



# **Australian Government**

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## **IP Australia**

**AUSTRALIAN OFFICIAL JOURNAL**

**OF**

**PATENTS**



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## *General Information*

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

*Editorial enquiries*

*Contact information*

*Freedom of Information ACT*

*Professional Standards Board*

*Sales*

*Requests for Information under Section 194 (c)*

*Country Codes*

*Trade Mark and Designs Hearing Sessions*

*INID (Internationally agreed Numbers for the Identification of Data)*

## GUIDE TO THE USE OF THIS JOURNAL

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

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

### (i) FILING -

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

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

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

### (iii) ACCEPTANCE –

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

### (iv) OPPOSITION –

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

### (v) GRANTING –

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

### (vi) CERTIFICATION

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

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

## How To Identify Information Using "INID" Numbers

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

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

(22) 12.10.91

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

## How Australian Patent Documents are Numbered

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

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

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

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

**See Examples:**

2011236254 and 2000023658 (Standard Complete)

2011158589 (Innovation Complete)

2011902365 (Provisional)

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

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

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

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

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

## Arrangement of Information in the Journal

For each of the categories

(i) Provisional Applications Filed, (ii)

Complete Applications Filed, (iii)

Applications Open to Public Inspection

(iv) Applications Accepted, and (v)

Innovation Patent Certified.

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

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

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

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

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

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

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

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

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

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

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

The following Numerical Indices are available:

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

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

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

The indices to use are

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

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

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

## 'INID' NUMBERS in use on Australian Patent Documents

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

#### (10) Document identification

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

#### (20) Document filing data

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

#### (30) Priority data

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

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

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

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

**(50) Technical Information**

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

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

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

**(70) Identification of parties concerned with the document**

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

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

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

**NOTE**

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

**AU-A** = Pre-examination

**AU-B** = Post-examination

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

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***Thanh Tri Lam [2024] APO 52***

Patent Application: 2023214228

Title: Bevelled magnetic continuous variable transmission

Patent Applicant: Thanh Tri Lam

Delegate: Greg Powell

Decision Date: 19 December 2024

Hearing Date: Written submissions due on 31 October 2024

Catchwords: **PATENTS** – section 97(1) – re-examination – examiner objection – clear enough and complete enough disclosure – undue burden – specification does not contain enough information to enable performance of invention across full width of the claims – no patentable subject matter identified in the specification – application refused – utility and support not considered

Representation: Applicant did not make submissions

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

*Thanh Tri Lam* [2024] APO 53

|                     |                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Patent Application: | 2023208068                                                                                                                                                                                                                                                                                                                                                                              |
| Title:              | Machine learning based optimal control system for magnetic continuous variable transmission                                                                                                                                                                                                                                                                                             |
| Patent Applicant:   | Thanh Tri Lam                                                                                                                                                                                                                                                                                                                                                                           |
| Delegate:           | Greg Powell                                                                                                                                                                                                                                                                                                                                                                             |
| Decision Date:      | 19 December 2024                                                                                                                                                                                                                                                                                                                                                                        |
| Hearing Date:       | Written submissions due on 31 October 2024                                                                                                                                                                                                                                                                                                                                              |
| Catchwords:         | <b>PATENTS</b> – section 97(1) – re-examination – examiner objection – clear enough and complete enough disclosure – undue burden – specification does not contain enough information to enable performance of invention across full width of the claims – no patentable subject matter identified in the specification – application refused – best method and support not considered. |
| Representation:     | Applicant did not make submissions                                                                                                                                                                                                                                                                                                                                                      |

# 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 17 Dec 2024 .

|                                                                                                                                               |                                                                                                                                                                                                    |                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>ALAIGNE JAYNE MARE see SCENTIAN BIO LIMITED</b><br/>(21) 2024904255</p>                                                                 | <p><b>Australian Eggs Limited see The University of Melbourne</b><br/>(21) 2024904228</p> <p>(71) BHP Innovation Pty Ltd<br/>(21) 2024904193 (22) 18.12.2024<br/>(54) METHOD OF PRODUCING IRON</p> | <p>(71) Cannulight Technology Limited<br/>(21) 2024904277 (22) 23.12.2024<br/>(54) TESTING DEVICES FOR AN INVASIVE DEVICE ENTRY INDICATOR</p>                                    |
| <p>(71) Alchin Long Group IP Pty Limited<br/>(21) 2024904224 (22) 19.12.2024<br/>(54) Window assembly with internally accessible hardware</p> | <p>(71) Bradken Resources Pty Limited<br/>(21) 2024904266 (22) 20.12.2024<br/>(54) AN IMPROVED CHROMIUM-MOLYBDENUM CAST STEEL</p>                                                                  | <p>(71) Carbon Revolution Pty Ltd<br/>(21) 2024904239 (22) 20.12.2024<br/>(54) FLAT HEADED FASTENER ATTACHMENT ARRANGEMENT FOR COMPOSITE WHEELS</p>                              |
| <p>(71) Alcoa of Australia Limited<br/>(21) 2024904204 (22) 18.12.2024<br/>(54) Bauxite Mining</p>                                            | <p>(71) Breathesafe Pty Ltd<br/>(21) 2024904245 (22) 20.12.2024<br/>(54) A CONTAMINANT DECAY TEST APPARATUS AND A METHOD OF TESTING CONTROL OF PARTICULATE CONCENTRATIONS WITHIN AN ENCLOSURE</p>  | <p>(71) Coglitore, C.<br/>(21) 2024904209 (22) 19.12.2024<br/>(54) ricottauro</p>                                                                                                |
| <p>(71) Alcoa of Australia Limited<br/>(21) 2024904230 (22) 19.12.2024<br/>(54) System for heating a Bayer circuit process stream</p>         | <p>(71) BRL Patents Limited<br/>(21) 2024904237 (22) 20.12.2024<br/>(54) RESILIENT CONNECTOR</p>                                                                                                   | <p>(71) Colley, N.<br/>(21) 2024904286 (22) 23.12.2024<br/>(54) IMPROVED BARRIER MEMBRANE, COMPOSITE STRUCUTRES COMPRISING THE BARRIER MEMBRANE AND METHODS RELATING THERETO</p> |
| <p>(71) Alcoa of Australia Limited<br/>(21) 2024904265 (22) 20.12.2024<br/>(54) Sealing Composition</p>                                       | <p>(71) Bumby, C.; Percy, A.; Marshall, A.<br/>(21) 2024904219 (22) 19.12.2024<br/>(54) VANADIUM RECOVERY</p>                                                                                      | <p>(71) Collins, M.<br/>(21) 2024904290 (22) 23.12.2024<br/>(54) FORMWORK BRACKET AND METHODS OF USE</p>                                                                         |
| <p><b>ANDREW VLADIMIR KRALICEK see SCENTIAN BIO LIMITED</b><br/>(21) 2024904255</p>                                                           | <p>(71) Bumby, C.; Strawbridge, D.; Pearce, M.; Thrimawithana, D.<br/>(21) 2024904220 (22) 19.12.2024<br/>(54) Heat Induction System</p>                                                           | <p><b>COLM JOHN CARRAHER see SCENTIAN BIO LIMITED</b><br/>(21) 2024904255</p>                                                                                                    |
| <p>(71) Annex Products Pty Ltd<br/>(21) 2024904205 (22) 18.12.2024<br/>(54) WIRELESS CHARGING MOUNT</p>                                       | <p>(71) Bumby, C.; Strawbridge, D.; Pearce, M.; Thrimawithana, D.<br/>(21) 2024904222 (22) 19.12.2024<br/>(54) Improved Heat Induction System</p>                                                  | <p>(71) Commonwealth Scientific and Industrial Research Organisation<br/>(21) 2024904191 (22) 18.12.2024<br/>(54) Monitoring waste item disposal</p>                             |
| <p>(71) Archer, L.<br/>(21) 2024904236 (22) 20.12.2024<br/>(54) Arm Cannula Retention Apparatus</p>                                           | <p>(71) By Nikol<br/>(21) 2024904273 (22) 21.12.2024<br/>(54) Hair Growth Serum with SPF</p>                                                                                                       | <p>(71) Commonwealth Scientific and Industrial Research Organisation<br/>(21) 2024904221 (22) 19.12.2024<br/>(54) Proteinaceous molecules and uses therefor</p>                  |

## Provisional Applications Filed - Name Index cont'd

|                                                                                                                                                               |                                                                                                                            |                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (71) Commonwealth Scientific and Industrial Research Organisation<br>(21) 2024904287 (22) 23.12.2024<br>(54) Preparation and processes for production thereof | (71) Gallagher Group Limited<br>(21) 2024904269 (22) 20.12.2024<br>(54) An Enclosure                                       | (71) Kinosis Therapeutics Pty Ltd<br>(21) 2024904235 (22) 20.12.2024<br>(54) Modulators of the oxytocin receptor                                              |
| (71) D & D Group Pty Ltd<br>(21) 2024904251 (22) 20.12.2024<br>(54) HINGE ASSEMBLY FOR USE WITH A MOVABLE BARRIER                                             | (71) GONSALVEZ, C.; NATARAJ, A.<br>(21) 2024904272 (22) 21.12.2024<br>(54) MASKS FOR EXTENDED PERIODS OF USE               | (71) Kraken Labs<br>(21) 2024904206 (22) 18.12.2024<br>(54) Self healing Graphene paint protection                                                            |
| (71) Daemco Energy Pty Ltd<br>(21) 2024904281 (22) 23.12.2024<br>(54) Generator                                                                               | (71) GOWING BROS LTD<br>(21) 2024904212 (22) 19.12.2024<br>(54) Devices for controlling flex and apparatus including same  | <b>Lekkas, D. see Nikolitsas, N.</b><br>(21) 2024904200                                                                                                       |
| (71) Deakin University<br>(21) 2024904253 (22) 20.12.2024<br>(54) DNA aptamer-enabled intraoperative surgical pathology                                       | (71) Green, T.<br>(21) 2024904282 (22) 23.12.2024<br>(54) BUILDING AND CONSTRUCTION<br>ONSITE MATERIAL HANDLING SYSTEM     | <b>LEROY BIRD see SCENTIAN BIO LIMITED</b><br>(21) 2024904255                                                                                                 |
| (71) Denteric Pty Ltd<br>(21) 2024904254 (22) 20.12.2024<br>(54) Methods of treatment using vaccine compositions                                              | (71) HAPPYTAP LIMITED<br>(21) 2024904202 (22) 18.12.2024<br>(54) Tap                                                       | (71) LIMITLESS TECHNOLOGIES LIMITED<br>(21) 2024904210 (22) 19.12.2024<br>(54) NOVEL COMPOSITIONS AND METHODS                                                 |
| (71) Ecochem Australia Pty Ltd<br>(21) 2024904256 (22) 20.12.2024<br>(54) COMPOSITIONS FOR REMOVAL OF STARCH                                                  | <b>Hardrock Mining Solutions Pty Ltd see Support Technologies Innovations Pty Ltd</b><br>(21) 2024904189                   | <b>Marshall, A. see Bumby, C.</b><br>(21) 2024904219                                                                                                          |
| (71) FISHER & PAYKEL APPLIANCES LIMITED<br>(21) 2024904232 (22) 20.12.2024<br>(54) METHOD FOR CONTROLLING LAUNDRY MACHINE AND LAUNDRY MACHINE THEREOF         | (71) Holcim (Australia) Pty Ltd<br>(21) 2024904295 (22) 23.12.2024<br>(54) A FOUNDATION AND METHOD OF CONSTRUCTING THEREOF | (71) Maynetic Investments Pty Ltd<br>(21) 2024904271 (22) 21.12.2024<br>(54) A musical toy                                                                    |
| (71) FLOW IMPORTS LIMITED<br>(21) 2024904208 (22) 19.12.2024<br>(54) A SELF-INFLATING MATTRESS AND A METHOD OF USING SAME                                     | (71) Hysata Pty Ltd<br>(21) 2024904285 (22) 23.12.2024<br>(54) Device                                                      | (71) McIntyre, M.<br>(21) 2024904297 (22) 23.12.2024<br>(54) FOLDING URINAL AND METHODS OF ASSEMBLY RELATING THERETO                                          |
| (71) Formo Bio GmbH<br>(21) 2024904283 (22) 23.12.2024<br>(54) Compositions for Use in Foodstuffs                                                             | <b>Institute of Environmental Science and Research Limited see University of Canterbury</b><br>(21) 2024904199             | (71) Mechanised Innovations Limited<br>(21) 2024904238 (22) 20.12.2024<br>(54) An Excavator                                                                   |
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(71) Mining and Process Solutions Pty Ltd  
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(54) RECOVERY PROCESS

(71) Miruku Limited  
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(54) METHODS AND COMPOSITIONS  
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(71) Modulo Panel Pty Ltd  
(21) 2024904246 (22) 20.12.2024  
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(71) Monash University  
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(71) Monash University  
(21) 2024904198 (22) 18.12.2024  
(54) A method of reducing dinitrogen to pro-  
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(71) Mulligan, L.; Thomas, D.; Obruchkov, S.  
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(21) 2024904272

(71) Neuren Pharmaceuticals Limited  
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(54) Method of treatment

(71) NewSouth Innovations Pty Limited  
(21) 2024904192 (22) 18.12.2024  
(54) (O-acyl)-hydroxy fatty acid formulations  
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(71) NewSouth Innovations Pty Limited  
(21) 2024904216 (22) 19.12.2024  
(54) Plant-based food gel

(71) NewSouth Innovations Pty Limited  
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(54) Splicing Kinase Inhibitors

(71) NewSouth Innovations Pty Limited  
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(54) Splicing Kinase Inhibitors

(71) NewSouth Innovations Pty Limited  
(21) 2024904248 (22) 20.12.2024  
(54) Method and system for structural health  
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(71) NewSouth Innovations Pty Limited  
(21) 2024904263 (22) 20.12.2024  
(54) Ship routing method and system

(71) Nikolitsas, N.; Papagelou, A.; Lekkas,  
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(21) 2024904200 (22) 18.12.2024  
(54) PROTECTIVE LAYER FOR DISPOS-  
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(71) NTHALMIC HOLDING PTY LTD; Zhong  
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(54) An optical film for a spectacle lens.

(71) O'Brien, P.  
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(21) 2024904195 (22) 18.12.2024  
(54) Rock bolt installation system, capsule,  
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(71) Patent Lewis Pty Ltd  
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(71) Psychae Therapeutics Pty Ltd  
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(54) Methods for preparing a harmala alkal-  
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(71) Quek, G.  
(21) 2024904275 (22) 22.12.2024  
(54) Posture Correcting Scrubs

(71) Rana, N.S.  
(21) 2024904270 (22) 21.12.2024  
(54) Solar-integrated metal roof panel

(71) RELECTRIFY HOLDINGS PTY LTD  
(21) 2024904267 (22) 20.12.2024  
(54) Reconfigurable battery system with im-  
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(71) ResMed Pty Ltd; ResMed Asia Pte. Ltd.  
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(54) Flow Disruptors for a Patient Interface

(71) ResMed Pty Ltd; ResMed Asia Pte. Ltd.  
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(54) HEADGEAR STRAP FOR A PATIENT  
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(71) ResMed Pty Ltd; ResMed Asia Pte.Ltd.  
(21) 2024904278 (22) 23.12.2024  
(54) A FUNCTIONAL MODULE FOR AN  
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(71) Richards, G.  
(21) 2024904234 (22) 20.12.2024  
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(71) Saluda Medical Pty Limited  
(21) 2024904279 (22) 23.12.2024  
(54) Analysis of complex electrophysiological responses to neural stimulation of mixed nerves

(71) Saluda Medical Pty Limited  
(21) 2024904280 (22) 23.12.2024  
(54) Methods and systems for neural response measurement during charging of a neuromodulation device

(71) Samsara Eco Pty Limited  
(21) 2024904203 (22) 18.12.2024  
(54) RECYCLING COPOLYAMIDES

(71) SCENTIAN BIO LIMITED; JONATHAN BRUCE GOOD; COLM JOHN CARAHAR; ALAIGNE JAYNE MARE; WENJUAN HUO; JUNG HOO SHIN; LEROY BIRD; ANDREW VLADIMIR KRALICEK  
(21) 2024904255 (22) 20.12.2024  
(54) SENSOR DEVICE

(71) Solar Sailor Pty Ltd  
(21) 2024904240 (22) 20.12.2024  
(54) Autonomous Surface Vessel

(71) Stewart, J.  
(21) 2024904229 (22) 19.12.2024  
(54) Attachable Toilet Seat Handle

(71) Stormtech Pty Limited  
(21) 2024904262 (22) 20.12.2024  
(54) Leak Control Flange

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(71) Support Technologies Innovations Pty Ltd; Hardrock Mining Solutions Pty Ltd  
(21) 2024904189 (22) 18.12.2024  
(54) Rock bolt assembly

(71) The Experiment Company Ltd  
(21) 2024904197 (22) 18.12.2024  
(54) Apparatus, system and method for conducting agar diffusion assay

(71) The University of Adelaide  
(21) 2024904225 (22) 19.12.2024  
(54) Antibacterial Gramicidin S Analogues

(71) The University of Melbourne; Australian Eggs Limited  
(21) 2024904228 (22) 19.12.2024  
(54) Gender and fertilisation status determination of eggs

(71) The University of Western Australia  
(21) 2024904231 (22) 20.12.2024  
(54) Bioadhesive

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(71) Thornley, P.  
(21) 2024904218 (22) 19.12.2024  
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(71) TTD GLOBAL PTY LTD  
(21) 2024904261 (22) 20.12.2024  
(54) Sanitising system for drinking water systems

(71) University of Canterbury; Institute of Environmental Science and Research Limited  
(21) 2024904199 (22) 18.12.2024  
(54) Antimicrobial peptides

(71) Veintech Pty Ltd  
(21) 2024904244 (22) 20.12.2024  
(54) A PORTABLE ULTRASOUND DEVICE AND METHOD FOR ITS OPERATION

(71) VICTORIA LINK LIMITED  
(21) 2024904258 (22) 20.12.2024  
(54) GARMENT MANUFACTURING METHOD AND GARMENT

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(21) 2024904255

(71) Western Jacks Pty Ltd  
(21) 2024904252 (22) 20.12.2024  
(54) Saw

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(71) Zydex Pty Ltd  
(21) 2024904276 (22) 23.12.2024  
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Applications listed below were processed through the Patent Office Canberra during the period ending 17 Dec 2024 .

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

|                                                                                                                                                                                  |                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                               |
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| <hr/> <b>Aclarion, Inc. see The Regents of the University of California</b><br><b>(21)</b> 2024278636                                                                            | <hr/> <b>(71)</b> Apple Inc.<br><b>(21)</b> 2024278616 <b>(22)</b> 19.12.2024<br><b>(54)</b> Audio driver and power supply unit architecture                                                                                                            | <hr/> <b>(71)</b> Ascendis Pharma Growth Disorders A/S<br><b>(21)</b> 2024278638 <b>(22)</b> 19.12.2024<br><b>(54)</b> Combination therapy with controlled-release CNP agonists                                               |
| <hr/> <b>(71)</b> Adobe Inc.<br><b>(21)</b> 2024287085 <b>(22)</b> 20.12.2024<br><b>(54)</b> SKETCH TO IMAGE GENERATION USING CONTROL NETWORK                                    | <hr/> <b>(71)</b> Apple Inc.<br><b>(21)</b> 2024287076 <b>(22)</b> 20.12.2024<br><b>(54)</b> Input device and user interface interactions                                                                                                               | <hr/> <b>(71)</b> Aspen Neuroscience, Inc.<br><b>(21)</b> 2024278587 <b>(22)</b> 19.12.2024<br><b>(54)</b> Method of differentiating neural cells and related compositions and methods of use                                 |
| <hr/> <b>(71)</b> Aiper Global Pte. Ltd.<br><b>(21)</b> 2024278571 <b>(22)</b> 18.12.2024<br><b>(54)</b> AUTOMATIC POOL CLEANING APPARATUS                                       | <hr/> <b>(71)</b> Applied Medical Resources Corporation<br><b>(21)</b> 2024287095 <b>(22)</b> 20.12.2024<br><b>(54)</b> Systems and methods for tissue removal                                                                                          | <hr/> <b>Assistance Publique-Hôpitaux de Paris (APHP) see INSERM (Institut National de la Santé et de la Recherche Médicale)</b><br><b>(21)</b> 2024278598                                                                    |
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| <hr/> <b>(71)</b> Alexion Pharmaceuticals, Inc.<br><b>(21)</b> 2024287094 <b>(22)</b> 20.12.2024<br><b>(54)</b> Antidotes for factor XA inhibitors and methods of using the same | <hr/> <b>(71)</b> Arbutus Biopharma Corporation<br><b>(21)</b> 2024287081 <b>(22)</b> 20.12.2024<br><b>(54)</b> LIVER SCREENING METHOD                                                                                                                  | <hr/> <b>(71)</b> Australian National University<br><b>(21)</b> 2024287135 <b>(22)</b> 22.12.2024<br><b>(54)</b> Methods of Detecting Varroa Mite                                                                             |
| <hr/> <b>(71)</b> Alfa Laval Corporate AB<br><b>(21)</b> 2024278579 <b>(22)</b> 18.12.2024<br><b>(54)</b> Method for operating bioprocessing system and bioprocessing system     | <hr/> <b>(71)</b> Aristocrat Technologies, Inc.<br><b>(21)</b> 2024287112 <b>(22)</b> 20.12.2024<br><b>(54)</b> ELECTRONIC GAMING SYSTEM USING HISTORICAL RANDOMLY DRAWN SPORT BETTING OUTCOMES                                                         | <hr/> <b>(71)</b> Bambino Prezioso Switzerland AG<br><b>(21)</b> 2024278603 <b>(22)</b> 19.12.2024<br><b>(54)</b> CARRYCOT TO BE DETACHABLY MOUNTED ON A BASE BEING DISMOUNTABLY ATTACHED IN A VEHICLE OR ON A STROLLER FRAME |
| <hr/> <b>(71)</b> Aliaxis Research & Technology<br><b>(21)</b> 2024287131 <b>(22)</b> 21.12.2024<br><b>(54)</b> Mechanical fittings for PVC based material                       | <hr/> <b>(71)</b> Aristocrat Technologies Australia Pty Limited<br><b>(21)</b> 2024287080 <b>(22)</b> 20.12.2024<br><b>(54)</b> GAMING MACHINES, SYSTEMS, AND METHODS WITH CONFIGURABLE BUTTON DECK INCLUDING A DYNAMIC LOW PROFILE PUSHBUTTON ASSEMBLY | <hr/> <b>(71)</b> Bambino Prezioso Switzerland AG<br><b>(21)</b> 2024278624 <b>(22)</b> 19.12.2024<br><b>(54)</b> Child safety seat and side collision protection mechanism thereof                                           |
| <hr/> <b>(71)</b> AMG Mineração S.A.<br><b>(21)</b> 2024278633 <b>(22)</b> 19.12.2024<br><b>(54)</b> ORE-DRESSING PROCESS                                                        | <hr/> <b>(71)</b> Aristocrat Technologies Australia Pty Limited<br><b>(21)</b> 2024287089 <b>(22)</b> 20.12.2024<br><b>(54)</b> A GAMEPLAY METHOD WITH CONNECTED IMAGE SEGMENTS                                                                         | <hr/> <b>(71)</b> Bambino Prezioso Switzerland AG<br><b>(21)</b> 2024278634 <b>(22)</b> 19.12.2024<br><b>(54)</b> Child safety seat                                                                                           |
| <hr/> <b>(71)</b> Anduril Industries, Inc.<br><b>(21)</b> 2024278601 <b>(22)</b> 19.12.2024<br><b>(54)</b> Maritime vehicle systems and methods                                  | <hr/> <b>(71)</b> Aristocrat Technologies Australia Pty Limited<br><b>(21)</b> 2024287096 <b>(22)</b> 20.12.2024                                                                                                                                        | <hr/> <b>(71)</b> BAMBINO PREZIOSO SWITZERLAND AG<br><b>(21)</b> 2024278574 <b>(22)</b> 18.12.2024<br><b>(54)</b> Indicator assembly of a supporting leg device for a safety seat and safety seat                             |
| <hr/> <b>(71)</b> Apple Inc.<br><b>(21)</b> 2024278575 <b>(22)</b> 18.12.2024                                                                                                    |                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                               |

