) 28.09.2023
(54) Treatment of metabolic disorders in feline animals
(51) Int. Cl.
A61K 31/7034 (2006.01)
A61P 3/00 (2006.01)
A61P 3/04 (2006.01)
A61P 3/06 (2006.01)
A61P 3/10 (2006.01)
(43) 19.10.2023
(62) 2021269354
(72) REICHE, Dania Birte; HENNINGS, Leah Jeanette; KLEY, Saskia; TRAAS, Anne M.
(74) FB Rice Pty Ltd
-
- (71) Britax Child Safety, Inc.
(11) AU-A-2023201927
(21) 2023201927 (22) 29.03.2023
(54) INFANT CAR SEAT BASE ATTACHMENT MECHANISM
(51) Int. Cl.
B60N 2/28 (2006.01)
(31) 63/326,036 (32) 31.03.22 (33) US
(43) 19.10.2023
(72) Messner, Mark Matthew; Shellenberger, Mitchell L.; Walsh, Quentin G.; Hoover, Brandon
(74) Madderns Pty Ltd

Applications Open to Public Inspection - Name Index cont'd

(71) Burns, D.
 (11) AU-A-2022202243
 (21) 2022202243 (22) 04.04.2022
 (54) COLLOCATED BICYCLE LIGHT AND BELL ASSEMBLY
 (51) Int. Cl.
B62J 6/028 (2020.01)
B62J 3/04 (2020.01)
B62J 6/015 (2020.01)
B62J 6/029 (2020.01)
B62J 6/03 (2020.01)
F21V 23/00 (2015.01)
F21V 23/04 (2006.01)
F21V 33/00 (2006.01)
F21V 21/088 (2006.01)
 (43) 19.10.2023
 (72) Burns, Desmond
 (74) DESIGN BRAINS PTY. LTD.

(71) Cagent Vascular, Inc.
 (11) AU-A-2023237117
 (21) 2023237117 (22) 28.09.2023
 (54) SYSTEMS AND METHODS OF DEPOSITING DRUG INTO TISSUE THROUGH SERRATIONS
 (51) Int. Cl.
A61M 25/10 (2013.01)
A61M 37/00 (2006.01)
 (43) 19.10.2023
 (62) 2017361422
 (72) Giasolli, Robert M.; Schneider, Peter; Johansson, Peter; Burns, Carol
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) CareFusion 303, Inc.
 (11) AU-A-2023201790
 (21) 2023201790 (22) 22.03.2023
 (54) Infusion device hub for intelligent operation of infusion accessories
 (51) Int. Cl.
G16H 40/60 (2018.01)
A61M 5/14 (2006.01)
A61M 5/172 (2006.01)
G06F 13/10 (2006.01)
 (31) 63/322,628 (32) 22.03.22 (33) US
 (43) 19.10.2023
 (72) MOONEY, Keith; O'BRIEN, Kevin
 (74) FB Rice Pty Ltd

(71) CATERPILLAR INC.
 (11) AU-A-2023201480
 (21) 2023201480 (22) 09.03.2023
 (54) ROBUST HIGH VOLTAGE CABLE ROUTING/MOUNTING COUPLING
 (51) Int. Cl.
H01B 7/00 (2006.01)
H01R 13/00 (2006.01)
 (31) 17/709,999 (32) 31.03.22 (33) US
 (43) 19.10.2023
 (72) JACKSON, Robert A.
 (74) FPA Patent Attorneys Pty Ltd

(71) CATERPILLAR INC.
 (11) AU-A-2023201481
 (21) 2023201481 (22) 09.03.2023
 (54) FRONT AXLE FOR MINING MACHINES

(51) Int. Cl.
B60B 35/08 (2006.01)
 (31) 17/657,372 (32) 31.03.22 (33) US
 (43) 19.10.2023
 (72) SIVAKUMAR, Dinesh; EHURAJ, Regini S.; FUJIAN, Steven J.; SHAFFER, Scott M.
 (74) FPA Patent Attorneys Pty Ltd

(71) CATERPILLAR INC.
 (11) AU-A-2023201627
 (21) 2023201627 (22) 15.03.2023
 (54) MOUNTING SYSTEM FOR MACHINE
 (51) Int. Cl.
E02F 9/08 (2006.01)
B60K 15/067 (2006.01)
 (31) 17/657,647 (32) 01.04.22 (33) US
 (43) 19.10.2023
 (72) JACKSON, Robert A.
 (74) FPA Patent Attorneys Pty Ltd

(71) CATERPILLAR PAVING PRODUCTS INC.
 (11) AU-A-2023201660
 (21) 2023201660 (22) 16.03.2023
 (54) WORK MACHINE STABILITY MONITORING SYSTEM
 (51) Int. Cl.
E02F 9/26 (2006.01)
E02F 9/24 (2006.01)
G05D 1/00 (2006.01)
 (31) 17/713,585 (32) 05.04.22 (33) US
 (43) 19.10.2023
 (72) NAGEL, Brian D.; METZGER, Clinton A.; UITERMARKT, Bryce D.; BURGER, Tyler S.; RAHMAN, Rianto A.; LINDHOLM, Timothy J.
 (74) FPA Patent Attorneys Pty Ltd

(71) Caterpillar Underground Mining Pty. Ltd.
 (11) AU-A-2023201659
 (21) 2023201659 (22) 16.03.2023
 (54) CONTROL SYSTEM FOR ACTUATED PINS
 (51) Int. Cl.
E02F 3/38 (2006.01)
B66F 17/00 (2006.01)
E02F 3/43 (2006.01)
E02F 9/00 (2006.01)
 (31) 17/712,907 (32) 04.04.22 (33) US
 (43) 19.10.2023
 (72) ALBERS, Riley A.; WIGG, Jason P.; DICKER, Dennis W.; FRANKS, Rowan T.; HEROLD, Robert A.; KRAUSE, Steven R.; SAYEED, Fuaad A.; THOMPSON, Brodie L.
 (74) FPA Patent Attorneys Pty Ltd

(71) Cheng, J.; Huang, P.
 (11) AU-A-2023237178
 (21) 2023237178 (22) 29.09.2023
 (54) NETWORKING DEVICE AND CONTROL SYSTEM AND METHOD THEREOF
 (51) Int. Cl.
H04L 29/08 (2006.01)

(71) Cheng, J.; Huang, P.
 (11) AU-A-2023237178
 (21) 2023237178 (22) 29.09.2023
 (54) NETWORKING DEVICE AND CONTROL SYSTEM AND METHOD THEREOF
 (51) Int. Cl.
H04L 29/08 (2006.01)

(43) 19.10.2023
 (62) 2018325923
 (72) CHENG, Jay; HUANG, Po-Ting
 (74) Madderns Pty Ltd

(71) CNH Industrial America LLC
 (11) AU-A-2023201971
 (21) 2023201971 (22) 31.03.2023
 (54) System and method for an agricultural applicator
 (51) Int. Cl.
A01M 7/00 (2006.01)
 (31) 17/710,020 (32) 31.03.22 (33) US
 (43) 19.10.2023
 (72) Sheth, Yogesh
 (74) Griffith Hack

(71) Deere & Company
 (11) AU-A-2023201282
 (21) 2023201282 (22) 02.03.2023
 (54) Methods, systems, and apparatuses for bulk material meter calibration
 (51) Int. Cl.
A01C 7/10 (2006.01)
A01C 7/08 (2006.01)
 (31) 63/362436 (32) 04.04.22 (33) US
 17/810066 30.06.22 US
 (43) 19.10.2023
 (72) Strief, Jeremy M.; Kaldenbach, Robert; Kale, Mandar M.; Ekhe, Sandeep; Kale, Pradeep; Manjrekar, Prasad; Garner, Elijah B.; Harmon, Andrew W.
 (74) Davies Collison Cave Pty Ltd

(71) Deere & Company; Iowa State University Research Foundation, Inc.
 (11) AU-A-2023201283
 (21) 2023201283 (22) 02.03.2023
 (54) A crop feed rate control system for a harvester vehicle
 (51) Int. Cl.
A01D 41/127 (2006.01)
A01D 41/14 (2006.01)
 (31) 17/711384 (32) 01.04.22 (33) US
 (43) 19.10.2023
 (72) Wigdahl, Jeffrey S.; Askey, Jeffrey C.; Cracraft, Mark A.; Gopal, Vasisvaran
 (74) Davies Collison Cave Pty Ltd

(71) Deere & Company; Iowa State University Research Foundation, Inc.
 (11) AU-A-2023201285
 (21) 2023201285 (22) 02.03.2023
 (54) Sensor fusion system for improved accumulator fill level in a harvester vehicle
 (51) Int. Cl.
A01D 46/08 (2006.01)
A01F 15/08 (2006.01)
 (31) 17/711575 (32) 01.04.22 (33) US
 (43) 19.10.2023
 (72) Wigdahl, Jeffrey S.; Askey, Jeffrey C.; Cracraft, Mark A.; Carlson, Robert R.; Mandernach, Grant W.
 (74) Davies Collison Cave Pty Ltd

Applications Open to Public Inspection - Name Index cont'd

(71) Deere & Company
 (11) AU-A-2023201303
 (21) 2023201303 (22) 02.03.2023
 (54) Systems and methods for predicting ground engagement and control
 (51) Int. Cl.
 A01B 63/111 (2006.01)
 A01B 49/02 (2006.01)
 A01B 63/32 (2006.01)
 (31) 63/327,236 (32) 04.04.22 (33) US
 (43) 19.10.2023
 (72) Hubner, Cary S; Graham, William D; Vandike, Nathan R
 (74) Davies Collison Cave Pty Ltd

(71) Deere & Company
 (11) AU-A-2023201305
 (21) 2023201305 (22) 02.03.2023
 (54) Systems and methods for predictive ground engaging machine control
 (51) Int. Cl.
 A01B 63/111 (2006.01)
 A01B 63/32 (2006.01)
 (31) 63/327,241 (32) 04.04.22 (33) US
 (43) 19.10.2023
 (72) Palla, Bhanu Kiran Reddy; Peterson, Andrew J; Hubner, Cary S; Graham, William D; Vandike, Nathan R
 (74) Davies Collison Cave Pty Ltd

(71) Deere & Company
 (11) AU-A-2023237132
 (21) 2023237132 (22) 28.09.2023
 (54) Spring-loaded guide to reduce variation in a volumetric meter
 (51) Int. Cl.
 A01C 7/18 (2006.01)
 A01C 7/20 (2006.01)
 G01F 11/26 (2006.01)
 (43) 19.10.2023
 (62) 2021203841
 (72) Garner, Elijah B.; Arnold, Matthew David; Whitcomb, Drew M.
 (74) Davies Collison Cave Pty Ltd

(71) Deere & Company
 (11) AU-A-2023237135
 (21) 2023237135 (22) 28.09.2023
 (54) Seed metering system and method of operating the same
 (51) Int. Cl.
 A01C 7/04 (2006.01)
 (43) 19.10.2023
 (62) 2021204195
 (72) Garner, Elijah B.; Wolfs, Beth A.; Pearson, Nathaniel
 (74) Davies Collison Cave Pty Ltd

Dirks, K. see Gill, S.
 (21) 2022203082

(71) Dolby International AB
 (11) AU-A-2023237179
 (21) 2023237179 (22) 29.09.2023
 (54) Layered coding for compressed sound or sound field representations

(51) Int. Cl.
 G10L 19/008 (2013.01)
 (43) 19.10.2023
 (62) 2021221861
 (72) KORDON, Sven; KRUEGER, Alexander
 (74) Spruson & Ferguson

(71) Domin Pty Ltd; Iwaloye, A.D.
 (11) AU-A-2023237157
 (21) 2023237157 (22) 29.09.2023
 (54) E-card
 (51) Int. Cl.
 G06Q 20/40 (2012.01)
 G06Q 20/10 (2012.01)
 G06Q 40/02 (2023.01)
 G07F 7/08 (2006.01)
 (31) 13/1185534 (32) 30.05.11 (33) US
 (43) 19.10.2023
 (72) Iwaloye, Abiodun Daniel
 (74) Domin Pty Ltd

(71) Drawbridge Health, Inc.
 (11) AU-A-2023237130
 (21) 2023237130 (22) 28.09.2023
 (54) Devices, systems, and methods for sample collection
 (51) Int. Cl.
 A61B 5/15 (2006.01)
 (43) 19.10.2023
 (62) 2018207302
 (72) Beyerlein, Dagmar; Drexel, Masao; Jordan, Brett L.; Jackson, Alicia; Juneau, Kara
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Eiger BioPharmaceuticals, Inc.; The Board of Trustees of the Leland Stanford Junior University
 (11) AU-A-2023237119
 (21) 2023237119 (22) 28.09.2023
 (54) BUFFERED FORMULATIONS OF EX-ENDIN (9-39)
 (51) Int. Cl.
 A61K 9/08 (2006.01)
 A61K 38/16 (2006.01)
 A61P 3/10 (2006.01)
 (43) 19.10.2023
 (62) 2017361539
 (72) Xiong, Xiaofeng; Odink, Debra; Craig, Colleen M.; Smith, Christine M. N.; McLaughlin, Tracey L.
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Endotronix, Inc.
 (11) AU-A-2023237195
 (21) 2023237195 (22) 29.09.2023
 (54) WIRELESS SENSOR READER ASSEMBLY
 (51) Int. Cl.
 A61B 5/00 (2006.01)
 A61B 5/0215 (2006.01)

(43) 19.10.2023
 (62) 2018224198
 (72) Sundaram, Balamurugan; Nagy, Michael; Nielsen, Douglas; Sundaram, Suresh; Rowland, Harry
 (74) Maxwells Patent & Trade Mark Attorneys Pty Ltd

(71) EOS Energy Technology Holdings, LLC
 (11) AU-A-2023237153
 (21) 2023237153 (22) 28.09.2023
 (54) Bipolar electrode comprising a loaded carbon felt
 (51) Int. Cl.
 H01M 4/86 (2006.01)
 H01M 4/88 (2006.01)
 H01M 4/96 (2006.01)
 H01M 10/36 (2010.01)
 H01M 12/08 (2006.01)
 H01M 8/18 (2006.01)
 (43) 19.10.2023
 (62) 2018375287
 (72) RICHEY, Francis W.
 (74) FB Rice Pty Ltd

(71) ERGON ENERGY ON THE GO PTY LTD
 (11) AU-A-2022202164
 (21) 2022202164 (22) 30.03.2022
 (54) Technical methodology for conversion of real assets into digital representation, setting up an automated energy retailer based on blockchain technology and smart contract utilization and decentralized platform, and awarding of Endeavor for green energy generation, building green energy production facilities, and developing sustainable Net-Zero residential estates.
 (51) Int. Cl.
 G06Q 30/02 (2012.01)
 G06Q 30/00 (2012.01)
 G06Q 30/06 (2012.01)
 G06Q 40/04 (2012.01)
 G06Q 50/06 (2012.01)
 G06Q 90/00 (2006.01)
 (43) 19.10.2023
 (72) Neimar-Saric, Elma; Saric, Adi
 (74) Serenity Source Pty Ltd

(71) FalCom A/S
 (11) AU-A-2023201935
 (21) 2023201935 (22) 30.03.2023
 (54) Clip for removably securing a device to a plurality of straps
 (51) Int. Cl.
 A45F 5/02 (2006.01)
 (31) PA202270153 (32) 31.03.22 (33) DK
 (43) 19.10.2023
 (72) NORDSTRØM, Morten
 (74) FB Rice Pty Ltd

(71) FCI Holdings Delaware, Inc.
 (11) AU-A-2023202083
 (21) 2023202083 (22) 04.04.2023
 (54) Systems for dynamic testing of a ground support element

Applications Open to Public Inspection - Name Index cont'd

(51) Int. Cl.
G01N 3/30 (2006.01)
G01L 5/00 (2006.01)
G01M 7/08 (2006.01)
(31) 2022900891 (32) 05.04.22 (33) AU
(43) 19.10.2023
(72) CRAIG, Peter Harold; DUNCAN, Ian;
HOLDEN, Matthew Raffaele
(74) FB Rice Pty Ltd

(71) Fire & Flood Emergency Services Ltd.
(11) AU-A-2023237169
(21) 2023237169 (22) 29.09.2023
(54) FIRE SUPPRESSION SYSTEM AND
PROCESS OF DEPLOYMENT
(51) Int. Cl.
A62C 3/02 (2006.01)
A62C 35/58 (2006.01)
A62C 35/68 (2006.01)
(43) 19.10.2023
(62) 2019243551
(72) RAYMOND, Terry
(74) James & Wells Intellectual Property

(71) FISHER & PAYKEL HEALTHCARE
LIMITED
(11) AU-A-2023237182
(21) 2023237182 (22) 29.09.2023
(54) Respiratory interface
(51) Int. Cl.
A61M 16/06 (2006.01)
(43) 19.10.2023
(62) 2021269276
(72) Nightingale, Christopher Earl; Olsen,
Gregory James; Prentice, Craig Robert;
Smith, Daniel John; Huddart, Brett
John; Salmon, Andrew Paul Maxwell;
Allan, Olivia Marie; Harwood, Jonathan
David
(74) AJ PARK

(71) Fortescue Future Industries Pty Ltd
(11) AU-A-2023237147
(21) 2023237147 (22) 28.09.2023
(54) Portable Offboard Power Unit for Elec-
tric Mining Equipment
(51) Int. Cl.
H02J 1/10 (2006.01)
H01M 8/247 (2016.01)
H01M 8/249 (2016.01)
H01M 16/00 (2006.01)
H02J 3/32 (2006.01)
H02M 3/02 (2006.01)
H02M 7/42 (2006.01)
(43) 19.10.2023
(62) 2021221809
(72) PAPESH, Brent; MANNING, Gregory;
FRANKLIN, Clayton
(74) Davies Collison Cave Pty Ltd

Gábor, R. see Giber, J.
(21) 2023237186

(71) Giber, J.; Gábor, R.; Lovász, S.
(11) AU-A-2023237186
(21) 2023237186 (22) 29.09.2023

(54) Adapter, process and use for instillation
of agents into the bladder through the
urethra without catheter
(51) Int. Cl.
A61B 1/307 (2006.01)
A61M 3/02 (2006.01)
(43) 19.10.2023
(62) 2021204442
(72) Lovász, Sándor; Gábor, Rényi; Giber,
János
(74) Griffith Hack

(71) Gill, S.; Gillette, W.; Dirks, K.
(11) AU-A-2022203082
(21) 2022203082 (22) 09.05.2022
(54) Fluid sample container cap
(51) Int. Cl.
B01L 3/00 (2006.01)
B65D 41/04 (2006.01)
B65D 47/20 (2006.01)
B65D 47/36 (2006.01)
B65D 55/02 (2006.01)
(31) 17/711,645 (32) 01.04.22 (33) US
(43) 19.10.2023
(72) Gill, Sarjit; Gillette, William; Dirks,
Keith
(74) FB Rice Pty Ltd

Gillette, W. see Gill, S.
(21) 2022203082

(71) Giberide, Inc.
(11) AU-A-2023200623
(21) 2023200623 (22) 07.02.2023
(54) FISHING REEL
(51) Int. Cl.
A01K 89/01 (2006.01)
(31) 2022-057882 (32) 31.03.22 (33) JP
(43) 19.10.2023
(72) TSUSHIMA, Daisuke; HORIE, Hironori
(74) K&L Gates

(71) Giberide, Inc.
(11) AU-A-2023200624
(21) 2023200624 (22) 07.02.2023
(54) FISHING SPINNING REEL
(51) Int. Cl.
A01K 89/01 (2006.01)
B65H 75/30 (2006.01)
(31) 2022-057881 (32) 31.03.22 (33) JP
(43) 19.10.2023
(72) TSUSHIMA, Daisuke
(74) K&L Gates

(71) Giberide, Inc.
(11) AU-A-2023200625
(21) 2023200625 (22) 07.02.2023
(54) FISHING REEL
(51) Int. Cl.
A01K 89/01 (2006.01)
B65H 75/30 (2006.01)
(31) 2022-057880 (32) 31.03.22 (33) JP
(43) 19.10.2023
(72) TSUSHIMA, Daisuke; HORIE, Hironori
(74) K&L Gates

(71) Giberide, Inc.
(11) AU-A-2023200626
(21) 2023200626 (22) 07.02.2023
(54) FISHING SPINNING REEL
(51) Int. Cl.
A01K 89/01 (2006.01)
(31) 2022-057879 (32) 31.03.22 (33) JP
(43) 19.10.2023
(72) HORIE, Hironori; TSUSHIMA, Daisuke
(74) K&L Gates

(71) Gritstone Bio, Inc.
(11) AU-A-2023237057
(21) 2023237057 (22) 26.09.2023
(54) Antigen-binding proteins targeting
shared antigens
(51) Int. Cl.
C07K 14/725 (2006.01)
A61K 49/00 (2006.01)
A61K 51/10 (2006.01)
(43) 19.10.2023
(62) 2018395397
(72) JOOSS, Karin; BLAIR, Wade; BU-
LIK-SULLIVAN, Brendan; BUSBY,
Michele, Anne; BUSBY, Jennifer;
FRANCIS, Joshua, Michael; GROTEN-
BREG, Gijsbert, Marnix; SKOBERNE,
Mojca; YELENSKY, Roman
(74) FB Rice Pty Ltd

(71) Guangdong Wireking Housewares &
Hardware Co., Ltd
(11) AU-A-2022263507
(21) 2022263507 (22) 02.11.2022
(54) TWISTABLE AND STACKABLE SHELF
AND CONNECTING DEVICE THERE-
OF
(51) Int. Cl.
A47B 96/06 (2006.01)
A47B 47/02 (2006.01)
A47B 57/00 (2006.01)
A47F 5/10 (2006.01)
A47F 5/13 (2006.01)
A47F 5/14 (2006.01)
(31) 202220721731.5 (32) 30.03.22 (33) CN
(43) 19.10.2023
(72) Liu, Nengwen; Wu, Jianbin; Li, Feifei;
Liang, Jingyuan
(74) Remarkable IP

(71) Hefei Zero Carbon Technology Co., Ltd
(11) AU-A-2023200878
(21) 2023200878 (22) 16.02.2023
(54) Method, apparatus and device for soft-
ware testing, and compute-readable
storage medium
(51) Int. Cl.
G06F 11/36 (2006.01)
(31) 202210344223.4 (32) 02.04.22 (33) CN
(43) 19.10.2023
(72) GONG, Cunhao
(74) FB Rice Pty Ltd

(71) Henke-Sass, Wolf GmbH
(11) AU-A-2023201895
(21) 2023201895 (22) 28.03.2023

Applications Open to Public Inspection - Name Index cont'd

(54) Device for needle-free injection of a fluid into an animal
 (51) Int. Cl.
A61M 5/30 (2006.01)
A61D 7/00 (2006.01)
A61M 5/315 (2006.01)
A61M 5/42 (2006.01)
 (31) 102022107416.1 (32) 29.03.22 (33) DE
 (43) 19.10.2023
 (72) Altermann, Frank; Wiedmann, Maikel; Sauter, Robin; Schmidt, Anika
 (74) Davies Collison Cave Pty Ltd

(71) Henke-Sass, Wolf GmbH
 (11) AU-A-2023201906
 (21) 2023201906 (22) 29.03.2023
 (54) Device for needle-free injection of a fluid
 (51) Int. Cl.
A61M 5/30 (2006.01)
A61D 7/00 (2006.01)
A61M 5/20 (2006.01)
A61M 5/315 (2006.01)
 (31) 102022107418.8 (32) 29.03.22 (33) DE
 (43) 19.10.2023
 (72) Altermann, Frank; Wiedmann, Maikel
 (74) Davies Collison Cave Pty Ltd

(71) Hollister Incorporated
 (11) AU-A-2023237120
 (21) 2023237120 (22) 28.09.2023
 (54) Medical device package with flip cap having a snap fit
 (51) Int. Cl.
A61M 25/00 (2006.01)
 (43) 19.10.2023
 (62) 2018225550
 (72) MCMENAMIN, Martin; NAUGHTON, Vincent; O'BRIEN, Daniel E.; PUPINO, Scott J.; CREAVENT, Martin P.; HANLEY, Joseph N.; MCFADDEN, Kieran J.; O'GRADY, Claire
 (74) Spruson & Ferguson

(71) Holloh
 (11) AU-A-2023200046
 (21) 2023200046 (22) 05.01.2023
 (54) Annular Rebound Wave Pool
 (51) Int. Cl.
E04H 4/00 (2006.01)
A63B 69/00 (2006.01)
A63G 31/00 (2006.01)
F04D 35/00 (2006.01)
 (31) 2022900721 (32) 23.03.22 (33) AU
 (43) 19.10.2023
 (72) Tonks, Gavin
 (74) Holloh

Huang, P. see Cheng, J.
 (21) 2023237178

(71) Huhtamaki Flexible Packaging Germany GmbH & Co. KG
 (11) AU-A-2023201936
 (21) 2023201936 (22) 30.03.2023

(54) Push-through cover foil with a plurality of non-intersecting material weakenings and push-through pack with such a cover foil
 (51) Int. Cl.
B65D 75/36 (2006.01)
B65B 9/04 (2006.01)
B65B 61/02 (2006.01)
B65D 75/32 (2006.01)
 (31) 10 2022 107 651.2 (32) 31.03.22 (33) DE
 (43) 19.10.2023
 (72) GMEINDNER, Andreas; FACKLER, Tobias; DAIDONE, Fabio
 (74) Davies Collison Cave Pty Ltd

(71) Hunter Douglas Inc.
 (11) AU-A-2023237110
 (21) 2023237110 (22) 27.09.2023
 (54) Covering for architectural features, and related systems, methods of operation, and manufacture
 (51) Int. Cl.
E06B 9/26 (2006.01)
E06B 9/08 (2006.01)
 (43) 19.10.2023
 (62) 2017251707
 (72) COLSON, Wendell B.; KUPERUS, Ko; HARTMAN, David P.; DIFRANCESCO, Matthew A.
 (74) Spruson & Ferguson

(71) Idemia Identity & Security France
 (11) AU-A-2023201032
 (21) 2023201032 (22) 22.02.2023
 (54) A method for improved ID document detection, capture and segmentation using a visual representation
 (51) Int. Cl.
G06V 30/412 (2022.01)
G06K 7/14 (2006.01)
G06K 19/06 (2006.01)
G06N 20/00 (2019.01)
 (31) 17/708,009 (32) 30.03.22 (33) US
 (43) 19.10.2023
 (72) Mayer, Joseph R.
 (74) FPA Patent Attorneys Pty Ltd

(71) Illinois Tool Works Inc.
 (11) AU-A-2023200089
 (21) 2023200089 (22) 09.01.2023
 (54) Concrete slab joint forming system and method
 (51) Int. Cl.
E01C 11/04 (2006.01)
E01C 11/10 (2006.01)
E04B 1/68 (2006.01)
E04F 15/14 (2006.01)
 (31) 63/326,636 (32) 01.04.22 (33) US
 (43) 19.10.2023
 (72) Wiatrowski, Darrell A.
 (74) Davies Collison Cave Pty Ltd