Complete Applications Filed - Name Index cont'd

|                                                                                                                                                                                                                           |                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>(71) Barcelona Supercomputing Center - Centro Nacional De Supercomputación<br/>(21) 2024287167 (22) 23.12.2024<br/>(54) METHOD AND SYSTEM FOR EFFICIENT DATA MOVEMENT IN VECTOR PROCESSORS</p>                         | <p>(71) BREX INC.<br/>(21) 2024278611 (22) 19.12.2024<br/>(54) Multifactor authentication through cryptography-enabled smart cards</p>                                                 | <p>(54) ON-BOARD CHARGING STATION FOR A REMOTE CONTROL DEVICE</p>                                                                                                                                                                                                                    |
| <p>(71) BASF Plant Science Company GmbH<br/>(21) 2024278609 (22) 19.12.2024<br/>(54) Method and means for an isolation of membrane-bound proteins from a biological sample, preferably processed plant seed meal</p>      | <p><b>Brighten Optix Corp. see nthalmic holding Pty Ltd</b><br/>(21) 2024278596</p>                                                                                                    | <p>(71) Crown Equipment Corporation<br/>(21) 2024287086 (22) 20.12.2024<br/>(54) ON-BOARD CHARGING STATION FOR A REMOTE CONTROL DEVICE</p>                                                                                                                                           |
| <p>(71) Benchmark Genetics Iceland hf<br/>(21) 2024278648 (22) 19.12.2024<br/>(54) AN AQUACULTURE PROCESS FOR THE PRODUCTION OF SALMON EGGS</p>                                                                           | <p>(71) BruMate, Inc.<br/>(21) 2024278585 (22) 19.12.2024<br/>(54) LID-SECURING MECHANISM, BEVERAGE CONTAINER WITH LID-SECURING MECHANISM, AND METHODS OF MANUFACTURING THE SAME</p>   | <p>(71) Crown Equipment Corporation<br/>(21) 2024287091 (22) 20.12.2024<br/>(54) ON-BOARD CHARGING STATION FOR A REMOTE CONTROL DEVICE</p>                                                                                                                                           |
| <p>(71) Berkan, B.<br/>(21) 2024278599 (22) 19.12.2024<br/>(54) VEHICLE ASSEMBLIES AND RELATED KITS AND METHODS</p>                                                                                                       | <p>(71) Caterpillar Global Mining Equipment LLC<br/>(21) 2024278632 (22) 19.12.2024<br/>(54) SYSTEM FOR ACCESSING SWITCH FOR LADDER</p>                                                | <p>(71) Deere &amp; Company<br/>(21) 2024287141 (22) 23.12.2024<br/>(54) Dual frame mounted fertilizer opener with individual downforce and travel</p>                                                                                                                               |
| <p>(71) Bio-Gene Technology Limited<br/>(21) 2024278619 (22) 19.12.2024<br/>(54) Methods for Control of Pests</p>                                                                                                         | <p>(71) CATERPILLAR GLOBAL MINING EQUIPMENT LLC<br/>(21) 2024287083 (22) 20.12.2024<br/>(54) Rotary head guide system for drilling machine</p>                                         | <p>(71) Deere &amp; Company<br/>(21) 2024287145 (22) 23.12.2024<br/>(54) Power-split axle drive, agricultural towing vehicle, and method for operating a power-split axle drive</p>                                                                                                  |
| <p>(71) Bios-Therapy, Physiological Systems for Health S.p.A.<br/>(21) 2024287156 (22) 23.12.2024<br/>(54) A NATURAL MATRIX MIXTURE FOR THE TREATMENT OF BONE FRAGILITY</p>                                               | <p><b>Centre National de la Recherche Scientifique (CNRS) see INSERM (Institut National de la Santé et de la Recherche Médicale)</b><br/>(21) 2024278598</p>                           | <p>(71) Deere &amp; Company<br/>(21) 2024287155 (22) 23.12.2024<br/>(54) Automatically controlling blower speed on an air cart</p>                                                                                                                                                   |
| <p>(71) BLANCO GmbH + Co KG<br/>(21) 2024278613 (22) 19.12.2024<br/>(54) NUT FOR SECURING A COMPONENT TO A SUPPORT</p>                                                                                                    | <p>(71) Cheng Shin Rubber Ind. Co., Ltd.<br/>(21) 2024287132 (22) 21.12.2024<br/>(54) Tire capable of enhancing tread rigidity and reducing tread noise</p>                            | <p>(71) Deka Products Limited Partnership<br/>(21) 2024287140 (22) 23.12.2024<br/>(54) System, method, and apparatus for electronic patient care</p>                                                                                                                                 |
| <p>(71) Boross, F.<br/>(21) 2024287159 (22) 23.12.2024<br/>(54) DATA COMMUNICATIONS NETWORK FOR TRANSMISSION OF DATA RELATING TO SHARED DWELLINGS</p>                                                                     | <p>(71) Classic Hardware Suppliers Pty Ltd<br/>(21) 2024278612 (22) 19.12.2024<br/>(54) A latch</p>                                                                                    | <p>(71) Duesenfeld GmbH<br/>(21) 2024278642 (22) 19.12.2024<br/>(54) Recycling method for treating used batteries, in particular rechargeable batteries, and battery processing installation</p>                                                                                     |
| <p>(71) Boston Scientific Scimed, Inc.<br/>(21) 2024278635 (22) 19.12.2024<br/>(54) Implantable device comprising an electronically powered pump and valve system for hydraulic pressurization of inflatable implants</p> | <p>(71) ConMed Corporation<br/>(21) 2024287105 (22) 20.12.2024<br/>(54) LIGAMENT REVISION SYSTEM</p>                                                                                   | <p>(71) ECO Garage Doors Pty Ltd<br/>(21) 2024278576 (22) 18.12.2024<br/>(54) Drive unit</p>                                                                                                                                                                                         |
| <p>(71) Boston Scientific Scimed, Inc.<br/>(21) 2024287169 (22) 23.12.2024<br/>(54) Universal thread fluid container enclosure systems</p>                                                                                | <p>(71) Crop's Fruit<br/>(21) 2024278589 (22) 19.12.2024<br/>(54) Device for the automatic preparation of a food product and method of offering and/or selling such a food product</p> | <p>(71) Ecology Institute of Shandong Academy of Sciences (China-Japan Friendship Biotechnology Research Center of Shandong Academy of Sciences)<br/>(21) 2024287093 (22) 20.12.2024<br/>(54) POLYETHER-TYPE DEEMULSIFIER FOR CRUDE-OIL EMULSION AND PREPARATION METHOD THEREFOR</p> |
|                                                                                                                                                                                                                           | <p>(71) Crosstex International, Inc.<br/>(21) 2024287124 (22) 20.12.2024<br/>(54) Water Treatment Dispensing Apparatus</p>                                                             | <p>(71) Edwards Lifesciences Corporation<br/>(21) 2024278604 (22) 19.12.2024<br/>(54) Prosthetic valves with mechanically coupled leaflets</p>                                                                                                                                       |
|                                                                                                                                                                                                                           | <p>(71) Crown Equipment Corporation<br/>(21) 2024287084 (22) 20.12.2024</p>                                                                                                            |                                                                                                                                                                                                                                                                                      |

## Complete Applications Filed - Name Index cont'd

(71) Eftsure Pty Ltd  
(21) 2024287092 (22) 20.12.2024  
(54) A Vendor Management System and Method

(71) Eisai R&D Management Co., Ltd.  
(21) 2024278417 (22) 13.12.2024  
(54) Pladienolide derivatives as spliceosome targeting agents for treating cancer

(71) EncephalX Inc.  
(21) 2024278602 (22) 19.12.2024  
(54) Pivot fastener for bone/cranioplasty implants and prosthesis

**EVE ENERGY CO., LTD. see JINHAI LITHIUM(QINGHAI) CO., LTD.**  
(21) 2024278584

(71) EVE ENERGY CO., LTD.  
(21) 2024287139 (22) 23.12.2024  
(54) BATTERY MANAGEMENT SYSTEM AND ELECTRONIC DEVICE

(71) EVE Energy Storage Co., Ltd  
(21) 2024287152 (22) 23.12.2024  
(54) Liquid-cooled high-voltage box and energy storage battery system

(71) F. HOFFMANN-LA ROCHE AG  
(21) 2024278566 (22) 18.12.2024  
(54) Bispecific anti-CCL2 antibodies

(71) Fidelity Information Services, LLC  
(21) 2024287153 (22) 23.12.2024  
(54) SYSTEMS AND METHODS FOR RAPID BOOTING AND DEPLOYING OF AN ENTERPRISE SYSTEM IN A CLOUD ENVIRONMENT

(71) Fisher & Paykel Healthcare Limited  
(21) 2024279876 (22) 20.12.2024  
(54) Respiratory Mask System

(71) FISHER & PAYKEL HEALTHCARE LIMITED  
(21) 2024287142 (22) 23.12.2024  
(54) PATIENT INTERFACE AND COMPONENT PARTS

(71) Fiskars Brands, Inc  
(21) 2024278641 (22) 19.12.2024  
(54) Cutting board with integrated knife storage

(71) Flamm Top  
(21) 2024278569 (22) 18.12.2024  
(54) Method of producing crimped edge tart bases in a machine for processing pastry portions for the production of

crimped edge tart bases and such a processing machine

(71) Foshan Xin Zhong Sheng Energy Technology Co., Ltd  
(21) 2024287118 (22) 20.12.2024  
(54) Small portable charging pile for new energy automobile

(71) Frideco AG  
(21) 2024278614 (22) 19.12.2024  
(54) Pump device, in particular submersible pump device

(71) Gambro Lundia AB  
(21) 2024278557 (22) 18.12.2024  
(54) System and method for extracorporeal blood treatment

**Garg, K. see Mission Green PTY LTD**  
(21) 2024278586

(71) Gaztransport et Technigaz  
(21) 2024287098 (22) 20.12.2024  
(54) Storage facility for a liquefied gas and/or a hazardous liquid

(71) Gentex Corporation  
(21) 2024278639 (22) 19.12.2024  
(54) Helmet accessory mounting system

(71) GE Video Compression, LLC  
(21) 2024278580 (22) 18.12.2024  
(54) Transform coefficient coding

(71) GE Video Compression, LLC  
(21) 2024278627 (22) 19.12.2024  
(54) Sample array coding for low-delay

(71) Gilead Sciences, Inc.  
(21) 2024278560 (22) 18.12.2024  
(54) Methods of identifying HIV patients sensitive to therapy with GP120 V3 glycan-directed antibodies

(71) GOOGLE LLC  
(21) 2024287133 (22) 21.12.2024  
(54) AUGMENTED REALITY CONTENT EXPERIENCE SHARING USING DIGITAL MULTIMEDIA FILES

(71) Graco Minnesota Inc.  
(21) 2024278640 (22) 19.12.2024  
(54) Electric driver for wheeled ground surface modifying machine

(71) Gram Engineering Pty Ltd  
(21) 2024278593 (22) 19.12.2024

(54) A PANEL AND METHOD OF FABRICATING A PANEL

(71) Gram Engineering Pty Ltd  
(21) 2024278595 (22) 19.12.2024  
(54) A PANEL AND METHOD OF FABRICATING A PANEL

(71) Great Plains Manufacturing, Inc.  
(21) 2024287106 (22) 20.12.2024  
(54) Compact Utility Loader

(71) Great Plains Manufacturing, Inc.  
(21) 2024287108 (22) 20.12.2024  
(54) Compact Utility Loader

(71) GUANGDONG MIDEA KITCHEN AND BATH APPLIANCES MFG. CO., LTD.; WUHU MIDEA KITCHEN AND BATH APPLIANCES MFG. CO., LTD.  
(21) 2024278610 (22) 19.12.2024  
(54) Magnesium rod assembly and water heater

(71) Hager Industrial De Envolventes SAU  
(21) 2024278577 (22) 18.12.2024  
(54) Electrical Enclosure

(71) Haldor Topsøe A/S  
(21) 2024278582 (22) 18.12.2024  
(54) New bed material for thermolytic fragmentation of sugars

(71) Hanshow Technology Co., Ltd.  
(21) 2024287087 (22) 20.12.2024  
(54) Method, apparatus and device for generating display information of electronic price tag and medium

(71) Havencord Pty Ltd  
(21) 2024278630 (22) 19.12.2024  
(54) Mobile lighting system

(71) Hemanext Inc.  
(21) 2024278572 (22) 18.12.2024  
(54) METHODS FOR THE STORAGE OF WHOLE BLOOD, AND COMPOSITIONS THEREOF

(71) Hemanext Inc.  
(21) 2024278573 (22) 18.12.2024  
(54) METHODS AND TREATMENT OF TRAUMA

(71) Hollister Incorporated  
(21) 2024278617 (22) 19.12.2024  
(54) Medical device package with a twist cap

## Complete Applications Filed - Name Index cont'd

(71) Huawei Technologies Co., Ltd.  
(21) 2024278629 (22) 19.12.2024  
(54) METHOD FOR INDICATING SPATIAL REUSE PARAMETER AND DETERMINING SPATIAL REUSE PARAMETER FIELD AND APPARATUS

(71) Hygieia Health Co., Limited; Nutratelligence  
(21) 2024287189 (22) 23.12.2024  
(54) Systems, methods, compositions and devices for personalized nutrition formulation and delivery system

(71) Iconic Fan Company Pty Ltd  
(21) 2024287130 (22) 20.12.2024  
(54) Light Controller Suitable for LED Lights

(71) INSERM (Institut National de la Santé et de la Recherche Médicale); Centre National de la Recherche Scientifique (CNRS); Université Paris Cité; Assistance Publique-Hôpitaux de Paris (APHP)  
(21) 2024278598 (22) 19.12.2024  
(54) BYL719 (Alpelisib) for use in the treatment of PIK3CA-Related Overgrowth Spectrum (PROS - CLOVES syndrome)

(71) i-SENS, INC.  
(21) 2024287125 (22) 20.12.2024  
(54) APPLICATOR AND APPLICATOR ASSEMBLY

(71) i-SENS, INC.  
(21) 2024287126 (22) 20.12.2024  
(54) APPLICATOR AND APPLICATOR ASSEMBLY

(71) Janssen Pharmaceutica NV  
(21) 2024287122 (22) 20.12.2024  
(54) Formulations/compositions comprising ibrutinib

(71) JINHAİ LITHIUM(QINGHAI) CO., LTD.; EVE ENERGY CO., LTD.  
(21) 2024278584 (22) 18.12.2024  
(54) SYSTEM AND PROCESS FOR PREPARING REFINED INDUSTRIAL REFINED SODIUM CARBONATE

(71) JUUL Labs, Inc.  
(21) 2024278626 (22) 19.12.2024  
(54) Cartridge for a vaporizer device

(71) Kazacos AI Pty Ltd  
(21) 2024278643 (22) 19.12.2024  
(54) INTERACTIVE STORY GENERATION METHODS AND SYSTEMS

(71) KeyMed (Medical & Industrial Equipment) Limited  
(21) 2024287077 (22) 20.12.2024  
(54) Medical device accessory

(71) Koninklijke Philips N.V.  
(21) 2024278588 (22) 19.12.2024  
(54) Light guides with low refractive coating to be used in water

(71) Koto Holdings Limited  
(21) 2024287144 (22) 23.12.2024  
(54) Anchor monitor

(71) KWS SAAT SE & Co. KGaA  
(21) 2024278600 (22) 19.12.2024  
(54) Methods for enhancing genome engineering efficiency

(71) LensAR, Inc.  
(21) 2024278591 (22) 19.12.2024  
(54) Laser methods and systems for addressing, mitigating and reversing presbyopia

(71) Lentigen Technology, Inc.  
(21) 2024287075 (22) 20.12.2024  
(54) Method to treat cancer with engineered T-cells

(71) LG ELECTRONICS INC.  
(21) 2024287119 (22) 20.12.2024  
(54) LAUNDRY TREATING APPARATUS

(71) LIFT BioSciences Ltd  
(21) 2024278621 (22) 19.12.2024  
(54) Cancer-killing cells

(71) LightForce Orthodontics, Inc.  
(21) 2024287111 (22) 20.12.2024  
(54) Manufacture Of Patient-Specific Orthodontic Brackets With Improved Base And Retentive Features

(71) Lumetique, Inc.  
(21) 2024287107 (22) 20.12.2024  
(54) Wicks for candles and other lighting devices

(71) MADEBYFLINT Pte. Ltd.  
(21) 2024287128 (22) 20.12.2024  
(54) HYDROGEL COMPOSITION, HYDROGEL-REINFORCED CELLULOSE PAPER BATTERY SEPARATOR AND A PAPER BATTERY COMPRISING THE SAME

(71) Mahfouz, M.  
(21) 2024287120 (22) 20.12.2024

(54) Bone reconstruction and orthopedic implants

(71) MAKO Surgical Corp.  
(21) 2024287114 (22) 20.12.2024  
(54) Systems and methods for surgical planning using soft tissue attachment points

(71) Mayo Foundation for Medical Education and Research  
(21) 2024287097 (22) 20.12.2024  
(54) COMPOSITIONS AND METHODS INVOLVING TRANSFORMING EXTRACELLULAR VESICLES

(71) Mehrkhodavandi, H.  
(21) 2024287138 (22) 22.12.2024  
(54) Block-Chain Based Smart EV-Charger as a Network Stabilizer

(71) Minelab Electronics Pty. Limited  
(21) 2024287101 (22) 20.12.2024  
(54) AN IMPROVED METAL DETECTOR

(71) Mission Green PTY LTD; Garg, K.  
(21) 2024278586 (22) 19.12.2024  
(54) System and Method for an Energy Efficiency Client Portal with Rebate Management and Energy Assessment Features

(71) MIZUHO ORTHOPEDIC SYSTEMS, INC.  
(21) 2024287154 (22) 23.12.2024  
(54) SYSTEM, APPARATUS AND METHOD FOR PATIENT POSITIONING PRIOR TO, DURING AND/OR AFTER MEDICAL PROCEDURES

(71) NEWFANGLED TECH PTY LTD  
(21) 2024278578 (22) 18.12.2024  
(54) A process for treating a dirty solid material optionally from excavation

(71) Nextivity, Inc.  
(21) 2024278628 (22) 19.12.2024  
(54) INTEGRATED SYSTEM FOR COMMUNICATION AND SENSING FOR DISTRIBUTED ANTENNA SYSTEMS

(71) nthalmic holding Pty Ltd; Brighten Optix Corp.  
(21) 2024278596 (22) 19.12.2024  
(54) A contact lens solution for myopia management

(71) Nunhems B.V.  
(21) 2024287074 (22) 20.12.2024  
(54) Melon Variety NUN 16721 MEM

## Complete Applications Filed - Name Index cont'd

(71) Nunhems B.V.  
(21) 2024287079 (22) 20.12.2024  
(54) Lettuce variety NUN 09245 LTL

(71) Nunhems B.V.  
(21) 2024287121 (22) 20.12.2024  
(54) MELON VARIETY NUN 71579 MEM

(71) Nunhems B.V.  
(21) 2024287161 (22) 23.12.2024  
(54) Lettuce variety NUN 10006 LTL

(71) Nunhems B.V.  
(21) 2024287162 (22) 23.12.2024  
(54) Lettuce variety NUN 11016 LTL

**Nutratelligence see Hygieia Health Co., Limited**  
(21) 2024287189

**Opus One Solutions (USA) Corporation see Opus One Solutions Energy Corp.**  
(21) 2024287123

(71) Opus One Solutions Energy Corp.;  
Opus One Solutions (USA) Corporation  
(21) 2024287123 (22) 20.12.2024  
(54) Systems and methods for distribution  
system markets in electric power sys-  
tems

(71) Physio-Control, Inc.  
(21) 2024278605 (22) 19.12.2024  
(54) Efficient transfer of patient data

(71) Physio-Control, Inc.  
(21) 2024278615 (22) 19.12.2024  
(54) External device authentication

(71) Physio-Control, Inc.  
(21) 2024278618 (22) 19.12.2024  
(54) Multi-device patient encounters

(71) Physio-Control, Inc.  
(21) 2024278623 (22) 19.12.2024  
(54) Systems, methods, and apparatus for  
detecting the end of life of a battery

(71) Power Hero Corp.  
(21) 2024287157 (22) 23.12.2024  
(54) A method and device for converting  
standalone EV charging stations into in-  
telligent stations with remote commu-  
nications connectivity and control

(71) ProbioTech USA LLC  
(21) 2024287150 (22) 23.12.2024  
(54) Improving health of the microbiome  
in a human gastrointestinal system

and multi-chamber probiotic delivery  
products therefor

(71) QILU UNIVERSITY OF  
TECHNOLOGY#SHANDONG  
ACADEMY OF SCIENCES#  
(21) 2024287082 (22) 20.12.2024  
(54) METHOD AND SYSTEM FOR CON-  
TROLLING ATTITUDE OF QUADRO-  
TOR AIRCRAFT BASED ON NEURAL  
NETWORK

(71) Queen Ceramic Incorporation  
(21) 2024287148 (22) 23.12.2024  
(54) Engineered stone and manufacturing  
method thereof

(71) Reflex Instruments Asia Pacific Pty Ltd  
(21) 2024278649 (22) 20.12.2024  
(54) FIT FOR PURPOSE MEASUREMENT  
SYSTEM FOR DRILL HOLE LOGGING

(71) Regeneron Pharmaceuticals, Inc.  
(21) 2024278594 (22) 19.12.2024  
(54) METHODS OF TREATING SEVERE  
INSULIN RESISTANCE BY INTER-  
FERING WITH GLUCAGON RECEPT-  
OR SIGNALING

(71) Revivicor Inc  
(21) 2024278565 (22) 18.12.2024  
(54) Genetically modified pigs for xenotrans-  
plantation of vascularized xenografts  
and derivatives thereof

(71) Rhythm Pharmaceuticals, Inc.  
(21) 2024278597 (22) 19.12.2024  
(54) Method of treating melanocortin-4 re-  
ceptor pathway-associated disorders

(71) Rippleffect Trust Limited  
(21) 2024278631 (22) 19.12.2024  
(54) Coupling System, Washer and Method  
of Coupling

(71) Robertson, C.  
(21) 2024278607 (22) 19.12.2024  
(54) A Slope or Level Indicating Device

(71) RTX BBN TECHNOLOGIES, INC.  
(21) 2024287068 (22) 20.12.2024  
(54) IMPROVED SIMULTANEOUS TRANS-  
MIT SIGNALS AND RECEIVE SIG-  
NALS

(71) RUBI GLAS GMBH  
(21) 2024287070 (22) 20.12.2024  
(54) Visual protection device for task forces

(71) SAFE TC PTY LTD  
(21) 2024287164 (22) 23.12.2024  
(54) Traffic signage cover

(71) SENSE2 PTY LTD  
(21) 2024287137 (22) 22.12.2024  
(54) Photonic-Neuromorphic Computing  
System With Neuromorphic Memory,  
Binarized Logic, Silicon Photonics,  
PQC Readiness, Intrusion-Based Re-  
source Allocation, Adaptive Cooling,  
and Future-Ready Upgradability

(71) Serina Therapeutics (AL), Inc.  
(21) 2024278567 (22) 18.12.2024  
(54) CLEAVABLE CONJUGATES OF CAT-  
ECHOL COMPOUNDS AND WA-  
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(71) Shaheen Innovations Holding Limited  
(21) 2024278559 (22) 18.12.2024  
(54) MIST INHALER DEVICES

(71) Shenzhen Aiper Intelligent Co., Ltd.  
(21) 2024287129 (22) 20.12.2024  
(54) POOL CLEANING DEVICE AND  
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(71) Siemens Mobility GmbH  
(21) 2024278644 (22) 19.12.2024  
(54) Brake apparatus with distance sensor  
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(71) Snap-on Incorporated  
(21) 2024287158 (22) 23.12.2024  
(54) Ratchet control for a tool

(71) Spacesaver Corporation  
(21) 2024287113 (22) 20.12.2024  
(54) UNIVERSAL SHELF CLIP FOR STOR-  
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(21) 2024278606

(71) Stevenson, R.A.; Stevenson, W.L.  
(21) 2024278606 (22) 19.12.2024  
(54) Urination relief hatch for waterproof  
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(71) Studco Australia Pty Ltd  
(21) 2024287100 (22) 20.12.2024  
(54) WALL AND CEILING CONSTRUCTION

(71) Studco Australia Pty Ltd  
(21) 2024287102 (22) 20.12.2024

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(54) WALL AND CEILING CONSTRUCTION