(71) Illinois Tool Works Inc.
 (11) AU-A-2023201939
 (21) 2023201939 (22) 30.03.2023
 (54) Expandable anchor installation tool and methods of use thereof

(51) Int. Cl.
B25B 21/00 (2006.01)
B25B 31/00 (2006.01)
F16B 13/06 (2006.01)
 (31) 63/327,619 (32) 05.04.22 (33) US
 18/187,530 21.03.23 US
 (43) 19.10.2023
 (72) Musuya Mbombo, Paul; Gong, Yong-ping
 (74) Davies Collison Cave Pty Ltd

(71) Illinois Tool Works Inc.
 (11) AU-A-2023202054
 (21) 2023202054 (22) 04.04.2023
 (54) Joint edge insert
 (51) Int. Cl.
E04F 15/14 (2006.01)
E04B 1/48 (2006.01)
 (31) 63/327,612 (32) 05.04.22 (33) US
 18/192,399 29.03.23 US
 (43) 19.10.2023
 (72) Wiatrowski, Darrell A.
 (74) Davies Collison Cave Pty Ltd

(71) Imtrade Australia Pty Ltd
 (11) AU-A-2023201946
 (21) 2023201946 (22) 30.03.2023
 (54) Agricultural formulations comprising niacin
 (51) Int. Cl.
A01N 43/40 (2006.01)
A01P 13/00 (2006.01)
 (31) 2022900812 (32) 30.03.22 (33) AU
 (43) 19.10.2023
 (72) MCPHEE, Neil John; RAINBIRD, Ross Melville
 (74) Spruson & Ferguson

Iowa State University Research Foundation, Inc. see Deere & Company
 (21) 2023201283

Iowa State University Research Foundation, Inc. see Deere & Company
 (21) 2023201285

(71) Itron, Inc.
 (11) AU-A-2023200620
 (21) 2023200620 (22) 07.02.2023
 (54) Frequency-based distributed load disconnect
 (51) Int. Cl.
H02H 3/46 (2006.01)
H02H 3/24 (2006.01)
 (31) 17/709,110 (32) 30.03.22 (33) US
 (43) 19.10.2023
 (72) Driscoll, Timothy James; Narayanawamy, Gokulmuthu
 (74) FPA Patent Attorneys Pty Ltd

Iwaloye, A.D. see Domin Pty Ltd
 (21) 2023237157

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(71) Janssen Pharmaceutica NV
 (11) AU-A-2023237198
 (21) 2023237198 (22) 29.09.2023
 (54) Inhibitors of KEAP1-Nrf2 protein-protein interaction
 (51) Int. Cl.
C07D 417/10 (2006.01)
A61K 31/554 (2006.01)
C07D 417/14 (2006.01)
C07D 419/10 (2006.01)
C07D 419/14 (2006.01)
C07D 471/04 (2006.01)
C07D 487/04 (2006.01)
C07D 513/04 (2006.01)
C07D 513/14 (2006.01)
C07D 515/04 (2006.01)
C07D 515/14 (2006.01)
A61P 3/00 (2006.01)
A61P 9/00 (2006.01)
A61P 11/00 (2006.01)
A61P 29/00 (2006.01)

(43) 19.10.2023
 (62) 2022200478
 (72) BARBAY, J. Kent; CHAI, Wenying; HIRST, Gavin C.; KREUTTER, Kevin D.; KUMMER, David A.; MCCLURE, Kelly J.; NISHIMURA, Rachel T.; SHIH, Amy Y.; VENABLE, Jennifer D.; VENKATESAN, Hariharan; WEI, Jianmei
 (74) Spruson & Ferguson

(71) KABUSHIKI KAISHA TOYOTA JIDOSHOKKI
 (11) AU-A-2023201494
 (21) 2023201494 (22) 09.03.2023
 (54) Industrial vehicle
 (51) Int. Cl.
B66F 9/075 (2006.01)
B66F 13/00 (2006.01)
B66F 17/00 (2006.01)
B66F 19/00 (2006.01)
G05D 1/02 (2020.01)
G06T 7/73 (2017.01)
G06V 20/56 (2022.01)
 (31) 2022-053447 (32) 29.03.22 (33) JP
 (43) 19.10.2023
 (72) AKATSUKA, Keisuke
 (74) Griffith Hack

KEMCO see KOREA ZINC CO., LTD.
 (21) 2023222907

Komatsu Ltd. see Toyota Jidosha Kabushiki Kaisha
 (21) 2023201966

(71) Komatsu Ltd.
 (11) AU-A-2023237154
 (21) 2023237154 (22) 28.09.2023
 (54) Construction site management device, output device, and construction site management method
 (51) Int. Cl.
G06Q 50/08 (2012.01)
E02F 9/20 (2006.01)

(43) 19.10.2023
 (62) 2021240259
 (72) ONISHI, Yoshiyuki; KANOU, Shinya; KURODA, Kyohei; FURUKAWA, Shota; OMURO, Naoyuki
 (74) FB Rice Pty Ltd

(71) KOREA ZINC CO., LTD.; KEMCO
 (11) AU-A-2023222907
 (21) 2023222907 (22) 27.03.2023
 (54) METHOD FOR PRODUCING SECONDARY BATTERY MATERIAL FROM BLACK MASS
 (51) Int. Cl.
C01D 15/00 (2006.01)
 (31) 10-2022-0040519 (32) 31.03.22 (33) KR
 (43) 19.10.2023
 (72) CHOI, Chang Young; LEE, Je Joong
 (74) ET Intellectual Property

(71) Kuzman IP PTY LTD
 (11) AU-A-2023201932
 (21) 2023201932 (22) 29.03.2023
 (54) A FRAME FOR AN AIR FILTER
 (51) Int. Cl.
B01D 46/00 (2022.01)
 (31) 2022900844 (32) 31.03.22 (33) AU
 (43) 19.10.2023
 (72) Kuzmanovski, Dimce
 (74) ADASTRA IP PTY LTD

(71) Lam, T.T.
 (11) AU-A-2022279401
 (21) 2022279401 (22) 29.11.2022
 (54) FLEXIBLE NET OF NON-HORIZONTAL CONNECTIONS FOR SOLAR ENERGY SYSTEMS
 (51) Int. Cl.
B63B 35/44 (2006.01)
H02S 10/40 (2014.01)
H02S 20/30 (2014.01)
H02S 30/10 (2014.01)
B63B 21/00 (2006.01)
 (31) 2022900855 (32) 01.04.22 (33) AU
 (43) 19.10.2023
 (72) Lam, Thanh Tri
 (74) Thanh Tri Lam

(71) Lam, T.
 (11) AU-A-2023237146
 (21) 2023237146 (22) 28.09.2023
 (54) Magnetic levitating door
 (51) Int. Cl.
E05F 1/00 (2006.01)
E05F 15/00 (2015.01)
 (43) 19.10.2023
 (62) 2017363580
 (72) LAM, Tony
 (74) Spruson & Ferguson

(71) Lambert, S.
 (11) AU-A-2022202239
 (21) 2022202239 (22) 04.04.2022
 (54) Gentle on my mind books describe the method and 4 step process of teaching Relaxation, Quiet time or Wellbeing

through text, soft illustrations and gentle movements to the reader, either at home, office or classroom and is applicable to children, teenagers, adults and those wise with age; across picture storybook platform, magazines and both broadcast media and digital media.

(51) Int. Cl.
G09B 19/00 (2006.01)
A61M 21/02 (2006.01)
A61M 21/00 (2006.01)

(43) 19.10.2023
 (72) Lambert, Susan
 (74) Susan Lambert

(71) Lazurite Holdings LLC
 (11) AU-A-2023237188
 (21) 2023237188 (22) 29.09.2023
 (54) Light source converter
 (51) Int. Cl.

F21V 1/00 (2006.01)
 (43) 19.10.2023
 (62) 2020258443
 (72) MALINSKIY, Ilya; MALINSKIY, Eugene; DUDLEY, Daniel; BELZINSKAS, Laimis; FEIN, Howard; AGUILERA, Jacquelyn
 (74) Spruson & Ferguson

(71) LG Electronics Inc.
 (11) AU-A-2023237136
 (21) 2023237136 (22) 28.09.2023
 (54) Refrigerator
 (51) Int. Cl.
F25D 23/02 (2006.01)
 (43) 19.10.2023
 (62) 2021204021
 (72) MOON, Jiwook; JUNG, Sangho; KANG, Daekil; PARK, Gyunghyun
 (74) Dentons Patent Attorneys Australasia Limited

(71) Lindsey FireSense, LLC
 (11) AU-A-2023237096
 (21) 2023237096 (22) 27.09.2023
 (54) ELECTRICAL POWER LINE MOUNTED FIRE WARNING SYSTEM
 (51) Int. Cl.
G08B 25/06 (2006.01)
G08B 17/06 (2006.01)
G08B 17/10 (2006.01)
G08B 17/12 (2006.01)

(43) 19.10.2023
 (62) 2020263584
 (72) PATEL, Jagdishbhai U.; ZHU, David Q.
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

Lovász, S. see Giber, J.
 (21) 2023237186

(71) Lutz, T.
 (11) AU-A-2023237137
 (21) 2023237137 (22) 28.09.2023

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(54) Systems and methods for de-oxygenation of a closed container
 (51) Int. Cl.
B65D 81/26 (2006.01)
B65D 51/28 (2006.01)
B65D 81/24 (2006.01)
 (43) 19.10.2023
 (62) 2017345723
 (72) Lutz, Thomas R.; Lutz, Michelle
 (74) Griffith Hack

(71) MANCO ENVIRONMENTAL LIMITED
 (11) AU-A-2022202128
 (21) 2022202128 (22) 29.03.2022
 (54) IMPROVED WASTE COLLECTION VEHICLE
 (51) Int. Cl.
B65F 3/22 (2006.01)
B65F 3/26 (2006.01)
 (43) 19.10.2023
 (72) BLACK, Bryan; CANN, William; WILLIAMS, Owen
 (74) AJ PARK

(71) MEDARTIS AG
 (11) AU-A-2023200422
 (21) 2023200422 (22) 27.01.2023
 (54) Bone Wedge Implant and Method
 (51) Int. Cl.
A61F 2/42 (2006.01)
 (31) 63/362,221 (32) 31.03.22 (33) US
 (43) 19.10.2023
 (72) Coyne, Matt; Finley, Adam; Schlotterback, Ryan; Boysen, Brad
 (74) Zone Patents Limited

(71) MILWAUKEE ELECTRIC TOOL CORPORATION
 (11) AU-A-2023201913
 (21) 2023201913 (22) 29.03.2023
 (54) POWER SUPPLY INCLUDING MODULAR CHARGING MODULES
 (51) Int. Cl.
H02J 7/00 (2006.01)
H02J 5/00 (2016.01)
 (31) 63/326,426 (32) 01.04.22 (33) US
 63/355,206 24.06.22 US
 (43) 19.10.2023
 (72) BROCHTRUP, David; SABOURY, Justin; NAGAL, Vivek
 (74) Griffith Hack

(71) Minelab Electronics Pty. Limited
 (11) AU-A-2023202011
 (21) 2023202011 (22) 31.03.2023
 (54) AN IMPROVED METAL DETECTOR
 (51) Int. Cl.
G01V 3/38 (2006.01)
G01R 33/00 (2006.01)
G01V 3/10 (2006.01)
 (31) 2022900827 (32) 31.03.22 (33) AU
 (43) 19.10.2023
 (72) Candy, Bruce Halcro
 (74) Madderns Pty Ltd

Mogrify Limited see National University of Singapore
 (21) 2023237116

Monash University see National University of Singapore
 (21) 2023237116

(71) National University of Singapore; Monash University; Mogrify Limited
 (11) AU-A-2023237116
 (21) 2023237116 (22) 28.09.2023
 (54) Cell culture methods and compositions
 (51) Int. Cl.
C12N 5/00 (2006.01)
G16B 5/00 (2019.01)
 (43) 19.10.2023
 (62) 2020308962
 (72) Rackham, Owen; Petretto, Enrico; Kamaraj, Uma; Chen, Joseph; Polo, Jose
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Netflix, Inc.
 (11) AU-A-2023237151
 (21) 2023237151 (22) 28.09.2023
 (54) Systems and methods for streamlining multimedia content acquisition
 (51) Int. Cl.
G06F 21/10 (2013.01)
 (43) 19.10.2023
 (62) 2020370599
 (72) Gala, Shyam; Shi, Katheryn; Gray, Christopher; Rangarajan, Suudhan; Correa, Manuel; Pissanetzky, Pablo; Mollinier Toublat, Bertrand; Ghate, Niranjan; Walsh, Raymond; Barker, Edward
 (74) FPA Patent Attorneys Pty Ltd

(71) Next Science IP Holdings Pty Ltd
 (11) AU-A-2023233220
 (21) 2023233220 (22) 23.09.2023
 (54) HIGH OSMOLARITY ANTIMICROBIAL COMPOSITION CONTAINING ONE OR MORE ORGANIC SOLVENTS
 (51) Int. Cl.
A01N 25/02 (2006.01)
A01N 25/04 (2006.01)
A01N 37/02 (2006.01)
A01P 1/00 (2006.01)
A61L 2/18 (2006.01)
A61L 101/32 (2006.01)
 (43) 19.10.2023
 (62) 2022200778
 (72) Myntti, Matthew F.
 (74) Dark IP

(71) Nicoventures Trading Limited
 (11) AU-A-2023237180
 (21) 2023237180 (22) 29.09.2023
 (54) Aerosol generation
 (51) Int. Cl.
A24F 40/00 (2020.01)
A24D 1/22 (2020.01)
A24F 40/46 (2020.01)

A24F 40/60 (2020.01)
 (43) 19.10.2023
 (62) 2020281950
 (72) BROOKBANK, Aaron
 (74) Spruson & Ferguson

(71) Nomad Tackle Pty Ltd
 (11) AU-A-2023201903
 (21) 2023201903 (22) 29.03.2023
 (54) Fishing Lure
 (51) Int. Cl.
A01K 85/16 (2006.01)
 (31) 17/710,417 (32) 31.03.22 (33) US
 (43) 19.10.2023
 (72) Olsen, Damon
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) ObsEva S.A.
 (11) AU-A-2023237170
 (21) 2023237170 (22) 29.09.2023
 (54) OXYTOCIN ANTAGONIST DOSING REGIMENS FOR PROMOTING EMBRYO IMPLANTATION AND PREVENTING MISCARRIAGE
 (51) Int. Cl.
A61K 31/40 (2006.01)
A61P 5/10 (2006.01)
 (43) 19.10.2023
 (62) 2017300026
 (72) Loumaye, Ernest; Gotteland, Jean-Pierre
 (74) Collison & Co

(71) OMNISCIENT IMAGING, INC.
 (11) AU-A-2023237088
 (21) 2023237088 (22) 27.09.2023
 (54) OPTICAL, OPTOELECTRONIC, AND OPTOELECTROMECHANICAL SYSTEMS AND METHOD FOR USING THE SAME
 (51) Int. Cl.
A61B 1/00 (2006.01)
A61B 1/04 (2006.01)
A61B 1/06 (2006.01)
 (43) 19.10.2023
 (62) 2021440215
 (72) BANERJEE, Bhaskar; PFISTERER, Richard; JAMESON, John; CHANG, Chih-Chiang; ZHANG, Haiyong
 (74) RnB IP Pty Ltd

(71) P.D. of Miami, Inc.
 (11) AU-A-2023237202
 (21) 2023237202 (22) 29.09.2023
 (54) RELEASE MECHANISM DEVICE PARACHUTE SYSTEMS AND PARACHUTE STABILIZATION
 (51) Int. Cl.
B64D 1/08 (2006.01)
B64D 1/12 (2006.01)
B64D 17/38 (2006.01)
F16B 45/02 (2006.01)
 (43) 19.10.2023
 (62) 2020282766
 (72) COE, William John; KAPP, Ignatius
 (74) Walsh & Associates

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(71) Polaris Industries Inc.
 (11) AU-A-2023237145
 (21) 2023237145 (22) 28.09.2023
 (54) Hybrid utility vehicle
 (51) Int. Cl.
 B60K 11/00 (2006.01)
 B60K 1/00 (2006.01)
 B60K 11/02 (2006.01)
 B60K 11/06 (2006.01)
 (43) 19.10.2023
 (62) 2020275400
 (72) BORUD, Eric J.; MARKSTROM, Jeremy M.; THOMAS, Michael A.; MINER, Greg B.; MATKO, Christopher P.; EICHENBERGER, Jeremy R.; BRADY, Bradley A.
 (74) Griffith Hack

(71) Pure Vista Ltd
 (11) AU-A-2023201349
 (21) 2023201349 (22) 03.03.2023
 (54) PANEL SUPPORT FIXING SYSTEM AND METHOD
 (51) Int. Cl.
 E04B 1/38 (2006.01)
 E04B 1/61 (2006.01)
 E04B 2/82 (2006.01)
 E04F 11/18 (2006.01)
 (31) 2204973.8 (32) 05.04.22 (33) GB
 (43) 19.10.2023
 (72) Oakes, Mark
 (74) Golja Haines & Friend

(71) Purigen Biosystems, Inc.
 (11) AU-A-2023237199
 (21) 2023237199 (22) 29.09.2023
 (54) Isotachophoresis for purification of nucleic acids
 (51) Int. Cl.
 C12N 15/10 (2006.01)
 B81B 1/00 (2006.01)
 G01N 27/447 (2006.01)
 (43) 19.10.2023
 (62) 2017212754
 (72) MARSHAL, Lewis A.; HIDDEN, Amy L.; HOVERTER, Nathan P.; ROSE, Klint A.; SANTIAGO, Juan G.
 (74) FB Rice Pty Ltd

(71) Rainbow, H.
 (11) AU-A-2023237166
 (21) 2023237166 (22) 29.09.2023
 (54) Inhaler housing
 (51) Int. Cl.
 A61M 15/00 (2006.01)
 (43) 19.10.2023
 (62) 2017371392
 (72) RAINBOW, Heath
 (74) Spruson & Ferguson

(71) Rinnai Corporation
 (11) AU-A-2023201529
 (21) 2023201529 (22) 13.03.2023
 (54) Water heating device
 (51) Int. Cl.

F24D 19/10 (2006.01)
F24D 17/00 (2022.01)
F24H 1/12 (2022.01)
G05D 23/13 (2006.01)
 (31) 2022-062180 (32) 01.04.22 (33) JP
 (43) 19.10.2023
 (72) UCHIDA, Tomohiro
 (74) Spruson & Ferguson

(71) Ross Michael Phillips
 (11) AU-A-2022202126
 (21) 2022202126 (22) 29.03.2022
 (54) A portable garden watering device
 (51) Int. Cl.
 A01G 25/09 (2006.01)
 F16M 11/04 (2006.01)
 F16M 11/10 (2006.01)
 F16M 11/20 (2006.01)
 (43) 19.10.2023
 (72) PHILLIPS, Ross Michael
 (74) Spruson & Ferguson

(71) Sage Products, LLC
 (11) AU-A-2023237187
 (21) 2023237187 (22) 29.09.2023
 (54) Cushioned support system for heel ulcer prevention
 (51) Int. Cl.
 A61G 7/075 (2006.01)
 A61G 7/057 (2006.01)
 A61G 13/12 (2006.01)
 (43) 19.10.2023
 (62) 2017366707
 (72) PONS, Larry; HOLLABAUGH, Curtis L.; FLETCHER, Hester C.; GOLDEN, Craig S.
 (74) FB Rice Pty Ltd

(71) SanBio, Inc.
 (11) AU-A-2023237128
 (21) 2023237128 (22) 28.09.2023
 (54) Medium, methods, cells and secreted factors for stem cell culture and therapy
 (51) Int. Cl.
 C12N 5/0775 (2010.01)
 A61K 35/28 (2015.01)
 (43) 19.10.2023
 (62) 2021218073
 (72) Betancourt, Aline M.; Waterman, Ruth S.; Isett, Thomas F.
 (74) Griffith Hack

(71) Sandvik Mining and Construction Oy
 (11) AU-A-2023201959
 (21) 2023201959 (22) 30.03.2023
 (54) SCRAPER, ROCK DRILLING UNIT AND METHOD
 (51) Int. Cl.
 E21B 37/02 (2006.01)
 E21B 19/24 (2006.01)
 (31) 22166335.4 (32) 01.04.22 (33) EP
 (43) 19.10.2023
 (72) Hakulinen, Johannes; Piispanen, Juha; Launis, Sirpa; Huhtanen, Jussi
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Schneider Electric Industries SAS
 (11) AU-A-2023201973
 (21) 2023201973 (22) 31.03.2023
 (54) Power control circuit
 (51) Int. Cl.
 H02J 13/00 (2006.01)
 H02J 3/12 (2006.01)
 (31) 22166003.8 (32) 31.03.22 (33) EP
 (43) 19.10.2023
 (72) Hanacek, Kamil
 (74) Griffith Hack

(71) Shukla, J.
 (11) AU-A-2022202184
 (21) 2022202184 (22) 30.03.2022
 (54) PRIDE Model for Customer Success
 (51) Int. Cl.
 G06Q 30/02 (2012.01)
 G06Q 10/06 (2012.01)
 G06Q 10/10 (2012.01)
 G06Q 30/00 (2012.01)
 G06Q 50/00 (2012.01)
 G06Q 90/00 (2006.01)
 (43) 19.10.2023
 (72) Shukla, Jyotasana
 (74) Jyotasana Shukla

(71) Signode Industrial Group LLC
 (11) AU-A-2023237138
 (21) 2023237138 (22) 28.09.2023
 (54) STRAPPING TOOL
 (51) Int. Cl.
 B65B 13/02 (2006.01)
 B65B 13/18 (2006.01)
 B65B 13/22 (2006.01)
 B65B 13/34 (2006.01)
 (43) 19.10.2023
 (62) 2020270353
 (72) Keller, Andreas; Leine, Guido; Bolliger, Kurt; Wettstein, Michael; Hochstrasser, Samuel; Neeser, Mirco
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Skytraders Pty Ltd
 (11) AU-A-2023201942
 (21) 2023201942 (22) 30.03.2023
 (54) Floor Mounted Conveyor System
 (51) Int. Cl.
 B64C 1/20 (2006.01)
 B64D 1/10 (2006.01)
 B64D 1/12 (2006.01)
 B64D 9/00 (2006.01)
 B65G 13/00 (2006.01)
 B60P 7/08 (2006.01)
 B63B 27/22 (2006.01)
 (31) 2022900833 (32) 31.03.22 (33) AU
 (43) 19.10.2023
 (72) IDE, Matthew Myles; IDE, Nathan Matthew
 (74) Allens Patent & Trade Mark Attorneys

(71) SOLAR ANALYTICS PTY LTD
 (11) AU-A-2023237115
 (21) 2023237115 (22) 27.09.2023
 (54) Resource Supply Management System and Method
 (51) Int. Cl.

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G06Q 10/00 (2023.01)
G01R 22/00 (2006.01)
H02J 13/00 (2006.01)

(43) 19.10.2023
(62) 2021206801
(72) Mrakas, Chris
(74) James & Wells Intellectual Property

(71) Sonos, Inc.
(11) AU-A-2023237192
(21) 2023237192 (22) 29.09.2023
(54) Audio response playback
(51) Int. Cl.
H04R 3/00 (2006.01)
G11B 27/00 (2006.01)
H04R 3/12 (2006.01)

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(62) 2023203239
(72) LANG, Jonathan P.; PLAGGE, Mark; JARVIS, Simon; BUTTS, Christopher; KADRI, Romi; BATES, Paul Andrew; VEGA-ZAYAS, Luis
(74) Spruson & Ferguson

(71) Southwire Company, LLC
(11) AU-A-2023237181
(21) 2023237181 (22) 29.09.2023
(54) Ultrasonic grain refining and degassing procedures and systems for metal casting including enhanced vibrational coupling
(51) Int. Cl.
C21B 7/10 (2006.01)
C21B 11/10 (2006.01)
C21B 13/12 (2006.01)
C21C 5/52 (2006.01)
C21C 5/54 (2006.01)

(43) 19.10.2023
(62) 2018221259
(72) GILL, Kevin Scott; POWELL, Michael Caleb; RUNDQUIST, Victor Frederic; MANCHIRAJU, Venkata Kiran; GUFFEY, Roland Earl
(74) Spruson & Ferguson

(71) Stemplant, LLC
(11) AU-A-2023237079
(21) 2023237079 (22) 27.09.2023
(54) Method and apparatus for delivery of cell therapies
(51) Int. Cl.
A61M 25/10 (2013.01)

(43) 19.10.2023
(62) 2017355939
(72) Carpenter, Judith; Carpenter, Jeffrey; Brown, Spencer
(74) AJ PARK

(71) Sterlite Technologies Limited
(11) AU-A-2023201001
(21) 2023201001 (22) 21.02.2023
(54) IN-TOWER OPTICAL FIBER BENDING
(51) Int. Cl.
C03B 37/035 (2006.01)
G02B 6/10 (2006.01)

(31) 202211019367 (32) 31.03.22 (33) IN

(43) 19.10.2023
(72) Gomatam, Badri
(74) LAMINAR IP PTY LTD

(71) Sterlite Technologies Limited
(11) AU-A-2023201002
(21) 2023201002 (22) 21.02.2023
(54) OPTICAL FIBER WITH AN ATTENUATION REDUCTION REFRACTIVE INDEX (RI) PROFILE
(51) Int. Cl.
G02B 6/028 (2006.01)
C03B 37/023 (2006.01)

(31) 202211019730 (32) 31.03.22 (33) IN
(43) 19.10.2023
(72) Khan, Amjad; D, Chitra; Khan, Abed; Ekhande, Kailash; Reddy, E.Sudhakar
(74) LAMINAR IP PTY LTD

(71) Sterlite Technologies Limited
(11) AU-A-2023201003
(21) 2023201003 (22) 21.02.2023
(54) SINGLE MODE OPTICAL FIBER SUITABLE FOR RIBBON APPLICATIONS
(51) Int. Cl.
G02B 6/036 (2006.01)
C03B 37/014 (2006.01)
C03B 37/027 (2006.01)

(31) 202211019714 (32) 31.03.22 (33) IN
(43) 19.10.2023
(72) Malviya, Apeksha; Gupta, Priya; Reddy, Srinivas; Pandey, Anand
(74) LAMINAR IP PTY LTD

(71) Sungrow Power Supply Co., Ltd.
(11) AU-A-2023201948
(21) 2023201948 (22) 30.03.2023
(54) Phase-change heat exchanger and heat exchange core thereof
(51) Int. Cl.
F28D 15/02 (2006.01)
F28D 20/02 (2006.01)

(31) 202210332718.5 (32) 31.03.22 (33) CN
(43) 19.10.2023
(72) TAN, Lele; ZHENG, Hao; WANG, Xiaohu; SHU, Wentao; YANG, Ye
(74) FB Rice Pty Ltd

(71) SurflineWavetrak, Inc.
(11) AU-A-2023237131
(21) 2023237131 (22) 28.09.2023
(54) Automated detection of features and/or parameters within an ocean environment using image data
(51) Int. Cl.
G06K 9/00 (2022.01)
G06T 7/246 (2017.01)
G06T 7/70 (2017.01)

(43) 19.10.2023
(62) 2022201244
(72) FREESTON, Benjamin
(74) FB Rice Pty Ltd

(71) Temple University Of The Commonwealth System Of Higher Education
(11) AU-A-2023237152

(21) 2023237152 (22) 28.09.2023
(54) Ischemia/Reperfusion injury
(51) Int. Cl.
A61K 31/69 (2006.01)
A61K 38/16 (2006.01)
A61K 45/06 (2006.01)
A61P 9/10 (2006.01)

(43) 19.10.2023
(62) 2017311405
(72) Feldman, Arthur M.; Cheung, Joseph Y.; Khalili, Kamel
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Terumo Kabushiki Kaisha
(11) AU-A-2023237114
(21) 2023237114 (22) 27.09.2023
(54) IMAGE DIAGNOSIS CATHETER
(51) Int. Cl.
A61B 8/12 (2006.01)

(43) 19.10.2023
(62) 2020248784
(72) SHIMIZU, Katsuhiko; ISHIHARA, Hiroyuki; SAKAMOTO, Yasukazu; KUWANO, Yoichiro
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

The Board of Trustees of the Leland Stanford Junior University see Eiger BioPharmaceuticals, Inc.
(21) 2023237119

The Trustees of the University of Pennsylvania see University of Florida Research Foundation, Inc.
(21) 2023237106

(71) TOTAL COMBUSTION IP HOLDINGS, LLC
(11) AU-A-2022408195
(21) 2022408195 (22) 14.09.2022
(54) OXYGEN TORCH CUTTING SYSTEM
(51) Int. Cl.
F23D 14/42 (2006.01)
B23K 7/00 (2006.01)

(31) 63/306.866 (32) 02.04.22 (33) US
(43) 19.10.2023
(72) YOUNGMAN, Jacob; MOORE, James; WILSON, Jacob; PACE, Powell; COST, Trevor
(74) AJ Pietras IP Limited

(71) Toyota Jidosha Kabushiki Kaisha; Komatsu Ltd.
(11) AU-A-2023201966
(21) 2023201966 (22) 30.03.2023
(54) Travel path setting device
(51) Int. Cl.
G08G 1/0968 (2006.01)
B60W 30/095 (2012.01)
B60W 40/06 (2012.01)
G01C 21/20 (2006.01)
G01S 19/39 (2010.01)
G05D 1/02 (2020.01)
G05D 3/12 (2006.01)

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(31) 2022-062319 **(32)** 04.04.22 **(33)** JP
(43) 19.10.2023
(72) MARUYAMA, Shun; AKAT SUKA, Kosuke; MOMOSE, Hirofumi; TAKASHIMA, Toru; MIZOO, Shun
(74) Spruson & Ferguson

(71) TRANSDEV GROUP INNOVATION
(11) AU-A-2022203218
(21) 2022203218 **(22)** 13.05.2022
(54) Device for generating a movement limitation signal for an autonomous motor vehicle, associated control system, assembly and method
(51) Int. Cl.
G05D 1/02 (2020.01)
B60W 50/02 (2012.01)
B60W 60/00 (2020.01)
G05B 19/406 (2006.01)
(31) 22 02948 **(32)** 31.03.22 **(33)** FR
(43) 19.10.2023
(72) MIRANDA, Paulo; DESMOINEAUX, Nicolas; VALLOT, Laurent; TAINHA, Jean Michel
(74) Davies Collison Cave Pty Ltd

(71) Transportation IP Holdings, LLC
(11) AU-A-2023201876
(21) 2023201876 **(22)** 28.03.2023
(54) SYSTEMS AND METHODS FOR EVALUATING REPAIR OF ASSETS
(51) Int. Cl.
G06Q 10/20 (2023.01)
(31) 17/710,400 **(32)** 31.03.22 **(33)** US
(43) 19.10.2023
(72) Roddy, Nicholas; Brahmakshatriya, Umang Gopalbhai; Shaikh, Hammad; Jain, Yoshita; Lahut, John; Lander, Benedict; Gibson, David Richard; Scholz, Bernhard J.; Schroeck, David Joseph
(74) PHILLIPS ORMONDE FITZPATRICK

(71) Trina Solar Co., Ltd.
(11) AU-A-2023219811
(21) 2023219811 **(22)** 21.08.2023
(54) SOLAR CELL, METHOD FOR MANUFACTURING THE SAME, PHOTOVOLTAIC DEVICE, AND PHOTOVOLTAIC SYSTEM
(51) Int. Cl.
H01L 33/44 (2010.01)
H01L 31/0216 (2014.01)
H01L 31/054 (2014.01)
(31) 202310644865.0 **(32)** 02.06.23 **(33)** CN
(43) 19.10.2023
(72) CHEN, Hong; CHEN, Yifeng; LIU, Di; DU, Wenxing
(74) Griffith Hack

(71) Tube Bundle Integrity Solutions Pty Ltd
(11) AU-A-2023201929
(21) 2023201929 **(22)** 29.03.2023
(54) Water Trap
(51) Int. Cl.
B01D 5/00 (2006.01)
B01D 53/00 (2006.01)

F16T 1/34 (2006.01)
G01N 1/22 (2006.01)
(31) 2022900821 **(32)** 30.03.22 **(33)** AU
(43) 19.10.2023
(72) Williams, Robert
(74) Michael Buck IP

(71) University of Florida Research Foundation, Inc.; The Trustees of the University of Pennsylvania
(11) AU-A-2023237106
(21) 2023237106 **(22)** 27.09.2023
(54) AAV VECTORS FOR TREATMENT OF DOMINANT RETINITIS PIGMENTOSA
(51) Int. Cl.
C12N 15/79 (2006.01)
C07H 21/02 (2006.01)
C12N 15/10 (2006.01)
C12N 15/11 (2006.01)
C12N 15/113 (2010.01)
C12N 15/85 (2006.01)
C12N 15/86 (2006.01)
(43) 19.10.2023
(62) 2017227776
(72) Lewin, Alfred S.; Hauswirth, William W.; Massengill, Michael T.; Beltran, William; Aguirre, Gustavo D.; Cideciyan, Artur; Jacobson, Samuel
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Vitalant
(11) AU-A-2023237133
(21) 2023237133 **(22)** 28.09.2023
(54) METHODS AND SYSTEMS FOR CRYOPRESERVATION AND RESUSPENSION OF BODY FLUIDS
(51) Int. Cl.
A61K 35/12 (2015.01)
A61K 35/28 (2015.01)
A61K 35/36 (2015.01)
(43) 19.10.2023
(62) 2019277108
(72) DUMONT, Larry J.
(74) Davies Collison Cave Pty Ltd

(71) W. L. Gore & Associates, Inc.
(11) AU-A-2023237149
(21) 2023237149 **(22)** 28.09.2023
(54) Integrated aqueous shunt for glaucoma treatment
(51) Int. Cl.
A61F 9/007 (2006.01)
(43) 19.10.2023
(62) 2021203695
(72) ROEBER, Peter J.; TOWLER, Jeffrey C.
(74) Griffith Hack

(71) WAI KIN HOME FASHION (HUI ZHOU) COMPANY LIMITED
(11) AU-A-2023201887
(21) 2023201887 **(22)** 28.03.2023
(54) IRON FRAME SOFA WITH FOLDABLE HINGE STRUCTURE
(51) Int. Cl.
A47C 17/04 (2006.01)

(31) ZL **(32)** 29.03.22 **(33)** CN
 202220708344.8
(43) 19.10.2023
(72) CHEUNG, Wan
(74) Atkinson IP

(71) Wayne Fueling Systems LLC
(11) AU-A-2023237148
(21) 2023237148 **(22)** 28.09.2023
(54) Intelligent fuel dispensers
(51) Int. Cl.
B67D 7/22 (2010.01)
B60S 5/02 (2006.01)
B67D 7/34 (2010.01)
(43) 19.10.2023
(62) 2017252185
(72) Morris, John Joseph; Negley, Scott R.; Birkler, Annika; Carlsson, Richard; Jeitler, Patrick; Kretzler, Randal S.
(74) Davies Collison Cave Pty Ltd

(71) Whirlpool Corporation
(11) AU-A-2023200866
(21) 2023200866 **(22)** 16.02.2023
(54) COUNTERTOP APPLIANCE
(51) Int. Cl.
A47J 43/08 (2006.01)
A47J 43/046 (2006.01)
(31) 17/708,586 **(32)** 30.03.22 **(33)** US
(43) 19.10.2023
(72) Bradley, Samuel J.; Shewale, Pravin R.
(74) PHILLIPS ORMONDE FITZPATRICK

(71) Wilson Wolf Manufacturing Corporation
(11) AU-A-2023237200
(21) 2023237200 **(22)** 29.09.2023
(54) Closed system device and methods for gas permeable cell culture process
(51) Int. Cl.
C12M 1/00 (2006.01)
C12M 1/26 (2006.01)
(43) 19.10.2023
(62) 2022203329
(72) Welch, Daniel P.; Wilson, John R.
(74) Griffith Hack

(71) Wing Aviation LLC
(11) AU-A-2022252791
(21) 2022252791 **(22)** 13.10.2022
(54) Semantic abort of unmanned aerial vehicle deliveries
(51) Int. Cl.
G06V 20/58 (2022.01)
G05D 1/10 (2006.01)
G06T 7/11 (2017.01)
G08G 5/00 (2006.01)
(31) 17/657,558 **(32)** 31.03.22 **(33)** US
(43) 19.10.2023
(72) SHOEB, Ali; HAMMOND, Marcus; COBAR, Christopher; KRAFKA, Kyle; JULIAN, Kyle David; JENKINS, Kevin
(74) Spruson & Ferguson

(71) Wing Aviation LLC
(11) AU-A-2022252792
(21) 2022252792 **(22)** 13.10.2022

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(54) Unmanned aerial vehicle trajectories for nudging and un-nudging
 (51) Int. Cl.
G05D 1/04 (2006.01)
B64C 39/02 (2006.01)
B64D 1/02 (2006.01)
G05D 1/10 (2006.01)
 (31) 17/657,544 (32) 31.03.22 (33) US
 (43) 19.10.2023
 (72) SHOEB, Ali; HAMMOND, Marcus; COBAR, Christopher; KRAFKA, Kyle; JULIAN, Kyle David; JENKINS, Kevin
 (74) Spruson & Ferguson

(71) Wing Aviation LLC
 (11) AU-A-2022252796
 (21) 2022252796 (22) 13.10.2022
 (54) Semantic adjustment of unmanned aerial vehicle delivery points
 (51) Int. Cl.
G06V 10/25 (2022.01)
B64C 39/02 (2006.01)
G05D 1/10 (2006.01)
G06T 7/11 (2017.01)
G08G 5/00 (2006.01)
 (31) 17/657,538 (32) 31.03.22 (33) US
 (43) 19.10.2023
 (72) KRAFKA, Kyle; SHOEB, Ali; HAMMOND, Marcus; COBAR, Christopher; JULIAN, Kyle David; JENKINS, Kevin
 (74) Spruson & Ferguson

(71) Wing Aviation LLC
 (11) AU-A-2022252797
 (21) 2022252797 (22) 13.10.2022
 (54) Method for semantic localization of an unmanned aerial vehicle
 (51) Int. Cl.
G05D 1/10 (2006.01)
B64C 39/02 (2006.01)
G01S 19/38 (2010.01)
G01S 19/42 (2010.01)
G05D 1/02 (2020.01)
 (31) 17/710,516 (32) 31.03.22 (33) US
 (43) 19.10.2023
 (72) SHOEB, Ali; KAKLIGIAN, Kyle; JOURDAN, Damien; ZHONG, Michael; XU, Ke; GABOR, Jeremie
 (74) Spruson & Ferguson

(71) Wi-Tronix, LLC
 (11) AU-A-2023237129
 (21) 2023237129 (22) 28.09.2023
 (54) Automated signal compliance monitoring and alerting system
 (51) Int. Cl.
G07C 5/08 (2006.01)
B61L 25/02 (2006.01)
G01C 21/16 (2006.01)
G01C 23/00 (2006.01)
G07C 5/00 (2006.01)
 (43) 19.10.2023
 (62) 2020253312
 (72) JORDAN, Lawrence B.; SCHABELL, Brandon; WEAVER, Bryan; GANESAN, Pradeep; MARTINEZ, Roger; RATHINAVEL, Jagadeeswaran; MURILLO AMAYA, Sergio E.
 (74) Spruson & Ferguson

(71) Zhejiang Jinko Solar Co., Ltd.
 (11) AU-A-2023237197
 (21) 2023237197 (22) 29.09.2023
 (54) SOLAR CELL, METHOD FOR PREPARING THE SAME, AND PHOTO-VOLTAIC MODULE
 (51) Int. Cl.
H01L 31/0224 (2006.01)
H01L 31/0256 (2006.01)
H01L 31/18 (2006.01)
 (43) 19.10.2023
 (62) 2022203132
 (72) Jin, Jingsheng; Zhang, Bike; Chu, Hong'ao; Zhang, Xinyu
 (74) Madderns Pty Ltd

(71) zheng, m.
 (11) AU-A-2022202284
 (21) 2022202284 (22) 05.04.2022
 (54) multi-purpose cleaning devices
 (51) Int. Cl.
A47K 17/00 (2006.01)
A47J 43/28 (2006.01)
A47L 13/282 (2006.01)
A47L 23/02 (2006.01)
E03D 9/00 (2006.01)
B08B 1/00 (2006.01)
B08B 3/02 (2006.01)
 (43) 19.10.2023
 (72) zheng, min
 (74) min zheng

(71) ZMC Metal Coating Inc.
 (11) AU-A-2022203332
 (21) 2022203332 (22) 18.05.2022
 (54) CHAIN SHROUD FOR ROLLER SHADE
 (51) Int. Cl.
E06B 9/80 (2006.01)
A47H 3/02 (2006.01)
A47H 5/032 (2006.01)
A47H 11/02 (2006.01)
E06B 9/42 (2006.01)
 (31) 3,153,589 (32) 29.03.22 (33) CA
 (43) 19.10.2023
 (72) Ng, Philip
 (74) Phillips Ormonde Fitzpatrick

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| 2023200866 | Whirlpool Corporation | | Eiger BioPharmaceuticals, Inc.; The Board of Trustees of the Leland Stanford Junior University |
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| E02F 3 /- 2023201659 | F23D 14 /- 2022408195 | G05D 1 /- 2022203218 2022252791 2022252792 2022252796 2022252797 2023201494 2023201660 2023201966 | G06T 11 /- 2023200526 | G16H 40 /- 2023201790 | H04N 5 /- 2023200526 |
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| | | G07F 7 /- 2023237157 | | H02J 13 /- 2023201973 2023237115 | |
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 (51) Int. Cl.
 A61F 5/455 (2006.01)
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 (72) WHITE, Craig Karl; MCDERMOTT, Gareth Thomas; MATTHEWS, Cameron Leslie; MASSEY, Shane Terry
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 (72) TUPIN, Cyrille; BARBARAS, Ronald; GESUALDO, Loreto; FRANZIN, Rossana; STASI, Alessandra
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 (51) Int. Cl.
 A61K 9/127 (2006.01)
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 (72) KULKARNI, Pradeep; KESTECHER, Dor; BENETTI, Ernesto; UEBEL, Julian; PENNA BETTARELLO, Carlos Bruno; TURATTI, Cristiane Stecca; FAURE MLYNSKI, Mariela
 (74) Davies Collison Cave Pty Ltd

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 (51) Int. Cl.
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 H05G 1/06 (2006.01)
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 (31) 2103021.8 (32) 03.03.21 (33) GB
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 (72) EVANS, Mark; WELLS, Steven
 (74) MEYER WEST IP

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 (51) Int. Cl.
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 A61B 5/103 (2006.01)
 G16H 30/40 (2018.01)
 (87) WO2022/214872
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 (72) BOSANAC, Vlado; EL-SALLAM, Amar
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 (54) BAG OPENING DEVICE
 (51) Int. Cl.
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 B26D 1/00 (2006.01)
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 B26F 1/18 (2006.01)
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 (72) BIRKEDAL, Mads
 (74) Adams Pluck

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 (54) MOBILE EMERGENCY COMMUNICATION AND VEHICLE PROPULSION POWER SYSTEM
 (51) Int. Cl.
 B64C 29/00 (2006.01)
 H04B 7/185 (2006.01)
 H04W 84/06 (2009.01)
 (87) WO2022/216602
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 (43) 13.10.2022
 (72) MORRISON, Brian, D.
 (74) Spruson & Ferguson

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 (51) Int. Cl.
 A61F 9/008 (2006.01)
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 (72) MALEK TABRIZI, Alireza; KHAZA-EINEZHAD, Reza; APOSTOL, Adela; KARIM, John Hossein; CASTRO, Daniel; STEWART, Corey; JUNG, David
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) ALCON INC.
 (11) AU-A-2022269401
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- (51) Int. Cl.
A61F 9/008 (2006.01)
- (87) WO2022/234521
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- (43) 10.11.2022
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- (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) ALCON INC.
- (11) AU-A-2022272129
- (21) 2022272129 (22) 05.05.2022
- (54) LASER PULSE SELECTION USING MOTORIZED SHUTTER
- (51) Int. Cl.
A61F 9/008 (2006.01)
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- (43) 17.11.2022
- (72) JUNG, David; CASTRO, Daniel; BOR, Zsolt; STEWART, Corey; LEE, Billy
- (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) ALKERMES, INC.
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- (21) 2022267220 (22) 25.04.2022
- (54) SUBSTITUTED AMIDE MACROCYCLIC COMPOUNDS WITH OREXIN-2 RECEPTOR AGONIST ACTIVITY
- (51) Int. Cl.
A61P 25/00 (2006.01)
A61K 31/4353 (2006.01)
C07D 498/04 (2006.01)
C07D 498/14 (2006.01)
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- (31) 63/179,616 (32) 26.04.21 (33) US
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- (54) ELECTROLYTIC CELL LID HANDLING SYSTEM AND METHOD OF USE
- (51) Int. Cl.
C25C 3/10 (2006.01)
B25J 9/00 (2006.01)
C25C 3/14 (2006.01)
- (87) WO2022/207894
- (31) 2104620.6 (32) 31.03.21 (33) GB
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- (72) BREIMO, Frode; SPERLE, Thomas; MOFLAG, Johan; LYGHEI, Jan-Hugo
- (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
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- (51) Int. Cl.
C25C 3/10 (2006.01)
C25C 3/14 (2006.01)
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- (54) POSITIONING SYSTEM FOR A LIFTING APPARATUS AND METHOD OF USE
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C25C 3/10 (2006.01)
B66C 17/00 (2006.01)
C25C 7/06 (2006.01)
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- (31) 2104618.0 (32) 31.03.21 (33) GB
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- (21) 2022232919 (22) 09.03.2022
- (54) SYNTHESIS OF OMECAMTIV ME-CARBIL
- (51) Int. Cl.
C07C 201/10 (2006.01)
C07C 205/12 (2006.01)
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- (74) Davies Collison Cave Pty Ltd
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- (54) MAGEB2 BINDING CONSTRUCTS
- (51) Int. Cl.
C07K 16/30 (2006.01)
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- (43) 06.10.2022
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- (74) Spruson & Ferguson
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- (54) MODIFIED ANTI-TSLP ANTIBODIES
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C07K 16/06 (2006.01)
A61P 11/06 (2006.01)
C07K 16/24 (2006.01)
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- (54) ANTI-TSLP ANTIBODY COMPOSITIONS AND USES THEREOF
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C07K 16/24 (2006.01)
C07K 16/06 (2006.01)
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- (54) BALANCED CHARGE DISTRIBUTION IN ELECTROSTATIC STEERING OF CHAIN PAIRING IN MULTI-SPECIFIC AND MONOVALENT IGG MOLECULE ASSEMBLY
- (51) Int. Cl.
C07K 16/00 (2006.01)
C07K 16/46 (2006.01)
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- (54) DOSING REGIMEN FOR COMBINATION THERAPY TARGETING DLL3 AND PD-1
- (51) Int. Cl.
A61K 39/395 (2006.01)
A61P 35/00 (2006.01)
C07K 16/28 (2006.01)
C07K 16/46 (2006.01)
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 (54) METHOD OF OPTIMIZING A FILLING RECIPE FOR A DRUG CONTAINER
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B65B 3/00 (2006.01)
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 (21) 2022285665 (22) 01.06.2022
 (54) ACCELERATED METHOD OF MAKING LYOPHILIZED PROTEIN FORMULATIONS
 (51) Int. Cl.
A61K 9/19 (2006.01)
A61K 38/00 (2006.01)
A61K 47/12 (2006.01)
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 (72) MCCORMICK, Jeff; MCAULEY, Arnold
 (74) Spruson & Ferguson

(71) AMGEN INC.
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 (21) 2022288864 (22) 02.06.2022
 (54) DRUG DELIVERY DEVICES, FINGER-GRIP ELEMENTS, AND RELATED METHODS
 (51) Int. Cl.
A61M 5/178 (2006.01)
A61M 5/31 (2006.01)
A61M 5/46 (2006.01)
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 (72) SANCHEZ, Steve; HANCHAR, Scott; CLARK, Calvin
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 (21) 2022269312 (22) 06.05.2022
 (54) CD20 AND CD22 TARGETING ANTIGEN-BINDING MOLECULES FOR USE IN PROLIFERATIVE DISEASES
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C07K 16/28 (2006.01)
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G16H 15/00 (2018.01)
G16H 30/40 (2018.01)
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 (74) PHILLIPS ORMONDE FITZPATRICK

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 (54) METHODS FOR PROVIDING AN IMMERSIVE EXPERIENCE IN AN ENVIRONMENT
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G06F 3/01 (2006.01)
 (87) WO2022/221851
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 (74) FPA Patent Attorneys Pty Ltd

(71) ARVINAS OPERATIONS, INC.
 (11) AU-A-2022259683
 (21) 2022259683 (22) 15.04.2022
 (54) MODULATORS OF BCL6 PROTEOLYSIS AND ASSOCIATED METHODS OF USE
 (51) Int. Cl.
C07D 401/14 (2006.01)
A61K 31/45 (2006.01)
A61P 35/00 (2006.01)
C07D 471/04 (2006.01)
C07D 487/10 (2006.01)
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 (31) 63/175,678 (32) 16.04.21 (33) US
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 (72) BERLIN, Michael; DONG, Hanqing; SHERMAN, Dan; SNYDER, Lawrence B.; WANG, Jing; ZHANG, Wei
 (74) PHILLIPS ORMONDE FITZPATRICK

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 (54) REMOTE DETECTION OF PATHOGENS
 (51) Int. Cl.
G16B 35/20 (2019.01)

C12Q 1/68 (2018.01)
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 (31) 63/215,368 (32) 25.06.21 (33) US
 (43) 29.12.2022
 (72) QUAY, Steven C.
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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 (11) AU-A-2022256238
 (21) 2022256238 (22) 15.04.2022
 (54) MODULAR VALVE ASSEMBLIES WITH OPTIONAL SWING OUT
 (51) Int. Cl.
F16K 27/00 (2006.01)
E03B 7/07 (2006.01)
E03B 7/09 (2006.01)
E03C 1/02 (2006.01)
E03C 1/12 (2006.01)
F16K 27/02 (2006.01)
F16K 27/12 (2006.01)
F16L 29/00 (2006.01)
 (87) WO2022/217323
 (31) 63/176,139 (32) 16.04.21 (33) US
 (43) 20.10.2022
 (72) MORRIS, Peter John; ULLROT, Marcus Eric
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) AVULOTION
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 (21) 2022260542 (22) 22.04.2022
 (54) EXTRACELLULAR VESICLES FROM MESENCHYMAL STROMAL CELLS FOR TREATMENT OF DISEASES
 (51) Int. Cl.
C12N 5/077 (2010.01)
C07K 14/78 (2006.01)
 (87) WO2022/223767
 (31) 2150516-9 (32) 23.04.21 (33) SE
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 (72) GRINNEMO, Karl-Henrik; SIMONSON, Oscar; RODIN, Sergey
 (74) Spruson & Ferguson