(71) Studco Australia Pty Ltd  
(21) 2024287171 (22) 23.12.2024  
(54) WALL AND CEILING CONSTRUCTION

(71) Sungrow Power Supply Co., Ltd.  
(21) 2024287078 (22) 20.12.2024  
(54) Inverter, method for turning off inverter, and photovoltaic system

(71) SUN RISE E & T CORPORATION  
(21) 2024278637 (22) 19.12.2024  
(54) Mounting bracket for an offshore photovoltaic module

(71) Synlogic Operating Company, Inc.  
(21) 2024278562 (22) 18.12.2024  
(54) Bacteria engineered to reduce hyperphenylalaninemia

(71) Systems IP Pty Ltd  
(21) 2024287163 (22) 23.12.2024  
(54) Net poles

(71) Technological Resources Pty. Limited  
(21) 2024287149 (22) 23.12.2024  
(54) Automated Updating of Geological Model Boundaries for Improved Ore Extraction

(71) Techtronic Cordless GP  
(21) 2024278620 (22) 19.12.2024  
(54) Communication control unit, charging device, electrical appliance and communication control method thereof

(71) Tencent America LLC  
(21) 2024278647 (22) 19.12.2024  
(54) ADAPTIVE COLOUR TRANSFORM RELATED SIGNALLING FOR BOTH OF CU LEVEL AND TU LEVEL

(71) Terns, Inc.  
(21) 2024287115 (22) 20.12.2024  
(54) Compounds for treating certain leukemias

(71) The Boeing Company  
(21) 2024287104 (22) 20.12.2024  
(54) Systems and methods for forming composite workpieces

(71) The Insides Company Limited  
(21) 2024287071 (22) 20.12.2024  
(54) NUTRIENT RECYCLING DEVICE

(71) The Regents of the University of California; Aclarion, Inc.  
(21) 2024278636 (22) 19.12.2024  
(54) MAGNETIC RESONANCE SPECTROSCOPY SYSTEM AND METHOD FOR DIAGNOSING PAIN OR INFECTION ASSOCIATED WITH PROPIONIC ACID

(71) The Trustees of The University of Pennsylvania  
(21) 2024287090 (22) 20.12.2024  
(54) Gene Therapy For Treating Mucopolysaccharidosis Type II

(71) Tiger Tool International Incorporated  
(21) 2024287088 (22) 20.12.2024  
(54) CLEVIS PIN PRESS TOOL

(71) Tochtech Technologies Ltd.  
(21) 2024287116 (22) 20.12.2024  
(54) WEIGHING DEVICE

(71) TOMY Company, Ltd.  
(21) 2024278592 (22) 19.12.2024  
(54) Game device

(71) TRINA SOLAR CO., LTD.  
(21) 2024278570 (22) 18.12.2024  
(54) Heterojunction solar cell and manufacturing method thereof, and photovoltaic module

(71) TScan Therapeutics, Inc.  
(21) 2024278650 (22) 20.12.2024  
(54) PRAME IMMUNOGENIC PEPTIDES, BINDING PROTEINS RECOGNIZING PRAME IMMUNOGENIC PEPTIDES, AND USES THEREOF

(71) Twyford, J.  
(21) 2024287073 (22) 20.12.2024  
(54) Internal wall sheet

(71) Umano Medical Inc.  
(21) 2024287103 (22) 20.12.2024  
(54) Brake system for a patient support apparatus

(71) Unilever IP Holdings B.V.  
(21) 2024287160 (22) 23.12.2024  
(54) Food composition

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(21) 2024278598

(71) UPL Ltd  
(21) 2024287136 (22) 22.12.2024

(54) COMPOSITION COMPRISING EUTECTIC MIXTURE OF BOSCALID AND A STROBILURIN FUNGICIDE

(71) Veltek Associates, Inc.  
(21) 2024278568 (22) 18.12.2024  
(54) Portable air sampler

(71) VIDEO GAMING TECHNOLOGIES, INC.  
(21) 2024278646 (22) 19.12.2024  
(54) GAMING MACHINE INCLUDING BRUSHLESS MOTOR SYSTEM

(71) Virox Technologies Inc.  
(21) 2024278581 (22) 18.12.2024  
(54) C3-C5 N-ALKYL-GAMMA-BUTYROLACTAM-CONTAINING ANTIMICROBIAL COMPOSITIONS AND USES THEREOF

(71) Vistagen Therapeutics, Inc  
(21) 2024278564 (22) 18.12.2024  
(54) Dosage forms and therapeutic uses of l-4-chlorokynurenine

(71) Walker Digital Table Systems, LLC  
(21) 2024287069 (22) 20.12.2024  
(54) Systems and Methods for Verifying Player Identity at a Table Game

(71) Welldoc, Inc.  
(21) 2024278555 (22) 18.12.2024  
(54) SYSTEMS AND METHODS FOR ANALYZING, INTERPRETING, AND ACTING ON CONTINUOUS GLUCOSE MONITORING DATA

(71) Windgap Medical, Inc.  
(21) 2024287127 (22) 20.12.2024  
(54) A dynamic mixing and delivery system for mixing a therapeutic agent in an injector or autoinjector

(71) Wonderland Switzerland AG  
(21) 2024278625 (22) 19.12.2024  
(54) Baby carriage brake mechanism and baby carriage having the same

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(21) 2024278610

(71) XWPHARMA LTD.  
(21) 2024278622 (22) 19.12.2024  
(54) Modified release compositions of a gamma-hydroxybutyric acid derivative

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(71) YETI Coolers, LLC  
 (21) 2024287151 (22) 23.12.2024  
 (54) Closure and lid and method of forming  
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(71) Yuan, Z.  
 (21) 2024287146 (22) 23.12.2024  
 (54) Enhanced Security Windows and Doors  
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| 2024278602 | EncephalX Inc.                                                                                                                                                                               | 2024287082 | QILU UNIVERSITY OF TECHNOLOGY#SHANDONG ACADEMY OF SCIENCES#                                                                              |
| 2024278603 | Bambino Prezioso Switzerland AG                                                                                                                                                              | 2024287083 | CATERPILLAR GLOBAL MINING EQUIPMENT LLC                                                                                                  |
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| 2024278611 | BREX INC.                                                                                                                                                                                    | 2024287090 | The Trustees of The University of Pennsylvania                                                                                           |
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| 2024287124 | Crosstex International, Inc.                                          |
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| 2024287127 | Windgap Medical, Inc.                                                 |
| 2024287128 | MADEBYFLINT Pte. Ltd.                                                 |
| 2024287129 | Shenzhen Aiper Intelligent Co., Ltd.                                  |
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| 2024287132 | Cheng Shin Rubber Ind. Co., Ltd.                                      |
| 2024287133 | GOOGLE LLC                                                            |
| 2024287135 | Australian National University                                        |
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| 2024287138 | Mehrkhodavandi, H.                                                    |
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| 2024287158 | Snap-on Incorporated                                                  |
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| 2024287160 | Unilever IP Holdings B.V.                                             |
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| 2024287162 | Nunhems B.V.                                                          |
| 2024287163 | Systems IP Pty Ltd                                                    |
| 2024287164 | SAFE TC PTY LTD                                                       |
| 2024287167 | Barcelona Supercomputing Center - Centro Nacional De Supercomputación |
| 2024287169 | Boston Scientific Scimed, Inc.                                        |
| 2024287171 | Studco Australia Pty Ltd                                              |
| 2024287189 | Hygieia Health Co., Limited; Nutratelligence                          |

# 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)                                                     |
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| 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)                                                                      |
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| 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                                           |
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| F  | Patents on which an examination has been requested or report issued                                    |
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| N  | Applications not Open to Public Inspection                                                             |

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| 2011268017 ( 14 ) | 2011303402 ( 14 ) |                   |

## 2012

|                   |                   |                   |
|-------------------|-------------------|-------------------|
| 2012200417 ( 14 ) | 2012201738 ( 14 ) | 2012202906 ( 14 ) |
| 2012203403 ( 14 ) | 2012216544 ( 14 ) | 2012216748 ( 14 ) |
| 2012266355 ( 14 ) | 2012266378 ( 14 ) | 2012266404 ( 14 ) |
| 2012266457 ( 14 ) | 2012266462 ( 14 ) | 2012266768 ( 14 ) |
| 2012267128 ( 14 ) | 2012267258 ( 14 ) | 2012267260 ( 14 ) |
| 2012267487 ( 14 ) | 2012267611 ( 14 ) | 2012267786 ( 14 ) |
| 2012268078 ( 14 ) | 2012278905 ( 14 ) | 2012283116 ( 14 ) |
| 2012366230 ( 14 ) | 2012381808 ( 14 ) |                   |

## 2013

|                   |                   |                   |
|-------------------|-------------------|-------------------|
| 2013271342 ( 14 ) | 2013271407 ( 14 ) | 2013272382 ( 14 ) |
| 2013272438 ( 14 ) | 2013272940 ( 14 ) | 2013272943 ( 14 ) |
| 2013273193 ( 14 ) | 2013273390 ( 14 ) | 2013273595 ( 14 ) |
| 2013273689 ( 14 ) | 2013276633 ( 14 ) | 2013276693 ( 14 ) |
| 2013278971 ( 14 ) | 2013279662 ( 14 ) | 2013283093 ( 14 ) |

## 2014

|                   |                   |                   |
|-------------------|-------------------|-------------------|
| 2014203110 ( 14 ) | 2014227544 ( 14 ) | 2014274784 ( 14 ) |
| 2014274824 ( 14 ) | 2014275768 ( 14 ) | 2014276885 ( 14 ) |
| 2014277621 ( 14 ) | 2014278466 ( 14 ) | 2014278472 ( 14 ) |
| 2014278514 ( 14 ) | 2014278895 ( 14 ) | 2014279808 ( 14 ) |
| 2014295406 ( 14 ) | 2014302002 ( 14 ) | 2014311867 ( 14 ) |
| 2014384759 ( 14 ) | 2014396309 ( 14 ) |                   |

## 2015

|                   |                   |                   |
|-------------------|-------------------|-------------------|
| 2015200517 ( 14 ) | 2015203031 ( 14 ) | 2015203044 ( 14 ) |
| 2015203091 ( 14 ) | 2015203273 ( 14 ) | 2015243062 ( 14 ) |
| 2015269095 ( 14 ) | 2015271898 ( 14 ) | 2015272082 ( 14 ) |
| 2015272128 ( 14 ) | 2015273079 ( 14 ) | 2015273269 ( 14 ) |
| 2015273274 ( 14 ) | 2015274201 ( 14 ) | 2015274900 ( 14 ) |
| 2015274936 ( 14 ) | 2015275023 ( 14 ) | 2015277637 ( 14 ) |
| 2015281599 ( 14 ) | 2015284671 ( 14 ) | 2015291363 ( 14 ) |
| 2015294612 ( 14 ) | 2015397171 ( 14 ) |                   |

## 2016

|                   |                   |                   |
|-------------------|-------------------|-------------------|
| 2016200135 ( 14 ) | 2016200407 ( 14 ) | 2016202597 ( 14 ) |
| 2016203810 ( 14 ) | 2016213888 ( 14 ) | 2016256782 ( 14 ) |
| 2016262709 ( 14 ) | 2016270539 ( 14 ) | 2016270569 ( 14 ) |
| 2016274783 ( 14 ) | 2016274868 ( 14 ) | 2016275569 ( 14 ) |
| 2016275627 ( 14 ) | 2016276144 ( 14 ) | 2016276145 ( 14 ) |
| 2016276316 ( 14 ) | 2016276641 ( 14 ) | 2016276972 ( 14 ) |
| 2016276973 ( 14 ) | 2016276974 ( 14 ) | 2016277027 ( 14 ) |
| 2016277469 ( 14 ) | 2016289353 ( 14 ) |                   |

**2017**

|                   |                   |                   |
|-------------------|-------------------|-------------------|
| 2017200861 ( 14 ) | 2017200888 ( 14 ) | 2017201536 ( 14 ) |
| 2017202104 ( 14 ) | 2017203878 ( 14 ) | 2017232226 ( 14 ) |
| 2017276496 ( 14 ) | 2017277071 ( 14 ) | 2017277271 ( 14 ) |
| 2017277277 ( 14 ) | 2017277293 ( 14 ) | 2017277478 ( 14 ) |
| 2017277499 ( 14 ) | 2017277724 ( 14 ) | 2017277731 ( 14 ) |
| 2017277751 ( 14 ) | 2017277784 ( 14 ) | 2017277803 ( 14 ) |
| 2017277905 ( 14 ) | 2017277920 ( 4C ) | 2017277949 ( 14 ) |
| 2017278196 ( 14 ) | 2017278479 ( 14 ) | 2017278767 ( 14 ) |
| 2017279037 ( 4C ) | 2017279528 ( 14 ) | 2017283041 ( 14 ) |
| 2017284124 ( 14 ) | 2017286194 ( 14 ) | 2017286510 ( 14 ) |
| 2017410433 ( 14 ) |                   |                   |

**2018**

|                   |                    |                   |
|-------------------|--------------------|-------------------|
| 2018201081 ( 14 ) | 2018203340 ( 14 )  | 2018203950 ( 14 ) |
| 2018203953 ( 14 ) | 2018279318 ( 14 )  | 2018279705 ( 4C ) |
| 2018280340 ( 4C ) | 2018280353 ( 14 )  | 2018281145 ( 4C ) |
| 2018281871 ( 14 ) | 2018281889 ( 14 )  | 2018290161 ( 14 ) |
| 2018296282 ( 4C ) | 2018319701 ( 25D ) | 2018321556 ( 14 ) |
| 2018324628 ( 4C ) | 2018410908 ( 14 )  | 2018426503 ( 4C ) |
| 2018427143 ( 4C ) |                    |                   |

**2019**

|                    |                    |                    |
|--------------------|--------------------|--------------------|
| 2019100621 ( 22E ) | 2019203476 ( 14 )  | 2019203948 ( 4C )  |
| 2019203963 ( 4C )  | 2019250180 ( 14 )  | 2019271972 ( 14 )  |
| 2019280259 ( 4C )  | 2019280822 ( 4C )  | 2019280881 ( 4C )  |
| 2019280958 ( 4C )  | 2019281019 ( 4C )  | 2019281203 ( 4C )  |
| 2019281218 ( 4C )  | 2019281613 ( 14 )  | 2019282253 ( 4C )  |
| 2019282274 ( 4C )  | 2019282279 ( 4C )  | 2019282801 ( 14 )  |
| 2019283658 ( 4C )  | 2019284352 ( 4C )  | 2019284971 ( 4C )  |
| 2019290427 ( 14 )  | 2019291494 ( 14 )  | 2019299869 ( 14 )  |
| 2019400451 ( 25D ) | 2019415370 ( 12C ) | 2019417684 ( 12C ) |

**2020**

|                    |                    |                    |
|--------------------|--------------------|--------------------|
| 2020100951 ( 22E ) | 2020100981 ( 22E ) | 2020203422 ( 14 )  |
| 2020203723 ( 14 )  | 2020203732 ( 14 )  | 2020203739 ( 4B )  |
| 2020203744 ( 4B )  | 2020203789 ( 4B )  | 2020203832 ( 4B )  |
| 2020203843 ( 4A )  | 2020267313 ( 14 )  | 2020270686 ( 12C ) |
| 2020272330 ( 12C ) | 2020286472 ( 4C )  | 2020286518 ( 14 )  |
| 2020287158 ( 4C )  | 2020287166 ( 4C )  | 2020288203 ( 4B )  |
| 2020288378 ( 4B )  | 2020289139 ( 4B )  | 2020289456 ( 14 )  |
| 2020290408 ( 4C )  | 2020291526 ( 4C )  | 2020292256 ( 14 )  |
| 2020293025 ( 4C )  | 2020298684 ( 4B )  | 2020311836 ( 4B )  |
| 2020313195 ( 4B )  | 2020313849 ( 4B )  | 2020323449 ( 12C ) |
| 2020397138 ( 14 )  | 2020421609 ( 16 )  | 2020450947 ( 4A )  |
| 2020451897 ( 4C )  |                    |                    |

**2021**

|                    |                    |                    |
|--------------------|--------------------|--------------------|
| 2021103190 ( 22E ) | 2021103191 ( 22E ) | 2021103197 ( 22E ) |
| 2021103210 ( 22E ) | 2021103211 ( 22E ) | 2021103214 ( 22E ) |
| 2021103227 ( 22E ) | 2021103228 ( 22E ) | 2021103288 ( 22E ) |
| 2021107676 ( 22E ) | 2021102697 ( 14 )  | 2021206810 ( 4C )  |
| 2021227209 ( 25D ) | 2021266221 ( 14 )  | 2021335200 ( 12C ) |

**2022**

|                    |                    |                   |
|--------------------|--------------------|-------------------|
| 2022100007 ( 22E ) | 2022209283 ( 4C )  | 2022221399 ( 4C ) |
| 2022224792 ( 4C )  | 2022275478 ( 25D ) | 2022275504 ( 4C ) |

**2023**

|                     |                     |                     |
|---------------------|---------------------|---------------------|
| 2023202947 ( 4C )   | 2023203734 ( 4C )   | 2023222904 ( 4C )   |
| 2023229618 ( 4C )   | 2023904105 ( 12AN ) | 2023904121 ( 12AN ) |
| 2023904123 ( 12AN ) | 2023904133 ( 12AN ) | 2023904134 ( 12AN ) |
| 2023904136 ( 12AN ) | 2023904141 ( 12AN ) | 2023904142 ( 12AN ) |
| 2023904145 ( 12AN ) | 2023904147 ( 12AN ) | 2023904167 ( 12AN ) |
| 2023904211 ( 12AN ) |                     |                     |

**2024**

|                     |                     |                     |
|---------------------|---------------------|---------------------|
| 2024219692 ( 12CN ) | 2024227134 ( 7CN )  | 2024227139 ( 7AN )  |
| 2024227194 ( 7AN )  | 2024227288 ( 12CN ) | 2024227289 ( 12CN ) |
| 2024266835 ( 12CN ) | 2024267071 ( 12CN ) | 2024278280 ( 12CN ) |
| 2024278425 ( 12CN ) | 2024900012 ( 12AN ) | 2024903863 ( 12AN ) |

**Complete Specifications Treated as Provisional Specifications, Section 37****2024**

2024278395 **Jaber, F.** Provisional Number: 2024904214

**Assignments before Grant, Section 113****2019**

2019252565 Tysana Pte. Ltd. The application has been assigned to **WuXi Biologics Ireland Limited**

**2020**

2020291792 Cardior Pharmaceuticals GmbH The application has been assigned to **Novo Nordisk A/S**

2020296613 Xris Corporation The application has been assigned to **Koninklijke Philips N.V.**

2020302017 Xris Corporation The application has been assigned to **Koninklijke Philips N.V.**

2020347030 Xris Corporation The application has been assigned to **Koninklijke Philips N.V.**

2020388606 Xris Corporation The application has been assigned to **Koninklijke Philips N.V.**

**2021**

2021231233 Alpha Biopesticides Limited The application has been assigned to **Bayer CropScience Schweiz AG**

2021231356 FETUS, IVF a. s. The application has been assigned to **FETUS, IVF INC**

2021307516 Shanghai Junshi Biosciences Co., Ltd.; Suzhou Junmeng Biosciences Co., Ltd. The application has been assigned to **Shanghai Junshi Biosciences Co., Ltd.**

2021311701 Shanghai Junshi Biosciences Co., Ltd.; Suzhou Junmeng Biosciences Co., Ltd. The application has been assigned to **Shanghai Junshi Biosciences Co., Ltd.**

**2022**

2022248735 Emergence Therapeutics GmbH; UNIVERSITE D'AIX-MARSEILLE; INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE); CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS; INSTITUT JEAN PAOLI & IRENE CALMETTES The application has been assigned to **Eli Lilly and Company; UNIVERSITE D'AIX-MARSEILLE; INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE); CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS; INSTITUT JEAN PAOLI & IRENE CALMETTES**

2022250867 Emergence Therapeutics GmbH; UNIVERSITE D'AIX-MARSEILLE; INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE); INSTITUT JEAN PAOLI & IRENE CALMETTES; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS - The application has been assigned to **Eli Lilly and Company; UNIVERSITE D'AIX-MARSEILLE; INSERM (INSTITUT NA-**

## Assignments before Grant, Section 113

**TIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE); INSTITUT JEAN PAOLI & IRENE CALMETTES; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE – CNRS –**

2022291601 Tongwei Solar (Anhui) Co., Ltd. The application has been assigned to **Tongwei Solar (Chengdu) Co., Ltd**

2022320167 Unicharm Corporation; SDP GLOBAL CO., LTD. The application has been assigned to **Unicharm Corporation**

### 2023

2023219624 THE UNIVERSITY OF BRITISH COLUMBIA; CORPORATION DE L'ÉCOLE POLYTECHNIQUE DE MONTRÉAL The application has been assigned to **POLYVALOR, SOCIÉTÉ EN COMMUN- DITE; THE UNIVERSITY OF BRITISH COLUMBIA**

2023904191 Leung, Tsz Hin The application has been assigned to **Iconic Fan Company Pty Ltd**

2023904215 KIRBY, Warwick The application has been assigned to **Prevu Corporation Pty Ltd**

### 2024

2024902973 Baace Products NZ Limited; RAINBOW, Brent The application has been assigned to **Baace Products NZ Limited**

2024903904 FONTERRA CO-OPERATIVE GROUP LIMITED; ROLANDO SALTINI; IMAD AL KASSAA; ANDREW PATRICK; GEOFFREY SHAUN STEVENS The application has been assigned to **FONTERRA CO-OPERATIVE GROUP LIMITED**

## Extensions of Time, Section 223

### Applications Received

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

### 2017

2017221309 **Smith, L.** An application to extend the time from 15 Feb 2024 to 15 Sep 2024 in which to pay a continuation fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

### 2021

2021239828 **FLASH THERAPEUTICS, LLC** An application to extend the time from 16 Oct 2022 to 16 Dec 2024 in which to enter the National Phase has been filed . Address for service - Pearce IP Pty Ltd L5, 20 Bond St SYDNEY NSW 2000 AU

### Applications Allowed - Section 223(2)

### 2013

2013313030 **CSR Building Products Limited** The time in which to pay a renewal fee has been extended to 09 May 2024 . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

## Extensions of Time, Section 223

### 2014

2014315695 **Lumenco, LLC** The time in which to pay a renewal fee has been extended to 27 Sep 2024 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

### 2017

2017218408 **Crenshaw, K.** The time in which to pay a renewal fee has been extended to 30 Sep 2024 . Address for service - AJ PARK PO Box 949 Wellington 6140 NZ

### 2018

2018101558 **Zhang, Y.X.** The time in which to pay a renewal fee has been extended to 18 Jul 2024 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street Melbourne VIC 3000 AU

2018250461 **Zhang, Y.X.** The time in which to pay a renewal fee has been extended to 18 Jul 2024 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street Melbourne VIC 3000 AU

### 2020

2020271285 **LiquidStack Holding B.V.** The time in which to request examination has been extended to 26 Sep 2024 . Address for service - RnB IP Pty Ltd PO Box 9530 Deakin ACT 2600 AU

2020280074 **Joby Aero, Inc.** The time in which to request examination has been extended to 27 Sep 2024 . Address for service - AJ PARK PO Box 949 Wellington 6140 NZ

2020359685 **Oberon Technologies Inc.** The time in which to request examination has been extended to 02 Nov 2024 . Address for service - Madderms Pty Ltd GPO Box 2752 Adelaide SA 5001 AU

### 2022

2022228253 **CONMED CORPORATION** The time in which to enter the National Phase has been extended to 04 Jul 2024 . Address for service - Griffith Hack Level 15 376-390 Collins St MELBOURNE VIC 3000 AU

2022328718 **OMNIOX INC.** The time in which to enter the National Phase has been extended to 18 Jul 2024 . Address for service - RnB IP PO Box 9530 Deakin ACT 2600 AU

### 2023

2023244562 **NEWSOUTH INNOVATIONS PTY LIMITED; THE HONG KONG POLYTECHNIC UNIVERSITY** The time in which to enter the national phase has been extended to 30 Nov 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 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.

## Amendments

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.

### 2010

2010363814 Defibrotide for use in prophylaxis and/or treatment of Graft versus Host Disease (GVHD). **GENTIUM S.R.L.** The nature of the amendment is: Add inventor RICHARDSON, Paul . Address for service - Griffith Hack Level 15 376-390 Collins St MELBOURNE VIC 3000 AU

### 2019

2019272038 Rubber composition for tennis ball **Sumitomo Rubber Industries, Ltd.** The nature of the amendment is as shown in the statement(s) filed 13 Dec 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

### 2020

2020256391 A method for the site-specific enzymatic labelling of nucleic acids in vitro by incorporation of unnatural nucleotides **The Scripps Research Institute** The nature of the amendment is as shown in the statement(s) filed 19 Nov 2024 . Address for service - FB Rice Pty Ltd L 33 477 Collins Street Melbourne VIC 3000 AU

### 2021

2021201222 Usability features for respiratory humidification system **Fisher & Paykel Healthcare Limited** The nature of the amendment is as shown in the statement(s) filed 11 Dec 2024 . Address for service - AJ PARK PO Box 949 Wellington 6140 NZ

2021239972 Mounting device for a metal roof **RMH Tech LLC** The nature of the amendment is as shown in the statement(s) filed 09 Dec 2024 . Address for service - Cooper IP Pty Ltd Eastern Innovation 5A Hartnett Close Mulgrave VIC 3170 AU

2021287122 Recombinant Herpes Simplex Virus comprising glycoprotein GH that has been modified for retargeting, and use thereof **Gencellmed Inc.** The nature of the amendment is as shown in the statement(s) filed 17 Dec 2024 . Address for service - FB Rice Pty Ltd Level 33 477 Collins Street Melbourne VIC 3000 AU

2021385576 MATERIAL MOVER **PADDLEMOVER LLC** The nature of the amendment is as shown in the statement(s) filed 18 Dec 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

### 2022

2022280586 CHIMERIC ANTIGEN RECEPTOR SPECIFICALLY BINDING TO CD300C ANTIGEN OR RECEPTOR THEREOF **CENT-RICS BIO, INC.** The nature of the amendment is: Amend the name of the inventor to DELETE: KIM, Haneul AND LIM, Chang Ki . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

### 2023

2023201831 DEVICE AND METHOD FOR HANDLING A MULTI-CELL SCHEDULING **Acer Incorporated** The nature of the amendment is as shown in the statement(s) filed 18 Dec 2024 . Address for

## Amendments

service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

2023203026 RAPID ERROR DETECTION THROUGH COMMAND VALIDATION **ServiceNow, Inc.** The nature of the amendment is as shown in the statement(s) filed 09 Dec 2024 . Address for service - Madderns Pty Ltd GPO Box 2752 Adelaide SA 5001 AU

## Amendments Made

### 2018

2018221774 **OSE Immunotherapeutics** The nature of the amendment is as shown in the statement filed 24 Sep 2024

### 2019

2019204683 **Piez, R.; Aluminium Specialties Group Pty. Ltd.** The nature of the amendment is: To amend the co-applicant name to read Aluminium Specialties Group Pty. Ltd.

2019228717 **AstraZeneca AB** The nature of the amendment is as shown in the statement filed 26 Sep 2024

### 2021

2021213832 **Tensar International Corporation** The nature of the amendment is as shown in the statement filed 24 Sep 2024

2021264846 **SinoCellTech Ltd.** The nature of the amendment is: To amend the applicant name to SinoCellTech Ltd.

2021292116 **SinoCellTech Ltd.** The nature of the amendment is: To amend the applicant name to SinoCellTech Ltd.

2021405498 **TOKAMAK ENERGY LTD; IMPERIAL COLLEGE INNOVATIONS LIMITED** The nature of the amendment is as shown in the statement filed 17 Dec 2024

### 2022

2022487110 **HAGER ELECTRO SAS** The nature of the amendment is: Amend the name of the inventor to read BLAESS, Gerard; HAN, Yonghong; KIBLER, Arnaud; PHILIPPE, Paul; RIGAUD, Julien; WERNER, Dominique; XUPENG, Wang and ZHU, Hongwei

### 2023

2023201173 **Nomad Tackle Pty Ltd** The nature of the amendment is as shown in the statement filed 23 Sep 2024

2023210427 **OAK HILL BIO LIMITED** The nature of the amendment is as shown in the statements filed 06 Aug 2024 and 12 Nov 2024

2023261324 **HUIDAGENE THERAPEUTICS (SINGAPORE) PTE. LTD.** The nature of the amendment is as shown in the statement filed 16 Dec 2024

2023270106 **BELUA BEHEER B.V.** The nature of the amendment is as shown in the statement filed 06 Nov 2024

2023277791 **PRECISION PLANTING LLC** The nature of the amendment is as shown in the statement filed 11 Dec 2024

**Amendments**

2023311603 **ASTELLAS PHARMA INC.** The nature of the amendment is: Amend the invention title to read Heterocyclic compound acting on G12D mutant KRAS protein

**2024**

2024200474 **Cripps Clark, J.; Cripps Clark, J.** The nature of the amendment is: To claim divisional status from 2023204006

2024266912 **FISHER & PAYKEL HEALTHCARE LIMITED** The nature of the amendment is as shown in the statement filed 26 Nov 2024

2024903572 **Ruthrof, K.** The nature of the amendment is: Application is to proceed under the number 2024287109

2024904078 **The Inspired Teacher Co IP Pty Ltd** The nature of the amendment is: Amend the invention title to read DATA COMMUNICATIONS NETWORK AND METHOD FOR IMPROVING A USER LEARNING EXPERIENCE

**Alteration of Name(s) of Applicant(s)/Patentee(s)****2020**

2020103956 Jusand Nominees Pty Ltd The name of the patentee has been altered to **Kutti Bay Investments Pty Ltd**

**2021**

2021104755 Jusand Nominees Pty Ltd The name of the patentee has been altered to **Kutti Bay Investments Pty Ltd**

2021104756 Jusand Nominees Pty Ltd The name of the patentee has been altered to **Kutti Bay Investments Pty Ltd**

# Applications Open to Public Inspection

## Name Index

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

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(71) 1045929 Ontario Limited  
(11) AU-A-2024203961  
(21) 2024203961 (22) 11.06.2024  
(54) Sod harvester with roller conveyor  
(51) Int. Cl.  
**A01G 20/15** ( 2018.01 )  
**B65G 13/02** ( 2006.01 )  
(31) 63/508,710 (32) 16.06.23 (33) US  
(43) 09.01.2025  
(72) BROUWER, Gerardus J.; MILWAIN, Robert; HOPKINS, Evan  
(74) FB Rice Pty Ltd

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(71) Abbott Diabetes Care Inc.  
(11) AU-A-2024278328  
(21) 2024278328 (22) 12.12.2024  
(54) Analysis of glucose median, variability, and hypoglycemia risk for therapy guidance  
(51) Int. Cl.  
**G16H 50/30** ( 2018.01 )  
(43) 09.01.2025  
(62) 2022291499  
(72) DUNN, Timothy C.; DONIGER, Kenneth J.; BERMAN, Glenn; HAYTLER, Gary A.; BUDIMAN, Erwin S.; BERNSTEIN, Daniel M.; CROUTHER, Nathan  
(74) Spruson & Ferguson

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(71) Abiomed, Inc.  
(11) AU-A-2024278353  
(21) 2024278353 (22) 12.12.2024  
(54) Peel away hemostasis valve  
(51) Int. Cl.  
**A61M 39/06** ( 2006.01 )  
**A61M 25/06** ( 2006.01 )  
(43) 09.01.2025  
(62) 2018359898  
(72) KORKUCH, Christopher Nason; FANTUZZI, Glen Robert  
(74) Davies Collison Cave Pty Ltd

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(71) Abiomed, Inc.  
(11) AU-A-2024278462  
(21) 2024278462 (22) 16.12.2024  
(54) Systems and methods for predicting patient health status  
(51) Int. Cl.  
**G16H 20/40** ( 2018.01 )  
**A61M 5/14** ( 2006.01 )  
**G16H 20/17** ( 2018.01 )  
**G16H 50/00** ( 2018.01 )  
(43) 09.01.2025  
(62) 2018389238  
(72) LIU, Chen; KATERJI, Admad El; CORBETT, Scott  
(74) Davies Collison Cave Pty Ltd

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(71) AFL Telecommunications LLC; Fujikura Ltd.  
(11) AU-A-2024278421  
(21) 2024278421 (22) 13.12.2024  
(54) Round and small diameter optical cables with a ribbon-like optical fiber structure  
(51) Int. Cl.  
**G02B 6/44** ( 2006.01 )  
(43) 09.01.2025  
(62) 2023219941  
(72) CIGNARALE, Joseph; BAKER, Doug; HASHIMOTO, Yoshio; OSATO, Ken  
(74) FB Rice Pty Ltd

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**Agenus Inc. see Merck Sharp & Dohme LLC**  
(21) 2024278314

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(71) Air Products and Chemicals, Inc.  
(11) AU-A-2024204046  
(21) 2024204046 (22) 14.06.2024  
(54) APPARATUS AND PROCESS FOR REMOVAL OF HEAVY HYDROCARBONS FROM A FEED GAS  
(51) Int. Cl.  
**B01D 53/053** ( 2006.01 )  
**B01D 53/04** ( 2006.01 )  
**B01D 53/18** ( 2006.01 )  
**C10L 3/10** ( 2006.01 )  
(31) 18/211,374 (32) 19.06.23 (33) US  
(43) 09.01.2025  
(72) Roberts, Mark Julian  
(74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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(71) Allogene Therapeutics, Inc.  
(11) AU-A-2024278090  
(21) 2024278090 (22) 04.12.2024  
(54) Inducible chimeric cytokine receptors  
(51) Int. Cl.  
**C07K 14/715** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
**C07K 14/72** ( 2006.01 )  
**C12N 5/078** ( 2010.01 )  
**C12N 15/62** ( 2006.01 )  
(43) 09.01.2025  
(62) 2019227979  
(72) NAGER, Andrew Ross; PARK, Spencer; CHAPARRO RIGGERS, Javier Fernando; LIN, Regina Junhui; VAN BLARCOM, Thomas John  
(74) Allens Patent & Trade Mark Attorneys

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(71) Alnylam Pharmaceuticals, Inc.  
(11) AU-A-2024227498  
(21) 2024227498 (22) 21.10.2024  
(54) Methods for inhibition of hao1 (hydroxy-acid oxidase 1 (glycolate oxidase) gene expression

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(51) Int. Cl.  
**A61K 31/713** ( 2006.01 )  
**A61K 31/00** ( 2006.01 )  
(43) 09.01.2025  
(62) 2018301829  
(72) ERBE, David V.; MCGREGOR, Tracey L.  
(74) Griffith Hack

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(71) Alnylam Pharmaceuticals, Inc.  
(11) AU-A-2024278345  
(21) 2024278345 (22) 12.12.2024  
(54) Methods and compositions for treating a proprotein convertase subtilisin kexin (PCSK9) gene-associated disorder  
(51) Int. Cl.  
**A61K 31/7115** ( 2006.01 )  
**A61K 31/713** ( 2006.01 )  
**A61P 3/00** ( 2006.01 )  
**A61P 3/06** ( 2006.01 )  
(43) 09.01.2025  
(62) 2022228147  
(72) Fitzgerald, Kevin  
(74) Griffith Hack

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(71) ALSTOM Holdings  
(11) AU-A-2024203981  
(21) 2024203981 (22) 12.06.2024  
(54) System and method for distributing auxiliary power to loads onboard of a train, and train comprising such a system  
(51) Int. Cl.  
**H02J 3/38** ( 2006.01 )  
**B60L 1/00** ( 2006.01 )  
**H02J 3/46** ( 2006.01 )  
(31) 202311040785 (32) 15.06.23 (33) IN  
(43) 09.01.2025  
(72) Vishwanath, Gandhal; Umesh Babu, Veliyambra  
(74) Davies Collison Cave Pty Ltd

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(71) Amazentis SA  
(11) AU-A-2024278443  
(21) 2024278443 (22) 16.12.2024  
(54) Compositions comprising an urolithin compound  
(51) Int. Cl.  
**A23L 2/00** ( 2006.01 )  
**A61K 31/366** ( 2006.01 )  
**A61K 38/01** ( 2006.01 )  
**A61P 21/00** ( 2006.01 )  
**C07D 311/80** ( 2006.01 )  
(43) 09.01.2025  
(62) 2022291500  
(72) Andreux, Penelope; Rinsch, Christopher; Blanco-Bose, William  
(74) FB Rice Pty Ltd

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(71) American Sterilizer Company  
(11) AU-A-2024278558

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Applications Open to Public Inspection - Name Index cont'd

(21) 2024278558 (22) 18.12.2024

(54) Knuckle joint assembly for medical device support system

(51) Int. Cl.

**A61B 90/50** ( 2016.01 )

**A61B 50/28** ( 2016.01 )

**F16D 49/08** ( 2006.01 )

**F16D 49/16** ( 2006.01 )

**F16D 65/06** ( 2006.01 )

**F16M 11/08** ( 2006.01 )

**F16M 11/20** ( 2006.01 )

**F16M 13/02** ( 2006.01 )

(43) 09.01.2025

(62) 2019426889

(72) MOSS, Bernard John; BELLOWS, Lance Clark

(74) WRAYS PTY LTD

(71) AMERICORP INVESTMENTS LLC

(11) AU-A-2024278342

(21) 2024278342 (22) 12.12.2024

(54) BLOCKCHAIN-BASED COMMERCIAL INVENTORY SYSTEMS AND METHODS

(51) Int. Cl.

**G06Q 10/08** ( 2023.01 )

(43) 09.01.2025

(62) 2023208126

(72) Simons, Jordan

(74) PHILLIPS ORMONDE FITZPATRICK

(71) Amgen Inc.

(11) AU-A-2024278180

(21) 2024278180 (22) 06.12.2024

(54) Combined Therapies For Atherosclerosis, Including Atherosclerotic Cardiovascular Disease

(51) Int. Cl.

**C07K 16/40** ( 2006.01 )

**A61K 39/395** ( 2006.01 )

**A61P 3/06** ( 2006.01 )

(43) 09.01.2025

(62) 2017356219

(72) Somaratne, Ransi Mudalinayake; Scott, Robert Andrew Donald; Wasserman, Scott; Honarpour, Narimon; Nicholls, Stephen

(74) WRAYS PTY LTD

(71) Amicus Therapeutics, Inc.

(11) AU-A-2024278298

(21) 2024278298 (22) 11.12.2024

(54) USE OF MIGALASTAT FOR TREATING FABRY DISEASE IN PREGNANT PATIENTS

(51) Int. Cl.

**A61K 31/445** ( 2006.01 )

**A61P 13/12** ( 2006.01 )

(43) 09.01.2025

(62) 2019217868

(72) BARTH, Jay

(74) Dark IP

(71) Ample-Xin Co., Ltd.

(11) AU-A-2024201736

(21) 2024201736 (22) 17.03.2024

(54) Sprinkler

(51) Int. Cl.

**A01G 25/02** ( 2006.01 )

**A62C 35/68** ( 2006.01 )

**B05B 1/20** ( 2006.01 )

(31) 112122212 (32) 14.06.23 (33) TW

(43) 09.01.2025

(72) SHIH, Wei-Ting

(74) A.P.T. Patent and Trade Mark Attorneys

(71) Ancora Heart, Inc.

(11) AU-A-2024278330

(21) 2024278330 (22) 12.12.2024

(54) Myocardial implant load sharing device and methods to promote LV function

(51) Int. Cl.

**A61B 17/04** ( 2006.01 )

**A61F 2/24** ( 2006.01 )

(43) 09.01.2025

(62) 2022256084

(72) SAMPSON, Russel; HENDERSON, Jennifer; CLOSS, Jeff; SAMPSON, Joshua; ADAM, Charles J.

(74) FB Rice Pty Ltd

(71) Angel Group Co., Ltd.

(11) AU-A-2024278523

(21) 2024278523 (22) 17.12.2024

(54) System and method for managing packages of shuffled playing cards

(51) Int. Cl.

**A63F 1/06** ( 2006.01 )

(43) 09.01.2025

(62) 2022283664

(72) SHIGETA, Yasushi

(74) FB Rice Pty Ltd

(71) Apple Inc.

(11) AU-A-2024278497

(21) 2024278497 (22) 17.12.2024

(54) User interfaces for transfer accounts

(51) Int. Cl.

**G06F 21/31** ( 2013.01 )

**G06Q 20/22** ( 2012.01 )

**G06Q 20/32** ( 2012.01 )

**G06Q 20/34** ( 2012.01 )

**G06Q 20/36** ( 2012.01 )

**G06Q 20/40** ( 2012.01 )

**H04L 9/32** ( 2006.01 )

**H04L 29/06** ( 2006.01 )

**H04W 4/80** ( 2018.01 )

**H04W 12/00** ( 2021.01 )

**H04W 12/06** ( 2021.01 )

(43) 09.01.2025

(62) 2023203542

(72) VAN OS, Marcel; CANAVAN, Kristin; CONNOR, Teofila; LEMMENS, Cas; MCLACHLAN, Mischa; DRYER, Allison; FAN, Hanwen; FRANCO, Christine; GRAINGER, Morgan; MELIM, Aaron

(74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.

(11) AU-A-2024278575

(21) 2024278575 (22) 18.12.2024

(54) Methods for manipulating objects in an environment

(51) Int. Cl.

**G06F 3/01** ( 2006.01 )

(43) 09.01.2025

(62) 2024201230

(72) DASCOLA, Jonathan R.; PALANGIE, Alexis Henri; ANTON, Peter D.; LEMAY, Stephen O.; MCKENZIE, Christopher D.; PASTRANA VICENTE, Israel; HENDERSON, Nicholas W.; DARGAN, Dorian D.; RAVASZ, Jonathan; CHIU, Shi-Sang; PERRON, Jonathan; CHEN, Tong; GITTER, Nathan; BOESEL, Benjamin H.; SUSA, Katherine; BAUERLY, Kristi E.

(74) FPA Patent Attorneys Pty Ltd

(71) Aristocrat Technologies Australia Pty Limited

(11) AU-A-2024278385

(21) 2024278385 (22) 13.12.2024

(54) A GAMING MACHINE AND METHOD FOR PROVIDING A FEATURE GAME

(51) Int. Cl.

**A63F 13/55** ( 2014.01 )

**A63F 13/45** ( 2014.01 )

(43) 09.01.2025

(62) 2023202888

(72) Olive, Scott Christopher

(74) James & Wells Intellectual Property

(71) Arrowhead Pharmaceuticals, Inc.

(11) AU-A-2024278418

(21) 2024278418 (22) 13.12.2024

(54) Integrin ligands and uses thereof

(51) Int. Cl.

**A61K 31/7088** ( 2006.01 )

**A61K 31/713** ( 2006.01 )

**A61K 48/00** ( 2006.01 )

**C12N 15/09** ( 2006.01 )

**C12N 15/11** ( 2006.01 )

**C12N 15/113** ( 2010.01 )

(43) 09.01.2025

(62) 2018359515

(72) LI, Zhen; LI, Xiaokai; BUSH, Erik W.; ZHU, Rui; SHU, Dongxu; BENSON, Jonathan; SHAO, Patrick; FOWLER-WATTERS, Matthew

(74) Davies Collison Cave Pty Ltd

(71) Asbestos Reports Australia Pty Limited

(11) AU-A-2024204032

(21) 2024204032 (22) 13.06.2024

(54) GENERATION AND SHARING OF SECURE DATA RECORDS FOR POINT-IN-TIME VERIFICATION OF IDENTITY AND LOCATION, INCLUDING FOR ENABLING ROBUST EVENT RECORDAL

(51) Int. Cl.

**G06Q 50/26** ( 2012.01 )

**G06F 16/955** ( 2019.01 )

**G06F 21/32** ( 2013.01 )

**G06F 21/42** ( 2013.01 )

**G06F 21/44** ( 2013.01 )

**G06F 21/62** ( 2013.01 )

**G06F 21/64** ( 2013.01 )

**G06Q 20/40** ( 2012.01 )

**G06Q 30/018** ( 2023.01 )

**G06V 40/00** ( 2022.01 )

Applications Open to Public Inspection - Name Index cont'd

**H04L 9/32** ( 2006.01 )  
**H04W 4/02** ( 2018.01 )  
**H04W 12/06** ( 2021.01 )  
**G06K 19/06** ( 2006.01 )  
**(31)** 2023901859 **(32)** 13.06.23 **(33)** AU  
2024901501 22.05.24 AU  
2024901502 22.05.24 AU  
**(43)** 09.01.2025  
**(72)** Dobrow, Wal  
**(74)** FORWARD INTELLECTUAL PROP-  
ERTY PTY LTD

**(71)** Asbestos Reports Australia Pty Limited  
**(11)** AU-A-2024204034  
**(21)** 2024204034 **(22)** 13.06.2024

**(54)** GENERATION AND SHARING OF SE-  
CURE DATA RECORDS FOR POINT-  
IN-TIME VERIFICATION OF IDEN-  
TITY AND LOCATION, INCLUDING  
FOR ENABLING ROBUST IDENTITY  
EXCHANGE, PROCESS FOR RO-  
BUST IDENTITY EXCHANGE VIA EX-  
TERNAL USER VERIFICATION PRO-  
CESS WHICH GENERATES UNIQUE  
CHECK-IN EVENT DATA

**(51)** Int. Cl.  
**G06Q 50/26** ( 2012.01 )  
**G06F 16/14** ( 2019.01 )  
**G06F 16/955** ( 2019.01 )  
**G06F 21/32** ( 2013.01 )  
**G06F 21/42** ( 2013.01 )  
**G06F 21/62** ( 2013.01 )  
**G06F 21/64** ( 2013.01 )  
**G06Q 30/018** ( 2023.01 )  
**H04L 9/32** ( 2006.01 )  
**H04W 4/02** ( 2018.01 )  
**G06K 19/06** ( 2006.01 )

**(31)** 2023901859 **(32)** 13.06.23 **(33)** AU  
2024901501 22.05.24 AU  
2024901502 22.05.24 AU  
**(43)** 09.01.2025  
**(72)** DOBROW, WAL  
**(74)** FORWARD INTELLECTUAL PROP-  
ERTY PTY LTD

**(71)** Ascendis Pharma A/S  
**(11)** AU-A-2024267047  
**(21)** 2024267047 **(22)** 29.11.2024  
**(54)** Degradable hyaluronic acid hydrogels

**(51)** Int. Cl.  
**A61K 47/61** ( 2017.01 )  
**A61K 47/69** ( 2017.01 )

**(43)** 09.01.2025  
**(62)** 2019348440  
**(72)** STARK, Sebastian; LAUFER,  
Burkhardt; KNAPPE, Thomas; VOIGT,  
Tobias; BISEK, Nicola  
**(74)** Pizzeyes Patent and Trade Mark Attor-  
neys Pty Ltd

**Aurigene Oncology Limited see Curis, Inc**  
**(21)** 2024278442

**(71)** AUSTRACK EQUIPMENT PTY LTD  
**(11)** AU-A-2024203635  
**(21)** 2024203635 **(22)** 30.05.2024

**(54)** VACUUM LIFTING DEVICE AND SYS-  
TEM  
**(51)** Int. Cl.  
**B25J 15/06** ( 2006.01 )  
**B25J 5/00** ( 2006.01 )  
**B25J 13/08** ( 2006.01 )  
**B25J 18/04** ( 2006.01 )  
**B25J 19/00** ( 2006.01 )  
**B25J 19/06** ( 2006.01 )  
**B66C 1/02** ( 2006.01 )  
**(31)** 2023901930 **(32)** 19.06.23 **(33)** AU  
**(43)** 09.01.2025  
**(72)** BENSON, Michael  
**(74)** FOUNDRY INTELLECTUAL PROP-  
ERTY PTY LTD

**(71)** BAMBINO PREZIOSO SWITZERLAND  
AG

**(11)** AU-A-2024278574  
**(21)** 2024278574 **(22)** 18.12.2024  
**(54)** Indicator assembly of a supporting leg  
device for a safety seat and safety seat  
**(51)** Int. Cl.  
**B60N 2/28** ( 2006.01 )  
**(43)** 09.01.2025  
**(62)** 2022206352  
**(72)** ZHANG, Daliang; FANG, Ganqing  
**(74)** Allens Patent & Trade Mark Attorneys

**(71)** Barro Group Pty Ltd  
**(11)** AU-A-2023237203  
**(21)** 2023237203 **(22)** 30.09.2023  
**(54)** Concrete composition  
**(51)** Int. Cl.  
**C04B 28/08** ( 2006.01 )  
**C04B 111/00** ( 2006.01 )  
**(31)** 2023901922 **(32)** 18.06.23 **(33)** AU  
**(43)** 09.01.2025  
**(72)** Kovacs, Thomas; Katiforis, Nick  
**(74)** BOSH IP Pty Ltd