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 (51) Int. Cl.
C12N 15/62 (2006.01)
C07K 14/705 (2006.01)
C07K 14/725 (2006.01)
C12N 5/078 (2010.01)
C12N 5/09 (2010.01)
C12N 15/63 (2006.01)
G01N 33/50 (2006.01)
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 (21) 2022257980 (22) 14.04.2022
 (54) RENDERING MOTION OF OBJECTS IN VIRTUAL ENVIRONMENTS
 (51) Int. Cl.
G06T 19/00 (2011.01)
G06F 3/0484 (2022.01)
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 (31) 2021901112 (32) 16.04.21 (33) AU
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 (74) Davies Collison Cave Pty Ltd
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- (71) BAE SYSTEMS HÄGGLUNDS AK-TIEBOLAG
 (11) AU-A-2022261700
 (21) 2022261700 (22) 20.04.2022
 (54) METHOD AND DEVICE FOR DETERMINING POTENTIAL DAMAGE OF AN ENDLESS TRACK OF A TRACKED VEHICLE
 (51) Int. Cl.
G01M 17/03 (2006.01)
B62D 55/00 (2006.01)
B62D 55/08 (2006.01)
B62D 55/12 (2006.01)
B62D 55/30 (2006.01)
G01M 13/045 (2019.01)
 (87) WO2022/225439
 (31) 2150512-8 (32) 23.04.21 (33) SE
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 (72) ROWA, Andreas
 (74) Davies Collison Cave Pty Ltd
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- (71) BAKER HUGHES OILFIELD OPERATIONS LLC
 (11) AU-A-2022252168
 (21) 2022252168 (22) 24.03.2022
 (54) OPEN HOLE MULTI-ZONE SINGLE TRIP COMPLETION SYSTEM
 (51) Int. Cl.
E21B 34/10 (2006.01)
E21B 23/06 (2006.01)
E21B 34/08 (2006.01)
 (87) WO2022/212154
 (31) 63/167,368 (32) 29.03.21 (33) US
 (43) 06.10.2022
 (72) HAMMER, Aaron C.; NAPIER, Daniel Quinton
 (74) Patent Attorney Services
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 (11) AU-A-2022254115
 (21) 2022254115 (22) 01.04.2022
 (54) ACTUATOR, METHOD AND SYSTEM
 (51) Int. Cl.
E21B 34/08 (2006.01)
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 (87) WO2022/217204
 (31) 17/223,172 (32) 06.04.21 (33) US
 (43) 13.10.2022
 (72) SEQUERA, Daniel; VU, John; EWING, Daniel
 (74) Patent Attorney Services
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 (54) CASE SIFT AND CLUSTER SIFT FOR OUTBREAK TRACKING AND MANAGEMENT
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G16H 50/80 (2018.01)
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 (74) K&L Gates
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 (21) 2022231255 (22) 03.03.2022
 (54) DRIVING DEVICE AND INSPECTION DEVICE
 (51) Int. Cl.
G07C 1/20 (2006.01)
 (87) WO2022/184151
 (31) 202120484911.1 (32) 05.03.21 (33) CN
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 (43) 09.09.2022
 (72) REN, Wei; LIU, Shuai; GU, Minyong; WANG, Peng; FU, Zhen; LI, Zaifeng; HUANG, Qian
 (74) Madderns Pty Ltd
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- (71) BILBERRY SAS
 (11) AU-A-2022244497
 (21) 2022244497 (22) 22.03.2022
 (54) SYSTEM FOR TREATING PLANTS ESPECIALLY IN AGRICULTURE
 (51) Int. Cl.
A01C 21/00 (2006.01)
A01M 7/00 (2006.01)
A01M 21/04 (2006.01)
B05B 1/20 (2006.01)
B05B 12/12 (2006.01)
G06V 10/70 (2022.01)
 (87) WO2022/201016
 (31) FR2103068 (32) 26.03.21 (33) FR
 (43) 29.09.2022
 (72) SERRAT, Hugo
 (74) AJ PARK
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 (21) 2022244498 (22) 22.03.2022
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 (51) Int. Cl.
A01C 23/00 (2006.01)
A01M 7/00 (2006.01)
B05B 1/20 (2006.01)
 (87) WO2022/201021
 (31) FR2103071 (32) 26.03.21 (33) FR
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 (72) SERRAT, Hugo
 (74) AJ PARK
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- (71) BIOAGE LABS, INC.; HITGEN, INC.
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 (21) 2022241754 (22) 23.03.2022
 (54) INHIBITORS OF NLRP3 INFLAMMASOME
 (51) Int. Cl.
A61P 29/00 (2006.01)
C07D 209/14 (2006.01)
C07D 231/56 (2006.01)
C07D 401/12 (2006.01)
C07D 403/12 (2006.01)
C07D 405/12 (2006.01)
C07D 409/12 (2006.01)
C07D 413/12 (2006.01)
C07D 417/12 (2006.01)
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 (31) 63/164,780 (32) 23.03.21 (33) US
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 (74) FB Rice Pty Ltd
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- (71) BIOMET MANUFACTURING, LLC
 (11) AU-A-2022254936
 (21) 2022254936 (22) 16.03.2022
 (54) SUTURE CONSTRUCT
 (51) Int. Cl.
A61B 17/06 (2006.01)
A61B 17/04 (2006.01)
 (87) WO2022/216424
 (31) 63/170,760 (32) 05.04.21 (33) US
 (43) 13.10.2022
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 (74) PHILLIPS ORMONDE FITZPATRICK
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 (54) COMBINATION THERAPY WITH AN ANTI-CA19-9 ANTIBODY AND FOLFIRINOX IN THE TREATMENT OF CANCER
 (51) Int. Cl.
C07K 16/30 (2006.01)
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 (31) 63/166,885 (32) 26.03.21 (33) US
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 (74) FB Rice Pty Ltd

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 (21) 2022256732 (22) 11.04.2022
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 (51) Int. Cl.
A61K 9/51 (2006.01)
A61K 9/19 (2006.01)
A61K 39/00 (2006.01)
A61K 39/12 (2006.01)
A61P 31/14 (2006.01)
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 (74) PHILLIPS ORMONDE FITZPATRICK
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 (11) AU-A-2022266850
 (21) 2022266850 (22) 29.04.2022
 (54) HANDHELD FIBRE TEST DEVICE
 (51) Int. Cl.
G01B 11/08 (2006.01)
G01N 21/84 (2006.01)
G01N 33/36 (2006.01)
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 (31) 2021901287 (32) 30.04.21 (33) AU
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B04B 7/06 (2006.01)
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B04B 11/04 (2006.01)
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G06F 11/00 (2006.01)
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A61N 1/08 (2006.01)
G01R 31/50 (2020.01)
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A47J 31/46 (2006.01)
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C12N 13/00 (2006.01)
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B60H 1/00 (2006.01)
F24F 13/00 (2006.01)
F25B 41/20 (2021.01)
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F25B 41/20 (2021.01)
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H01M 4/04 (2006.01)
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F16D 121/04 (2012.01)
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G06F 16/955 (2019.01)
G06Q 20/34 (2012.01)
H04L 9/40 (2022.01)
H04W 12/122 (2021.01)
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C21C 7/00 (2006.01)
F27B 3/00 (2006.01)
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A61M 60/148 (2021.01)
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F04D 29/048 (2006.01)
F16C 32/04 (2006.01)
H02K 7/09 (2006.01)
H02P 6/182 (2016.01)
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A61M 5/168 (2006.01)
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A61M 60/196 (2021.01)
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G01S 5/02 (2010.01)
E02F 9/26 (2006.01)
G01S 19/53 (2010.01)
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(54) SEGMENTED FRACTURING HORIZONTAL WELL COAL SEAM GAS EXTRACTION METHOD FOR BROKEN SOFT LOW-PERMEABILITY COAL SEAM ROOF OR FLOOR
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E21B 43/267 (2006.01)
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E21F 15/00 (2006.01)
C04B 28/04 (2006.01)
C04B 111/70 (2006.01)
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A61P 35/00 (2006.01)
C07K 16/28 (2006.01)
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A61L 27/36 (2006.01)
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A61D 7/00 (2006.01)
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F28D 7/10 (2006.01)
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G01N 15/00 (2006.01)
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A61K 47/36 (2006.01)
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A61K 47/06 (2006.01)
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C07C 211/16 (2006.01)
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A61K 31/437 (2006.01)
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C07D 471/04 (2006.01)
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A63F 13/213 (2014.01)
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(72) HOLLAND, Matthew
(74) Davies Collison Cave Pty Ltd
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- (71)** FLAGSHIP PIONEERING INNOVA-
 TIONS V, INC.
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(54) THANOTRANSMISSION POLY-
 PEPTIDES AND THEIR USE IN
 TREATING CANCER
(51) Int. Cl.
A61K 38/17 (2006.01)
A61K 39/00 (2006.01)
(87) WO2022/212784
(31) 63/292,667 **(32)** 22.12.21 **(33)** US
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(43) 06.10.2022
(72) SCHMIDT, Darby, Rye; NAGARA-
 JAN, Niranjana, Aditi; KAISER, Willi-
 am, Joseph; GOUGH, Peter, Joseph;
 DHAKAL, Sabin; HUBAUD, Alexis,
 Benoit
(74) Spruson & Ferguson
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- (71)** FLAVOUR CREATIONS PTY LTD
(11) AU-A-2022254409
(21) 2022254409 **(22)** 06.04.2022
(54) A COMPOSITION AND METHOD OF
 USE THEREOF
(51) Int. Cl.
A23L 33/00 (2016.01)

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A23L 29/269 (2016.01)
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(72) ERIKSEN, Bernadette
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(21) 2022249972 **(22)** 23.03.2022
(54) IMPROVEMENT TO A DEVICE FOR CONVERTING TO BIOETHANOL, ARRANGED TO PRODUCE A MODIFIED CONTROL SIGNAL
(51) Int. Cl.
F02D 19/06 (2006.01)
F02D 41/00 (2006.01)
F02D 41/20 (2006.01)
F02D 41/26 (2006.01)
(87) WO2022/208236
(31) FR2103387 **(32)** 01.04.21 **(33)** FR
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(72) LE POLLES, Sébastien
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(51) Int. Cl.
G06E 1/00 (2006.01)
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(31) 63/155,210 **(32)** 01.03.21 **(33)** US
(43) 09.09.2022
(72) FLINT, Alexander, Calhoun
(74) FPA Patent Attorneys Pty Ltd

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(21) 2022258191 **(22)** 11.04.2022
(54) FUNGICIDAL PYRIDONES
(51) Int. Cl.
C07D 213/64 (2006.01)
A01N 43/00 (2006.01)
C07D 213/85 (2006.01)
C07D 213/89 (2006.01)
C07D 401/04 (2006.01)
C07D 409/04 (2006.01)
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(74) WRAYS PTY LTD

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(54) DEVICE AND METHOD FOR BUNDLING HOLLOW FIBRE MEMBRANES

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B01D 63/02 (2006.01)
A61M 1/16 (2006.01)
B01D 69/08 (2006.01)
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(31) 10 2021 110 264.2 **(32)** 22.04.21 **(33)** DE
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(74) Davies Collision Cave Pty Ltd

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C12N 5/00 (2006.01)
C12Q 1/6881 (2018.01)
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(54) MACROCYCLIC AZOLOPYRIDINES
(51) Int. Cl.
C07D 491/22 (2006.01)
A61K 31/5365 (2006.01)
A61P 35/00 (2006.01)
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(31) 63/170,212 **(32)** 02.04.21 **(33)** US
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(72) MENNEN, Steven M.; MAYO, Robert Alex
(74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

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(21) 2022254859 **(22)** 08.04.2022
(54) NOVEL METHOD
(51) Int. Cl.
C12N 5/0783 (2010.01)
A61K 35/17 (2015.01)
A61K 39/00 (2006.01)
(87) WO2022/214825
(31) 2105113.1 **(32)** 09.04.21 **(33)** GB
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(72) HUTTON, Andrew John; KOVACS, Istvan; NUSSBAUMER, Oliver
(74) Griffith Hack

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(21) 2022254065 **(22)** 06.04.2022
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(51) Int. Cl.
G06Q 10/08 (2023.01)
G06K 19/07 (2006.01)

G16H 40/20 (2018.01)
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(54) CRYSTALLINE SORBENT MATERIALS FOR WATER CAPTURE AND RELEASE
(51) Int. Cl.
B01J 20/02 (2006.01)
B01D 53/04 (2006.01)
B01J 20/04 (2006.01)
C01C 3/12 (2006.01)
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(21) 2022262659 **(22)** 25.04.2022
(54) NOVEL ERGOLINES AND METHODS OF TREATING MOOD DISORDERS
(51) Int. Cl.
C07D 457/08 (2006.01)
A61K 31/48 (2006.01)
A61P 25/00 (2006.01)
C07D 457/06 (2006.01)
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(43) 63/308,376 09.02.22 US
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(72) KRUEGEL, Andrew Carry
(74) PHILLIPS ORMONDE FITZPATRICK

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(21) 2022234307 **(22)** 10.03.2022
(54) COMPOUNDS FOR TREATING CONDITIONS RELATED TO OXIDATIVE STRESS
(51) Int. Cl.
A61K 31/4152 (2006.01)
A61K 9/00 (2006.01)
A61K 9/08 (2006.01)
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(72) GIRI, Rajan, Shobhanath
(74) Griffith Hack

(71) GRANT DEMARTINO INDUSTRIES LLC
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(21) 2022378702 **(22)** 25.10.2022
(54) MAGNETOSTRICTIVE PIEZOELECTRIC NANOASSEMBLY AS CANCER CHEMOTHERAPEUTIC

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A61K 41/00 (2020.01)
A61K 47/54 (2017.01)
A61K 47/69 (2017.01)
A61K 51/04 (2006.01)
A61K 51/12 (2006.01)
A61P 35/00 (2006.01)
B82Y 5/00 (2011.01)
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(31) 63/263,067 (32) 26.10.21 (33) US
63/309,278 11.02.22 US
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(72) GRANT, Duane; GREY-RODRIGUEZ, Amanda
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- (71) GREAT WRAP PTY LTD
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(21) 2022243069 (22) 28.03.2022
(54) FILM AND METHOD
- (51) Int. Cl.
C08J 5/18 (2006.01)
B32B 9/02 (2006.01)
B32B 9/04 (2006.01)
B32B 27/36 (2006.01)
C08L 3/02 (2006.01)
C08L 67/02 (2006.01)
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(31) 2021900904 (32) 26.03.21 (33) AU
(43) 29.09.2022
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(54) PREPARATION AND APPLICATION OF POLYPEPTIDE
- (51) Int. Cl.
C07K 14/575 (2006.01)
A61K 38/22 (2006.01)
A61K 38/26 (2006.01)
A61P 1/16 (2006.01)
C07K 14/605 (2006.01)
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(21) 2021433515 (22) 08.06.2021
(54) PRODRUG OF CELECOXIB, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF
- (51) Int. Cl.
A61K 47/54 (2017.01)
- A61K 9/08** (2006.01)
A61K 31/635 (2006.01)
A61P 27/02 (2006.01)
A61P 29/00 (2006.01)
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(31) 202110276245.7 (32) 15.03.21 (33) CN
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- (71) GUSS AUTOMATION LLC
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(21) 2021432630 (22) 08.03.2021
(54) AUTONOMOUS VEHICLE SAFETY SYSTEM AND METHOD
- (51) Int. Cl.
B60W 60/00 (2020.01)
B60W 10/06 (2006.01)
B60W 10/10 (2012.01)
B60W 10/18 (2012.01)
B60W 50/00 (2006.01)
B60W 50/08 (2020.01)
G05D 1/00 (2006.01)
H04W 4/80 (2018.01)
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(43) 15.09.2022
(72) CRINKLAW, David; SCHAPANSKY, Chase; THOMPSON, Gary
(74) Griffith Hack
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(21) 2022255486 (22) 05.04.2022
(54) NEK7 INHIBITORS
- (51) Int. Cl.
C07D 487/04 (2006.01)
A61K 31/519 (2006.01)
A61P 31/00 (2006.01)
A61P 37/00 (2006.01)
C07D 471/04 (2006.01)
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(72) BEARSS, David James; KAUWE, John Sai Keong III; MOLLARD, Alexis Henri Abel
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- (71) HALLIBURTON ENERGY SERVICES, INC.
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(21) 2021454779 (22) 19.07.2021
(54) MUD MOTOR BEARING ASSEMBLY FOR USE WITH A DRILLING SYSTEM
- (51) Int. Cl.
E21B 7/06 (2006.01)
E21B 4/00 (2006.01)
E21B 4/02 (2006.01)
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(31) 17/305,567 (32) 09.07.21 (33) US
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(72) MUNGUIA, Joseph Robert; UDDIN, Hasib; HARDIN, John
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) HALLIBURTON ENERGY SERVICES, INC.
(11) AU-A-2021455353
(21) 2021455353 (22) 08.07.2021
(54) TEMPORARY WELLBORE BARRIER USING FERROMAGNETIC FLUID
- (51) Int. Cl.
E21B 33/13 (2006.01)
E21B 33/04 (2006.01)
E21B 33/12 (2006.01)
E21B 47/13 (2012.01)
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(72) ZHANG, Wei; HOLLY, Mark
(74) Spruson & Ferguson
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(21) 2022289469 (22) 07.06.2022
(54) SLEEVE WITH FLOW CONTROL ORIFICES
- (51) Int. Cl.
E21B 43/12 (2006.01)
E21B 33/12 (2006.01)
E21B 34/14 (2006.01)
E21B 43/267 (2006.01)
- (87) WO2022/261065
(31) 63/197,886 (32) 07.06.21 (33) US
63/197,924 07.06.21 US
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(43) 15.12.2022
(72) STEELE, David Joe
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) HALLIBURTON ENERGY SERVICES, INC.
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(21) 2022346609 (22) 24.05.2022
(54) DIFFERENTIAL FILL VALVE WITH COLLET SLEEVE
- (51) Int. Cl.
E21B 34/14 (2006.01)
E21B 23/04 (2006.01)
E21B 34/10 (2006.01)
- (87) WO2023/043507
(31) 17/530,661 (32) 19.11.21 (33) US
63/245,627 17.09.21 US
(43) 23.03.2023
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(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) HALLIBURTON ENERGY SERVICES, INC.
(11) AU-A-2022348529
(21) 2022348529 (22) 12.04.2022
(54) LIQUID PLUG FOR WELLBORE OPERATIONS
- (51) Int. Cl.

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E21B 43/26 (2006.01)
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(72) PATIL, Sandip, Prabhakar; PANGU, Ganesh, Shrinivas; PALLA, Venkata Gopala, Rao
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71)** HERITAGE RESEARCH GROUP, LLC
(11) AU-A-2022228582
(21) 2022228582 **(22)** 03.03.2022
(54) LAYERED MATERIAL
(51) Int. Cl.
E01C 7/18 (2006.01)
C04B 14/00 (2006.01)
C08J 3/03 (2006.01)
C08L 95/00 (2006.01)
E01C 7/32 (2006.01)
(87) WO2022/187446
(31) 63/200,363 **(32)** 03.03.21 **(33)** US
(43) 09.09.2022
(72) EICHER, Andrew, Jacob; EXLINE, Marvin, Keller; THOMAS, Todd
(74) Spruson & Ferguson
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- (71)** HOOKIPA BIOTECH GMBH
(11) AU-A-2022244100
(21) 2022244100 **(22)** 22.03.2022
(54) ARENAVIRUSES USED IN TREATMENTS OF PROSTATE CANCER
(51) Int. Cl.
C12N 9/64 (2006.01)
(87) WO2022/200373
(31) 63/165,028 **(32)** 23.03.21 **(33)** US
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(72) MATUSHANSKY, Igor; HWANG, Andy; KATCHAR, Kianoosh; LAUTERBACH, Henning; ORLINGER, Klaus; SCHMIDT, Sarah; STEMESIEDER, Felix
(74) FB Rice Pty Ltd
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- (71)** HOTSPOT THERAPEUTICS, INC.
(11) AU-A-2022256514
(21) 2022256514 **(22)** 15.04.2022
(54) COMPOUNDS, COMPOSITIONS AND METHODS OF TREATING CANCER
(51) Int. Cl.
C07D 471/04 (2006.01)
A61K 31/437 (2006.01)
A61P 35/00 (2006.01)
(87) WO2022/221704
(31) 63/175,974 **(32)** 16.04.21 **(33)** US
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(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** HOVER INC.
(11) AU-A-2022256963
(21) 2022256963 **(22)** 12.04.2022
(54) SYSTEMS AND METHODS FOR GENERATING OR RENDERING A THREE-DIMENSIONAL REPRESENTATION
(51) Int. Cl.
G06T 17/00 (2006.01)
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(31) 63/175,668 **(32)** 16.04.21 **(33)** US
 63/329,001 08.04.22 US
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(74) Davies Collison Cave Pty Ltd
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- (71)** HOWMET AEROSPACE INC.
(11) AU-A-2021436837
(21) 2021436837 **(22)** 25.03.2021
(54) DYNAMIC VEHICLE WHEEL BALANCE APPARATUS, VEHICLE WHEEL, POWERED VEHICLE, AND METHOD FOR MANUFACTURE THEREOF
(51) Int. Cl.
B60B 7/08 (2006.01)
B60B 7/06 (2006.01)
B60B 21/12 (2006.01)
G01M 1/30 (2006.01)
(87) WO2022/203673
(43) 29.09.2022
(72) MASON, Douglas, P.; JÜLING, Dieter; KUNISCHEWSKI, Tobias
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** HUAWEI DIGITAL POWER TECHNOLOGIES CO., LTD.
(11) AU-A-2021432442
(21) 2021432442 **(22)** 10.03.2021
(54) PHOTOVOLTAIC SYSTEM, INVERTER AND CONTROL METHOD
(51) Int. Cl.
H02M 7/487 (2007.01)
(87) WO2022/188063
(43) 15.09.2022
(72) YU, Xinyu; WANG, Xudong; XIN, Kai; SHI, Lei
(74) Halfords IP
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- (71)** HUAWEI DIGITAL POWER TECHNOLOGIES CO., LTD.
(11) AU-A-2021438909
(21) 2021438909 **(22)** 31.03.2021
(54) Power supply system, inverter, and method for controlling positive and negative bus voltages of inverter
(51) Int. Cl.
H02M 7/42 (2006.01)
H02J 3/38 (2006.01)
(87) WO2022/205101
(43) 06.10.2022
(72) YU, Xinyu; XIN, Kai
(74) Halfords IP
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- (71)** HUAWEI TECHNOLOGIES CO., LTD.
(11) AU-A-2022251506
(21) 2022251506 **(22)** 29.03.2022
(54) PAGING METHOD AND APPARATUS
(51) Int. Cl.
H04W 68/00 (2009.01)
H04W 68/02 (2009.01)
(87) WO2022/206721
(31) 202110333458.9 **(32)** 29.03.21 **(33)** CN
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(72) XIANG, Hongyu; CHEN, Lei; XIE, Zonghui
(74) Spruson & Ferguson
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- (71)** HUNTER DOUGLAS INC.
(11) AU-A-2022249275
(21) 2022249275 **(22)** 29.03.2022
(54) LAMINATE
(51) Int. Cl.
B32B 5/02 (2006.01)
B32B 5/12 (2006.01)
B32B 5/26 (2006.01)
(87) WO2022/212332
(31) 63/167,972 **(32)** 30.03.21 **(33)** US
(43) 06.10.2022
(72) SWISZCZ, Paul G.
(74) Spruson & Ferguson
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- (71)** HYDAC INTERNATIONAL GMBH
(11) AU-A-2022249449
(21) 2022249449 **(22)** 09.03.2022
(54) METHOD FOR TREATING PROCESS FLUIDS, AND FILTER DEVICE FOR CARRYING OUT THE METHOD
(51) Int. Cl.
C25B 1/04 (2021.01)
C25B 9/19 (2021.01)
C25B 15/08 (2006.01)
(87) WO2022/207261
(31) 10 2021 001 631.9 **(32)** 27.03.21 **(33)** DE
(43) 06.10.2022
(72) KÖNIG, Sebastian
(74) FB Rice Pty Ltd
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- (71)** I.V.A.R. S.P.A.
(11) AU-A-2022259031
(21) 2022259031 **(22)** 29.03.2022
(54) DEVICE AND METHOD FOR TREATING FLUIDS
(51) Int. Cl.
B01F 21/20 (2022.01)
B01F 25/316 (2022.01)
(87) WO2022/219439
(31) 102021000009689 **(32)** 16.04.21 **(33)** IT
(43) 20.10.2022
(72) BERLOTTI, Umberto; CONTINI, Mario
(74) GLMR
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- (71)** IDORSIA PHARMACEUTICALS LTD
(11) AU-A-2022228660
(21) 2022228660 **(22)** 02.03.2022
(54) TRIAZOLYL-METHYL SUBSTITUTED ALPHA-D-GALACTOPYRANOSIDE DERIVATIVES
(51) Int. Cl.
C07D 405/14 (2006.01)
A61K 31/4192 (2006.01)
A61P 1/00 (2006.01)
A61P 9/00 (2006.01)
A61P 13/12 (2006.01)

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A61P 29/00 (2006.01)
A61P 35/00 (2006.01)
A61P 37/00 (2006.01)
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(31) PCT/ (32) 03.03.21 (33) EP
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(43) 09.09.2022
(72) BOLLI, Martin; GATFIELD, John;
GRISOSTOMI, Corinna; REMEN, Lub-
os; SAGER, Christoph; ZUMBRUNN,
Cornelia
(74) AJ PARK
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- (71) IFP ENERGIES NOUVELLES
(11) AU-A-2022268530
(21) 2022268530 (22) 28.04.2022
(54) PROCESS FOR THE SIMULTANEOUS
PROCESSING OF PLASTICS PYRO-
LYSIS OILS AND OF A FEEDSTOCK
ORIGINATING FROM RENEWABLE
RESOURCES
(51) Int. Cl.
C10G 1/00 (2006.01)
C10G 1/10 (2006.01)
C10G 9/36 (2006.01)
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C10B 53/07 (2006.01)
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G01S 19/06 (2010.01)
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A61K 31/501 (2006.01)
A61K 31/5025 (2006.01)
A61P 3/10 (2006.01)
A61P 9/00 (2006.01)
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A61K 47/18 (2017.01)
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A61J 1/05 (2006.01)
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C07C 217/58 (2006.01)
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A61K 35/76 (2015.01)
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A61K 38/22 (2006.01)
A61P 1/18 (2006.01)
A61P 3/10 (2006.01)
A61P 43/00 (2006.01)
C07K 14/475 (2006.01)
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C07K 14/62 (2006.01)
C12N 5/10 (2006.01)
C12N 15/12 (2006.01)
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C07K 14/715 (2006.01)
C12N 15/86 (2006.01)
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A43B 3/40 (2022.01)
A43B 7/145 (2022.01)
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(21) 2023222907 **(22)** 27.03.2023
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 ONDARY BATTERY MATERIAL FROM
 BLACK MASS
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C01D 15/02 (2006.01)
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G08G 1/095 (2006.01)
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C07D 471/04 (2006.01)
A01N 43/90 (2006.01)
A01N 47/02 (2006.01)
A01P 7/04 (2006.01)
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 FOR PERFORMING MAINTENANCE
 OR SERVICE
(51) Int. Cl.
B25C 1/04 (2006.01)
B25C 1/00 (2006.01)
B25C 5/10 (2006.01)
B25C 5/13 (2006.01)
B25F 5/00 (2006.01)
B25F 5/02 (2006.01)
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(54) METHOD FOR FASTENING AN AS-
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G01L 1/22 (2006.01)
F17C 13/02 (2006.01)
G01L 9/04 (2006.01)
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B29C 64/135 (2017.01)
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B29C 64/264 (2017.01)
B29C 64/268 (2017.01)
B33Y 10/00 (2015.01)
B33Y 30/00 (2015.01)
B33Y 70/00 (2020.01)
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A61P 35/00 (2006.01)
C12N 15/09 (2006.01)
C12N 15/85 (2006.01)
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G06Q 50/06 (2012.01)