**(71)** Barro Group Pty Ltd  
**(11)** AU-A-2023258436  
**(21)** 2023258436 **(22)** 03.11.2023  
**(54)** Concrete composition  
**(51)** Int. Cl.  
**C04B 28/08** ( 2006.01 )  
**C04B 111/00** ( 2006.01 )  
**(31)** 2023901922 **(32)** 18.06.23 **(33)** AU  
**(43)** 09.01.2025  
**(72)** Nick Katiforis; Thomas Kovacs  
**(74)** BOSH IP Pty Ltd

**(71)** BASF Agricultural Solutions Seed US  
LLC  
**(11)** AU-A-2023203793  
**(21)** 2023203793 **(22)** 16.06.2023  
**(54)** Canola hybrid variety AN22LR008  
**(51)** Int. Cl.  
**A01H 6/20** ( 2018.01 )  
**(43)** 09.01.2025  
**(72)** Pike, David Keith; Davey, Timothy  
**(74)** Davies Collison Cave Pty Ltd

**(71)** BASF Agricultural Solutions Seed US  
LLC  
**(11)** AU-A-2023203797  
**(21)** 2023203797 **(22)** 16.06.2023  
**(54)** Canola hybrid variety AN22LR007  
**(51)** Int. Cl.  
**A01H 6/20** ( 2018.01 )  
**(43)** 09.01.2025  
**(72)** Pike, David Keith; Davey, Timothy  
**(74)** Davies Collison Cave Pty Ltd

**Baxter Healthcare SA see Baxter Interna-  
tional Inc.**  
**(21)** 2024278414

**Baxter Healthcare SA see Baxter Interna-  
tional Inc.**  
**(21)** 2024278522

**(71)** Baxter International Inc.; Baxter Health-  
care SA  
**(11)** AU-A-2024278414  
**(21)** 2024278414 **(22)** 13.12.2024  
**(54)** MODULAR MEDICAL FLUID MAN-  
AGEMENT ASSEMBLIES AND ASSO-  
CIATED MACHINES AND METHODS  
**(51)** Int. Cl.  
**A61M 1/14** ( 2006.01 )  
**A61M 1/16** ( 2006.01 )  
**A61M 1/34** ( 2006.01 )  
**A61M 1/36** ( 2006.01 )  
**A61M 39/10** ( 2006.01 )  
**A61M 39/22** ( 2006.01 )  
**F04B 43/06** ( 2006.01 )  
**F16K 99/00** ( 2006.01 )  
**(43)** 09.01.2025  
**(62)** 2018345627  
**(72)** LOS, Oleg  
**(74)** K&L Gates

**(71)** Baxter International Inc.; Baxter Health-  
care SA  
**(11)** AU-A-2024278522  
**(21)** 2024278522 **(22)** 17.12.2024  
**(54)** MEDICAL FLUID THERAPY MACHINE  
INCLUDING SERVICING REGIME  
THEREFORE  
**(51)** Int. Cl.  
**G06F 17/00** ( 2019.01 )  
**(43)** 09.01.2025  
**(62)** 2023200292  
**(72)** Oppegard, Shawn Collin; Barten, Marc  
Alexander  
**(74)** K&L Gates

**(71)** Bayer CropScience LP  
**(11)** AU-A-2024278508  
**(21)** 2024278508 **(22)** 17.12.2024  
**(54)** Methods and Agricultural Compositions  
for Preventing or Controlling Plant Dis-  
eases  
**(51)** Int. Cl.  
**A01N 63/20** ( 2020.01 )  
**C05F 11/08** ( 2006.01 )  
**C12R 1/12** ( 2006.01 )

## Applications Open to Public Inspection - Name Index cont'd

(43) 09.01.2025  
(62) 2022204835  
(72) GUAN, Shaohua; RAJBANSHI, Sashi Shankar; HILL, Curtis Brian  
(74) Davies Collison Cave Pty Ltd

(71) Bechtel Energy Technologies & Solutions, Inc.  
(11) AU-A-2024278478  
(21) 2024278478 (22) 16.12.2024  
(54) SYSTEMS AND METHODS FOR REMOVING CARBON DIOXIDE FROM A COMBUSTION FLUE GAS AND/OR AIR  
(51) Int. Cl.  
B01D 53/46 ( 2006.01 )  
B01D 53/34 ( 2006.01 )  
B01D 53/62 ( 2006.01 )  
B01D 53/00 ( 2006.01 )  
(43) 09.01.2025  
(62) 2022306665  
(72) Kimtantis, Charles L.  
(74) PHILLIPS ORMONDE FITZPATRICK

(71) Beijing Institute of Technology  
(11) AU-A-2024201598  
(21) 2024201598 (22) 12.03.2024  
(54) GEL-TYPE ICE AND SNOW MATERIAL AND PREPARATION METHOD AND USE THEREOF  
(51) Int. Cl.  
C09K 5/08 ( 2006.01 )  
(31) 202310700313.7 (32) 13.06.23 (33) CN  
(43) 09.01.2025  
(72) ZHANG, Kai; ZUO, Lei; ZHU, Wenbo  
(74) Origin Patent and Trade Mark Attorneys

(71) Bioverativ Therapeutics Inc.  
(11) AU-A-2024278509  
(21) 2024278509 (22) 17.12.2024  
(54) Methods of treating hemophilic arthropathy using chimeric clotting factors  
(51) Int. Cl.  
A61K 38/48 ( 2006.01 )  
A61K 38/37 ( 2006.01 )  
A61P 7/04 ( 2006.01 )  
(43) 09.01.2025  
(62) 2017366709  
(72) Dumont, Jennifer; Jain, Nisha; Glazebrook, Desilu  
(74) Griffith Hack

(71) BLANCO GmbH + Co KG  
(11) AU-A-2024204074  
(21) 2024204074 (22) 14.06.2024  
(54) Sanitary Fitting And Method For Dispensing A Liquid Using A Sanitary Fitting  
(51) Int. Cl.  
E03C 1/05 ( 2006.01 )  
F16K 31/02 ( 2006.01 )  
G01D 5/24 ( 2006.01 )  
G01F 23/263 ( 2022.01 )  
(31) 10 2023 205 638.0 (32) 15.06.23 (33) DE

(43) 09.01.2025  
(72) KUCH, Oliver; KAYA, Özkan; HEPFER, Judith; TEICHMANN, André  
(74) WRAYS PTY LTD

(71) Block, Inc.  
(11) AU-A-2024278493  
(21) 2024278493 (22) 17.12.2024  
(54) Embedded card reader security  
(51) Int. Cl.  
G06Q 20/20 ( 2012.01 )  
G06Q 20/32 ( 2012.01 )  
G06Q 20/38 ( 2012.01 )  
G06Q 20/40 ( 2012.01 )  
G07F 7/08 ( 2006.01 )  
G07F 7/10 ( 2006.01 )  
(43) 09.01.2025  
(62) 2022226110  
(72) CAT, Murat; MUNAIM, Murtaza; AY-DENIZ, Gokhan; RUSHING, Conrad  
(74) FB Rice Pty Ltd

(71) Boston Scientific Scimed, Inc.  
(11) AU-A-2024278363  
(21) 2024278363 (22) 12.12.2024  
(54) Methods and devices for gamma correction  
(51) Int. Cl.  
A61B 1/00 ( 2006.01 )  
A61B 1/05 ( 2006.01 )  
G06T 5/00 ( 2006.01 )  
(43) 09.01.2025  
(62) 2021322189  
(72) FETTINGER, Nathan S.; PROTAS, Matthew; DINGMAN, Phillip C.; ZAPPIA Jr., Thomas M.; CHEN, Longquan  
(74) Spruson & Ferguson

(71) Breville Pty Limited  
(11) AU-A-2024278475  
(21) 2024278475 (22) 16.12.2024  
(54) A milk frothing device  
(51) Int. Cl.  
A47J 43/07 ( 2006.01 )  
A01J 11/04 ( 2006.01 )  
A47J 43/044 ( 2006.01 )  
A47J 43/046 ( 2006.01 )  
(43) 09.01.2025  
(62) 2018363873  
(72) HELLMERS, Duncan Bruce; BAEZ AL-VAREZ, Giovanni; OLIVERIA, Norman; WHITE, Gerard Andrew  
(74) GLMR

(71) CANARY MEDICAL INC.  
(11) AU-A-2024278542  
(21) 2024278542 (22) 18.12.2024  
(54) IMPLANTABLE REPORTING PROCESSOR FOR AN ALERT IMPLANT  
(51) Int. Cl.  
A61B 5/00 ( 2006.01 )  
A61B 5/103 ( 2006.01 )  
(43) 09.01.2025  
(62) 2022218640  
(72) BAILEY, Stephen M.; DESAKI, Aimee L.; BENSCH, Douglas; BRAJER, Douglas; CUSHNER, Fred; GROSS,

Jeffrey M.; HARTE, Winslow T.; HEL-SETH, Nicholas H.; HERRIN, David A.; HUNTER, William L.; KEEN-AN, Dermot; MORALES, George A.; MURPHY, Shane; TROUPE, Curtis; RAITT, Stephen; SNOPEK, Thomas  
(74) AJ PARK

(71) Canon Kabushiki Kaisha  
(11) AU-A-2024278399  
(21) 2024278399 (22) 13.12.2024  
(54) Cartridge, process cartridge, and electrophotographic image generation device  
(51) Int. Cl.  
G03G 21/18 ( 2006.01 )  
G03G 15/08 ( 2006.01 )  
(43) 09.01.2025  
(62) 2023233212  
(72) SATO, Masaaki; YAMASHITA, Masatoshi; NISHIYA, Satoshi; KANNO, Kazuhiko  
(74) Spruson & Ferguson

(71) Canva Pty Ltd  
(11) AU-A-2024278348  
(21) 2024278348 (22) 12.12.2024  
(54) Systems and methods for processing designs  
(51) Int. Cl.  
G06T 11/60 ( 2006.01 )  
G06F 40/114 ( 2020.01 )  
G06F 40/14 ( 2020.01 )  
G06F 40/177 ( 2020.01 )  
G06F 40/186 ( 2020.01 )  
G06F 40/189 ( 2020.01 )  
G06F 3/0483 ( 2013.01 )  
G06F 40/106 ( 2020.01 )  
(43) 09.01.2025  
(62) 2023210533  
(72) NOTHMAN, Joel; PARKINSON, Sam Luke Fancourt  
(74) FPA Patent Attorneys Pty Ltd

(71) CareFusion 303, Inc.  
(11) AU-A-2024278464  
(21) 2024278464 (22) 16.12.2024  
(54) Module connectors for infusion pump systems  
(51) Int. Cl.  
A61M 5/14 ( 2006.01 )  
H01R 13/22 ( 2006.01 )  
H01R 13/24 ( 2006.01 )  
H01R 13/52 ( 2006.01 )  
H01R 13/627 ( 2006.01 )  
(43) 09.01.2025  
(62) 2019222740  
(72) GOOD, Lee Alan; DODGE, Santiago Roman; TORO, Daniel Alexi; MOORE, Austin; SCHIEVE, Eric W.  
(74) FB Rice Pty Ltd

(71) Castawall Australia Pty Ltd  
(11) AU-A-2024278335  
(21) 2024278335 (22) 12.12.2024  
(54) Support Structure Assembly  
(51) Int. Cl.

## Applications Open to Public Inspection - Name Index cont'd

- E04G 11/06** ( 2006.01 )  
**E04B 2/86** ( 2006.01 )  
**E04B 2/90** ( 2006.01 )  
**E04G 17/02** ( 2006.01 )  
**E04G 17/04** ( 2006.01 )  
**E04G 17/06** ( 2006.01 )  
**(43)** 09.01.2025  
**(62)** 2019297201  
**(72)** TOLUK, Mel; TOLUK, Berk; RICHARDSON, Alexander Stewart; BOYLE, Natasha Elizabeth  
**(74)** MEYER WEST IP
- 
- (71)** CATERPILLAR INC.  
**(11)** AU-A-2024203419  
**(21)** 2024203419 **(22)** 22.05.2024  
**(54)** CONTROL OF A MACHINE TO END A WINDROW  
**(51)** Int. Cl.  
**E02F 3/815** ( 2006.01 )  
**E02F 3/84** ( 2006.01 )  
**(31)** 18/334855 **(32)** 14.06.23 **(33)** US  
**(43)** 09.01.2025  
**(72)** GENTLE, Michael C.; TEVIS, Ethan M.; HAYES, Joshua T.  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** CATERPILLAR INC.  
**(11)** AU-A-2024278400  
**(21)** 2024278400 **(22)** 13.12.2024  
**(54)** Ground engaging tool wear and loss detection system and method  
**(51)** Int. Cl.  
**G06V 10/25** ( 2022.01 )  
**E02F 9/00** ( 2006.01 )  
**E02F 9/28** ( 2006.01 )  
**G06V 10/40** ( 2022.01 )  
**G06V 10/44** ( 2022.01 )  
**G06V 10/70** ( 2022.01 )  
**G06V 10/764** ( 2022.01 )  
**G06V 10/82** ( 2022.01 )  
**G06V 20/64** ( 2022.01 )  
**(43)** 09.01.2025  
**(62)** 2022219034  
**(72)** MIANZO, Lawrence A.; OBLAK, Tod A.; PLOUZEK, John M.; MATHEW, Shawn Nainan; WISE, Raymond Alan  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** CFPH, L.L.C.  
**(11)** AU-A-2024278423  
**(21)** 2024278423 **(22)** 13.12.2024  
**(54)** Methods and apparatus for electronic file use and management  
**(51)** Int. Cl.  
**A61N 1/04** ( 2006.01 )  
**G06Q 30/00** ( 2023.01 )  
**H04K 1/00** ( 2006.01 )  
**(43)** 09.01.2025  
**(62)** 2022291614  
**(72)** LUTNICK, Howard W.; ALDERUCCI, Dean P.  
**(74)** FB Rice Pty Ltd
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- (71)** CFPH, L.L.C.  
**(11)** AU-A-2024278525  
**(21)** 2024278525 **(22)** 17.12.2024
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- (54)** Document changes  
**(51)** Int. Cl.  
**G06F 17/00** ( 2019.01 )  
**(43)** 09.01.2025  
**(62)** 2023201508  
**(72)** ALDERUCCI, Dean P.; GELMAN, Geoffrey M.; MANNING, Gregory; BRINTON, Michael D.  
**(74)** FB Rice Pty Ltd
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- (71)** CFPH, LLC  
**(11)** AU-A-2024278379  
**(21)** 2024278379 **(22)** 13.12.2024  
**(54)** Game broker  
**(51)** Int. Cl.  
**G06Q 40/00** ( 2023.01 )  
**G06Q 99/00** ( 2006.01 )  
**(43)** 09.01.2025  
**(62)** 2023201751  
**(72)** LUTNICK, Howard W.; GELMAN, Geoffrey M.  
**(74)** Spruson & Ferguson
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- (71)** CHEP Technology Pty Limited  
**(11)** AU-A-2024278358  
**(21)** 2024278358 **(22)** 12.12.2024  
**(54)** Dolly  
**(51)** Int. Cl.  
**B65D 19/42** ( 2006.01 )  
**B60B 33/00** ( 2006.01 )  
**B62B 3/16** ( 2006.01 )  
**B62B 5/00** ( 2006.01 )  
**B65D 19/44** ( 2006.01 )  
**(43)** 09.01.2025  
**(62)** 2022246452  
**(72)** TAKYAR, Sanjiv; WESSON, Karl Michael; COPE, Andy  
**(74)** FB Rice Pty Ltd
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- (71)** CloudBlue LLC  
**(11)** AU-A-2024278304  
**(21)** 2024278304 **(22)** 11.12.2024  
**(54)** SYSTEM AND METHOD OF DIGITAL PRODUCT ONBOARDING AND DISTRIBUTION USING THE CLOUD SERVICE BROKERAGE INFRASTRUCTURE  
**(51)** Int. Cl.  
**G06Q 30/00** ( 2023.01 )  
**G06F 9/54** ( 2006.01 )  
**G06F 15/16** ( 2006.01 )  
**G06F 15/173** ( 2006.01 )  
**(43)** 09.01.2025  
**(62)** 2019413433  
**(72)** BOTE, Marc Serrat; KUZKIN, Maxim; GREBENSCHIKOV, Vladimir; WIPICH, David  
**(74)** RnB IP
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- (71)** Clover Network, LLC  
**(11)** AU-A-2024278441  
**(21)** 2024278441 **(22)** 16.12.2024  
**(54)** Dual device point of sale system using short-range wireless connection  
**(51)** Int. Cl.  
**G06Q 20/32** ( 2012.01 )  
**G06F 16/93** ( 2019.01 )
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- H04W 4/80** ( 2018.01 )  
**(43)** 09.01.2025  
**(62)** 2020220226  
**(72)** JAMES, Daniel A.; HAMPTON, Michael Reed; WILLIAMS, Blake  
**(74)** Spruson & Ferguson
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- (71)** COAS CO., LTD.  
**(11)** AU-A-2023222874  
**(21)** 2023222874 **(22)** 30.08.2023  
**(54)** CONVEYOR SYSTEM FOR EASILY DISCHARGING LOADS OF DUMP TRUCK AND CONTROL METHOD THEREOF  
**(51)** Int. Cl.  
**B65G 67/24** ( 2006.01 )  
**B60P 1/36** ( 2006.01 )  
**(31)** 10-2023-0077639 **(32)** 16.06.23 **(33)** KR  
**(43)** 09.01.2025  
**(72)** LEE, Do Hun  
**(74)** LAMINAR IP PTY LTD
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- (71)** Colgate-Palmolive Company  
**(11)** AU-A-2024278550  
**(21)** 2024278550 **(22)** 18.12.2024  
**(54)** Oral hydrogel compositions and uses  
**(51)** Int. Cl.  
**A61K 8/04** ( 2006.01 )  
**A61K 8/86** ( 2006.01 )  
**A61P 1/02** ( 2006.01 )  
**A61Q 11/00** ( 2006.01 )  
**(43)** 09.01.2025  
**(62)** 2021376273  
**(72)** MANUS, Lisa; STEELE, Joseph; PICQUET, Guillaume; PADULA, Christine; CHEN, Dandan; WON, Betty; POTANIN, Andrei  
**(74)** Spruson & Ferguson
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- Commonwealth Scientific and Industrial Research Organisation see The Boeing Company**  
**(21)** 2024202440
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- (71)** Control Systems Technology Pty Ltd  
**(11)** AU-A-2024278384  
**(21)** 2024278384 **(22)** 13.12.2024  
**(54)** Sealing arrangement for idler rollers used in weighing roller belts  
**(51)** Int. Cl.  
**B65G 39/09** ( 2006.01 )  
**G01G 11/04** ( 2006.01 )  
**(43)** 09.01.2025  
**(62)** 2019248219  
**(72)** LILLINGTON, Paul Evan  
**(74)** Davies Collison Cave Pty Ltd
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- Cooper, F. see RevAir, LLC**  
**(21)** 2024278545
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- (71)** Curis, Inc; Aurigene Oncology Limited  
**(11)** AU-A-2024278442  
**(21)** 2024278442 **(22)** 16.12.2024  
**(54)** Conjoint therapies for immunomodulation

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**A61K 45/06** ( 2006.01 )  
**A61K 31/4245** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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RAMACHANDRA, Raghuvier Kalla-  
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Timothy L.  
(74) Pearce IP Pty Ltd
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- (71) Deere & Company  
(11) AU-A-2024203111  
(21) 2024203111 (22) 10.05.2024  
(54) Supplemental air attachment in a clean-  
ing system of a sugarcane harvester  
(51) Int. Cl.  
**A01D 45/10** ( 2006.01 )  
**B07B 4/02** ( 2006.01 )  
(31) 18/210459 (32) 15.06.23 (33) US  
(43) 09.01.2025  
(72) Cazenave, Blain J.  
(74) Davies Collision Cave Pty Ltd
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- (71) Dexcom, Inc.  
(11) AU-A-2024278339  
(21) 2024278339 (22) 12.12.2024  
(54) Biointerface layer for analyte sensors  
(51) Int. Cl.  
**B05C 9/12** ( 2006.01 )  
**C12Q 1/58** ( 2006.01 )  
**G01N 27/26** ( 2006.01 )  
(43) 09.01.2025  
(62) 2022218567  
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in; WANG, Shanger; ZOU, Jiong  
(74) FB Rice Pty Ltd
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- (71) Dolby International AB  
(11) AU-A-2024278519  
(21) 2024278519 (22) 17.12.2024  
(54) Integration of high frequency recon-  
struction techniques with reduced post-  
processing delay  
(51) Int. Cl.  
**G10L 21/038** ( 2013.01 )  
**G10L 19/18** ( 2013.01 )  
**G10L 21/02** ( 2013.01 )  
(43) 09.01.2025  
(62) 2023203912  
(72) KJOERLING, Kristofer; VILLEMOS,  
Lars; PURNHAGEN, Heiko; EK-  
STRAND, Per  
(74) Spruson & Ferguson
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- Dolle, R. see Tucker, S.  
(21) 2024278368
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- (71) Dottac Pty Ltd  
(11) AU-A-2024204054  
(21) 2024204054 (22) 14.06.2024  
(54) A Tactile Indicator  
(51) Int. Cl.  
**G09B 21/00** ( 2006.01 )
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2024900782 22.03.24 AU  
(43) 09.01.2025  
(72) Farah, Albert  
(74) Integrated IP
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- (71) Dragonfly Therapeutics, Inc.  
(11) AU-A-2024278313  
(21) 2024278313 (22) 11.12.2024  
(54) Proteins binding NKG2D, CD16 and a  
tumor-associated antigen  
(51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**C12N 5/0783** ( 2010.01 )  
(43) 09.01.2025  
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PRINZ, Bianca; GRINBERG, Asya  
(74) Spruson & Ferguson
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- (71) Ecolab USA Inc.  
(11) AU-A-2024278526  
(21) 2024278526 (22) 17.12.2024  
(54) Pump chemical compatibility manage-  
ment system  
(51) Int. Cl.  
**G06Q 10/10** ( 2023.01 )  
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(62) 2019222996  
(72) NAHIDINO, Massoud; SCHWEBLE,  
Martin  
(74) Spruson & Ferguson
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- (71) Edwards Lifesciences Corporation  
(11) AU-A-2024278396  
(21) 2024278396 (22) 13.12.2024  
(54) Heart valve sealing devices and deliv-  
ery devices therefor  
(51) Int. Cl.  
**A61F 2/24** ( 2006.01 )  
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Grant Matthew; DIXON, Eric Robert;  
KWON, Yoon Hee; POPP, Michael  
J.; DELGADO, Sergio; FRESCHAUF,  
Lauren R.; GOHRES, Rachel Ann;  
FOREMAN, Rachel Liat David  
(74) Spruson & Ferguson
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- (71) Electriq-Global Energy Solutions Ltd.  
(11) AU-A-2024278341  
(21) 2024278341 (22) 12.12.2024  
(54) A HYDROGEN REACTOR WITH  
CATALYST IN FLOW CONDUIT  
(51) Int. Cl.  
**B01J 16/00** ( 2006.01 )  
**B01J 19/24** ( 2006.01 )  
**C01B 3/06** ( 2006.01 )  
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(62) 2019253959  
(72) Zilberman, Alexander; Futerman, Ro-  
man; Nevo-Michrowski, Guy  
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Elektrofi, Inc.  
(11) AU-A-2024278391  
(21) 2024278391 (22) 13.12.2024  
(54) Particles comprising a therapeutic or  
diagnostic agent and suspensions and  
methods of use thereof  
(51) Int. Cl.  
**B01J 13/04** ( 2006.01 )  
**B05B 5/00** ( 2006.01 )  
**B05B 5/025** ( 2006.01 )  
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Brown, Paul; Dadon, Daniel Benjamin;  
Liu, Lisa; Robinson, Cory  
(74) Pizzeys Patent and Trade Mark Attor-  
neys Pty Ltd
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- (71) Endo Ventures Limited  
(11) AU-A-2024278544  
(21) 2024278544 (22) 18.12.2024  
(54) Improved method of producing colla-  
genase  
(51) Int. Cl.  
**C12N 9/52** ( 2006.01 )  
**A61K 38/48** ( 2006.01 )  
**C07K 14/33** ( 2006.01 )  
(43) 09.01.2025  
(62) 2018244426  
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chael; Hanna, John; Dziadosz, Jason;  
Shanafelt, Daniel  
(74) Pizzeys Patent and Trade Mark Attor-  
neys Pty Ltd
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- (71) ESS Tech, Inc.  
(11) AU-A-2024278397  
(21) 2024278397 (22) 13.12.2024  
(54) Cost-Efficient High Energy Density  
Redox Flow Battery  
(51) Int. Cl.  
**H01M 8/18** ( 2006.01 )  
**H01M 8/1018** ( 2016.01 )  
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(62) 2019317604  
(72) SONG, Yang; EVANS, Craig E.  
(74) WRAYS PTY LTD
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- (71) Exel Industries  
(11) AU-A-2024203432  
(21) 2024203432 (22) 23.05.2024  
(54) Method for controlling the circulation of  
a fluid in a spraying system  
(51) Int. Cl.  
**B05B 12/00** ( 2018.01 )  
**B05B 12/08** ( 2006.01 )  
**G01F 1/00** ( 2022.01 )  
**G01F 1/34** ( 2006.01 )  
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(72) DEBOISSIEU, Cyril; DIJOUX, David  
(74) Alder IP Pty Ltd
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(11) AU-A-2024259698  
(21) 2024259698 (22) 01.11.2024