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H01M 10/054 (2010.01)
C04B 35/113 (2006.01)
C04B 35/447 (2006.01)
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H01M 10/0562 (2010.01)
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A47J 31/60 (2006.01)
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A47B 83/02 (2006.01)
A47C 1/12 (2006.01)
A47C 7/66 (2006.01)
A47C 7/72 (2006.01)
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F16L 9/147 (2006.01)
B65G 53/04 (2006.01)
B65G 53/16 (2006.01)
F16L 21/00 (2006.01)
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 TION OF A ROLLING BEARING, AND
 A CORRESPONDING METHOD
(51) Int. Cl.
F16C 19/28 (2006.01)
F16C 19/48 (2006.01)
F16C 19/52 (2006.01)
F16C 25/06 (2006.01)
F16C 35/077 (2006.01)
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E04G 21/24 (2006.01)
B65B 27/02 (2006.01)
B65D 33/00 (2006.01)
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A61K 31/45 (2006.01)
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A61P 25/00 (2006.01)
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C07D 401/10 (2006.01)
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C22C 38/00 (2006.01)
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C22C 38/50 (2006.01)
C21D 8/00 (2006.01)
C21D 9/34 (2006.01)
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A61B 1/00 (2006.01)
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H04W 72/12 (2023.01)
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H04W 52/36 (2009.01)
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(51) Int. Cl.
C07D 405/14 (2006.01)
A61K 31/4439 (2006.01)
A61P 1/00 (2006.01)
A61P 1/16 (2006.01)
A61P 3/00 (2006.01)
A61P 3/04 (2006.01)
A61P 3/06 (2006.01)
A61P 3/10 (2006.01)
A61P 9/00 (2006.01)
A61P 9/04 (2006.01)
A61P 9/06 (2006.01)
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(74) Davies Collison Cave Pty Ltd
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A61K 47/54 (2017.01)
A61P 5/48 (2006.01)
C07K 14/605 (2006.01)
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A61P 31/14 (2006.01)
C12Q 1/6886 (2018.01)
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(51) Int. Cl.
A01K 47/06 (2006.01)
A01K 51/00 (2006.01)
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(51) Int. Cl.
F27B 1/00 (2006.01)
C04B 14/18 (2006.01)
C04B 20/06 (2006.01)
F27B 1/10 (2006.01)
F27D 3/18 (2006.01)
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A61F 13/49 (2006.01)
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A61F 13/49 (2006.01)
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G06F 3/06 (2006.01)
G06F 16/17 (2019.01)
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(51) Int. Cl.
A61K 38/095 (2019.01)
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C04B 28/04 (2006.01)
C04B 28/06 (2006.01)
C04B 28/16 (2006.01)
E01B 3/28 (2006.01)
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 A63B 21/00 (2006.01)
 A63B 21/005 (2006.01)
 A63B 24/00 (2006.01)
 A63B 71/00 (2006.01)
 A63B 71/06 (2006.01)
 (87) WO2022/212737
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 C09D 5/18 (2006.01)
 C09K 21/02 (2006.01)
 C09K 21/10 (2006.01)
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 A61F 2/24 (2006.01)
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 A61K 31/485 (2006.01)
 A61F 2/00 (2006.01)
 A61K 9/00 (2006.01)
 A61K 47/18 (2017.01)
 A61L 31/00 (2006.01)
 A61M 5/00 (2006.01)
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 C09K 5/06 (2006.01)
 F01K 3/00 (2006.01)
 F15B 21/04 (2019.01)
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 A61K 31/451 (2006.01)
 A61P 25/14 (2006.01)
 A61P 25/28 (2006.01)
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 C07H 1/00 (2006.01)
 C07H 5/10 (2006.01)
 C07H 11/00 (2006.01)
 C07H 15/04 (2006.01)
 C07J 17/00 (2006.01)
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 (74) FPA Patent Attorneys Pty Ltd
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 H04R 1/02 (2006.01)
 H04R 1/40 (2006.01)
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 (51) Int. Cl.
 B64C 39/02 (2023.01)
 H02S 50/00 (2014.01)
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G06N 10/40 (2022.01)
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B63G 8/22 (2006.01)
B63G 8/00 (2006.01)
B63G 8/08 (2006.01)
B63G 8/24 (2006.01)
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A61K 9/51 (2006.01)
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A61K 47/24 (2006.01)
A61K 48/00 (2006.01)
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G01R 31/34 (2020.01)
F03D 17/00 (2016.01)
G08C 25/00 (2006.01)
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 (51) Int. Cl.
C12Q 1/6876 (2018.01)
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 (54) DEFROST SYSTEMS AND METHODS FOR HEAT PUMP WATER HEATERS
 (51) Int. Cl.
F24H 15/136 (2022.01)
F24F 11/42 (2018.01)
F25B 47/02 (2006.01)
F25D 21/00 (2006.01)
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 (54) SHADE TOLERANT LETTUCE
 (51) Int. Cl.
C12N 15/82 (2006.01)
 (87) WO2022/234045
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 (54) GLYCOSYLATED OPIOIDS
 (51) Int. Cl.
C12N 9/00 (2006.01)
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 (74) FPA Patent Attorneys Pty Ltd
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 (54) A SHORING ARRANGEMENT
 (51) Int. Cl.
E02D 17/08 (2006.01)
E21D 11/22 (2006.01)
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G06T 7/80 (2017.01)
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 (21) 2022267355 (22) 29.04.2022
 (54) DEVICE FOR COLLECTING MATERIAL FROM AIR
 (51) Int. Cl.
G01N 1/22 (2006.01)
B03C 3/15 (2006.01)
C12M 1/26 (2006.01)
G01N 1/24 (2006.01)
G01N 1/28 (2006.01)
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 (31) 63/201,475 (32) 30.04.21 (33) US
 (43) 03.11.2022
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 (74) HENRY HUGHES IP LTD
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 (11) AU-A-2022242187
 (21) 2022242187 (22) 23.03.2022
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 (51) Int. Cl.
H04L 9/40 (2022.01)
G06Q 20/38 (2012.01)
G16Y 10/45 (2020.01)
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 (31) 63/165,116 (32) 23.03.21 (33) US
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G06F 16/95 (2019.01)
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C25B 15/08 (2006.01)
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B01D 19/00 (2006.01)
B01D 53/14 (2006.01)
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B01D 53/74 (2006.01)
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A62C 35/60 (2006.01)
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A01B 39/18 (2006.01)
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A61K 38/00 (2006.01)
A61P 31/12 (2006.01)
C07K 14/00 (2006.01)
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B07C 5/34 (2006.01)
B01J 19/12 (2006.01)
C01B 32/28 (2017.01)
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C12C 5/02 (2006.01)
C12G 3/005 (2019.01)
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(74) FPA Patent Attorneys Pty Ltd
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A61P 31/04 (2006.01)
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G06T 7/20 (2017.01)
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H01M 4/131 (2010.01)
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H01M 50/207 (2021.01)
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C11D 3/37 (2006.01)
C11D 1/722 (2006.01)
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C23G 5/06 (2006.01)
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A23G 1/00 (2006.01)
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C07D 249/12 (2006.01)
A01N 43/80 (2006.01)
A01P 13/00 (2006.01)
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A47J 43/07 (2006.01)
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A47J 43/07 (2006.01)
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A61K 9/16 (2006.01)
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 (11) AU-A-2022249064
 (21) 2022249064 (22) 30.03.2022
 (54) SYSTEMS AND METHODS FOR TASK DETERMINATION, DELEGATION, AND AUTOMATION
 (51) Int. Cl.
G06N 5/02 (2023.01)
G06N 99/00 (2019.01)
G06Q 10/00 (2023.01)
G06Q 30/00 (2023.01)
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A23J 1/00 (2006.01)
A23J 3/04 (2006.01)
A23J 3/28 (2006.01)
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B01J 13/02 (2006.01)
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 (74) Griffith Hack
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 (21) 2022249064 (22) 30.03.2022
 (54) SYSTEMS AND METHODS FOR TASK DETERMINATION, DELEGATION, AND AUTOMATION
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G06N 5/02 (2023.01)
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G06Q 10/00 (2023.01)
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B07B 4/08 (2006.01)
B03B 5/46 (2006.01)
B09B 5/00 (2006.01)
C04B 11/26 (2006.01)
B09B 101/25 (2022.01)
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 (72) TANI, Hirokuni
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 (21) 2022262845 (22) 21.04.2022
 (54) TRIAZOLONES, TETRAZOLONES, AND IMIDAZOLONES, OR THEIR SALTS, AND PHARMACEUTICAL COMPOSITIONS COMPRISING THE SAME
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C07D 409/14 (2006.01)
A61K 31/41 (2006.01)
A61K 31/4155 (2006.01)
A61K 31/4439 (2006.01)
A61K 31/4709 (2006.01)
A61P 1/16 (2006.01)
C07D 257/04 (2006.01)
C07D 401/10 (2006.01)
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 (72) TAK, Hee Jae; KIM, Eun Kyung; CHO, Hyok Jun; LIM, Cheol Hee
 (74) FPA Patent Attorneys Pty Ltd
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- (71) ZANOPRIMA LIFESCIENCES LIMITED
 (11) AU-A-2022256816
 (21) 2022256816 (22) 08.04.2022
 (54) SUPPORTED NICOTINE COMPOSITION
 (51) Int. Cl.
A24B 13/00 (2006.01)
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A24B 15/28 (2006.01)
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 (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD
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 (21) 2022255335 (22) 08.04.2022
 (54) PROCESS OF MAKING A SIZED AND RESIN-COATED FIBER
 (51) Int. Cl.
 C08J 5/04 (2006.01)
 C08J 5/06 (2006.01)
 C08L 77/06 (2006.01)
 D06M 13/402 (2006.01)
 D06M 15/59 (2006.01)
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| 2021431659 | OVERAIL S.R.L. | 2022231961 | B.G. NEGEV TECHNOLOGIES & APPLICATIONS LTD., AT BEN-GURION UNIVERSITY |
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| 2021438909 | HUAWEI DIGITAL POWER TECHNOLOGIES CO., LTD. | 2022233478 | QUANTUM MOTION TECHNOLOGIES LIMITED |
| 2021439033 | KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.) | 2022233493 | SWISSLOGO AG |
| 2021440841 | SHENZHEN NEWDEL BIOTECH CO., LTD. | 2022233873 | ABIONYX PHARMA SA |
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| 2021441323 | TECHTRONIC CORDLESS GP | 2022234307 | GIRI, R.S. |
| 2021441381 | MICROPOROUS TECHNOLOGY (NINGBO) LTD. | 2022234358 | CHILDREN'S MEDICAL CENTER CORPORATION |
| 2021443970 | VECTOR MAGNETICS LLC | 2022234677 | ENPHASE ENERGY, INC. |
| 2021445202 | CCTEG XI'AN RESEARCH INSTITUTE (GROUP) CO., LTD | 2022234780 | POCKET NALOXONE CORP. |
| 2021445820 | JIANGSU HUAGENE MEDICAL RESEARCH INSTITUTE CO., LTD. | 2022234833 | L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE |
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| 2021447930 | RMD KWIKFORM LIMITED | 2022235151 | VAN GASTEL, A.L. |
| 2021449207 | ESSITY HYGIENE AND HEALTH AKTIEBOLAG | 2022235271 | ELICIO THERAPEUTICS, INC. |
| 2021449957 | ESSITY HYGIENE AND HEALTH AKTIEBOLAG | 2022235769 | TAROKO DOOR & WINDOW TECHNOLOGIES, INC. |
| 2021454779 | HALLIBURTON ENERGY SERVICES, INC. | 2022236390 | COUNTAGEN AB |
| 2021455353 | HALLIBURTON ENERGY SERVICES, INC. | 2022236445 | TOOPI ORGANICS |
| 2021458880 | MITSUBISHI ELECTRIC CORPORATION | 2022237623 | JOHNSON CONTROLS TYCO IP HOLDINGS LLP |
| 2022228483 | FLINT, A.C. | 2022237648 | ELPIS BIOPHARMACEUTICALS |
| 2022228571 | SCHOLLE IPN CORPORATION | 2022237667 | THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY |
| 2022228582 | HERITAGE RESEARCH GROUP, LLC | 2022237852 | TOOPI ORGANICS |
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| 2022228660 | IDORSIA PHARMACEUTICALS LTD | 2022238882 | COTROPIA, J.; CHANDRA, G. |
| 2022229462 | SHEN ZHEN BIOROCKS BIOTECHNOLOGY COMPANY LIMITED | 2022238919 | DEXCOM, INC. |
| 2022229597 | UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION, INC. | 2022239499 | SEAGEN INC. |
| 2022229772 | MEDOS INTERNATIONAL SARL | 2022239636 | BOSTON SCIENTIFIC NEUROMODULATION CORPORATION |
| 2022229774 | BÜHLER AG | 2022239871 | SLEIPNER FINLAND OY |
| 2022229851 | ONTEX BV; ONTEX GROUP NV | 2022240596 | TAKEDA PHARMACEUTICAL COMPANY LIMITED |
| 2022229897 | MORT, T.J. | 2022240650 | SHENZHEN FORWARD PHARMACEUTICALS CO., LIMITED |
| 2022229959 | THORN SECURITY LIMITED | 2022241077 | LIGHTCAST DISCOVERY LTD |
| 2022230011 | SHANGHAI QILU PHARMACEUTICAL RESEARCH AND DEVELOPMENT CENTRE LTD. | 2022241149 | NICOVENTURES TRADING LIMITED |
| 2022230203 | MEDOS INTERNATIONAL SARL | 2022241754 | BIOAGE LABS, INC.; HITGEN, INC. |
| 2022230212 | JANSSEN PHARMACEUTICA NV | 2022241770 | CARBONTEC ENERGY CORPORATION |
| 2022230223 | ONTEX BV; ONTEX GROUP NV | 2022242086 | SPECIFIC BIOLOGICS INC. |
| 2022230334 | SINGHAL, I.; GUPTA, I.K.; GUPTA, K. | 2022242187 | ROYAL BANK OF CANADA |
| 2022230439 | TOSK, INC. | 2022242562 | MATTHEWS INTERNATIONAL CORPORATION |
| 2022230492 | KAGOSHIMA UNIVERSITY | 2022242706 | TRELLEBORG SEALING PROFILES GERMANY GMBH |
| 2022230734 | MEDOS INTERNATIONAL SARL | 2022242768 | OT4B; CENTRE HOSPITALIER UNIVERSITAIRE DE TOULOUSE; UNIVERSITE TOULOUSE III – PAUL SABATIER |
| 2022230799 | ADAPTIX LTD | 2022242921 | THE JOHNS HOPKINS UNIVERSITY |
| 2022230994 | BOSTON SCIENTIFIC NEUROMODULATION CORPORATION | 2022243068 | CARDIOBIONIC PTY LTD |
| 2022231107 | PROGEN PG500 SERIES PTY LTD | 2022243069 | GREAT WRAP PTY LTD |
| 2022231255 | BEIJING TIANMA INTELLIGENT CONTROL TECHNOLOGY CO., LTD.; BEIJING CCRI-TIANMA AUTOMATION TECHNOLOGY CO., LTD. | 2022243919 | BREVILLE PTY LIMITED |
| 2022231352 | JANSSEN PHARMACEUTICA NV | 2022243946 | BJARNE CHRISTIAN NIELSEN HOLDING APS |
| | | 2022244100 | HOOKIPA BIOTECH GMBH |
| | | 2022244125 | BIONTECH SE |
| | | 2022244355 | RECODE THERAPEUTICS, INC.; THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM |

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| 2022244497 | BILBERRY SAS | 2022253897 | CHDI FOUNDATION, INC. |
| 2022244498 | BILBERRY SAS | 2022254050 | ABIOMED, INC. |
| 2022245058 | CORNING RESEARCH & DEVELOPMENT CORPORATION | 2022254065 | GENENTECH, INC. |
| 2022245358 | IMPERIAL COLLEGE INNOVATIONS LIMITED | 2022254077 | STEALTH BIOTHERAPEUTICS INC. |
| 2022245592 | JCR PHARMACEUTICALS CO., LTD. | 2022254101 | DISRUPTION LABS, INC. |
| 2022245958 | J. VAN WALRAVEN HOLDING B.V. | 2022254115 | BAKER HUGHES OILFIELD OPERATIONS LLC |
| 2022246163 | NEVRO CORP. | 2022254213 | ADVANCED HUMAN IMAGING LIMITED |
| 2022246299 | ROYAL BANK OF CANADA | 2022254232 | MORRISON PACIFIC PTY LTD |
| 2022246525 | CATERPILLAR INC. | 2022254409 | FLAVOUR CREATIONS PTY LTD |
| 2022246645 | W.M. BARR & COMPANY, INC. | 2022254515 | CARMAT |
| 2022246663 | SIRONA MEDICAL, INC. | 2022254524 | VOLTA STRUCTURAL ENERGY S.R.L. |
| 2022246675 | AMGEN INC. | 2022254607 | CAREFUSION 303, INC. |
| 2022246885 | PELTON INTERACTIVE, INC. | 2022254618 | CAREFUSION 303, INC. |
| 2022246895 | FLAGSHIP PIONEERING INNOVATIONS V, INC. | 2022254629 | MITZ, H. |
| 2022246909 | TERRAN BIOSCIENCES INC.; UNIVERSITY OF MARYLAND, BALTIMORE | 2022254630 | ENVOY MEDICAL CORPORATION |
| 2022246923 | NAGELE, P. | 2022254648 | BOOZ ALLEN HAMILTON INC. |
| 2022246953 | NOKIA TECHNOLOGIES OY | 2022254712 | SINTX TECHNOLOGIES, INC. |
| 2022247162 | JULIUS-MAXIMILIANS-UNIVERSITÄT WÜRZBURG | 2022254859 | GAMMADELTA THERAPEUTICS LTD |
| 2022247336 | TERRAMERA, INC. | 2022254868 | LUIGI LAVAZZA S.P.A. |
| 2022247410 | ADAMA MAKHTESHIM LTD. | 2022254936 | BIOMET MANUFACTURING, LLC |
| 2022247875 | MITSUBISHI UBE CEMENT CORPORATION | 2022254979 | TESLA, INC. |
| 2022247951 | NIPPON PAINT SURF CHEMICALS CO., LTD. | 2022255047 | ABBVIE INC. |
| 2022248265 | SUMITOMO HEAVY INDUSTRIES, LTD. | 2022255248 | ALAKAI TECHNOLOGIES CORPORATION |
| 2022249044 | VIASAT, INC. | 2022255309 | PERIMETER SOLUTIONS LP |
| 2022249064 | YOHANA LLC | 2022255335 | ZOLTEK COMPANIES, INC. |
| 2022249076 | THE REGENTS OF THE UNIVERSITY OF CALIFORNIA | 2022255387 | TAKEDA PHARMACEUTICAL COMPANY LIMITED |
| 2022249146 | FULCRUM THERAPEUTICS, INC. | 2022255486 | HALIA THERAPEUTICS, INC. |
| 2022249177 | THE GENERAL HOSPITAL CORPORATION; REVOLUTION MEDICINES, INC. | 2022255509 | MONSANTO TECHNOLOGY LLC |
| 2022249218 | INTERDIGITAL PATENT HOLDINGS, INC. | 2022255607 | KOVALOVSKÝ, F. |
| 2022249268 | CATERPILLAR INC. | 2022255691 | LINWOOD RESOURCES, LLC |
| 2022249275 | HUNTER DOUGLAS INC. | 2022255705 | CRYOPORT, INC. |
| 2022249299 | RHEEM MANUFACTURING COMPANY | 2022255716 | PRESIDENT AND FELLOWS OF HARVARD COLLEGE |
| 2022249375 | CHEVRON U.S.A. INC. | 2022255718 | BOSTON SCIENTIFIC SCIMED, INC. |
| 2022249392 | NUTCRACKER THERAPEUTICS, INC. | 2022255797 | NI COVENTURES TRADING LIMITED |
| 2022249449 | HYDAC INTERNATIONAL GMBH | 2022255806 | 1ENCLOSE BV |
| 2022249818 | ALUMATIQ AS | 2022255862 | FIELD EFFECT SOFTWARE INC. |
| 2022249972 | FLEX FUEL-ENERGY DEVELOPMENT (FFED) | 2022256017 | CAREFUSION 303, INC. |
| 2022249977 | 3M INNOVATIVE PROPERTIES COMPANY | 2022256018 | CATERPILLAR INC. |
| 2022250020 | DENKA COMPANY LIMITED; NATIONAL UNIVERSITY CORPORATION KUMAMOTO UNIVERSITY | 2022256034 | CROCKETT, R. |
| 2022250255 | KUMIAI CHEMICAL INDUSTRY CO., LTD. | 2022256071 | JAZZ PHARMACEUTICALS IRELAND LTD. |
| 2022250859 | CEVA SANTE ANIMALE | 2022256238 | AUSTRALIAN VALVE GROUP PTY LTD |
| 2022250882 | ALUMATIQ AS | 2022256243 | SEABRIDGE GOLD INC. |
| 2022251034 | LINA ENERGY LTD. | 2022256514 | HOTSPOT THERAPEUTICS, INC. |
| 2022251148 | DANTAS JUNIOR, L. | 2022256732 | BIONTECH SE; BIONTECH DELIVERY TECHNOLOGIES GMBH |
| 2022251320 | 4C BIOMED LIMITED; SHEBA IMPACT LTD. | 2022256816 | ZANOPRIMA LIFESCIENCES LIMITED |
| 2022251506 | HUAWEI TECHNOLOGIES CO., LTD. | 2022256948 | 3 AIM IP PTY LTD |
| 2022251588 | TRANSTHERA SCIENCES (NANJING), INC. | 2022256963 | HOVER INC. |
| 2022251927 | YNSECT NL B.V. | 2022257019 | THE MOREL COMPANY LLC |
| 2022251932 | ALUMATIQ AS | 2022257095 | JOHNSON, C.K. |
| 2022251985 | MERUS N.V. | 2022257116 | CELULARITY INC. |
| 2022252064 | ADAMA AUSTRALIA PTY LIMITED | 2022257750 | NIPPON STEEL CORPORATION |
| 2022252168 | BAKER HUGHES OILFIELD OPERATIONS LLC | 2022257980 | BAE SYSTEMS AUSTRALIA LIMITED |
| 2022252169 | INTERDIGITAL PATENT HOLDINGS, INC. | 2022258191 | FMC CORPORATION |
| 2022252175 | ILLUMINA, INC. | 2022258250 | MRM HK LIMITED |
| 2022252299 | RESOLUTION BIOSCIENCE, INC. | 2022258420 | TOPPY S.R.L. |
| 2022252308 | WESTROCK PACKAGING SYSTEMS, LLC | 2022258453 | THE REGENTS OF THE UNIVERSITY OF CALIFORNIA |
| 2022252419 | THE JOHNS HOPKINS UNIVERSITY | 2022258552 | ACM BIOLABS PTE LTD |
| 2022252500 | ANODE IP LLC | 2022258720 | THE REGENTS OF THE UNIVERSITY OF CALIFORNIA |
| 2022252952 | SAFETRACK INFRASTRUCTURES SISAB AB | 2022258722 | ECOLAB USA INC. |
| 2022253064 | SELECTA BIOSCIENCES, INC. | 2022258723 | COPYRIGHT CLEARANCE CENTER, INC. |
| 2022253241 | WELDFIT LLC | 2022258771 | GENESIS SYSTEMS LLC |
| 2022253454 | QSC, LLC | 2022258815 | ABIONYX PHARMA SA |
| 2022253464 | ISP INVESTMENTS LLC | 2022258832 | CELGENE CORPORATION |
| 2022253591 | JOHNSON & JOHNSON CONSUMER INC. | 2022258962 | APPLE INC. |
| 2022253627 | SCRAPETEC GMBH | 2022258968 | IKENA ONCOLOGY, INC. |
| 2022253689 | MAS INNOVATION (PRIVATE) LIMITED | 2022259031 | I.V.A.R. S.P.A. |
| 2022253700 | LUIGI LAVAZZA S.P.A. | 2022259035 | STRIKE TECH (PROPRIETARY) LIMITED |
| | | 2022259044 | NOVARTIS AG |

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| 2022259323 | LEGEND BIOTECH USA INC. | 2022269324 | MARICAP OY |
| 2022259522 | SYNLOGIC OPERATING COMPANY, INC. | 2022269401 | ALCON INC. |
| 2022259611 | NEUROPN THERAPEUTICS, LLC | 2022269580 | TRUSTEES OF TUFTS COLLEGE; VICERO, INC. |
| 2022259683 | ARVINAS OPERATIONS, INC. | 2022269658 | CO2RAIL COMPANY (A WYOMING CORPORATION) |
| 2022259887 | SMC CORPORATION | 2022269713 | DYNASCAN TECHNOLOGY CORP. |
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| 2022260125 | ACT THERAPEUTICS LTD | 2022269883 | EXSCIENTIA AI LIMITED |
| 2022260253 | ABIOMED, INC. | 2022270697 | VIOLA BIO, INC. |
| 2022260526 | VIFOR (INTERNATIONAL) AG | 2022270874 | IFP ENERGIES NOUVELLES |
| 2022260542 | AVULOTION | 2022270929 | RIVER STONE BIOTECH APS |
| 2022260655 | CAPITAL ONE SERVICES, LLC. | 2022270937 | RIJK ZWAAN ZAADTEELT EN ZAADHANDEL B.V. |
| 2022260803 | ULLMANNA S.R.O. | 2022271211 | TEH YOR CO., LTD. |
| 2022260805 | NOVARTIS AG | 2022271689 | UNIVERSITY PUBLIC CORPORATION OSAKA; NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY; DAICEL CORPORATION |
| 2022261029 | SHANGHAI HANSOH BIOMEDICAL CO., LTD.; JI-ANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD. | 2022272129 | ALCON INC. |
| 2022261402 | FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH | 2022272194 | YOSHINO GYPSUM CO., LTD. |
| 2022261700 | BAE SYSTEMS HÄGGLUNDS AKTIEBOLAG | 2022273424 | TYCO FIRE PRODUCTS LP |
| 2022261702 | QUANTIFIED ENERGY LABS PTE. LTD. | 2022273509 | AMGEN INC. |
| 2022261737 | MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH | 2022273841 | OMYA INTERNATIONAL AG |
| 2022261774 | OLIVER, R.; OLIVER, C. | 2022273932 | TYCO FIRE PRODUCTS LP |
| 2022261886 | BAXTER INTERNATIONAL INC.; BAXTER HEALTH-CARE SA | 2022274150 | INDUSTRIE DE NORA S.P.A. |
| 2022261980 | SMITH, G. | 2022276397 | RENOM ENERGY SERVICES LLP |
| 2022262006 | AMGEN INC. | 2022277515 | CYBIN IRL LIMITED |
| 2022262147 | COLLIBRA BELGIUM B.V. | 2022279223 | AMGEN INC. |
| 2022262335 | JUBILANT PRODEL LLC | 2022280937 | WISCONSIN ALUMNI RESEARCH FOUNDATION |
| 2022262421 | AMGEN INC. | 2022281584 | BYD COMPANY LIMITED |
| 2022262472 | SMC CORPORATION | 2022282427 | EXXONMOBIL CHEMICAL PATENTS INC. |
| 2022262654 | KAYOTHERA INC.; THE TRUSTEES OF PRINCETON UNIVERSITY | 2022282539 | SANBIO, INC. |
| 2022262659 | GILGAMESH PHARMACEUTICALS, INC. | 2022283413 | GUANGDONG RAYNOVENT BIOTECH CO., LTD. |
| 2022262662 | THE J. DAVID GLADSTONE INSTITUTES; VXBIOSCIENCES, INC. | 2022284140 | BYD COMPANY LIMITED |
| 2022262845 | YUHAN CORPORATION | 2022284348 | TYCO FIRE PRODUCTS LP |
| 2022263269 | THE BROAD INSTITUTE, INC.; THE BRIGHAM AND WOMEN'S HOSPITAL, INC. | 2022285627 | BYD COMPANY LIMITED |
| 2022263406 | AMGEN INC. | 2022285665 | AMGEN INC. |
| 2022264019 | MONSANTO TECHNOLOGY LLC | 2022285863 | ENGIE |
| 2022264096 | BYD COMPANY LIMITED | 2022288864 | AMGEN INC. |
| 2022264526 | BYD COMPANY LIMITED | 2022288926 | ENTHEOGENIX BIOSCIENCES, INC. |
| 2022264759 | PIPELINE MEDICAL TECHNOLOGIES, INC. | 2022289429 | KIRPICHNIKOV, A.; SEREGIN, Y.; GORDIEIEV, V. |
| 2022264766 | KINNOS INC. | 2022289469 | HALLIBURTON ENERGY SERVICES, INC. |
| 2022264813 | ILLUMINA CAMBRIDGE LIMITED | 2022289677 | CASALE SA |
| 2022265689 | KALIVIR IMMUNOTHERAPEUTICS, INC. | 2022292636 | CONMED CORPORATION |
| 2022265698 | BOLDER SURGICAL, LLC | 2022292843 | KNORR-BREMSE SYSTEME FÜR SCHIENENFAHRZEUGE GMBH |
| 2022266559 | CHEVRON PHILLIPS CHEMICAL COMPANY LP | 2022297544 | ATOSSA THERAPEUTICS, INC. |
| 2022266583 | MILLENNIUM PHARMACEUTICALS, INC. | 2022303792 | BYD COMPANY LIMITED |
| 2022266606 | VAXNEWMO LLC | 2022303881 | BYD COMPANY LIMITED |
| 2022266737 | EDWARDS LIFESCIENCES CORPORATION | 2022304754 | BYD COMPANY LIMITED |
| 2022266741 | NOAH MEDICAL CORPORATION | 2022307218 | RWE GENERATION NL B.V. |
| 2022266772 | LAWRENCE LIVERMORE NATIONAL SECURITY, LLC | 2022309902 | CHANG, H.; CHANG, Y. |
| 2022266850 | BIO-OPTICS AUSTRALIA PTY LTD | 2022315528 | F. HOFFMANN-LA ROCHE AG |
| 2022266937 | SHANGHAI HANSOH BIOMEDICAL CO., LTD.; JI-ANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD. | 2022318223 | WUNDERMIX GMBH |
| 2022267220 | ALKERMES, INC. | 2022320894 | WUNDERMIX GMBH |
| 2022267355 | ROOT APPLIED SCIENCES INC. | 2022323936 | RAYTHEON BBN TECHNOLOGIES, CORP. |
| 2022267395 | NEZ KHAN, L.L.C. | 2022340353 | LG ENERGY SOLUTION, LTD. |
| 2022267544 | BYD COMPANY LIMITED | 2022346609 | HALLIBURTON ENERGY SERVICES, INC. |
| 2022267591 | BYD COMPANY LIMITED | 2022348529 | HALLIBURTON ENERGY SERVICES, INC. |
| 2022267715 | WALDEMAR LINK GMBH & CO. KG | 2022354495 | RWE GENERATION NL B.V. |
| 2022267846 | AGRO BAG A/S | 2022377798 | TONGWEI SOLAR (MEISHAN) CO., LTD. |
| 2022268486 | TOPSOE A/S | 2022378702 | GRANT DEMARTINO INDUSTRIES LLC |
| 2022268530 | IFP ENERGIES NOUVELLES | 2022408195 | TOTAL COMBUSTION IP HOLDINGS, LLC |
| 2022268643 | TOPSOE A/S | 2022415721 | TONGWEI SOLAR (HEFEI) CO., LTD. |
| 2022268659 | VERSO VISION OY | 2022434642 | TENCENT AMERICA LLC |
| 2022268732 | ALCON INC. | 2023222907 | KOREA ZINC CO., LTD.; KEMCO |
| 2022268970 | KYOCERA SENCO INDUSTRIAL TOOLS, INC. | | |

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| 2022235271 | 2022243068 | 2022245592 | 2022230212 | 2022259031 | 2022272194 |
| 2022239499 | 2022254515 | 2022259044 | 2022231379 | 2022289677 | |
| 2022244355 | | | 2022240596 | | <u>B09B 5 /-</u> |
| 2022245592 | <u>A61N 1 /-</u> | <u>A61P 31 /-</u> | 2022259044 | <u>B01J 13 /-</u> | 2022272194 |
| 2022249076 | 2022230994 | 2022229597 | | 2022251927 | |
| 2022254101 | 2022239636 | 2022249392 | <u>A61Q 19 /-</u> | | <u>B23K 1 /-</u> |
| 2022256071 | 2022246163 | 2022250020 | 2022253464 | <u>B01J 19 /-</u> | 2022252952 |
| 2022260805 | 2022254630 | 2022251320 | | 2022258720 | |
| 2022266606 | 2022260253 | 202225486 | <u>A62C 35 /-</u> | 2022271689 | <u>B23K 101 /-</u> |
| 2022285665 | | 2022256732 | 2022284348 | | 2022252952 |
| 2022378702 | <u>A61P 1 /-</u> | 2022258552 | <u>A62C 37 /-</u> | <u>B01J 20 /-</u> | <u>B23K 103 /-</u> |
| | 2022228660 | 2022262662 | | 2022258771 | 2022252952 |
| <u>A61K 48 /-</u> | 2022230492 | 2022266606 | <u>A62C 37 /-</u> | | <u>B23K 103 /-</u> |
| 2022230492 | 2022233873 | 2022269883 | 2022273424 | <u>B01L 3 /-</u> | 2022252952 |
| 2022242921 | 2022242768 | <u>A61P 35 /-</u> | 2022273932 | | |
| 2022244355 | 2022259044 | 2021431485 | | <u>B01L 3 /-</u> | <u>B23K 3 /-</u> |
| 2022282539 | 2022262845 | 2021440841 | <u>A63B 21 /-</u> | 2022241077 | <u>B23K 3 /-</u> |
| | 2022283413 | 2022228660 | 2022246885 | | 2022252952 |
| <u>A61K 51 /-</u> | | 2022230212 | <u>A63B 24 /-</u> | <u>B03B 5 /-</u> | 2022252952 |
| 2022252419 | <u>A61P 11 /-</u> | 2022231352 | 2022246885 | 2022272194 | <u>B23K 7 /-</u> |
| 2022378702 | 2022230212 | 2022231379 | | | |
| | 2022231379 | 2022233285 | <u>A63B 24 /-</u> | <u>B03C 3 /-</u> | 2022408195 |
| <u>A61K 8 /-</u> | 2022262006 | 2022239499 | 2022246885 | | |
| 2022253464 | | 2022240650 | <u>A63B 71 /-</u> | 2022267355 | <u>B24B 55 /-</u> |
| | <u>A61P 13 /-</u> | 2022242086 | 2022246885 | | 2022233493 |
| <u>A61K 9 /-</u> | 2022228660 | 2022249146 | | <u>B04B 11 /-</u> | |
| 2021433515 | 2022233873 | 2022249177 | <u>A63F 13 /-</u> | 2022243946 | <u>B25C 1 /-</u> |
| 2022234307 | | 2022251320 | 2022232640 | | 2022268970 |
| 2022234780 | <u>A61P 17 /-</u> | 2022251985 | | <u>B04B 15 /-</u> | |
| 2022238423 | 2022230212 | 2022255387 | <u>A63F 9 /-</u> | 2022243946 | <u>B25C 5 /-</u> |
| 2022244355 | 2022231379 | 2022256514 | 2022232640 | | 2022268970 |
| 2022245592 | | 2022258552 | | <u>B04B 7 /-</u> | |
| 2022250020 | <u>A61P 21 /-</u> | 2022258832 | <u>A63G 31 /-</u> | 2022243946 | <u>B25F 5 /-</u> |
| 2022254101 | 2022254077 | 2022258968 | 2021432514 | | 2022233493 |
| 2022256071 | | 2022259323 | <u>B01D 11 /-</u> | <u>B04B 9 /-</u> | 2022268970 |
| 2022256732 | <u>A61P 25 /-</u> | 2022259683 | | 2022243946 | |
| 2022258552 | 2022231417 | 2022260125 | | | |
| 2022277515 | 2022238423 | 2022261029 | | | |
| 2022285665 | | 2022265689 | | | |
| | | 2022269883 | | | |
| | | 2022273509 | | | |

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

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| <u>B25J 9 /-</u> | | | | | | 2022259683 |
| 2022249818 | <u>B60N 2 /-</u> | <u>B65B 3 /-</u> | <u>C01B 32 /-</u> | <u>C07C 255 /-</u> | | 2022261029 |
| | 2021431522 | 2022279223 | 2022271689 | 2022262335 | | 2022262845 |
| | | | | | | 2022280937 |
| <u>B26D 1 /-</u> | <u>B60P 1 /-</u> | <u>B65B 69 /-</u> | <u>C01B 33 /-</u> | <u>C07C 7 /-</u> | <u>C07D 403 /-</u> | |
| 2022267846 | 2022239871 | 2022267846 | 2022254077 | 2022268643 | | 2022241754 |
| <u>B26F 1 /-</u> | <u>B60P 3 /-</u> | <u>B65D 33 /-</u> | <u>C01C 3 /-</u> | <u>C07D 209 /-</u> | | 2022261029 |
| 2022267846 | 2022239871 | 2022258250 | 2022258771 | 2022241754 | | 2022262845 |
| | | | | 2022277515 | <u>C07D 405 /-</u> | |
| <u>B29C 64 /-</u> | <u>B60W 10 /-</u> | <u>B65D 47 /-</u> | <u>C01D 15 /-</u> | | | 2022228660 |
| 2022266772 | 2021432630 | 2022228571 | 2023222907 | <u>C07D 211 /-</u> | | 2022241754 |
| | | | | | | 2022259044 |
| <u>B32B 27 /-</u> | <u>B60W 50 /-</u> | <u>B65D 71 /-</u> | <u>C04B 11 /-</u> | 2022259611 | | |
| 2022243069 | 2021432630 | 2022252308 | 2022272194 | 2022262335 | <u>C07D 409 /-</u> | |
| | | | | 2022280937 | | |
| <u>B32B 5 /-</u> | <u>B60W 60 /-</u> | <u>B65D 75 /-</u> | <u>C04B 111 /-</u> | <u>C07D 213 /-</u> | | 2022241754 |
| 2022249275 | 2021432630 | 2022228571 | 2021447461 | 2022258191 | | 2022258191 |
| | | | | 2022262654 | | 2022262845 |
| <u>B32B 9 /-</u> | <u>B61L 15 /-</u> | <u>B65G 15 /-</u> | <u>C04B 14 /-</u> | <u>C07D 217 /-</u> | | |
| 2022243069 | 2022292843 | 2022253627 | 2022228582 | | | 2022233873 |
| | | | 2022273841 | 2022240650 | | 2022241754 |
| <u>B33Y 10 /-</u> | <u>B61L 25 /-</u> | <u>B65G 39 /-</u> | | <u>C07D 231 /-</u> | | 2022260526 |
| 2022266772 | 2022292843 | 2022253627 | <u>C04B 20 /-</u> | | <u>C07D 417 /-</u> | |
| | | | | 2022233873 | | |
| <u>B33Y 30 /-</u> | <u>B61L 27 /-</u> | <u>B65G 43 /-</u> | 2022273841 | 2022241754 | | 2022233873 |
| 2022266772 | 2022292843 | 2022253627 | <u>C04B 28 /-</u> | <u>C07D 233 /-</u> | | 2022241754 |
| | | | | | | |
| <u>B33Y 70 /-</u> | <u>B62D 21 /-</u> | <u>B65G 53 /-</u> | 2021431659 | 2022233873 | | |
| 2022266772 | 2022303792 | 2022269324 | 2021447461 | <u>C07D 237 /-</u> | | 2022262659 |
| | | | | | | |
| <u>B41M 3 /-</u> | <u>B62D 25 /-</u> | <u>B65G 7 /-</u> | 2022251034 | 2022230212 | <u>C07D 471 /-</u> | |
| 2022232530 | 2022303792 | 2022258420 | | 2022231379 | | 2021440841 |
| | | | | | | 2022230212 |
| <u>B42D 25 /-</u> | <u>B62D 3 /-</u> | <u>B66B 15 /-</u> | <u>C05F 17 /-</u> | <u>C07D 241 /-</u> | | 2022231379 |
| 2022232530 | 2022281584 | 2021441304 | 2022236445 | 2022266937 | | 2022240596 |
| | | | 2022237852 | | | 2022241754 |
| <u>B60B 17 /-</u> | <u>B62D 53 /-</u> | <u>B66B 19 /-</u> | <u>C05F 3 /-</u> | <u>C07D 249 /-</u> | | 2022250255 |
| 2022257750 | 2022239871 | 2021441304 | 2022236445 | 2022255486 | | 2022251588 |
| | | | 2022237852 | 2022233873 | | 2022255486 |
| <u>B60B 21 /-</u> | <u>B62D 55 /-</u> | <u>B66B 5 /-</u> | <u>C07B 59 /-</u> | 2022233984 | | 2022256514 |
| 2021436837 | 2022261700 | 2021441304 | | 202223984 | | 2022258453 |
| | | | | | | 2022258968 |
| <u>B60B 7 /-</u> | <u>B63G 8 /-</u> | <u>B66C 17 /-</u> | <u>C07C 15 /-</u> | <u>C07D 257 /-</u> | | 2022259683 |
| 2021436837 | 2022323936 | 2022251932 | 2022277515 | 2022262845 | | 2022260526 |
| | | | | | | 2022261029 |
| <u>B60H 1 /-</u> | <u>B64C 29 /-</u> | <u>B67D 3 /-</u> | <u>C07C 201 /-</u> | <u>C07D 263 /-</u> | | 2022269883 |
| 2022284140 | 2022255248 | 2022228571 | 2022262654 | 2022233873 | | |
| 2022285627 | | | | | | 2021440841 |
| | | | | | | 2022263269 |
| <u>B60K 17 /-</u> | <u>B64C 39 /-</u> | <u>B82Y 40 /-</u> | <u>C07C 205 /-</u> | <u>C07D 277 /-</u> | | |
| 2022281584 | 2022261702 | 2022230334 | 2022232919 | 2022233873 | | 2021440841 |
| | | | | | | 2022230212 |
| <u>B60L 53 /-</u> | <u>B65B 17 /-</u> | <u>B82Y 5 /-</u> | <u>C07C 211 /-</u> | <u>C07D 333 /-</u> | | 2022231379 |
| 2022254979 | 2022252308 | 2022378702 | 2022288926 | 2022233873 | | 2022250255 |
| | | | | | | 2022250255 |
| <u>B60L 7 /-</u> | <u>B65B 27 /-</u> | <u>C01B 23 /-</u> | <u>C07C 217 /-</u> | <u>C07D 401 /-</u> | | 2022255047 |
| 2022269658 | 2022258250 | 2022253241 | 2022262335 | 2022240650 | | 2022255486 |
| | | | | 2022241754 | | 2022258968 |
| | | | | 2022253897 | | 2022259683 |
| | | | | 2022258191 | | 2022269883 |
| | | | | 2022259611 | | |

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|---------------------------|--|--------------------------|--|--------------------------|--|--------------------------|--|--------------------------|--|
| <u>C07D 491 /-</u> | 2022246675 2022247162 2022249146 2022258968 2022260526 2022269883 | <u>C10B 43 /-</u> | 2022247875 | <u>C10L 5 /-</u> | 2022247875 | <u>C12N 9 /-</u> | 2022242086 2022244100 2022245592 2022270929 | <u>C25B 9 /-</u> | 2022249449 2022258720 2022268486 |
| <u>C07D 495 /-</u> | 202225486 2022258968 | <u>C10B 47 /-</u> | 2022354495 | <u>C10L 9 /-</u> | 2022354495 | <u>C12Q 1 /-</u> | 2022232596 2022236390 2022241077 2022249392 2022252299 2022264813 2022297544 | <u>C25C 3 /-</u> | 2022249818 2022250882 2022251932 |
| <u>C07D 498 /-</u> | 2022240650 2022267220 2022269883 | <u>C10B 53 /-</u> | 2022247875 2022270874 2022354495 | <u>C11D 1 /-</u> | 2022246645 2022258722 | <u>C11D 17 /-</u> | 2022246645 | <u>C25C 7 /-</u> | 2022251932 |
| <u>C07D 513 /-</u> | 2022258968 | <u>C10B 57 /-</u> | 2022354495 | <u>C11D 3 /-</u> | 2022246645 2022258722 | <u>C11D 3 /-</u> | 2022246645 2022258722 | <u>D04B 1 /-</u> | 2022253689 |
| <u>C07H 1 /-</u> | 2022231107 | <u>C10G 1 /-</u> | 2022268530 2022270874 | <u>C12C 5 /-</u> | 2022235151 | <u>C21C 7 /-</u> | 2022241770 | <u>D06M 13 /-</u> | 2022255335 |
| <u>C07H 11 /-</u> | 2022231107 | <u>C10G 21 /-</u> | 2022268643 | <u>C12C 3 /-</u> | 2022235151 | <u>C21D 8 /-</u> | 2022257750 | <u>D06M 15 /-</u> | 2022255335 |
| <u>C07H 15 /-</u> | 2022231107 | <u>C10G 3 /-</u> | 2022260116 2022268643 | <u>C12G 3 /-</u> | 2022235151 | <u>C21D 9 /-</u> | 2022257750 | <u>E01B 3 /-</u> | 2021431659 |
| <u>C07H 5 /-</u> | 2022231107 | <u>C10G 45 /-</u> | 2022260116 | <u>C12M 1 /-</u> | 2022229774 2022233291 2022267355 | <u>C22B 1 /-</u> | 2021439033 | <u>E01C 7 /-</u> | 2022228582 |
| <u>C07J 17 /-</u> | 2022231107 | <u>C10G 49 /-</u> | 2022270874 | <u>C12N 13 /-</u> | 2022229774 | <u>C22B 11 /-</u> | 2022256243 | <u>E01C 9 /-</u> | 2021431659 |
| <u>C07K 1 /-</u> | 2022254077 | <u>C10G 5 /-</u> | 2022268643 | <u>C12N 15 /-</u> | 2022230492 2022231961 2022232951 2022242086 2022242921 2022245592 2022249177 2022253064 2022259323 2022259522 2022262662 2022264019 2022265689 2022270937 | <u>C22B 3 /-</u> | 2022256243 | <u>E02D 17 /-</u> | 2021447930 |
| <u>C07K 14 /-</u> | 2022229597 2022230439 2022230492 2022231961 2022232951 2022238882 2022249076 2022249177 2022258832 2022259522 2022260542 2022260805 2022262662 2022265689 2022283413 | <u>C10G 50 /-</u> | 2022260116 | <u>C12N 5 /-</u> | 2021445820 2022230492 2022231961 2022232596 2022233291 2022254859 2022260542 2022282539 | <u>C22C 38 /-</u> | 2022257750 | <u>E02F 9 /-</u> | 2022256018 |
| <u>C07K 16 /-</u> | 2022230011 2022232951 2022233285 2022237648 2022238882 2022239499 2022244125 2022245592 | <u>C10G 65 /-</u> | 2022268530 2022270874 | <u>C23C 14 /-</u> | 2022254712 | <u>C23C 26 /-</u> | 2022247951 | <u>E03B 7 /-</u> | 2022256238 |
| | | <u>C10G 67 /-</u> | 2022260116 | <u>C23G 5 /-</u> | 2022246645 | <u>C25B 1 /-</u> | 2022249449 2022268486 2022274150 | <u>E03C 1 /-</u> | 2022256238 |
| | | <u>C10G 69 /-</u> | 2022260116 | <u>C25B 11 /-</u> | 2022258720 2022274150 | <u>C25B 11 /-</u> | 2022258720 2022274150 | <u>E04G 21 /-</u> | 2022258250 |
| | | <u>C10G 7 /-</u> | 2022260116 | <u>C25B 15 /-</u> | 2022249449 2022268486 | <u>C25B 15 /-</u> | 2022249449 2022268486 | <u>E04G 5 /-</u> | 2022261980 |
| | | <u>C10G 9 /-</u> | 2022268530 2022270874 | | | | | <u>E04H 17 /-</u> | 2022267395 |
| | | <u>C10K 21 /-</u> | 2022255309 | | | | | <u>E05B 15 /-</u> | 2022255705 |
| | | <u>C10K 5 /-</u> | 2022255716 | | | | | <u>E05B 63 /-</u> | 2022255705 |
| | | <u>C10K 8 /-</u> | 2022266559 | | | | | | |

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| E05B 73 /- | 2022267591 | F16C 35 /- | F24F 11 /- | F28D 7 /- | G01R 31 /- |
| 2022255705 | F02D 19 /- | 2022242562 | 2022249299 | 2022309902 | 2022230994 2022276397 |
| E06B 3 /- | 2022249972 | F16C 39 /- | F24F 13 /- | G01B 11 /- | G01S 19 /- |
| 2022235769 | F02D 41 /- | 2022242562 2022254050 | 2022284140 | 2022266850 | 2022252169 2022256018 |
| E06B 9 /- | 2022249972 2022269770 | F16C 41 /- | F24H 1 /- | G01B 7 /- | G01S 5 /- |
| 2022235769 2022271211 | F03D 1 /- | 2022242562 | 2022243919 | 2022256948 | 2022256018 |
| E21B 23 /- | 2021437691 | F16D 121 /- | F24H 15 /- | G01L 1 /- | G01V 3 /- |
| 2022252168 2022346609 | F03D 17 /- | 2022304754 | 2022249299 | 2022234833 2022256948 | 2021443970 |
| E21B 33 /- | 2022276397 | F16D 125 /- | F24S 20 /- | G01L 5 /- | G01V 9 /- |
| 2021455353 2022289469 2022348529 | F03D 7 /- | 2022304754 | 2022233982 | 2022256948 | 2022247336 |
| E21B 34 /- | 2021437691 | F16D 55 /- | F24S 25 /- | G01L 9 /- | G05B 23 /- |
| 2022252168 2022254115 2022289469 2022346609 | F03G 7 /- | 2022304754 | 2022233982 | 2022234833 | 2022237623 2022248265 |
| E21B 4 /- | 2022269658 | F16D 65 /- | F24S 30 /- | G01M 1 /- | G05D 1 /- |
| 2022252168 2022254115 2022289469 2022346609 | F04B 17 /- | 2022304754 | 2022233982 | 2021436837 | 2021432630 |
| E21B 4 /- | 2022254050 | F16K 27 /- | F24S 50 /- | G01M 13 /- | G05D 23 /- |
| 2021454779 | F04B 35 /- | 2022256238 | 2022233982 | 2022261700 | 2022259887 2022262472 |
| E21B 43 /- | 2022254050 | F16L 21 /- | F25B 1 /- | G01M 17 /- | G06E 1 /- |
| 2021445202 2022249375 2022289469 2022348529 | F04D 13 /- | 2022269324 | 2022259887 2022262472 | 2022261700 | 2022228483 |
| E21B 47 /- | 2022254050 | F16L 29 /- | F25B 41 /- | G01M 3 /- | G06F 11 /- |
| 2021443970 2021455353 | F04D 29 /- | 2022256238 | 2022284140 2022285627 | 2022234947 | 2022252175 2022254648 |
| E21B 7 /- | 2022243068 2022254050 | F16L 55 /- | F25B 47 /- | G01M 5 /- | G06F 16 /- |
| 2021443970 2021454779 | F15B 11 /- | 2022242706 | 2022249299 | 2022234833 | 2021441258 2022246299 2022260655 2022262147 |
| E21D 11 /- | 2022259240 | F16L 9 /- | F25D 21 /- | G01N 1 /- | G06F 21 /- |
| 2021447930 | F15B 13 /- | 2022269324 | 2022249299 | 2022267355 | 2022246299 2022255862 2022258723 |
| E21F 15 /- | 2022259240 | F16N 25 /- | F25J 1 /- | G01N 15 /- | G06F 3 /- |
| 2021447461 | F15B 21 /- | 2022269193 2022269770 | 2022285863 | 2022249375 2022271689 | 2021441258 2022257980 2022258962 |
| E21F 7 /- | 2022245958 | F16N 29 /- | F26B 17 /- | G01N 21 /- | G06F 30 /- |
| 2021445202 | F16B 7 /- | 2022269193 2022269770 | 2022307218 | 2022266850 | 2022284348 |
| F01K 3 /- | F16B 37 /- | 2022269193 2022269770 | F26B 3 /- | G01N 29 /- | G06K 19 /- |
| 2022255716 | F16C 19 /- | F17C 13 /- | 2022307218 | 2021437097 2022234947 2022249375 | 2022254065 |
| F01P 5 /- | F16C 25 /- | F23D 14 /- | F27B 1 /- | G01N 33 /- | G06N 10 /- |
| 2022267591 | F16C 32 /- | 20222408195 | 2022273841 | 2021445820 2022231961 2022238882 2022241077 2022245358 2022251320 2022254629 2022266850 | 2022233478 |
| 2022267544 | 2022243068 | 2021458880 | 2022273841 | | |

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| <u>G06N 20 /-</u> | <u>G08B 21 /-</u> | <u>H01M 10 /-</u> | <u>H04B 1 /-</u> |
| 2022246299 | 2021431022 | 2022251034 | 2022249044 |
| 2022246663 | 2022268659 | | 2022254648 |
| 2022247336 | | <u>H01M 4 /-</u> | |
| 2022252175 | <u>G08B 25 /-</u> | 2022254524 | <u>H04B 7 /-</u> |
| | 2021431022 | 2022303881 | 2022255248 |
| <u>G06N 3 /-</u> | 2022229959 | | |
| 2022234947 | | <u>H01M 50 /-</u> | <u>H04L 12 /-</u> |
| 2022246663 | <u>G08B 5 /-</u> | 2022251034 | 2022340353 |
| | 2022229959 | 2022254524 | |
| <u>G06N 5 /-</u> | <u>G08C 25 /-</u> | <u>H01M 6 /-</u> | <u>H04L 67 /-</u> |
| 2022249064 | 2022276397 | 2022254524 | 2022340353 |
| | | | |
| <u>G06N 99 /-</u> | <u>G08G 1 /-</u> | <u>H01M 8 /-</u> | <u>H04L 9 /-</u> |
| 2022249064 | 2022255607 | 2022268486 | 2022242187 |
| | | 2022280937 | 2022260655 |
| <u>G06Q 10 /-</u> | <u>G09F 3 /-</u> | <u>H02G 15 /-</u> | 2022340353 |
| 2022237623 | 2022231854 | 2022255806 | <u>H04N 19 /-</u> |
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A61K 31/495 (2006.01)
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C07H 21/00 (2006.01)
C07K 7/08 (2006.01)
C07K 14/025 (2006.01)
C07K 16/00 (2006.01)
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H02K 1/27 (2006.01)
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H02K 3/00 (2006.01)
H02K 5/18 (2006.01)
H02K 5/20 (2006.01)
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A61B 17/00 (2006.01)
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B21D 39/20 (2006.01)
E21B 29/10 (2006.01)
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E21B 43/11 (2006.01)