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(51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**C07K 16/40** ( 2006.01 )  
(43) 09.01.2025  
(62) 2019410073  
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(74) Griffith Hack
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- (71) FAR EAST BIO-TEC CO., LTD.  
(11) AU-A-2024278392  
(21) 2024278392 (22) 13.12.2024  
(54) CYANOBACTERIAL EXTRACTS, PROCESSES FOR PREPARING THE SAME AND USES THEREOF  
(51) Int. Cl.  
**C12N 1/02** ( 2006.01 )  
**A61K 35/00** ( 2006.01 )  
**C12N 1/06** ( 2006.01 )  
(43) 09.01.2025  
(62) 2018325520  
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(74) LAMINAR IP PTY LTD
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- (71) FISHER & PAYKEL HEALTHCARE LIMITED  
(11) AU-A-2024278332  
(21) 2024278332 (22) 12.12.2024  
(54) HEADGEAR FOR USE WITH A PATIENT INTERFACE OF A RESPIRATORY THERAPY SYSTEM  
(51) Int. Cl.  
**A61M 16/06** ( 2006.01 )  
(43) 09.01.2025  
(62) 2019250645  
(72) DUTHIE, Neil Gray  
(74) AJ PARK
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- (71) FISHER & PAYKEL HEALTHCARE LIMITED  
(11) AU-A-2024278481  
(21) 2024278481 (22) 16.12.2024  
(54) OSAIF - PILAIRO II - Headgear with Removable Crown Strap  
(51) Int. Cl.  
**A61M 16/06** ( 2006.01 )  
(43) 09.01.2025  
(62) 2022200259  
(72) WALLS, Bruce Michael; FAITHFULL, Rex Gordon; HUANG, Wen Dong; GARDIOLA, Arvin San Jose; YOUNG, Jeremy Owen  
(74) AJ PARK
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- (71) Fitzgerald, J.  
(11) AU-A-2023204644
- (21) 2023204644 (22) 13.07.2023  
(54) PRV Trailer  
(51) Int. Cl.  
**E03B 7/07** ( 2006.01 )  
**B62D 63/06** ( 2006.01 )  
**B60D 1/62** ( 2006.01 )  
**B62D 63/08** ( 2006.01 )  
(31) 2023901846 (32) 12.06.23 (33) AU  
(43) 09.01.2025  
(72) Fitzgerald, Joel  
(74) Joel Patrick Fitzgerald
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- (71) Fivecast Pty Ltd  
(11) AU-A-2024278366  
(21) 2024278366 (22) 12.12.2024  
(54) METHOD AND SYSTEM FOR RISK DETERMINATION  
(51) Int. Cl.  
**G06Q 50/00** ( 2012.01 )  
**G06Q 10/00** ( 2023.01 )  
**G06Q 99/00** ( 2006.01 )  
(43) 09.01.2025  
(62) 2018435480  
(72) BUGLAK, Rostyslav; BLOCKOW, David; LOWRY, Matthew; LANE, Aaron; COOPER, Brenton  
(74) Madderns Pty Ltd
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- (71) FLSMIDTH A/S  
(11) AU-A-2024278501  
(21) 2024278501 (22) 17.12.2024  
(54) Lifting apparatus and method for hoisting a gyratory crusher spider  
(51) Int. Cl.  
**B66C 1/10** ( 2006.01 )  
(43) 09.01.2025  
(62) 2022209478  
(72) MULLER, Chris  
(74) FPA Patent Attorneys Pty Ltd
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- (71) Fresenius Kabi USA, LLC  
(11) AU-A-2024203977  
(21) 2024203977 (22) 12.06.2024  
(54) Automatic configuration for infusion system  
(51) Int. Cl.  
**H04B 7/00** ( 2006.01 )  
**A61M 5/142** ( 2006.01 )  
**A61M 5/168** ( 2006.01 )  
**H04W 4/80** ( 2018.01 )  
(31) 63/507,760 (32) 13.06.23 (33) US  
(43) 09.01.2025  
(72) PASTORE, Christopher; MICHAELS, Ian  
(74) Spruson & Ferguson
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- Fujikura Ltd. see AFL Telecommunications LLC  
(21) 2024278421
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- (71) Gambro Lundia AB  
(11) AU-A-2024278557  
(21) 2024278557 (22) 18.12.2024  
(54) System and method for extracorporeal blood treatment  
(51) Int. Cl.
- A61M 1/16** ( 2006.01 )  
(43) 09.01.2025  
(62) 2021286159  
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(74) Griffith Hack
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- (71) Getac Technology Corporation  
(11) AU-A-2023254990  
(21) 2023254990 (22) 26.10.2023  
(54) Fan speed control method and device  
(51) Int. Cl.  
**F04D 27/00** ( 2006.01 )  
**F04D 25/08** ( 2006.01 )  
**G06F 1/20** ( 2006.01 )  
(31) 202310699543.6 (32) 14.06.23 (33) CN  
(43) 09.01.2025  
(72) CHAN, Hao-Wei  
(74) A.P.T. Patent and Trade Mark Attorneys
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- (71) Gilead Sciences, Inc.  
(11) AU-A-2024227754  
(21) 2024227754 (22) 30.10.2024  
(54) HIV vaccines and methods of making and using  
(51) Int. Cl.  
**A61K 39/21** ( 2006.01 )  
**C07K 14/16** ( 2006.01 )  
(43) 09.01.2025  
(62) 2020315598  
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(74) Davies Collison Cave Pty Ltd
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- (71) Gozney Group Limited  
(11) AU-A-2024203987  
(21) 2024203987 (22) 12.06.2024  
(54) Open-flame oven  
(51) Int. Cl.  
**A47J 37/06** ( 2006.01 )  
**A21B 1/42** ( 2006.01 )  
**A47J 37/10** ( 2006.01 )  
(31) 2308784.4 (32) 13.06.23 (33) GB  
(43) 09.01.2025  
(72) GOZNEY, Thomas Robert Llewelyn; WELTON, Patrick  
(74) FB Rice Pty Ltd
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- (71) GREENING INVESTMENTS PTY LTD  
(11) AU-A-2024278374  
(21) 2024278374 (22) 13.12.2024  
(54) Needle for harvesting human eggs  
(51) Int. Cl.  
**A61B 17/435** ( 2006.01 )  
(43) 09.01.2025  
(62) 2019277200  
(72) GREENING, David  
(74) Allens Patent & Trade Mark Attorneys
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- GUANGDONG HYBRIBIO BIOTECH CO., LTD. see GUANGZHOU HYBRIBIO MEDICINE TECHNOLOGY LTD.  
(21) 2024203531
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Applications Open to Public Inspection - Name Index cont'd

(71) Guangdong Oppo Mobile Telecommu-  
nications Corp., Ltd.  
(11) AU-A-2024278456  
(21) 2024278456 (22) 16.12.2024  
(54) Intra-frame chromaticity prediction  
method and device, and computer stor-  
age medium

(51) Int. Cl.  
**H04N 19/11** ( 2014.01 )

(43) 09.01.2025  
(62) 2019419036  
(72) HUO, Junyan; MA, Yanzhuo; WAN,  
Shuai; YANG, Fuzheng; LI, Xinwei  
(74) Spruson & Ferguson

(71) Guangdong Oppo Mobile Telecommu-  
nications Corp., Ltd.  
(11) AU-A-2024278459  
(21) 2024278459 (22) 16.12.2024  
(54) Intra-frame chromaticity prediction  
method and device, and computer stor-  
age medium

(51) Int. Cl.  
**H04N 19/11** ( 2014.01 )

(43) 09.01.2025  
(62) 2019419036  
(72) HUO, Junyan; MA, Yanzhuo; WAN,  
Shuai; YANG, Fuzheng; LI, Xinwei  
(74) Spruson & Ferguson

(71) Guangdong Oppo Mobile Telecommu-  
nications Corp., Ltd.  
(11) AU-A-2024278460  
(21) 2024278460 (22) 16.12.2024  
(54) Intra-frame chromaticity prediction  
method and device, and computer stor-  
age medium

(51) Int. Cl.  
**H04N 19/11** ( 2014.01 )

(43) 09.01.2025  
(62) 2019419036  
(72) HUO, Junyan; MA, Yanzhuo; WAN,  
Shuai; YANG, Fuzheng; LI, Xinwei  
(74) Spruson & Ferguson

(71) Guangdong Oppo Mobile Telecommu-  
nications Corp., Ltd.  
(11) AU-A-2024278461  
(21) 2024278461 (22) 16.12.2024  
(54) Intra-frame chromaticity prediction  
method and device, and computer stor-  
age medium

(51) Int. Cl.  
**H04N 19/11** ( 2014.01 )

(43) 09.01.2025  
(62) 2019419036  
(72) HUO, Junyan; MA, Yanzhuo; WAN,  
Shuai; YANG, Fuzheng; LI, Xinwei  
(74) Spruson & Ferguson

(71) GUANGDONG OPPO MOBILE TELE-  
COMMUNICATIONS CORP., LTD.  
(11) AU-A-2024278402  
(21) 2024278402 (22) 13.12.2024  
(54) Decoding prediction method and appar-  
atus, and computer storage medium  
(51) Int. Cl.

**H04N 19/105** ( 2014.01 )

(43) 09.01.2025  
(62) 2018454766  
(72) HUO, Junyan; MA, Yanzhuo; WAN,  
Shuai; YANG, Fuzheng; LI, Xinwei  
(74) Spruson & Ferguson

(71) GUANGDONG OPPO MOBILE TELE-  
COMMUNICATIONS CORP., LTD.

(11) AU-A-2024278403  
(21) 2024278403 (22) 13.12.2024  
(54) Decoding prediction method and appar-  
atus, and computer storage medium  
(51) Int. Cl.

**H04N 19/105** ( 2014.01 )

(43) 09.01.2025  
(62) 2018454766  
(72) HUO, Junyan; MA, Yanzhuo; WAN,  
Shuai; YANG, Fuzheng; LI, Xinwei  
(74) Spruson & Ferguson

(71) GUANGDONG OPPO MOBILE TELE-  
COMMUNICATIONS CORP., LTD.

(11) AU-A-2024278404  
(21) 2024278404 (22) 13.12.2024  
(54) Decoding prediction method and appar-  
atus, and computer storage medium  
(51) Int. Cl.

**H04N 19/105** ( 2014.01 )

(43) 09.01.2025  
(62) 2018454766  
(72) HUO, Junyan; MA, Yanzhuo; WAN,  
Shuai; YANG, Fuzheng; LI, Xinwei  
(74) Spruson & Ferguson

(71) GUANGDONG OPPO MOBILE TELE-  
COMMUNICATIONS CORP., LTD.

(11) AU-A-2024278405  
(21) 2024278405 (22) 13.12.2024  
(54) Decoding prediction method and appar-  
atus, and computer storage medium  
(51) Int. Cl.

**H04N 19/105** ( 2014.01 )

(43) 09.01.2025  
(62) 2018454766  
(72) HUO, Junyan; MA, Yanzhuo; WAN,  
Shuai; YANG, Fuzheng; LI, Xinwei  
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(71) GUANGDONG OPPO MOBILE TELE-  
COMMUNICATIONS CORP., LTD.

(11) AU-A-2024278446  
(21) 2024278446 (22) 16.12.2024  
(54) Method for encoding/decoding image  
signal, and device for same  
(51) Int. Cl.

**H04N 19/109** ( 2014.01 )

**H04N 19/105** ( 2014.01 )

**H04N 19/117** ( 2014.01 )

**H04N 19/119** ( 2014.01 )

**H04N 19/122** ( 2014.01 )

**H04N 19/176** ( 2014.01 )

**H04N 19/503** ( 2014.01 )

**H04N 19/51** ( 2014.01 )

**H04N 19/70** ( 2014.01 )

(43) 09.01.2025  
(62) 2019376595  
(72) LEE, Bae Keun  
(74) Spruson & Ferguson

(71) GUANGDONG OPPO MOBILE TELE-  
COMMUNICATIONS CORP., LTD.

(11) AU-A-2024278447  
(21) 2024278447 (22) 16.12.2024  
(54) Method for encoding/decoding image  
signal, and device for same  
(51) Int. Cl.

**H04N 19/109** ( 2014.01 )

**H04N 19/105** ( 2014.01 )

**H04N 19/117** ( 2014.01 )

**H04N 19/119** ( 2014.01 )

**H04N 19/122** ( 2014.01 )

**H04N 19/176** ( 2014.01 )

**H04N 19/503** ( 2014.01 )

**H04N 19/51** ( 2014.01 )

**H04N 19/70** ( 2014.01 )

(43) 09.01.2025  
(62) 2019376595  
(72) LEE, Bae Keun  
(74) Spruson & Ferguson

(71) GUANGDONG OPPO MOBILE TELE-  
COMMUNICATIONS CORP., LTD.

(11) AU-A-2024278449  
(21) 2024278449 (22) 16.12.2024  
(54) Method for encoding/decoding image  
signal, and device for same  
(51) Int. Cl.

**H04N 19/109** ( 2014.01 )

**H04N 19/105** ( 2014.01 )

**H04N 19/117** ( 2014.01 )

**H04N 19/119** ( 2014.01 )

**H04N 19/122** ( 2014.01 )

**H04N 19/176** ( 2014.01 )

**H04N 19/503** ( 2014.01 )

**H04N 19/51** ( 2014.01 )

**H04N 19/70** ( 2014.01 )

(43) 09.01.2025  
(62) 2019376595  
(72) LEE, Bae Keun  
(74) Spruson & Ferguson

(71) GUANGDONG OPPO MOBILE TELE-  
COMMUNICATIONS CORP., LTD.

(11) AU-A-2024278452  
(21) 2024278452 (22) 16.12.2024  
(54) Method for encoding/decoding image  
signal, and device for same  
(51) Int. Cl.

**H04N 19/109** ( 2014.01 )

**H04N 19/105** ( 2014.01 )

**H04N 19/117** ( 2014.01 )

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**H04N 19/122** ( 2014.01 )

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 (11) AU-A-2024203531  
 (21) 2024203531 (22) 04.01.2024  
 (54) MICROFLUIDIC CHIP FOR SORTING LIVING CELLS  
 (51) Int. Cl.  
**B01N 3/00** ( 2006.01 )  
**G01N 15/01** ( 2024.01 )  
 (31) 202310694083.8 (32) 13.06.23 (33) CN  
 (43) 09.01.2025  
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 (74) Madderns Pty Ltd

(71) Hartford Steam Boiler Inspection and Insurance Company  
 (11) AU-A-2024278534  
 (21) 2024278534 (22) 18.12.2024  
 (54) Computer-based systems, computing components and computing objects configured to implement dynamic outlier bias reduction in machine learning models  
 (51) Int. Cl.  
**G06N 20/00** ( 2019.01 )  
 (43) 09.01.2025  
 (62) 2021343372  
 (72) JONES, Richard B.  
 (74) Spruson & Ferguson

(71) Hebei Qiqiang Metal Products Co., Ltd.  
 (11) AU-A-2024203969  
 (21) 2024203969 (22) 11.06.2024  
 (54) MIXING AND MINCING MACHINE  
 (51) Int. Cl.  
**B02C 18/30** ( 2006.01 )  
 (31) 202310713662.2 (32) 16.06.23 (33) CN  
 (43) 09.01.2025  
 (72) WANG, Xiaoxu; WANG, Qingqing; LIU, Sai  
 (74) LexGeneris Pty Ltd

(71) Hemanext Inc.  
 (11) AU-A-2024278572  
 (21) 2024278572 (22) 18.12.2024  
 (54) METHODS FOR THE STORAGE OF WHOLE BLOOD, AND COMPOSITIONS THEREOF  
 (51) Int. Cl.  
**A61K 35/14** ( 2015.01 )  
**A61M 1/02** ( 2006.01 )  
**A61M 1/34** ( 2006.01 )  
**A61M 1/36** ( 2006.01 )  
**A61M 1/38** ( 2006.01 )  
**A61M 5/00** ( 2006.01 )  
**A61P 7/08** ( 2006.01 )  
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 (62) 2021286427  
 (72) Yoshida, Tatsuro  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Hemanext Inc.  
 (11) AU-A-2024278573  
 (21) 2024278573 (22) 18.12.2024  
 (54) METHODS AND TREATMENT OF TRAUMA  
 (51) Int. Cl.  
**A61K 35/14** ( 2015.01 )  
**A61P 9/00** ( 2006.01 )  
 (43) 09.01.2025  
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 (21) 2024278334

(71) HINOVA PHARMACEUTICALS INC.  
 (11) AU-A-2024278504  
 (21) 2024278504 (22) 17.12.2024  
 (54) Combination drug for treating triple-negative breast cancer  
 (51) Int. Cl.  
**A61K 31/501** ( 2006.01 )  
**A61K 31/337** ( 2006.01 )  
**A61K 31/4166** ( 2006.01 )  
**A61K 31/4439** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
**A61K 31/52** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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 (72) LI, Jing; DU, Wu; LIU, Guoqing; HUO, Yongxu; CHEN, Kefan; LI, Xinghai  
 (74) FB Rice Pty Ltd

(71) Howmet Aerospace Inc.  
 (11) AU-A-2024278347  
 (21) 2024278347 (22) 12.12.2024  
 (54) MULTI-PIECE FASTENER COMPRISING A TAPERED THREADED PORTION AND METHOD OF FASTENING  
 (51) Int. Cl.  
**F16B 35/04** ( 2006.01 )  
**F16B 5/02** ( 2006.01 )  
**F16B 33/02** ( 2006.01 )  
 (43) 09.01.2025  
 (62) 2021280268  
 (72) BRANCH, Justin S.; WILCOX, Robert B.  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Huawei Technologies Co., Ltd.  
 (11) AU-A-2024278340  
 (21) 2024278340 (22) 12.12.2024  
 (54) MULTI-LINK RECONFIGURATION METHOD AND APPARATUS  
 (51) Int. Cl.  
**H04W 76/15** ( 2018.01 )  
**H04W 76/19** ( 2018.01 )  
**H04W 76/30** ( 2018.01 )  
**H04W 76/34** ( 2018.01 )

(43) 09.01.2025  
 (62) 2022207565  
 (72) Huang, Guogang; Guo, Yuchen; Li, Yunbo; Gan, Ming  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Huawei Technologies Co., Ltd.  
 (11) AU-A-2024278406  
 (21) 2024278406 (22) 13.12.2024  
 (54) COMMUNICATION METHOD AND APPARATUS  
 (51) Int. Cl.  
**H04W 52/02** ( 2009.01 )  
**H04W 84/12** ( 2009.01 )  
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 (62) 2022280908  
 (72) Gan, Ming; Gong, Bo; Lu, Yuxin; Yu, Jian; Li, Yunbo; Hu, Mengshi  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Huawei Technologies Co., Ltd.  
 (11) AU-A-2024278412  
 (21) 2024278412 (22) 13.12.2024  
 (54) CHANNEL ACCESS METHOD AND COMMUNICATION APPARATUS  
 (51) Int. Cl.  
**H04W 74/08** ( 2009.01 )  
 (43) 09.01.2025  
 (62) 2021323751  
 (72) Yang, Bo; Yang, Yongchao; Lyu, Yunping; Hu, Yinliang  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Huawei Technologies Co., Ltd.  
 (11) AU-A-2024278489  
 (21) 2024278489 (22) 17.12.2024  
 (54) CHANNEL ACCESS METHOD AND COMMUNICATION APPARATUS  
 (51) Int. Cl.  
**H04W 74/08** ( 2009.01 )  
 (43) 09.01.2025  
 (62) 2021323751  
 (72) Yang, Bo; Yang, Yongchao; Lyu, Yunping; Hu, Yinliang  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Huawei Technologies Co., Ltd.  
 (11) AU-A-2024278511  
 (21) 2024278511 (22) 17.12.2024  
 (54) SPATIAL REUSE METHOD, APPARATUS, DEVICE, AND MEDIUM  
 (51) Int. Cl.  
**H04W 52/24** ( 2009.01 )  
 (43) 09.01.2025  
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(51) Int. Cl.  
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(72) DESANTIS, Grace; GROSS, Stephen M; LI, Jian-Sen; MORRELL, Natalie; SLATTER, Andrew; SHEN, Kevin; SNOW, Samantha  
(74) FB Rice Pty Ltd

(71) Illumina, Inc.  
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(21) 2024259849 (22) 08.11.2024  
(54) Methods And Compositions For Selective Cleavage Of Nucleic Acids With Recombinant Nucleases  
(51) Int. Cl.  
C12Q 1/6804 ( 2018.01 )  
C12Q 1/6806 ( 2018.01 )  
(43) 09.01.2025  
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(72) WANG, Clifford Lee  
(74) WRAYS PTY LTD

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(11) AU-A-2024278529  
(21) 2024278529 (22) 17.12.2024  
(54) Hybrid Nanopore Sensors  
(51) Int. Cl.  
G01N 33/487 ( 2006.01 )  
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(62) 2021229125  
(72) Boyanov, Boyan; Mandell, Jeffrey G.; Gunderson, Kevin L.; Bai, Jingwei; Qiang, Liangliang; Baas, Bradley  
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(71) Impossible Foods Inc.  
(11) AU-A-2024278448  
(21) 2024278448 (22) 16.12.2024  
(54) Ground meat replicas  
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A23J 3/22 ( 2006.01 )  
(43) 09.01.2025  
(62) 2022203846  
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(74) Spruson & Ferguson

**Isaacson, D. see RevAir, LLC**  
(21) 2024278545

(71) i-SENS, Inc.  
(11) AU-A-2024204000  
(21) 2024204000 (22) 13.06.2024  
(54) METHOD FOR CALIBRATING SENSITIVITY FOR GLUCOSE MEASUREMENT  
(51) Int. Cl.  
A61B 5/1495 ( 2006.01 )  
A61B 5/145 ( 2006.01 )  
A61B 5/1486 ( 2006.01 )  
(31) 10-2023-0075334 (32) 13.06.23 (33) KR  
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(72) LEE, Da-vid  
(74) LAMINAR IP PTY LTD

(71) i-SEP  
(11) AU-A-2024278445  
(21) 2024278445 (22) 16.12.2024  
(54) System and method for treating haemorrhagic fluid for autotransfusion  
(51) Int. Cl.  
A61M 1/02 ( 2006.01 )  
A61M 1/36 ( 2006.01 )  
A61M 1/38 ( 2006.01 )  
(43) 09.01.2025  
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(72) GADRAT, Francis; CHOLLET, Stéphane; PICOT, Sylvain; FOREST-VILLEGAS, Patricia  
(74) FPA Patent Attorneys Pty Ltd