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A61K 31/444 (2006.01)
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H04W 88/04 (2009.01)
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G01N 29/024 (2006.01)
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A01D 75/18 (2006.01)

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G01C 22/00 (2006.01)
G01L 5/00 (2006.01)
G05B 19/04 (2006.01)
G05D 1/00 (2006.01)
G06F 3/00 (2006.01)
G09G 3/00 (2006.01)
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C07K 7/00 (2006.01)
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G08B 17/12 (2006.01)
G01J 5/00 (2006.01)
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C07D 401/12 (2006.01)
A61K 31/4704 (2006.01)
A61K 31/4709 (2006.01)
A61P 35/00 (2006.01)
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A61P 3/00 (2006.01)

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H04W 68/00 (2009.01)
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C08L 71/00 (2006.01)
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C07D 211/58 (2006.01)
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(51) Int. Cl.
A61K 38/10 (2006.01)
A61P 1/00 (2006.01)
A61P 31/14 (2006.01)
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A24F 40/40 (2020.01)
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(21) 2020328306 (22) 22.07.2020
(54) Structure, and method for manufacturing same
(51) Int. Cl.
E04B 1/76 (2006.01)
F28D 15/02 (2006.01)
F28D 15/04 (2006.01)
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(71) Yodlee, Inc.
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G06F 15/163 (2006.01)
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Yosef, N. see Dana-Farber Cancer Institute, Inc.
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(71) Yuhan Corporation
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(51) Int. Cl.
C07D 401/04 (2006.01)
A61K 31/4196 (2006.01)
A61K 31/4439 (2006.01)
A61K 31/497 (2006.01)
A61P 1/16 (2006.01)
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C07D 249/16 (2006.01)
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(74) FPA Patent Attorneys Pty Ltd

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(74) Davies Collision Cave Pty Ltd

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(21) 2020332969 (22) 06.07.2020
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(51) Int. Cl.
C07K 16/28 (2006.01)
A61K 39/395 (2006.01)
A61P 35/00 (2006.01)
A61P 37/00 (2006.01)
C07K 16/46 (2006.01)
C07K 19/00 (2006.01)
C12N 15/13 (2006.01)
C12N 15/62 (2006.01)
G01N 33/68 (2006.01)
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(31) 201910777959.9 (32) 22.08.19 (33) CN
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(74) Phillips Ormonde Fitzpatrick

(71) ZHEJIANG JINKO SOLAR CO., LTD.; JINKO SOLAR CO., LTD.
(11) AU-B-2022201918
(21) 2022201918 (22) 21.03.2022
(54) PHOTOVOLTAIC MODULE
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H02S 30/00 (2014.01)**G01N 21/81** (2006.01)**G01N 27/12** (2006.01)**(43)** 14.04.2022**(44)** 19.10.2023**(62)** 2020277176**(72)** LI, Bairu; XU, Menglei; YANG, Jie;
ZHANG, Xinyu; JIN, Hao**(74)** AJ Pietras IP Limited**(71)** Zhejiang Yangshengtang Institute of
Natural Medication Co., Ltd.**(11)** AU-B-2020320370**(21)** 2020320370 **(22)** 21.01.2020**(54)** Fermented brich juice, production meth-
od therefor and use thereof in composi-
tion for external application to skin**(51)** Int. Cl.**C12P 1/02** (2006.01)**A61K 8/9789** (2017.01)**A61Q 19/00** (2006.01)**A61Q 19/02** (2006.01)**A61Q 19/08** (2006.01)**C12P 19/04** (2006.01)**C12R 1/645** (2006.01)**(87)** WO2021/017449**(31)** 201910689097.4 **(32)** 29.07.19 **(33)** CN**(43)** 04.02.2021**(44)** 19.10.2023**(72)** DUAN, Yingyi; WANG, Xinyue; HONG,
Tao**(74)** Davies Collison Cave Pty Ltd**(71)** Zodiac Pool Systems LLC**(11)** AU-B-2019261221**(21)** 2019261221 **(22)** 20.03.2019**(54)** Automatic pool cleaner with edge en-
gagement assembly**(51)** Int. Cl.**E04H 4/16** (2006.01)**(87)** WO2019/209429**(31)** 15/963,306 **(32)** 26.04.18 **(33)** US**(43)** 31.10.2019**(44)** 19.10.2023**(72)** DURVASULA, Kameshwar; HANAN,
Ethan**(74)** FB Rice Pty Ltd**(71)** Zoomlion Intelligent Access Machinery
Co., Ltd.**(11)** AU-B-2021347695**(21)** 2021347695 **(22)** 30.03.2021**(54)** Lithium battery system and overhead
working truck**(51)** Int. Cl.**H01M 10/615** (2014.01)**(87)** WO2022/062352**(31)** 202011034939.1 **(32)** 27.09.20 **(33)** CN
202011033069.6 27.09.20 CN**(43)** 31.03.2022**(44)** 19.10.2023**(72)** REN, Huili; ZHU, Hou; ZHONG, Yi;
DUAN, Jianhui; XIONG, Lu**(74)** WRAYS PTY LTD

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| 2016329064 | Warp Drive Bio, Inc. | 2018247249 | Golden Biotechnology Corporation |
| 2016349701 | The Board of Regents of The University of Texas System | 2018247938 | National University of Ireland, Galway |
| 2016352572 | HOOKIPA Biotech GmbH | 2018247939 | National University of Ireland, Galway |
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| 2017233725 | Defence Therapeutics Inc. | 2018260934 | Glenmark Specialty S.A. |
| 2017238054 | Dana-Farber Cancer Institute, Inc.; The Trustees of The University of Pennsylvania; The Regents of the University of California; Haining, W.; Sen, D.; Wherry, J.; Yosef, N.; Kaminski, J.; Pauken, K. | 2018262160 | Inauen, U. |
| 2017255938 | Forschungsverbund Berlin E.V.; Ludwig-Maximilians-Universität München | 2018265066 | Societe Des Produits Nestle S.A. |
| 2017259987 | SQZ Biotechnologies Company | 2018266375 | Burzynski, S. |
| 2017261687 | Hennepin Healthcare Research Institute | 2018267953 | Allnex Netherlands B.V. |
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| 2017306409 | Lone Gull Holdings, Ltd. | 2018288623 | Becton, Dickinson and Company |
| 2017327485 | Dupont Nutrition Biosciences ApS | 2018288670 | Sealed Air Corporation (US) |
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| 2017349490 | Frebra Holding AS | 2018292639 | Medos International Sàrl |
| 2017352590 | Genovie AB | 2018294520 | Mipsalus ApS |
| 2017352748 | Paradise Honey Oy | 2018297616 | Tokheim Uk Ltd |
| 2017356784 | Random Walk Imaging AB | 2018298649 | Nihon Bisoh Co., Ltd. |
| 2017384467 | Chiesi Farmaceutici S.p.A. | 2018302747 | ExxonMobil Research and Engineering Company |
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| 2017427594 | O&M Halyard International Unlimited Company | 2018309662 | Takeda Pharmaceutical Company Limited |
| 2017427595 | O&M Halyard International Unlimited Company | 2018313902 | The Dun & Bradstreet Corporation |
| 2017438213 | Razer (Asia-Pacific) Pte. Ltd. | 2018320846 | Edwards Lifesciences Corporation |
| 2018200033 | Vorwerk & Co. Interholding GmbH | 2018320874 | eSAT Global Inc. |
| 2018202417 | The Boeing Company | 2018322756 | Conrig Pharma ApS; Solural Pharma ApS |
| 2018203010 | Hunting Energy Services, Inc. | 2018323964 | Separation Technologies LLC |
| 2018204341 | LOCINOX | 2018330188 | The Board of Trustees of the Leland Stanford Junior University |
| 2018204454 | Otis Elevator Company | 2018331356 | Aladdin Manufacturing Corporation |
| 2018205061 | HYDE, L. | 2018333869 | Solmax International Inc. |
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| 2018244928 | Corcept Therapeutics, Inc. | 2018410836 | Halliburton Energy Services, Inc. |
| 2018246334 | Promat Australia Pty. Ltd; Etex Building Performance GmbH | 2019208788 | Wuhan Institute Of Virology, Chinese Academy Of Sciences; Fudan University |
| | | 2019210233 | Sony Corporation |
| | | 2019216339 | Crop Microclimate Management Inc. |
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| 2019265409 | Innovent Biologics (Suzhou) Co., Ltd. | 2020421363 | LG Electronics Inc. |
| 2019284106 | LEMMEN, J.A.J.; VAN DOREMAELE, M.G.M. | 2020437705 | Mitsubishi Electric Corporation |
| 2019288385 | BP Corporation North America Inc. | 2020445457 | Qingdao Haier Refrigerator Co., Ltd.; Haier Smart Home Co., Ltd. |
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| 2019331886 | FUJIFILM Irvine Scientific, Inc. | 2021202442 | Linch-pin Enterprises Pty Ltd |
| 2019338429 | Lenexa Medical Pty Ltd | 2021202615 | Cernoch, D.; Pondicherry, A.; Refsland, D.; Ives-Halperin, K. |
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| 2019379934 | Huawei Technologies Co., Ltd. | 2021204244 | Ionis Pharmaceuticals, Inc. |
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| 2019467369 | MGI Tech Co., Ltd. | 2021216452 | CompoSecure, LLC |
| 2019477545 | Telefonaktiebolaget LM Ericsson (publ) | 2021218081 | Advanced Brain Monitoring, Inc. |
| 2020200495 | Illinois Tool Works Inc. | 2021218203 | ESS-HELP, Inc. |
| 2020204037 | VERTEX PHARMACEUTICALS INCORPORATED | 2021218214 | Edwards Lifesciences Corporation |
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| 2020240041 | Boston Wine Devices, LLC | 2021232685 | RIHA Industries Pty Ltd |
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| 2020253392 | Stinger Advanced Manufacturing Corporation | 2021240143 | Alivio Therapeutics, Inc. |
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| 2020276386 | Duxion Motors Inc. | 2021245253 | Illumina, Inc. |
| 2020285305 | Howmet Aerospace Inc. | 2021250869 | CHINA UNIVERSITY OF PETROLEUM—BEIJING |
| 2020287599 | Eli Lilly and Company | 2021250895 | Magic Leap, Inc. |
| 2020310165 | Eli Lilly and Company | 2021254537 | St. Jude Children's Research Hospital, Inc.; Memorial Sloan Kettering Cancer Center |
| 2020310820 | LanzaTech, Inc. | 2021254648 | Milwaukee Electric Tool Corporation |
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| 2020320370 | Zhejiang Yangshengtang Institute of Natural Medication Co., Ltd. | 2021257909 | FISHER & PAYKEL HEALTHCARE LIMITED |
| 2020320468 | CHEN, X.; CHEN, Z. | 2021260192 | George TFE scp |
| 2020321977 | Eli Lilly and Company | 2021261935 | Orion Ophthalmology LLC |
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| 2020332969 | Zhejiang Doer Biologics Co., Ltd. | 2021269414 | Strata Safety Products, LLC |
| 2020334261 | JURA Elektroapparate AG | 2021272413 | Vivo Mobile Communication Co., Ltd. |
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| 2022202753 | KOKI HOLDINGS CO., LTD. |
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| 2022202985 | SCHLAGE LOCK COMPANY LLC |
| 2022203093 | Kairish Innotech Private Ltd. |
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| 2022228191 | Apple Inc. |
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| <u>A01K 47 /-</u> | <u>A23L 7 /-</u> | 2018292639 | 2021208343 | 2021240143 | <u>A61K 6 /-</u> |
| 2017352748 | 2018323964 | 2018320846 | 2021218214 | 2021254537 | 2017213791 |
| <u>A01K 5 /-</u> | <u>A24F 40 /-</u> | 2019298227 | 2021282525 | 2021261935 | <u>A61K 51 /-</u> |
| 2018279599 | 2020273529 | 2021212148 | 2022204159 | 2021289350 | 2017233725 |
| <u>A01K 59 /-</u> | <u>A24F 47 /-</u> | 2021232216 | 2022204913 | 2021390614 | <u>A61K 6 /-</u> |
| 2017352748 | 2020273529 | 2021286343 | <u>A61F 5 /-</u> | 2022202386 | 2019448021 |
| <u>A01N 35 /-</u> | <u>A41D 1 /-</u> | <u>A61B 18 /-</u> | 2021208343 | 2022203481 | <u>A61K 8 /-</u> |
| 2021232738 | 2020362134 | 2018247938 | 2021282525 | 2022203808 | 2017266787 |
| <u>A01N 37 /-</u> | <u>A41D 13 /-</u> | <u>A61B 3 /-</u> | <u>A61F 6 /-</u> | 2022206787 | 2020320370 |
| 2019216339 | 2017427593 | 2018225285 | 2018281013 | 2022336160 | 2020371533 |
| <u>A01P 7 /-</u> | <u>A41D 19 /-</u> | <u>A61B 34 /-</u> | 2021282525 | 2023201473 | 2021221920 |
| 2021232738 | 2018281013 | <u>A61B 42 /-</u> | <u>A61F 9 /-</u> | <u>A61K 35 /-</u> | 2022202386 |
| <u>A23B 4 /-</u> | 2021260192 | 2018281013 | 2022204913 | 2016349701 | <u>A61K 9 /-</u> |
| 2020316107 | <u>A41D 31 /-</u> | <u>A61B 5 /-</u> | <u>A61G 1 /-</u> | 2017259987 | 2018238684 |
| <u>A23J 1 /-</u> | 2021260192 | 2017356784 | <u>A61G 5 /-</u> | 2017339344 | 2018322756 |
| 2018323964 | <u>A46B 13 /-</u> | 2018204454 | 2018390976 | 2017384467 | 2020204037 |
| <u>A23K 10 /-</u> | 2020421363 | 2018227095 | <u>A61H 1 /-</u> | 2019430124 | 2021240143 |
| 2018323964 | <u>A47G 25 /-</u> | 2019338429 | <u>A61J 1 /-</u> | <u>A61K 36 /-</u> | <u>A61L 2 /-</u> |
| 2021204342 | 2018205061 | 2020244586 | 2022203093 | 2016371903 | 2018219066 |
| <u>A23K 50 /-</u> | <u>A47J 27 /-</u> | 2020310165 | <u>A61K 31 /-</u> | 2019430124 | 2018322756 |
| 2021204342 | 2018200033 | 2021218081 | 2017349490 | 2021204342 | 2020204037 |
| <u>A23L 11 /-</u> | <u>A47J 31 /-</u> | 2021276226 | <u>A61K 38 /-</u> | <u>A61K 37 /-</u> | 2021240143 |
| 2018323964 | 2022263572 | 2022204795 | 2016329064 | 2016385177 | <u>A61L 24 /-</u> |
| | <u>A61B 50 /-</u> | 2022263572 | 2016329064 | 2017261687 | 2018219066 |
| | 2022203093 | <u>A61B 6 /-</u> | 2016385177 | 2020383176 | <u>A61L 27 /-</u> |
| | <u>A61B 6 /-</u> | 2022203093 | 2017261687 | 2021204244 | <u>A61L 27 /-</u> |
| | 2022203093 | <u>A61B 8 /-</u> | 2018227489 | <u>A61K 39 /-</u> | 2018256385 |
| | <u>A61B 8 /-</u> | 2022263572 | 2019265409 | 2016352572 | 2021221920 |
| | 2022263572 | <u>A61B 8 /-</u> | 2020217427 | 2017208819 | 2022204913 |
| | | 2022263572 | 2020227545 | 2017215345 | <u>A61M 15 /-</u> |
| | | | 2020332969 | 2017259987 | 2018260934 |
| | | | 2021204244 | 2017261687 | <u>A61M 16 /-</u> |
| | | | 2022336160 | 2018227489 | 2018251534 |
| | | | | 2019265409 | 2021257909 |
| | | | | 2020217427 | 2021273596 |
| | | | | 2020227545 | 2021282450 |
| | | | | 2020332969 | <u>A61M 37 /-</u> |
| | | | | 2021204244 | 2021203583 |
| | | | | 2022336160 | |
| | | | | <u>A61K 45 /-</u> | |
| | | | | 2017273726 | |
| | | | | 2017384467 | |
| | | | | 2018244928 | |
| | | | | 2018247249 | |
| | | | | 2018253371 | |
| | | | | 2018260934 | |
| | | | | 2018265066 | |
| | | | | 2018266375 | |
| | | | | 2018244928 | |

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|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <u>A61M 39 /-</u> | <u>A61P 37 /-</u> | 2018302747 | <u>B08B 15 /-</u> | <u>B32B 27 /-</u> | <u>B63B 21 /-</u> |
| 2018288623 | 2016385177 | <u>B01D 53 /-</u> | 2022201521 | 2018281013 | 2022218600 |
| <u>A61M 5 /-</u> | 2019245288 | 2018240079 | <u>B08B 5 /-</u> | 2018333869 | <u>B63B 35 /-</u> |
| 2018288623 | 2020227545 | 2018284198 | 2021266274 | 2018390781 | 2021202442 |
| 2022240874 | 202202386 | 2018302747 | | 2021223438 | 2022218600 |
| <u>A61M 60 /-</u> | <u>A61P 43 /-</u> | <u>B01D 61 /-</u> | <u>B21D 11 /-</u> | <u>B32B 3 /-</u> | <u>B63B 77 /-</u> |
| 2021282525 | 2019347406 | 2019331886 | 2018374714 | 2018333869 | 2021202442 |
| <u>A61N 1 /-</u> | <u>A61P 5 /-</u> | 2020420325 | <u>B21D 39 /-</u> | <u>B32B 38 /-</u> | <u>B64C 1 /-</u> |
| 2019405957 | 2019265409 | <u>B01D 63 /-</u> | 2020371479 | 2018333869 | 2018202417 |
| | 2021390614 | 2019331886 | <u>B22F 3 /-</u> | <u>B32B 5 /-</u> | <u>B64C 15 /-</u> |
| <u>A61N 5 /-</u> | <u>A61P 7 /-</u> | <u>B01F 23 /-</u> | 2020253392 | 2018390781 | 2021203495 |
| 2019405957 | 2021226514 | 2018309662 | <u>B22F 5 /-</u> | <u>B33Y 30 /-</u> | <u>B64D 27 /-</u> |
| <u>A61N 7 /-</u> | 2022203481 | <u>B01F 25 /-</u> | 2020253392 | 2021377710 | 2020276386 |
| 2018209360 | <u>A61P 9 /-</u> | 2018309662 | <u>B22F 7 /-</u> | <u>B33Y 70 /-</u> | 2021203495 |
| <u>A61P 1 /-</u> | 2018253371 | <u>B01F 35 /-</u> | 2021243424 | 2020457381 | <u>B64D 29 /-</u> |
| 2019208788 | 2022203481 | 2018309662 | <u>B23B 47 /-</u> | <u>B60B 11 /-</u> | 2021203495 |
| 2019237342 | <u>A61Q 19 /-</u> | <u>B01J 13 /-</u> | 2018221887 | 2020285305 | <u>B64D 33 /-</u> |
| <u>A61P 13 /-</u> | 2020320370 | 2021223155 | <u>B23K 1 /-</u> | <u>B60B 7 /-</u> | 2020276386 |
| 2022203481 | 2021221920 | <u>B01J 19 /-</u> | 2020323276 | 2020285305 | <u>B65B 25 /-</u> |
| <u>A61P 25 /-</u> | <u>A61Q 5 /-</u> | 2018309662 | <u>B25B 1 /-</u> | <u>B60C 1 /-</u> | 2017427593 |
| 2019347406 | 2017266787 | 2019293043 | 2018221887 | 2018377346 | 2017427594 |
| 2019384283 | 2020371533 | <u>B01J 20 /-</u> | <u>B25B 5 /-</u> | <u>B60D 1 /-</u> | 2017427595 |
| 2022203481 | <u>A62B 35 /-</u> | 2018294520 | 2018221887 | 2021232685 | <u>B65B 35 /-</u> |
| 2022203808 | 2023206224 | 2018302747 | <u>B25F 5 /-</u> | <u>B60P 3 /-</u> | 2017427594 |
| 2023201473 | <u>A62C 2 /-</u> | 2018309662 | 2022202753 | 2022241583 | 2017427595 |
| <u>A61P 29 /-</u> | 2018246334 | <u>B01J 4 /-</u> | <u>B25J 13 /-</u> | <u>B60Q 1 /-</u> | <u>B65B 63 /-</u> |
| 2018371177 | <u>A63B 21 /-</u> | 2018369015 | 2021413870 | 2021218203 | 2017427593 |
| 2019237342 | 2017349490 | <u>B01J 8 /-</u> | <u>B25J 3 /-</u> | <u>B60R 21 /-</u> | 2017427594 |
| <u>A61P 3 /-</u> | <u>A63B 23 /-</u> | 2018369015 | 2021413870 | 2022201409 | 2017427595 |
| 2019265409 | 2017349490 | <u>B01L 3 /-</u> | <u>B25J 9 /-</u> | <u>B60R 3 /-</u> | <u>B65D 25 /-</u> |
| 2020287599 | <u>A63B 71 /-</u> | 2021206903 | 2017427595 | 2022241583 | 2022203093 |
| 2022203481 | 2017349490 | <u>B02C 13 /-</u> | 2021413870 | <u>B61L 1 /-</u> | <u>B65D 75 /-</u> |
| <u>A61P 31 /-</u> | <u>B01D 19 /-</u> | 2019218993 | <u>B25J 9 /-</u> | 2022218511 | 2018219066 |
| 2016385177 | 2019331886 | <u>B02C 2 /-</u> | <u>B29B 9 /-</u> | <u>B62B 7 /-</u> | <u>B65D 81 /-</u> |
| 2017215345 | 2020420325 | 2019218993 | 2018309662 | 2020347479 | 2018288670 |
| 2019208788 | 2020420328 | <u>B02C 21 /-</u> | <u>B29C 65 /-</u> | <u>B62B 9 /-</u> | 2020240041 |
| 2019384283 | <u>B01D 3 /-</u> | 2019218993 | 2018205064 | 2020347479 | 2022203093 |
| 2020227545 | 2018335261 | <u>B03C 7 /-</u> | <u>B31B 70 /-</u> | <u>B62K 5 /-</u> | <u>B65G 1 /-</u> |
| 2020383176 | 2018341977 | 2018323964 | 2018288670 | 2022201409 | 2018232402 |
| <u>A61P 35 /-</u> | <u>B01D 36 /-</u> | <u>B03D 1 /-</u> | <u>B31F 5 /-</u> | | 2018360880 |
| 2018227489 | 2019331886 | 2019218993 | 2018288670 | | |
| 2018244928 | <u>B01D 51 /-</u> | | | | |
| 2018330188 | 2018335261 | | | | |
| 2019347406 | 2018341977 | | | | |
| 2020217301 | | | | | |
| 2020332969 | | | | | |
| 2020383176 | | | | | |
| 2021215141 | | | | | |
| 2021226514 | | | | | |
| 2021289350 | | | | | |

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|--|--|--|---------------------------|--|--|
| <u>B65G 65 /-</u> | <u>C07C 253 /-</u> | 2017215201 2017233725 2018282868 2021204244 | 2018377346 | 2018341977 | <u>C12P 19 /-</u> |
| 2018233055 | 2021363237 | | <u>C08L 25 /-</u> | <u>C10L 3 /-</u> | 2020320370 2021206903 |
| <u>B66B 13 /-</u> | <u>C07C 255 /-</u> | <u>C07K 1 /-</u> | 2018281013 | 2018240079 | <u>C12P 21 /-</u> |
| 2022200665 | 2018369015 2021363237 | 2017255938 | <u>C08L 5 /-</u> | <u>C11B 9 /-</u> | 2017255938 2018385757 |
| <u>B66F 11 /-</u> | <u>C07C 49 /-</u> | <u>C07K 14 /-</u> | 2021289350 | 2021204342 | <u>C12P 41 /-</u> |
| 2018298649 | 2018247249 | 2016385177 2017215345 2017233725 2017352590 2018227489 2020217427 2020227545 2020321977 2020383176 | <u>C08L 53 /-</u> | <u>C12C 11 /-</u> | <u>C12P 41 /-</u> |
| <u>B66F 9 /-</u> | <u>C07C 5 /-</u> | | 2018281013 | 2020340263 | 2018340299 |
| 2018298649 2018374869 2021232685 2022203374 | 2018335261 | | <u>C08L 7 /-</u> | <u>C12G 3 /-</u> | <u>C12P 7 /-</u> |
| <u>B67D 1 /-</u> | <u>C07C 7 /-</u> | | 2018377346 | 2018249556 2020340263 | 2018213056 2018340299 2020310820 2021244991 |
| 2020240041 | 2018240079 2018335261 | <u>C07K 16 /-</u> | <u>C08L 71 /-</u> | <u>C12H 1 /-</u> | |
| <u>B67D 7 /-</u> | <u>C07D 211 /-</u> | | 2018335207 | 2020240041 2020340263 | <u>C12Q 1 /-</u> |
| 2018297616 | 2021254537 | 2017208819 2017233725 2017261687 2017272875 2018227489 2020217427 2020321977 2020332969 2021201506 | <u>C08L 75 /-</u> | | <u>C12M 1 /-</u> |
| <u>B81B 3 /-</u> | <u>C07D 249 /-</u> | | 2020384256 | 2017259987 2019331886 2021244991 2021277713 | 2016371903 2017271579 2017273726 2017278350 2020364225 2021206903 2021277713 |
| 2021245253 | 2019237342 | | 2018335207 | | <u>C12R 1 /-</u> |
| <u>C01B 6 /-</u> | <u>C07D 271 /-</u> | | <u>C08L 9 /-</u> | <u>C12M 3 /-</u> | 2017327485 2018213056 2020320370 |
| 2019228842 | 2021204220 | <u>C07K 19 /-</u> | 2018377346 | 2017259987 2021277713 | |
| <u>C01F 5 /-</u> | <u>C07D 401 /-</u> | | <u>C09D 163 /-</u> | <u>C12N 1 /-</u> | |
| 2020420155 2020420325 2020420328 | 2019237342 2020287599 2021215141 2021226514 2021254537 2021261935 2023201473 | 2016385177 2017233725 2020227545 2020332969 | 2018267953 | 2018213056 2020310820 2021244991 | <u>C22B 26 /-</u> |
| <u>C02F 1 /-</u> | <u>C07D 403 /-</u> | <u>C07K 7 /-</u> | 2018267953 | 2021244991 | 2020420155 |
| 2020420325 2020420328 | 2019237342 | 2017233725 2017272875 2018385757 | <u>C09D 171 /-</u> | <u>C12N 15 /-</u> | <u>C22B 3 /-</u> |
| <u>C03C 17 /-</u> | <u>C07D 405 /-</u> | <u>C08B 30 /-</u> | 2018335207 | 2016371903 2016385177 2017215345 2017233725 2017238054 2017259987 2017271579 2017352590 2020227545 2020332969 2022336160 2023204605 | 2020420155 |
| 2018395244 | 2019237342 | 2018323964 | <u>C09D 175 /-</u> | 2016371903 2016385177 2017215345 2017233725 2017238054 2017259987 2017271579 2017352590 2020227545 2020332969 2022336160 2023204605 | <u>C22C 27 /-</u> |
| <u>C03C 3 /-</u> | 2021226514 2021261935 2021390614 | <u>C08B 37 /-</u> | 2020384256 | 2016371903 2016385177 2017215345 2017233725 2017238054 2017259987 2017271579 2017352590 2020227545 2020332969 2022336160 2023204605 | 2021243424 |
| 2019448021 | | 2018323964 2021221920 2021289350 | <u>C09D 183 /-</u> | | <u>C25C 3 /-</u> |
| <u>C03C 4 /-</u> | <u>C07D 409 /-</u> | | 2018335207 | <u>C09J 171 /-</u> | 2020420155 2020420325 |
| 2019448021 | 2021261935 | <u>C08G 18 /-</u> | 2018335207 | 2018335207 | <u>C40B 20 /-</u> |
| <u>C04B 111 /-</u> | <u>C07D 413 /-</u> | | <u>C09J 183 /-</u> | <u>C12N 5 /-</u> | 2017271579 |
| 2020457381 | 2019245288 | 2020384256 | 2018335207 | 2017259987 2017339344 2017352590 2021201200 | <u>C40B 40 /-</u> |
| <u>C04B 28 /-</u> | <u>C07D 471 /-</u> | <u>C08G 77 /-</u> | <u>C10B 19 /-</u> | 2017259987 2017339344 2017352590 2021201200 | 2017271579 |
| 2020457381 | 2018330188 2021215141 2021226514 2022203808 | 2018335207 | 2019293043 | | <u>D03D 13 /-</u> |
| <u>C07C 17 /-</u> | <u>C07D 475 /-</u> | <u>C08J 3 /-</u> | <u>C10G 31 /-</u> | <u>C12N 9 /-</u> | 2022268312 |
| 2018335261 | 2022203481 | 2018281013 | 2021250869 | 2016329064 2017238054 2017255938 2023204605 | <u>D03D 15 /-</u> |
| <u>C07C 233 /-</u> | <u>C07H 21 /-</u> | <u>C08K 3 /-</u> | <u>C10G 35 /-</u> | <u>C12P 1 /-</u> | 2022268312 |
| 2019384283 2021363237 2022206787 | 2022203481 | 2018377346 | 2018335261 | 2018213056 2020320370 | <u>D06M 11 /-</u> |
| | | <u>C08K 5 /-</u> | <u>C10G 7 /-</u> | | 2018233574 |
| | | 2018335207 | | | |