(71) Itron, Inc.  
(11) AU-A-2024278419  
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(54) A low latency hybrid network for battery powered endpoint communications  
(51) Int. Cl.  
H04W 4/38 ( 2018.01 )  
H04W 52/02 ( 2009.01 )  
H04W 76/15 ( 2018.01 )  
H04W 76/16 ( 2018.01 )  
H04W 84/18 ( 2009.01 )  
H04W 92/02 ( 2009.01 )  
(43) 09.01.2025  
(62) 2019357722  
(72) CAHILL-O'BRIEN, Barry; EDWARDS, Bruce  
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(71) J. Ray McDermott, S.A.  
(11) AU-A-2024278513  
(21) 2024278513 (22) 17.12.2024  
(54) Residual curvature before stinger in s-lay  
(51) Int. Cl.  
F16L 1/18 ( 2006.01 )  
F16L 1/16 ( 2006.01 )  
F16L 1/20 ( 2006.01 )  
F16L 1/225 ( 2006.01 )  
F16L 1/235 ( 2006.01 )  
(43) 09.01.2025  
(62) 2022204070  
(72) NGAI, Tommy Kai Ho  
(74) Griffith Hack

(71) Jilin Academy of Agricultural Sciences (Northeast Agricultural Research Center of China)  
(11) AU-A-2023263473  
(21) 2023263473 (22) 08.11.2023  
(54) SNP MUTATION SITE OF HADHB GENE OF BEEF CATTLE AND USE THEREOF  
(51) Int. Cl.  
C12Q 1/6888 ( 2018.01 )  
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(43) 09.01.2025  
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(74) Madderns Pty Ltd

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(21) 2024278368

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(21) 2024278368

(71) Karl Leibinger Asset Management GmbH & Co. KG  
(11) AU-A-2024203321  
(21) 2024203321 (22) 20.05.2024  
(54) IMPLANT AND METHOD FOR COVERING LARGE-SCALE BONE DEFECTS FOR THORAX  
(51) Int. Cl.  
A61B 17/80 ( 2006.01 )  
(31) 18/337284 (32) 19.06.23 (33) US  
(43) 09.01.2025  
(72) AKSU, Adem; KLEIN, Vanessa; REINAUER, Frank  
(74) Halfords IP

(71) KEDING ENTERPRISES CO., LTD  
(11) AU-A-2024201921  
(21) 2024201921 (22) 26.03.2024  
(54) HIGH-PRESSURE LAMINATE PANEL  
(51) Int. Cl.  
C08F 122/10 ( 2006.01 )  
B29C 59/02 ( 2006.01 )  
(31) 112206221 (32) 17.06.23 (33) TW  
(43) 09.01.2025  
(72) TSAO, HSIEN-CHANG  
(74) Remarkable IP

**King's College London see New-Food Innovation Ltd**  
(21) 2024278527

(71) King Furniture Australia Pty Ltd  
(11) AU-A-2024204096  
(21) 2024204096 (22) 17.06.2024  
(54) Reconfigurable rest for a sofa  
(51) Int. Cl.  
A47C 20/02 ( 2006.01 )  
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(72) KING, David; FONG, Zara; RECHBERGER, Tanya  
(74) FB Rice Pty Ltd

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 (21) 2024278336 (22) 12.12.2024  
 (54) Heat treatment process and system for increased pitch yields  
 (51) Int. Cl.  
*C10C 3/00* ( 2006.01 )  
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 (43) 09.01.2025  
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 (72) MALMQVIST, Michael Bech; CAIRNS, Billy Jay; MUELLER, Carl Camille; BARON, John Thomas; DIETZ, James T.  
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(71) Kutti Bay Investments Pty Ltd  
 (11) AU-A-2024278467  
 (21) 2024278467 (22) 16.12.2024  
 (54) SAFETY SYSTEM AND METHOD FOR PROTECTING AGAINST A HAZARD OF DRILL ROD FAILURE IN A DRILLED ROCK BORE  
 (51) Int. Cl.  
*E21B 17/00* ( 2006.01 )  
*E21D 20/00* ( 2006.01 )  
*E21D 21/00* ( 2006.01 )  
 (43) 09.01.2025  
 (62) 2021273654  
 (72) NOONAN, Gerry  
 (74) James & Wells Intellectual Property

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(71) Lastek Pty Ltd  
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 (54) Method of Q-Switching a Waveguide Laser  
 (51) Int. Cl.  
*H01S 3/115* ( 2006.01 )  
*H01S 3/063* ( 2006.01 )  
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 (72) KARAGANOV, Victor; STANCO, Alex  
 (74) Wrays Pty Ltd

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(71) LC Automation Pty Ltd  
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 (54) A FORMWORK FRAME AND METHOD  
 (51) Int. Cl.  
*F24S 25/33* ( 2018.01 )  
*F24S 20/00* ( 2018.01 )  
*F24S 25/12* ( 2018.01 )  
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*H02S 20/10* ( 2014.01 )  
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(71) LG Electronics Inc.  
 (11) AU-A-2024202551  
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(54) ELECTRONIC DEVICE WITH ANTENNA MODULES  
 (51) Int. Cl.  
*H04B 7/04* ( 2017.01 )  
*H01Q 3/24* ( 2006.01 )  
*H01Q 21/24* ( 2006.01 )  
 (31) 10-2023-0077405 (32) 16.06.23 (33) KR  
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 (74) Dentons Patent Attorneys Australasia Limited

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 (11) AU-A-2024203088  
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 (54) Display Device  
 (51) Int. Cl.  
*H10K 59/80* ( 2023.01 )  
*G02F 1/1333* ( 2006.01 )  
*H10K 59/10* ( 2023.01 )  
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(71) Lightcast Discovery Ltd  
 (11) AU-A-2024278411  
 (21) 2024278411 (22) 13.12.2024  
 (54) Device and method for microdroplet detection of cells  
 (51) Int. Cl.  
*B01L 3/00* ( 2006.01 )  
*G01N 35/08* ( 2006.01 )  
*G01N 33/48* ( 2006.01 )  
 (43) 09.01.2025  
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 (72) ISAAC, Tom; FRAYLING, Cameron  
 (74) FB Rice Pty Ltd

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(71) Light Field Lab, Inc.  
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 (21) 2024278271 (22) 10.12.2024  
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 (51) Int. Cl.  
*G02F 1/29* ( 2006.01 )  
*G02B 5/32* ( 2006.01 )  
*G02B 6/42* ( 2006.01 )  
*G02B 27/01* ( 2006.01 )  
*G03H 1/00* ( 2006.01 )  
 (43) 09.01.2025  
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 (72) KARAFIN, Jonathan Sean; BEVENSEE, Brendan Elwood  
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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 (21) 2024278380 (22) 13.12.2024  
 (54) Bot supervision  
 (51) Int. Cl.  
*G06Q 10/06* ( 2023.01 )  
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 (72) HIGGINS, Michael; CHEN, Xi; HE, Chuqing; RICART, Ender  
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(71) MAKO Surgical Corp.  
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 (54) View angle-independent visual representation of a cut procedure  
 (51) Int. Cl.  
*A61B 34/20* ( 2016.01 )  
*A61B 17/16* ( 2006.01 )  
*A61B 17/34* ( 2006.01 )  
*A61B 34/10* ( 2016.01 )  
*A61B 34/32* ( 2016.01 )  
*G06T 17/10* ( 2006.01 )  
*G06T 19/20* ( 2011.01 )  
 (43) 09.01.2025  
 (62) 2023219794  
 (72) RALOVICH, Kristóf; KUTTER, Oliver; IKITS, Milán  
 (74) FB Rice Pty Ltd

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(71) MAX CO., LTD.  
 (11) AU-A-2024204018  
 (21) 2024204018 (22) 13.06.2024  
 (54) MOTOR AND BINDING MACHINE  
 (51) Int. Cl.  
*H02K 21/00* ( 2006.01 )  
*B21F 15/02* ( 2006.01 )  
*B25B 25/00* ( 2006.01 )  
*B65B 13/18* ( 2006.01 )  
*E04G 21/12* ( 2006.01 )  
*H02K 1/27* ( 2022.01 )  
*H02K 15/03* ( 2006.01 )  
 (31) 2023-096672 (32) 13.06.23 (33) JP  
 (43) 09.01.2025  
 (72) ITAGAKI, Osamu; UTSUGI, Masato; ISOBE, Takunari; SUGIHARA, Shinpei; HASHIZUME, Yutaka; NAKAMURA, Daisuke; ITO, Hiroyuki  
 (74) AJ PARK

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(71) Mayo Foundation for Medical Education and Research  
 (11) AU-A-2024278291  
 (21) 2024278291 (22) 11.12.2024  
 (54) COMPOUNDS FOR THE REDUCING LIPOTOXIC DAMAGE  
 (51) Int. Cl.  
*A61K 36/185* ( 2006.01 )  
*A61K 36/74* ( 2006.01 )

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(72) ANANDAN, Sampath-Kumar; GREEN-MAN, Kevin; KAMAL, Zeeshan; SINGH, Vijay P.  
(74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) Merck Sharp & Dohme LLC; Agenesis Inc.  
(11) AU-A-2024278314  
(21) 2024278314 (22) 11.12.2024  
(54) Anti-ILT4 antibodies and antigen-binding fragments  
(51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
(43) 09.01.2025  
(62) 2021225143  
(72) ZUNIGA, Luis A.; JOYCE-SHAIKH, Barbara; BLANUSA, Milan; SCHUSTER, Andrea Claudia; SCHULTZE, Kornelia  
(74) Spruson & Ferguson

(71) Mesoblast International Sarl  
(11) AU-A-2024278377  
(21) 2024278377 (22) 13.12.2024  
(54) Method for treating heart failure  
(51) Int. Cl.  
**A61K 35/28** ( 2015.01 )  
**A61P 9/00** ( 2006.01 )  
**A61P 9/04** ( 2006.01 )  
**A61P 9/10** ( 2006.01 )  
**C12N 5/0775** ( 2010.01 )  
(43) 09.01.2025  
(62) 2021240102  
(72) ITESCU, Silviu; GOLDEN, Lee  
(74) FB Rice Pty Ltd

(71) Metix (Proprietary) Limited  
(11) AU-A-2024203950  
(21) 2024203950 (22) 11.06.2024  
(54) FURNACE WITH LEVEL DETECTION SYSTEM  
(51) Int. Cl.  
**H01Q 1/36** ( 2006.01 )  
**G01S 13/88** ( 2006.01 )  
(31) 2035086 (32) 13.06.23 (33) NL  
(43) 09.01.2025  
(72) KOORZEN, Eugene William; LOTTER, Gabriel Jacobs; HOEK, Riaan  
(74) Halfords IP

(71) Miller UK Limited  
(11) AU-A-2024278398  
(21) 2024278398 (22) 13.12.2024  
(54) COUPLER  
(51) Int. Cl.  
**E02F 3/36** ( 2006.01 )  
(43) 09.01.2025  
(62) 2019295357  
(72) Miller, Keith; Miller, Gary; Urwin, Gavin; Bradley, Chris; Lewis, Chris; Reay, Howard  
(74) PHILLIPS ORMONDE FITZPATRICK

(71) MuPharma Pty Ltd  
(11) AU-A-2024278474  
(21) 2024278474 (22) 16.12.2024  
(54) Non-invasive agent applicator  
(51) Int. Cl.  
**A61M 37/00** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
(43) 09.01.2025  
(62) 2022241608  
(72) UNGER, Harry; UNGER, Mark; LANGELIER, Sean Michael  
(74) Spruson & Ferguson

(71) New-Food Innovation Ltd; King's College London  
(11) AU-A-2024278527  
(21) 2024278527 (22) 17.12.2024  
(54) Medium/Low Glycaemic Index Products and Methods  
(51) Int. Cl.  
**A23L 11/00** ( 2021.01 )  
**A23L 11/30** ( 2016.01 )  
(43) 09.01.2025  
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(72) BUTTERWORTH, Peter J.; EDWARDS, Cathrina H.; ELLIS, Peter R.; HILL, Sandra; MARSON, Alan; OBUCHOWICZ, Jacek  
(74) O'Sullivan's Patent and Trade Mark Attorneys Pty Ltd

(71) Newman, A.  
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(21) 2024203983 (22) 12.06.2024  
(54) Farming apparatus  
(51) Int. Cl.  
**A01B 63/111** ( 2006.01 )  
**A01B 35/08** ( 2006.01 )  
**A01B 35/26** ( 2006.01 )  
**A01B 35/32** ( 2006.01 )  
**A01B 79/00** ( 2006.01 )  
**G01L 1/26** ( 2006.01 )  
**G05D 1/00** ( 2006.01 )  
**G06F 3/00** ( 2006.01 )  
(31) 2023901861 (32) 13.06.23 (33) AU  
(43) 09.01.2025  
(72) Newman, Alexander  
(74) Davies Collison Cave Pty Ltd

(71) NEWTECH WELLNESS CO.,LTD.  
(11) AU-A-2024202041  
(21) 2024202041 (22) 28.03.2024  
(54) SPORTING APPARATUS WITH VARIABLE LOAD MODULE  
(51) Int. Cl.  
**A63B 21/00** ( 2006.01 )  
(31) 1020230077668 (32) 16.06.23 (33) KR  
(43) 09.01.2025  
(72) Byun, Hyun Jung  
(74) Cooper IP Pty Ltd

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(11) AU-A-2024203465  
(21) 2024203465 (22) 24.05.2024

(54) A method for estimating health status of a pitch energy storage unit of a wind turbine, and a pitch control system  
(51) Int. Cl.  
**G01R 31/34** ( 2020.01 )  
**G01R 31/385** ( 2019.01 )  
**H02J 3/00** ( 2006.01 )  
**H02J 7/00** ( 2006.01 )  
(31) 23180031.9 (32) 19.06.23 (33) EP  
(43) 09.01.2025  
(72) RAVE, Christian  
(74) Spruson & Ferguson

(71) Nunhems B.V.  
(11) AU-A-2024278514  
(21) 2024278514 (22) 17.12.2024  
(54) Didymella bryoniae internal fruit rot resistance in cucumis sativus plants  
(51) Int. Cl.  
**A01H 6/34** ( 2018.01 )  
**A01H 1/00** ( 2006.01 )  
**A01H 5/08** ( 2018.01 )  
**C12N 9/02** ( 2006.01 )  
(43) 09.01.2025  
(62) 2021238581  
(72) LIBERTI, Daniele; KOELEWIJN, Hans Peter; BEENDERS, Frank; REINIERS, Laura; VRIEZEN, Wim; MERTENS, Lieke  
(74) Davies Collison Cave Pty Ltd

(71) Oncocutics, Inc.  
(11) AU-A-2024278350  
(21) 2024278350 (22) 12.12.2024  
(54) 7-benzyl-4-(2-methylbenzyl)-2,4,6,7,8,9-hexahydroimidazo[1,2-a]pyrido[3,4-e]pyrimidin-5(1h)-one, salts thereof and methods of use  
(51) Int. Cl.  
**A61K 31/519** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
(43) 09.01.2025  
(62) 2022203043  
(72) Stogniew, Martin; Allen, Joshua E.; Portorf, Richard S.; Nallaganchu, Bhaskara Rao; Olson, Gary L.  
(74) Griffith Hack

(71) Optos PLC  
(11) AU-A-2024203921  
(21) 2024203921 (22) 07.06.2024  
(54) An ophthalmic imaging system and method for suppressing an imaging artefact in an ophthalmic image  
(51) Int. Cl.  
**G06T 7/41** ( 2017.01 )  
**A61B 3/14** ( 2006.01 )  
**G06T 5/70** ( 2024.01 )  
**G06T 7/136** ( 2017.01 )  
(31) EP23179219.3 (32) 14.06.23 (33) EP  
(43) 09.01.2025  
(72) Clifton, David  
(74) FB Rice Pty Ltd

(71) Oxular Limited  
(11) AU-A-2024278515

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(54) Ophthalmic delivery device  
(51) Int. Cl.  
A61K 9/00 ( 2006.01 )  
A61F 9/00 ( 2006.01 )  
A61K 9/16 ( 2006.01 )  
A61K 47/26 ( 2006.01 )  
A61K 47/36 ( 2006.01 )  
A61M 5/315 ( 2006.01 )  
A61M 5/32 ( 2006.01 )  
A61M 31/00 ( 2006.01 )  
A61M 35/00 ( 2006.01 )  
(43) 09.01.2025  
(62) 2018333033  
(72) BLEY, Robert Steven; CONSTON, Stanley R.; YAMAMOTO, Ronald K.; NGUYEN, Tien T.; LUNSFORD, John P.; MARTINEZ, Dillon Daniel; PHAN, Loc X.  
(74) FB Rice Pty Ltd
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- (71) Paltronics Australasia Pty Limited  
(11) AU-A-2024278295  
(21) 2024278295 (22) 11.12.2024  
(54) A METHOD OF PROVIDING A TABLE GAME AND AN ASSOCIATED SYSTEM  
(51) Int. Cl.  
G07F 17/32 ( 2006.01 )  
A63F 13/332 ( 2014.01 )  
(43) 09.01.2025  
(62) 2022283629  
(72) Wright, Dean; Palmisano, Angelo  
(74) Adams Pluck
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- (71) Panasonic Intellectual Property Corporation of America  
(11) AU-A-2024278530  
(21) 2024278530 (22) 17.12.2024  
(54) Three-dimensional data encoding method, three-dimensional data decoding method, three-dimensional data encoding device, and three-dimensional data decoding device  
(51) Int. Cl.  
G06T 9/40 ( 2006.01 )  
(43) 09.01.2025  
(62) 2019285351  
(72) SUGIO, Toshiyasu; WANG, Chi; LAS-ANG, Pongsak; HAN, Chung Dean; IGUCHI, Noritaka  
(74) Griffith Hack
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- (71) PASM Technology A Pty Ltd (formerly known as PASM (AU) Pty Ltd)  
(11) AU-A-2024278532  
(21) 2024278532 (22) 17.12.2024  
(54) Apparatus and Method for Treating Radioactive Emission  
(51) Int. Cl.  
G21K 1/10 ( 2006.01 )  
G21F 9/28 ( 2006.01 )  
(31) 2018901438 (32) 30.04.18 (33) AU  
(43) 09.01.2025  
(62) 2019262077  
(72) PAALVAST, Peter; SCHMIDT, Juergen  
(74) Chrysiliou IP
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- (71) Pharmacyclics LLC; Regents of the University of Minnesota  
(11) AU-A-2024278490  
(21) 2024278490 (22) 17.12.2024  
(54) Methods of treating and preventing antibody driven chronic graft versus host disease  
(51) Int. Cl.  
A61K 31/519 ( 2006.01 )  
A61K 31/506 ( 2006.01 )  
A61P 37/00 ( 2006.01 )  
A61P 43/00 ( 2006.01 )  
(43) 09.01.2025  
(62) 2022203810  
(72) BLAZAR, Bruce R.; FLYNN, Ryan  
(74) Spruson & Ferguson
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- (71) Philp, G.  
(11) AU-A-2023203705  
(21) 2023203705 (22) 14.06.2023  
(54) CORNICE SUPPORT  
(51) Int. Cl.  
E04G 21/18 ( 2006.01 )  
E04G 25/08 ( 2006.01 )  
(43) 09.01.2025  
(72) Philp, Gary  
(74) Mann IP
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- (71) Pierre Fabre Médicament  
(11) AU-A-2024278329  
(21) 2024278329 (22) 12.12.2024  
(54) COMBINATION OF ENCORAFENIB AND BINIMETINIB AS ADJUVANT TREATMENT FOR RESECTED STAGE II MELANOMA  
(51) Int. Cl.  
A61K 31/4184 ( 2006.01 )  
A61K 9/00 ( 2006.01 )  
A61K 31/506 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
(43) 09.01.2025  
(62) 2021358394  
(72) Vedovato, Jean-Claude; Suissa, Jeanne; Provendier, Olivier  
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Pioneer Hi-Bred International, Inc.; Hexima Limited  
(11) AU-A-2024278334  
(21) 2024278334 (22) 12.12.2024  
(54) Insecticidal proteins from plants and methods for their use  
(51) Int. Cl.  
A01N 65/00 ( 2009.01 )  
C07K 14/415 ( 2006.01 )  
C12N 15/09 ( 2006.01 )  
C12N 15/52 ( 2006.01 )  
C12N 15/62 ( 2006.01 )  
C12N 15/82 ( 2006.01 )  
(43) 09.01.2025  
(62) 2019234566  
(72) LIU, Lu; LUM, Amy; ONG, Azalea S.; SCHEPERS, Eric; UDRANSZKY, Ingrid; ZHONG, Xiaohong  
(74) Oxygene IP
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- (71) PLUG POWER INC.  
(11) AU-A-2024203838  
(21) 2024203838 (22) 06.06.2024  
(54) INSULATING DATUM INSERT  
(51) Int. Cl.  
H01M 8/04007 ( 2016.01 )  
H01M 8/24 ( 2016.01 )  
H01M 8/2404 ( 2016.01 )  
(31) 18/335516 (32) 15.06.23 (33) US  
(43) 09.01.2025  
(72) STEPANIAN, Benjamin  
(74) Zone Patents Limited
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- (71) Poly Gain Pte Ltd  
(11) AU-A-2024278473  
(21) 2024278473 (22) 16.12.2024  
(54) Use of sugar cane extracts in the treatment or prevention of microbial infections and dysbiosis  
(51) Int. Cl.  
A61K 36/899 ( 2006.01 )  
A23K 10/33 ( 2016.01 )  
A23K 20/00 ( 2016.01 )  
A23K 50/80 ( 2016.01 )  
A61P 1/14 ( 2006.01 )  
A61P 31/04 ( 2006.01 )  
A61P 31/12 ( 2006.01 )  
A61P 33/02 ( 2006.01 )  
(43) 09.01.2025  
(62) 2024204161  
(72) Mitchell, Shane; Kitchen, Barry; Macnab, Gregor; Flavel, Matthew  
(74) FB Rice Pty Ltd
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- (71) Polyplas International Pty Ltd  
(11) AU-A-2024278362  
(21) 2024278362 (22) 12.12.2024  
(54) System For Supporting Non-structural Building Components  
(51) Int. Cl.  
E04C 1/39 ( 2006.01 )  
E04B 1/98 ( 2006.01 )  
F16L 3/06 ( 2006.01 )  
F16L 3/20 ( 2006.01 )  
F16L 55/02 ( 2006.01 )  
(43) 09.01.2025  
(62) 2022204827  
(72) Luscombe, Peter  
(74) Argon IP Advisory Pty Ltd
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- (71) Portelli, T.  
(11) AU-A-2023203718  
(21) 2023203718 (22) 14.06.2023  
(54) Animal Bedding that removes odour  
(51) Int. Cl.  
A01K 1/015 ( 2006.01 )  
A01K 1/035 ( 2006.01 )  
A01K 31/00 ( 2006.01 )  
(43) 09.01.2025  
(72) Portelli, Troy  
(74) Troy John Portelli
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- (71) PyroGenesis Canada Inc.  
(11) AU-A-2024278378  
(21) 2024278378 (22) 13.12.2024  
(54) ENERGY EFFICIENT HIGH POWER PLASMA TORCH

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(51) Int. Cl.  
**H05H 1/42** ( 2006.01 )  
**H05H 1/28** ( 2006.01 )  
**H05H 1/34** ( 2006.01 )  
(43) 09.01.2025  
(62) 2022291468  
(72) Carabin, Pierre; Drouet, Michel G.  
(74) Franke Hyland Pty Ltd

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(71) Regeneron Pharmaceuticals, Inc.  
(11) AU-A-2024278257  
(21) 2024278257 (22) 10.12.2024  
(54) Methods of treating inflammatory conditions  
(51) Int. Cl.  
**C07K 16/24** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**C07K 14/715** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
(43) 09.01.2025  
(62) 2017367691  
(72) Orengo, Jamie M.; Allinne, Jeanne; Murphy, Andrew J.; Yancopoulos, George D.  
(74) Griffith Hack

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(71) Regeneron Pharmaceuticals, Inc.  
(11) AU-A-2024278415  
(21) 2024278415 (22) 13.12.2024  
(54) MULTISPECIFIC ANTIGEN-BINDING MOLECULES AND USES THEREOF  
(51) Int. Cl.  
**C07K 16/18** ( 2006.01 )  
**C07K 14/435** ( 2006.01 )  
**C07K 16/12** ( 2006.01 )  
**C07K 16/22** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**C07K 16/32** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
(43) 09.01.2025  
(62) 2021218213  
(72) Andreev, Julian; Thambi, Nithya; Delfino, Frank; Martin, Joel; Thurston, Gavin; Cygnar, Katherine; Papadopoulos, Nicholas  
(74) PHILLIPS ORMONDE FITZPATRICK