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|-------------------------|--------------------------|-------------------------|--------------------------|--------------------------|--|
| <u>D06N 3/-</u> | <u>E05B 17/-</u> | <u>F03B 17/-</u> | <u>F16L 5/-</u> | 2020445457 2021286426 | <u>G01L 1/-</u> |
| 2018390781 | 2022202985 | 2022218600 | 2018246334 | | 2019338429 |
| <u>D06N 7/-</u> | <u>E05B 41/-</u> | <u>F03D 13/-</u> | <u>F16L 57/-</u> | <u>F25D 17/-</u> | <u>G01L 5/-</u> |
| 2018331356 | 2023222830 | 2021202442 | 2018333869 | 2020445457 2021286426 | 2022202203 |
| <u>E01C 11/-</u> | <u>E05B 47/-</u> | <u>F03G 7/-</u> | <u>F16L 58/-</u> | <u>F25D 23/-</u> | <u>G01N 1/-</u> |
| 2018333869 | 2018204341 | 2022218600 | 2018333869 | 2021286426 | 2020412222 |
| <u>E01D 21/-</u> | <u>E05B 63/-</u> | <u>F16B 23/-</u> | <u>F16L 9/-</u> | <u>F28D 15/-</u> | <u>G01N 15/-</u> |
| 2018298649 | 2023222830 | 2018213958 | 2018203010 | 2020328306 | 2021250869 |
| <u>E01F 15/-</u> | <u>E05B 65/-</u> | <u>F16B 5/-</u> | <u>F17D 5/-</u> | <u>F28D 20/-</u> | <u>G01N 21/-</u> |
| 2017423265 | 2023222830 | 2018221887 | 2018273815 2018333869 | 2020328306 2021223155 | 2018282868 2019467369 2022201918 |
| <u>E01F 9/-</u> | <u>E05C 9/-</u> | <u>F16H 19/-</u> | <u>F21S 9/-</u> | <u>F41H 1/-</u> | <u>G01N 27/-</u> |
| 2018221312 | 2023222830 | 2022218600 | 2017306409 | 2020362134 | 2022201918 |
| <u>E02B 17/-</u> | <u>E06B 3/-</u> | <u>F16H 41/-</u> | <u>F24D 10/-</u> | <u>F42D 1/-</u> | <u>G01N 29/-</u> |
| 2021202442 | 2022204602 | 2022218600 | 2018397161 | 2018272117 | 2018251534 |
| <u>E02D 23/-</u> | <u>E21B 17/-</u> | <u>F16K 15/-</u> | <u>F24D 19/-</u> | <u>F42D 3/-</u> | <u>G01N 33/-</u> |
| 2021202442 | 2018203010 2019291003 | 2018410836 | 2018397161 | 2018272117 | 2017215345 2017233725 2017290832 2018282868 2020217427 2020332969 2021201506 2021250869 |
| <u>E02D 27/-</u> | <u>E21B 19/-</u> | <u>F16K 27/-</u> | <u>F24F 11/-</u> | <u>G01B 5/-</u> | |
| 2021202442 | 2022201552 2022249407 | 2018410836 | 2021307800 | 2020216412 | |
| <u>E03C 1/-</u> | <u>E21B 28/-</u> | <u>F16K 31/-</u> | <u>F24F 140/-</u> | <u>G01B 7/-</u> | |
| 2020320468 | 2020372882 | 2018256911 | 2021307800 | 2018233574 | |
| <u>E04B 1/-</u> | <u>E21B 29/-</u> | <u>F16K 37/-</u> | <u>F24F 7/-</u> | <u>G01C 17/-</u> | <u>G01N 35/-</u> |
| 2020328306 | 2020371479 | 2018256911 | 2019456022 | 2018273815 | 2021245253 2021277713 |
| <u>E04C 3/-</u> | <u>E21B 33/-</u> | <u>F16L 1/-</u> | <u>F24S 10/-</u> | <u>G01C 22/-</u> | <u>G01R 27/-</u> |
| 2022200665 | 2018410836 2020371479 | 2018224393 | 2018374714 | 2022202203 | 2022218511 |
| <u>E04C 5/-</u> | <u>E21B 34/-</u> | <u>F16L 11/-</u> | <u>F24S 20/-</u> | <u>G01C 7/-</u> | <u>G01R 31/-</u> |
| 2020200495 | 2018410836 | 2019291003 | 2018374714 | 2018273815 | 2019338429 |
| <u>E04D 5/-</u> | <u>E21B 43/-</u> | <u>F16L 13/-</u> | <u>F24S 23/-</u> | <u>G01F 1/-</u> | <u>G01R 33/-</u> |
| 2018390781 | 2020371479 2020372882 | 2020323276 | 2018374714 | 2018288623 | 2017356784 |
| <u>E04F 11/-</u> | <u>E21C 35/-</u> | <u>F16L 19/-</u> | <u>F25B 1/-</u> | <u>G01F 15/-</u> | <u>G01S 15/-</u> |
| 2022241583 | 2022201521 | 2018213958 | 2019456022 | 2018308366 | 2022228193 2022263572 |
| <u>E04G 21/-</u> | <u>E21F 1/-</u> | <u>F16L 3/-</u> | <u>F25B 39/-</u> | <u>G01F 25/-</u> | <u>G01S 17/-</u> |
| 2023206224 | 2022201521 | 2019291003 | 2019456022 | 2018308365 2018308366 | 2023200702 |
| <u>E04G 3/-</u> | <u>F02K 1/-</u> | <u>F16L 33/-</u> | <u>F25B 41/-</u> | <u>G01F 3/-</u> | <u>G01S 5/-</u> |
| 2018298649 | 2021203495 | 2018213958 | 2020323276 | 2018308365 2018308366 | 2021328056 |
| <u>E04H 4/-</u> | <u>F03B 13/-</u> | <u>F16L 37/-</u> | <u>F25B 9/-</u> | <u>G01J 5/-</u> | <u>G02B 27/-</u> |
| 2019261221 | 2017306409 2022218600 | 2018213958 | 2021257828 | 2020256378 | 2021250895 2023222937 |
| <u>E05B 15/-</u> | | <u>F16L 47/-</u> | <u>F25D 11/-</u> | | |
| 2018204341 | | 2018205064 | | | |

Applications Accepted - IPC Index cont'd

| | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <u>G02B 5 /-</u> | <u>G06F 40 /-</u> | 2021316176 | <u>G21K 1 /-</u> | <u>H02K 7 /-</u> | <u>H04N 7 /-</u> |
| 2018374714 | 2018313902 | <u>G06T 9 /-</u> | 2021370379 | 2020276386 | 2022202588 |
| <u>G02F 1 /-</u> | <u>G06K 17 /-</u> | 2019210233 | <u>H01B 1 /-</u> | 2022218600 | 2022202975 |
| 2018356511 | 2022203374 | <u>G06V 10 /-</u> | 2019228842 | <u>H02K 9 /-</u> | 2022204151 |
| <u>G03B 17 /-</u> | <u>G06K 19 /-</u> | 2022202588 | <u>H01B 13 /-</u> | 2020276386 | <u>H04R 1 /-</u> |
| 2023222937 | 2020216093 | <u>G06V 30 /-</u> | 2019228842 | <u>H02S 30 /-</u> | 2021245251 |
| <u>G03G 15 /-</u> | 2021276226 | 2022202588 | <u>H01F 38 /-</u> | 2022201918 | 2022228193 |
| 2021229186 | <u>G06K 7 /-</u> | <u>G08B 13 /-</u> | 2022204815 | <u>H02S 40 /-</u> | 2022252749 |
| <u>G03G 21 /-</u> | 2018374869 | 2020216093 | <u>H01L 31 /-</u> | 2021266274 | <u>H04W 24 /-</u> |
| 2021229186 | 2021276226 | <u>G08B 17 /-</u> | 2019338554 | <u>H03K 11 /-</u> | 2021272413 |
| <u>G05B 19 /-</u> | 2022203374 | 2020256378 | 2021262466 | 2019357130 | <u>H04W 4 /-</u> |
| 2022202203 | <u>G06N 10 /-</u> | <u>G08B 21 /-</u> | <u>H01L 33 /-</u> | <u>H04B 11 /-</u> | 2021328056 |
| <u>G05D 1 /-</u> | 2021257828 | 2018204454 | 2019338554 | 2022263572 | <u>H04W 40 /-</u> |
| 2018374869 | <u>G06N 3 /-</u> | 2021269414 | <u>H01M 10 /-</u> | <u>H04B 5 /-</u> | 2020354228 |
| 2021365925 | 2018374912 | <u>G08G 1 /-</u> | 2019228842 | 2022204815 | <u>H04W 48 /-</u> |
| 2022202203 | <u>G06N 5 /-</u> | 2018221312 | 2021254648 | <u>H04B 7 /-</u> | 2022252749 |
| <u>G06F 1 /-</u> | 2020209849 | 2021365925 | 2021347695 | 2018320874 | <u>H04W 60 /-</u> |
| 2021257828 | <u>G06N 99 /-</u> | <u>G09G 3 /-</u> | <u>H01R 13 /-</u> | <u>H04L 1 /-</u> | 2022252749 |
| 2022205199 | 2019347734 | 2022202203 | 2021254648 | 2017438213 | <u>H04W 68 /-</u> |
| <u>G06F 11 /-</u> | <u>G06Q 10 /-</u> | <u>G09G 5 /-</u> | <u>H02G 11 /-</u> | 2018320874 | 2021277646 |
| 2019262864 | 2018388779 | 2020412358 | 2019291003 | 2021277646 | 2022203746 |
| 2023201843 | 2018397161 | 2022202975 | <u>H02G 3 /-</u> | <u>H04L 27 /-</u> | <u>H04W 72 /-</u> |
| <u>G06F 15 /-</u> | 2020209849 | <u>G10K 11 /-</u> | 2019291003 | 2022203746 | 2018390050 |
| 2021290403 | 2020216093 | 2022228193 | <u>H02H 3 /-</u> | <u>H04L 5 /-</u> | <u>H04W 74 /-</u> |
| <u>G06F 16 /-</u> | <u>G06Q 30 /-</u> | 2022263572 | 2019222191 | 2021277646 | 2018390050 |
| 2018313902 | 2018361949 | <u>G10L 15 /-</u> | <u>H02J 13 /-</u> | <u>H04L 67 /-</u> | 2021277646 |
| 2023201843 | <u>G06Q 40 /-</u> | 2019347734 | 2018388779 | <u>H04W 8 /-</u> | <u>H04W 8 /-</u> |
| <u>G06F 18 /-</u> | 2020209849 | <u>G10L 19 /-</u> | <u>H02J 3 /-</u> | 2018290312 | 2022203982 |
| 2018290312 | <u>G06Q 50 /-</u> | 2017438213 | 2018214152 | 2021202615 | <u>H04W 80 /-</u> |
| 2018313902 | 2018388779 | 2022203996 | 2020373245 | <u>H04L 9 /-</u> | 2022203982 |
| 2021316176 | 2018397161 | 2022241555 | 2021340055 | 2020209849 | 2022204148 |
| 2022202588 | <u>G06T 15 /-</u> | <u>G10L 21 /-</u> | <u>H02J 50 /-</u> | 2022204148 | <u>H04W 88 /-</u> |
| <u>G06F 21 /-</u> | 2019210233 | 2022241544 | 2022204815 | <u>H04M 1 /-</u> | 2018320874 |
| 2020209849 | 2019477545 | <u>G10L 25 /-</u> | 2022263572 | 2022205199 | 2022203982 |
| 2020393787 | <u>G06T 17 /-</u> | 2018207664 | <u>H02K 1 /-</u> | <u>H04N 17 /-</u> | <u>H05B 6 /-</u> |
| 2021203509 | 2020244586 | <u>G16C 60 /-</u> | 2020276386 | 2022202588 | 2019293043 |
| 2023201843 | <u>G06T 19 /-</u> | 2021250869 | 2020393819 | <u>H04N 19 /-</u> | <u>H05K 7 /-</u> |
| <u>G06F 3 /-</u> | 2019477545 | <u>G16Y 10 /-</u> | 2020437705 | 2019210233 | 2021257828 |
| 2021203509 | 2022202975 | 2021365925 | <u>H02K 3 /-</u> | 2019379934 | 2020263199 |
| 2022202203 | <u>G06T 7 /-</u> | <u>G16Y 40 /-</u> | <u>H02K 5 /-</u> | 2020228227 | <u>H10N 30 /-</u> |
| 2022205199 | 2019288385 | 2021365925 | 2020276386 | 2022228228 | 2022228193 |
| 2022228191 | 2020244586 | | | 2022228372 | |
| 2023201843 | | | | 2022229691 | |
| <u>G06F 30 /-</u> | | | | | |
| 2021250869 | | | | | |

Certified Innovation Patents**Name Index**

(This list may contain multiple listings of a patent where there are multiple patentees for that patent.)

-
- (71) OrthAlign, Inc.
(11) AU-B-2022100115
(21) 2022100115 (22) 24.08.2022
(54) HIP REPLACEMENT NAVIGATION
SYSTEMS AND METHODS
(51) Int. Cl.
A61B 34/20 (2016.01)
A61B 17/56 (2006.01)
A61B 90/00 (2016.01)
A61F 2/32 (2006.01)
(45) 19.10.2023
(62) 2018236220
(72) Nielsen, Jonathan; Matthews, John;
Van Der Walt, Nicholas
(74) PHILLIPS ORMONDE FITZPATRICK

Numerical Index

2022100115 OrthAlign, Inc.

IPC Index

A61B 17 /-

2022100115

A61B 34 /-

2022100115

A61B 90 /-

2022100115

A61F 2 /-

2022100115

Opposition Proceedings

(The name in parentheses is that of the opponent)

Opposition Lodged

- 2010201929 **Supa Peg Australia Pty Ltd** (Outdoor Supacentre Pty Ltd)
- 2020240203 **Nippon Steel Corporation** (voestalpine Railway Systems GmbH)

Opposition Withdrawn

- 2020284137 **ESCO Group LLC** (CQMS PTY LTD)

Patents Granted

Standard Patents

- | | | | |
|------------|------------|------------|------------|
| 2016358172 | 2016434207 | 2017213744 | 2017216864 |
| 2017220672 | 2017228556 | 2017234659 | 2017237643 |
| 2017257185 | 2017281364 | 2017292903 | 2017297617 |
| 2017305950 | 2017306038 | 2017315325 | 2017319777 |
| 2017321653 | 2017324262 | 2017333873 | 2017336596 |
| 2017337133 | 2017346325 | 2017350878 | 2017358069 |
| 2017358776 | 2017360131 | 2017361245 | 2017361718 |
| 2017363425 | 2017365116 | 2017373828 | 2017374799 |
| 2017378018 | 2017380943 | 2017410250 | 2017440030 |
| 2018202436 | 2018205799 | 2018217734 | 2018217751 |
| 2018220092 | 2018220580 | 2018221479 | 2018221963 |
| 2018223739 | 2018223908 | 2018226104 | 2018231691 |
| 2018241524 | 2018241849 | 2018243276 | 2018243281 |
| 2018251946 | 2018261600 | 2018262629 | 2018264092 |
| 2018273713 | 2018297059 | 2018298939 | 2018300091 |
| 2018300319 | 2018300485 | 2018306365 | 2018310989 |
| 2018336988 | 2018338407 | 2018340855 | 2018395264 |
| 2018409250 | 2018444272 | 2019229076 | 2019239701 |
| 2019239703 | 2019240299 | 2019247486 | 2019250096 |
| 2019254980 | 2019257315 | 2019273765 | 2019284814 |
| 2019321256 | 2019324953 | 2019341503 | 2019363013 |
| 2019400693 | 2019412420 | 2019415834 | 2019420812 |
| 2019424547 | 2019433058 | 2019469004 | 2019474670 |
| 2020203590 | 2020203824 | 2020203844 | 2020205346 |
| 2020211400 | 2020218079 | 2020220179 | 2020224954 |
| 2020228229 | 2020232017 | 2020235410 | 2020237195 |
| 2020238853 | 2020239789 | 2020250769 | 2020250811 |
| 2020252070 | 2020252872 | 2020255008 | 2020261440 |
| 2020262383 | 2020268059 | 2020269390 | 2020281160 |
| 2020292363 | 2020297918 | 2020306889 | 2020310275 |
| 2020316738 | 2020323285 | 2020328964 | 2020330314 |
| 2020332428 | 2020336161 | 2020336319 | 2020340275 |
| 2020347613 | 2020349218 | 2020356933 | 2020361766 |
| 2020367009 | 2020382899 | 2020386484 | 2020396746 |
| 2020397092 | 2020398833 | 2020418789 | 2020454270 |
| 2020455830 | 2021202677 | 2021203120 | 2021203621 |
| 2021203663 | 2021203813 | 2021204043 | 2021204252 |
| 2021205014 | 2021206198 | 2021206840 | 2021211972 |
| 2021215134 | 2021218003 | 2021218009 | 2021218144 |
| 2021221388 | 2021221607 | 2021232658 | 2021237841 |
| 2021245115 | 2021245142 | 2021250969 | 2021265012 |
| 2021277752 | 2021290259 | 2021318297 | 2021322785 |
| 2021346299 | 2021360263 | 2021370166 | 2022200422 |
| 2022200468 | 2022200669 | 2022201041 | 2022201687 |
| 2022201850 | 2022202133 | 2022202528 | 2022202669 |
| 2022202697 | 2022204376 | 2022273817 | 2023200147 |

Innovation Patents

- 2019101850 2023100083 2023100084

Assignments Registered

- 2005252401 Aventis Pharma S.A. The patent has been assigned to **Sanofi Mature IP**
- 2005311191 Aventis Pharma S.A. The patent has been assigned to **Sanofi Mature IP**
- 2008290442 AVENTIS PHARMA S.A. The patent has been assigned to **Sanofi Mature IP**
- 2010243635 Friedrich-Alexander-Universitaet Erlangen-Nuernberg; Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.; Dolby International AB The patent has been assigned to **Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.; Dolby International AB**
- 2010256751 Cargill, Incorporated The patent has been assigned to **PIONEER HI-BRED INTERNATIONAL, INC.**
- 2010310555 Remendium Labs LLC The patent has been assigned to **Axena Health, Inc.**
- 2010330777 Cargill, Incorporated The patent has been assigned to **PIONEER HI-BRED INTERNATIONAL, INC.**
- 2011258362 Cargill, Incorporated The patent has been assigned to **PIONEER HI-BRED INTERNATIONAL, INC.**
- 2011373683 Cargill, Incorporated The patent has been assigned to **PIONEER HI-BRED INTERNATIONAL, INC.**
- 2012201835 Aventis Pharma S.A. The patent has been assigned to **Sanofi Mature IP**
- 2014210680 Remendium Labs LLC The patent has been assigned to **Axena Health, Inc.**
- 2015202535 Cargill, Incorporated The patent has been assigned to **PIONEER HI-BRED INTERNATIONAL, INC.**
- 2015393664 Ingenieria WiseConn SpA The patent has been assigned to **WiseConn IP GmbH**
- 2016210887 Neotope Neuroscience Limited; University Health Network (UHN) The patent has been assigned to **University Health Network (UHN); Novo Nordisk A/S**
- 2016210888 Neotope Neuroscience Limited; University Health Network The patent has been assigned to **Novo Nordisk A/S; University Health Network (UHN)**
- 2016210889 Neotope Neuroscience Limited; University Health Network The patent has been assigned to **Novo Nordisk A/S; University Health Network (UHN)**
- 2017245313 Cargill, Incorporated The patent has been assigned to **PIONEER HI-BRED INTERNATIONAL, INC.**
- 2017265003 AKS INDUSTRIES AUSTRALIA PTY LTD The patent has been assigned to **AKS COMPANY MANAGEMENT PTY LTD**
- 2017301737 Renovia Inc. The patent has been assigned to **Axena Health, Inc.**
- 2019204520 Remendium Labs LLC The patent has been assigned to **Axena Health, Inc.**
- 2019229335 Remendium Labs LLC The patent has been assigned to **Axena Health, Inc.**
- 2019240720 Remendium Labs LLC The patent has been assigned to **Axena Health, Inc.**

Assignments Registered

2019277933 Jiangsu Chia Tai Fenghai Pharmaceutical Co., Ltd.
The patent has been assigned to **Nanjing Chuangte Pharmaceutical Technology Co., Ltd**

2020281099 Remendium Labs LLC The patent has been assigned to **Axena Health, Inc.**

Extensions of Term of Standard Patents

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

Applications Accepted

The following application(s) for Extension of Term have been accepted under Section 74.

Notice of opposition under Section 75(1) to the undermentioned application(s) for an extension of term may be filed at the Patent Office within the prescribed time.

2015208820 **Pfizer Inc.**

The earliest first regulatory approval date provided by the patentee 02 Dec 2022

For the goods Prevenar pneumococcal purified capsular polysaccharides

Address for service : Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2015208822 **Pfizer Inc.**

The earliest first regulatory approval date provided by the patentee 02 Dec 2022

For the goods Prevenar 20 pneumococcal purified capsular polysaccharides

Address for service : Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

Extensions granted

The following application(s) for Extension of Term have been granted under Section 76.

2016298425 **BioMarin Pharmaceutical Inc.**

The earliest first regulatory approval date provided by the patentee 06 Jul 2022

For the goods VOXZOGO vosoritide

Extension of Term of patent pursuant to Section 77 expires on 06 Jul 2037

Corrigenda

In Vol 32 , No 23 , Page(s) 3352 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Sanofi Biotechnology, Regeneron Pharmaceuticals, Inc., Application No. 2016348418, under INID (72) correct the co-inventor to Mery-Mignard, Dominique

In Vol 35 , No 32 , Page(s) 6546 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Shanghai Tusen Weilai Artificial Intelligence Technology Co., Ltd., Application No. 2019415414, under INID (71) correct the applicant name to Beijing Tusen Zhitu Technology Co., Ltd..

In Vol 35 , No 9 , Page(s) 1374 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Amsted Rail Company, Inc., Application No. 2019307604, under INID (72) correct the co-inventor to Mansfield, Edward J.

Corrigenda

In Vol 57 , No 19 , Page(s) 2723 under the heading **Applications Accepted - Name Index** Under the name Amsted Rail Company, Inc., Application No. 2019307604, under INID (72) correct the co-inventor to Mansfield, Edward J.

In Vol 57 , No 39 , Page(s) 5607 under the heading **Extensions of Time, Section 223 - Applications Allowed - Section 223(2)** Delete all reference to 2018393985.

In Vol 57 , No 40 , Page(s) 5858 under the heading **Applications Accepted - Name Index** Under the name Sanofi Biotechnology, Regeneron Pharmaceuticals, Inc., Application No. 2016348418, under INID (72) correct the co-inventor Mery-Mignard, Dominique

Specifications Republished

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

| | |
|------------|--|
| 2018255926 | Allogene Therapeutics, Inc. |
| 2019330774 | Stamets, P. |
| 2020414988 | Mitsubishi Heavy Industries, Ltd. |
| 2022228647 | FONDAZIONE TELETHON ETS |
| 2022232622 | EMENDOBIO INC. |
| 2022245215 | MEMORIAL SLOAN-KETTERING CANCER CENTER; SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH; MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES; STICHTING VUMC |
| 2022245292 | NEUMIRNA THERAPEUTICS APS |
| 2022249176 | REGENERON PHARMACEUTICALS, INC. |
| 2022252220 | JUNO THERAPEUTICS, INC. |
| 2022252236 | BIOGEN MA INC. |
| 2022256031 | 10X GENOMICS, INC. |
| 2022256988 | DEBUT BIOTECHNOLOGY, INC. |
| 2022270331 | SOCIÉTÉ DES PRODUITS NESTLÉ S.A.; LUDWIG INSTITUTE FOR CANCER RESEARCH |
| 2022298653 | REGENERON PHARMACEUTICALS, INC. |