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(71) Regeneron Pharmaceuticals, Inc.  
(11) AU-A-2024278420  
(21) 2024278420 (22) 13.12.2024  
(54) COMPOSITIONS AND METHODS FOR INTERNALIZING ENZYMES  
(51) Int. Cl.  
**A61K 38/46** ( 2006.01 )  
**A61K 38/47** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
**C12N 9/40** ( 2006.01 )  
**C12N 9/42** ( 2006.01 )  
(43) 09.01.2025  
(62) 2023285891  
(72) Baik, Andrew; Cygnar, Katherine  
(74) PHILLIPS ORMONDE FITZPATRICK

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(71) Regeneron Pharmaceuticals, Inc.  
(11) AU-A-2024278422  
(21) 2024278422 (22) 13.12.2024

(54) Methods and systems for identifying, classifying, and/or ranking genetic sequences  
(51) Int. Cl.  
**G16B 10/00** ( 2019.01 )  
**G16B 20/30** ( 2019.01 )  
**G16B 30/10** ( 2019.01 )  
**G16B 45/00** ( 2019.01 )  
(43) 09.01.2025  
(62) 2020384498  
(72) COPIN, Richard; LIM, Wei Keat  
(74) Davies Collison Cave Pty Ltd

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Regents of the University of Minnesota see  
Pharmacyclics LLC  
(21) 2024278490

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(71) ResMed Pty Ltd  
(11) AU-A-2024278476  
(21) 2024278476 (22) 16.12.2024  
(54) PATIENT INTERFACE  
(51) Int. Cl.  
**A61M 16/06** ( 2006.01 )  
(43) 09.01.2025  
(62) 2019361356  
(72) GUNEY, Memduh; SCHEINER, Rupert Christian  
(74) Halfords IP

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(71) Respiratory Motion, Inc.  
(11) AU-A-2024278561  
(21) 2024278561 (22) 18.12.2024  
(54) ADVANCED RESPIRATORY MONITOR AND SYSTEM  
(51) Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A61B 5/0205** ( 2006.01 )  
**A61B 5/08** ( 2006.01 )  
(43) 09.01.2025  
(62) 2022211837  
(72) FREEMAN, Jenny E.; BRAYANOV, Jordan; BOCK, Malcolm G.; PANASYUK, Alexander  
(74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

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(71) RevAir, LLC; Thomason, S.; Cooper, F.; Isaacson, D.  
(11) AU-A-2024278545  
(21) 2024278545 (22) 18.12.2024  
(54) Vacuum assisted systems and methods for grooming hair  
(51) Int. Cl.  
**A45D 20/12** ( 2006.01 )  
**A45D 2/00** ( 2006.01 )  
**A45D 19/04** ( 2006.01 )  
**A45D 20/14** ( 2006.01 )  
(43) 09.01.2025  
(62) 2022215273  
(72) THOMASON, Scott; COOPER, Foster; ISAACSON, Debra  
(74) Spruson & Ferguson

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(71) Roche Glycart AG  
(11) AU-A-2024278296  
(21) 2024278296 (22) 11.12.2024

(54) Bispecific antigen binding molecule  
(51) Int. Cl.  
**C07K 16/30** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
(43) 09.01.2025  
(62) 2021221376  
(72) AUER, Johannes; BRUENKER, Peter; FAUTI, Tanja; JAEGER, Christiane; KLEIN, Christian; SCHAEFER, Wolfgang; SUSTMANN, Claudio; UMANA, Pablo  
(74) Griffith Hack

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(71) S.M.A.I.O.  
(11) AU-A-2024203996  
(21) 2024203996 (22) 13.06.2024  
(54) Sacral fixation system and assembly comprising such a system  
(51) Int. Cl.  
**A61F 2/44** ( 2006.01 )  
(31) 2306212 (32) 16.06.23 (33) FR  
(43) 09.01.2025  
(72) Gehrchen Poul, Martin; Silvestre, Clément; Roussouly, Pierre; Charosky, Sébastien; Roussouly, Jean-Charles  
(74) Davies Collison Cave Pty Ltd

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(71) Sagemcom Energy & Telecom SAS  
(11) AU-A-2024203878  
(21) 2024203878 (22) 07.06.2024  
(54) Fluid meter detecting and distinguishing a leak and an offset problem  
(51) Int. Cl.  
**G01F 1/00** ( 2022.01 )  
(31) 2306077 (32) 14.06.23 (33) FR  
(43) 09.01.2025  
(72) SABRAOUI, Abbas; ABID, Oussama; BASTURK, Ahmet Samed  
(74) Spruson & Ferguson

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(71) Sage Therapeutics, Inc.  
(11) AU-A-2024278325  
(21) 2024278325 (22) 12.12.2024  
(54) 19-nor C3,3-disubstituted C21-N-pyrazolyl steroids and methods of use thereof  
(51) Int. Cl.  
**C07J 3/00** ( 2006.01 )  
**A61K 31/57** ( 2006.01 )  
**A61K 31/573** ( 2006.01 )  
**A61K 31/58** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**C07J 7/00** ( 2006.01 )  
**C07J 15/00** ( 2006.01 )  
(43) 09.01.2025  
(62) 2022205157  
(72) BOTELLA, Gabriel Martinez; HARRISON, Boyd L.; ROBICHAUD, Albert Jean; SALITURO, Francesco G.; BEREIS, Richard Thomas  
(74) Spruson & Ferguson

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(71) Sap Products Limited  
(11) AU-A-2024204041  
(21) 2024204041 (22) 14.06.2024  
(54) A Hand Cart

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**B62B 3/16** ( 2006.01 )  
**B62B 3/02** ( 2006.01 )  
**F16M 11/20** ( 2006.01 )  
(31) 202321525009.5 (32) 14.06.23 (33) CN  
(43) 09.01.2025  
(72) KO, Yiu Fai  
(74) A.P.T. Patent and Trade Mark Attorneys

(71) Schneider Electric USA, Inc.  
(11) AU-A-2024278524  
(21) 2024278524 (22) 17.12.2024  
(54) SYSTEMS AND METHODS FOR INTELLIGENT EVENT WAVEFORM ANALYSIS  
(51) Int. Cl.  
**H02J 3/00** ( 2006.01 )  
**H02J 9/06** ( 2006.01 )  
(43) 09.01.2025  
(62) 2019247222  
(72) MENZEL, Johannes; BICKEL, Jon  
(74) Madderns Pty Ltd

(71) Seal Network B.V.  
(11) AU-A-2024278502  
(21) 2024278502 (22) 17.12.2024  
(54) Playing card with electronic authentication means  
(51) Int. Cl.  
**A63F 1/06** ( 2006.01 )  
**A63F 1/02** ( 2006.01 )  
(43) 09.01.2025  
(62) 2020231014  
(72) VERSCHOOR, Joris Bastiaan; VERSCHOOR, Bart Boris  
(74) Oxygene IP

(71) Sealy Technology LLC  
(11) AU-A-2024278451  
(21) 2024278451 (22) 16.12.2024  
(54) Open coil spring assemblies  
(51) Int. Cl.  
**A47C 23/05** ( 2006.01 )  
**A47C 23/043** ( 2006.01 )  
(43) 09.01.2025  
(62) 2023201269  
(72) DEMOSS, Larry K.; MANUSZAK, Brian M.; TAR, Kevin M.; THOMAS, Darin T.; GREEN, Daniel W.; JUST, Morrison J.  
(74) Spruson & Ferguson

(71) Sealy Technology LLC  
(11) AU-A-2024278453  
(21) 2024278453 (22) 16.12.2024  
(54) Open coil spring assemblies  
(51) Int. Cl.  
**A47C 23/05** ( 2006.01 )  
**A47C 23/043** ( 2006.01 )  
(43) 09.01.2025  
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(72) DEMOSS, Larry K.; MANUSZAK, Brian M.; TAR, Kevin M.; THOMAS, Darin T.; GREEN, Daniel W.; JUST, Morrison J.  
(74) Spruson & Ferguson

(71) Sealy Technology LLC  
(11) AU-A-2024278454  
(21) 2024278454 (22) 16.12.2024  
(54) Open coil spring assemblies  
(51) Int. Cl.  
**A47C 23/05** ( 2006.01 )  
**A47C 23/043** ( 2006.01 )  
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(72) DEMOSS, Larry K.; MANUSZAK, Brian M.; TAR, Kevin M.; THOMAS, Darin T.; GREEN, Daniel W.; JUST, Morrison J.  
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(71) Sealy Technology LLC  
(11) AU-A-2024278455  
(21) 2024278455 (22) 16.12.2024  
(54) Open coil spring assemblies  
(51) Int. Cl.  
**A47C 23/05** ( 2006.01 )  
**A47C 23/043** ( 2006.01 )  
(43) 09.01.2025  
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(72) DEMOSS, Larry K.; MANUSZAK, Brian M.; TAR, Kevin M.; THOMAS, Darin T.; GREEN, Daniel W.; JUST, Morrison J.  
(74) Spruson & Ferguson

(71) Seed Terminator Holdings Pty Ltd  
(11) AU-A-2024278510  
(21) 2024278510 (22) 17.12.2024  
(54) AN IMPACT MILL AND A RESIDUE PROCESSING SYSTEM INCORPORATING SAME  
(51) Int. Cl.  
**A01F 12/44** ( 2006.01 )  
**A01D 41/127** ( 2006.01 )  
**B02C 13/00** ( 2006.01 )  
(43) 09.01.2025  
(62) 2019238574  
(72) BERRY, Nicholas Kane  
(74) Integrated IP

(71) Serina Therapeutics (AL), Inc.  
(11) AU-A-2024278567  
(21) 2024278567 (22) 18.12.2024  
(54) CLEAVABLE CONJUGATES OF CATECHOL COMPOUNDS AND WATER-SOLUBLE POLYMERS AND METHODS OF TREATMENT USING THE SAME  
(51) Int. Cl.  
**A61K 31/4192** ( 2006.01 )  
**A61K 31/4535** ( 2006.01 )  
(43) 09.01.2025  
(62) 2019309523  
(72) Bentley, Michael; Fang, Zhihao; Weimer, Rebecca; Viegas, Tacey; Moreadith, Randall  
(74) PHILLIPS ORMONDE FITZPATRICK

(71) Shaheen Innovations Holding Limited  
(11) AU-A-2024278559  
(21) 2024278559 (22) 18.12.2024  
(54) MIST INHALER DEVICES  
(51) Int. Cl.  
**A24B 15/167** ( 2020.01 )

**A24F 40/05** ( 2020.01 )  
**A24F 40/10** ( 2020.01 )  
**A61M 11/00** ( 2006.01 )  
**A61M 15/00** ( 2006.01 )  
**B05B 17/06** ( 2006.01 )  
**B05B 17/00** ( 2006.01 )  
(43) 09.01.2025  
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(74) HENRY HUGHES IP LTD

(71) Shambat, I.  
(11) AU-A-2023203845  
(21) 2023203845 (22) 19.06.2023  
(54) Chlorophyll Patch  
(51) Int. Cl.  
**A61K 31/409** ( 2006.01 )  
**A61K 9/70** ( 2006.01 )  
(43) 09.01.2025  
(72) Shambat, Ilya  
(74) Ilya Shambat

(71) Shanghai Epimab Biotherapeutics Co., Ltd.  
(11) AU-A-2024278367  
(21) 2024278367 (22) 12.12.2024  
(54) ANTIBODIES TO CD3 AND BCMA, AND BISPECIFIC BINDING PROTEINS MADE THEREFROM  
(51) Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61K 51/10** ( 2006.01 )  
**C07K 16/24** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
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(74) James & Wells Intellectual Property

(71) SHENZHEN JISU TECHNOLOGY CO., LTD.  
(11) AU-A-2024278338  
(21) 2024278338 (22) 12.12.2024  
(54) Portable fan  
(51) Int. Cl.  
**F04D 25/00** ( 2006.01 )  
**F04D 25/08** ( 2006.01 )  
**F04D 27/00** ( 2006.01 )  
**F04D 29/00** ( 2006.01 )  
**F04D 29/32** ( 2006.01 )  
**F04D 29/52** ( 2006.01 )  
**F04D 29/54** ( 2006.01 )  
**F04D 29/66** ( 2006.01 )  
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(72) ZHENG, Guanzheng; XIE, Jiahang; LI, Xiangfu; YUAN, Shuiyong; XIAO, Xin; CAI, Chengrui  
(74) A.P.T. Patent and Trade Mark Attorneys

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(11) AU-A-2024227435  
(21) 2024227435 (22) 17.10.2024  
(54) Anti-age antibodies for treating neuro-degenerative disorders  
(51) Int. Cl.  
C07K 16/24 ( 2006.01 )  
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(43) 09.01.2025  
(62) 2017250301  
(72) Gruber, Lewis S.  
(74) Griffith Hack

(71) Smart EV Solutions Pty Ltd  
(11) AU-A-2024204008  
(21) 2024204008 (22) 13.06.2024  
(54) A Power Supply Metering System and Method  
(51) Int. Cl.  
B60L 53/66 ( 2019.01 )  
G06Q 20/38 ( 2012.01 )  
G06Q 50/06 ( 2012.01 )  
G01R 22/06 ( 2006.01 )  
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(74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

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(11) AU-A-2024278517  
(21) 2024278517 (22) 17.12.2024  
(54) Compositions and methods using high protein for induction of autophagy  
(51) Int. Cl.  
A61P 21/00 ( 2006.01 )  
A61K 31/132 ( 2006.01 )  
A61K 38/01 ( 2006.01 )  
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(74) Spruson & Ferguson

(71) Sony Group Corporation  
(11) AU-A-2024278433  
(21) 2024278433 (22) 16.12.2024  
(54) Image processing device and method  
(51) Int. Cl.  
H04N 19/436 ( 2014.01 )  
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(62) 2019407687  
(72) FUJIMOTO, Yuji  
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(71) Sony Group Corporation  
(11) AU-A-2024278434  
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(54) Image processing apparatus and method  
(51) Int. Cl.  
H04N 19/436 ( 2014.01 )

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(71) Southern Research Institute  
(11) AU-A-2024278376  
(21) 2024278376 (22) 13.12.2024  
(54) 4'-thio-nucleotide and -nucleoside prod-rugs for the treatment of cancer  
(51) Int. Cl.  
C07H 21/02 ( 2006.01 )  
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(62) 2019256465  
(72) MOUKHA-CHAFIQ, Omar; AUGEL-LI-SZAFRAN, Corinne E.; SUTO, Mark J.; JUNG, Doo Young; CHO, Hyunyoung  
(74) Griffith Hack

(71) Specialized Desanders Inc.  
(11) AU-A-2024204193  
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(54) PARTICULATE SENSING SYSTEM AND METHODS FOR DETECTING PARTICULATES IN A FLUID STREAM  
(51) Int. Cl.  
G01F 1/86 ( 2006.01 )  
G08B 21/00 ( 2006.01 )  
(31) 63/521,827 (32) 19.06.23 (33) US  
(43) 09.01.2025  
(72) Wasfy, Rick Tarik; Hierath, Kyle  
(74) Madderns Pty Ltd

(71) Spogen Biotech Inc.  
(11) AU-A-2024278320  
(21) 2024278320 (22) 11.12.2024  
(54) DEVICES, SYSTEMS AND METHODS FOR AGROCHEMICAL DETECTION AND AGROCHEMICAL COMPOSITIONS  
(51) Int. Cl.  
G01N 21/27 ( 2006.01 )  
(43) 09.01.2025  
(62) 2023201022  
(72) Thompson, Brian M.  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Spogen Biotech Inc.  
(11) AU-A-2024278321  
(21) 2024278321 (22) 11.12.2024  
(54) DEVICES, SYSTEMS AND METHODS FOR AGROCHEMICAL DETECTION AND AGROCHEMICAL COMPOSITIONS  
(51) Int. Cl.  
G01N 21/27 ( 2006.01 )  
(43) 09.01.2025  
(62) 2023201022  
(72) Thompson, Brian M.  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) SPR Therapeutics, Inc.  
(11) AU-A-2024278349  
(21) 2024278349 (22) 12.12.2024

(54) SYSTEMS AND METHODS RELATED TO THE TREATMENT OF BACK PAIN  
(51) Int. Cl.  
A61N 1/34 ( 2006.01 )  
(43) 09.01.2025  
(62) 2023200180  
(72) Wongsarnpigoon, Amorn; Bennett, Maria; Boggs, Joseph; Chae, John; Saulino, Michael F.  
(74) Maxwells Patent & Trade Mark Attorneys Pty Ltd

(71) Spruce Biosciences, Inc.  
(11) AU-A-2024278470  
(21) 2024278470 (22) 16.12.2024  
(54) Corticotropin releasing factor receptor antagonists  
(51) Int. Cl.  
C07D 471/04 ( 2006.01 )  
(43) 09.01.2025  
(62) 2023201703  
(72) HOWERTON, Alexis; GERBER, Hal; KARABORNI, Sami  
(74) FB Rice Pty Ltd

(71) SRS Medical Systems, LLC  
(11) AU-A-2024278356  
(21) 2024278356 (22) 12.12.2024  
(54) URODYNAMIC INVESTIGATION APPARATUS, SYSTEM, & METHODS  
(51) Int. Cl.  
A61B 5/20 ( 2006.01 )  
A61F 2/04 ( 2013.01 )  
A61F 5/44 ( 2006.01 )  
A61F 5/441 ( 2006.01 )  
A61F 5/453 ( 2006.01 )  
A61F 5/455 ( 2006.01 )  
A61M 1/00 ( 2006.01 )  
A61M 5/168 ( 2006.01 )  
A61M 39/12 ( 2006.01 )  
A61M 39/22 ( 2006.01 )  
(43) 09.01.2025  
(62) 2019225728  
(72) BRODY, Lee  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) STEPHENS, M.  
(11) AU-A-2024204035  
(21) 2024204035 (22) 13.06.2024  
(54) LATCH ASSEMBLY INCLUDING MAGNETIC ACTUATION  
(51) Int. Cl.  
E05B 47/00 ( 2006.01 )  
E04B 1/00 ( 2006.01 )  
E05B 65/00 ( 2006.01 )  
E05C 1/00 ( 2006.01 )  
E05C 1/06 ( 2006.01 )  
E05C 19/06 ( 2006.01 )  
E05B 1/00 ( 2006.01 )  
(31) 2023901878 (32) 14.06.23 (33) AU  
(43) 09.01.2025  
(72) STEPHENS, MICHAEL  
(74) Walsh & Associates

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 (11) AU-A-2023270235  
 (21) 2023270235 (22) 21.11.2023  
 (54) Circuit, method and device for addressing CAN nodes  
 (51) Int. Cl.  
*H04L 12/40* ( 2006.01 )  
*G06F 13/00* ( 2006.01 )  
 (31) 202310730757.5 (32) 16.06.23 (33) CN  
 (43) 09.01.2025  
 (72) Changying PENG; Jie YANG; Lin WANG; Fei CHEN  
 (74) FB Rice Pty Ltd
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- (71) Sungrow Power Supply Co., Ltd.  
 (11) AU-A-2023266247  
 (21) 2023266247 (22) 14.11.2023  
 (54) Method and apparatus for managing state of health of battery, electronic device, and storage medium  
 (51) Int. Cl.  
*G01R 31/392* ( 2019.01 )  
*G01R 31/367* ( 2019.01 )  
*H01M 10/42* ( 2006.01 )  
*H02J 7/00* ( 2006.01 )  
 (31) 202310737862.1 (32) 19.06.23 (33) CN  
 (43) 09.01.2025  
 (72) Dongyu LIANG; Huaidong DING; Ying CAO  
 (74) FB Rice Pty Ltd
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- (71) Sungrow Renewables Development Co. Ltd.  
 (11) AU-A-2024278371  
 (21) 2024278371 (22) 13.12.2024  
 (54) Multi-stage energy storage fire-fighting system  
 (51) Int. Cl.  
*A62C 3/06* ( 2006.01 )  
*A62C 31/00* ( 2006.01 )  
*A62C 35/02* ( 2006.01 )  
*A62C 35/62* ( 2006.01 )  
*A62C 35/68* ( 2006.01 )  
*A62C 37/44* ( 2006.01 )  
 (43) 09.01.2025  
 (62) 2023200062  
 (72) Chen, Yanhua; Wang, Rongxiang; Shao, Junjie; Zhao, Fuqiang; Xu, Ming  
 (74) Davies Collison Cave Pty Ltd
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- (71) Syngenta Crop Protection AG  
 (11) AU-A-2024278413  
 (21) 2024278413 (22) 13.12.2024  
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 (51) Int. Cl.  
*C07D 405/14* ( 2006.01 )  
*A01N 37/18* ( 2006.01 )  
*A01N 43/20* ( 2006.01 )  
*A01N 43/40* ( 2006.01 )  
*A01N 43/50* ( 2006.01 )  
*A01N 43/54* ( 2006.01 )  
*A01P 3/00* ( 2006.01 )  
*C07C 211/37* ( 2006.01 )  
*C07C 231/10* ( 2006.01 )  
*C07C 251/44* ( 2006.01 )
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- (71) Syqe Medical Ltd.  
 (11) AU-A-2024278426  
 (21) 2024278426 (22) 13.12.2024  
 (54) Low Dose Therapeutic Treatment  
 (51) Int. Cl.  
*A61K 31/352* ( 2006.01 )  
*A24F 47/00* ( 2020.01 )  
*A61K 9/00* ( 2006.01 )  
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 (74) Golja Haines & Friend
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- (71) Taiho Pharmaceutical Co., Ltd.  
 (11) AU-A-2024278491  
 (21) 2024278491 (22) 17.12.2024  
 (54) METHOD OF TREATING MALIGNANT TUMOR BY AZABICYCLIC COMPOUND  
 (51) Int. Cl.  
*A61K 31/437* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
 (43) 09.01.2025  
 (62) 2018423606  
 (72) Ohkubo, Shuichi  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) TBI Innovations, LLC; Thornhill Research, Inc.  
 (11) AU-A-2024278518  
 (21) 2024278518 (22) 17.12.2024
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- (71) Ted R. Dimitroff  
 (11) AU-A-2024204166  
 (21) 2024204166 (22) 19.06.2024  
 (54) NON-DISRUPTIVE UNDERGROUND PIPE REPLACEMENT PROCESS  
 (51) Int. Cl.  
*F16L 1/028* ( 2006.01 )  
*E03B 1/02* ( 2006.01 )  
*E03B 7/02* ( 2006.01 )  
 (31) 63/508970 (32) 19.06.23 (33) US  
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 (43) 09.01.2025  
 (72) Dimitroff, Ted R.  
 (74) Davies Collison Cave Pty Ltd
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- (71) Tencent America LLC  
 (11) AU-A-2024227176  
 (21) 2024227176 (22) 08.10.2024  
 (54) Signaling of Reference Picture Resampling with Constant Window Size Indication in Video Bitstream.  
 (51) Int. Cl.  
*H04N 7/12* ( 2006.01 )  
*H04N 19/107* ( 2014.01 )  
 (43) 09.01.2025  
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 (72) CHOI, Byeongdoo; WENGER, Stephan; LIU, Shan  
 (74) Griffith Hack
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- (71) Teva Pharmaceuticals International GmbH  
 (11) AU-A-2024278554  
 (21) 2024278554 (22) 18.12.2024  
 (54) Injection spring for aged prefilled syringe and auto injector  
 (51) Int. Cl.  
*A61M 5/20* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61M 5/315* ( 2006.01 )  
*A61M 5/48* ( 2006.01 )  
 (43) 09.01.2025  
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 (72) GIBSON, Paul Andrew Christopher; CUMMINGS, Edward Andrew  
 (74) Griffith Hack
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- (71) The Boeing Company; Commonwealth Scientific and Industrial Research Organisation  
 (11) AU-A-2024202440  
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(54) Adhesion promoter for composites and methods thereof  
(51) Int. Cl.  
**C08J 7/043** ( 2020.01 )  
**C09J 5/02** ( 2006.01 )  
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(74) FB Rice Pty Ltd

(71) The Boeing Company  
(11) AU-A-2024202445  
(21) 2024202445 (22) 15.04.2024  
(54) Fabricating methods and apparatuses for a multilayered, nanoparticle-coated fiber material  
(51) Int. Cl.  
**C23C 28/00** ( 2006.01 )  
**C23C 14/48** ( 2006.01 )  
**D06M 11/00** ( 2006.01 )  
**D06M 11/74** ( 2006.01 )  
(31) 18/333,866 (32) 13.06.23 (33) US  
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(72) TSOTSIS, Thomas K.  
(74) Spruson & Ferguson

(71) The Brain Protection Company Pty Ltd  
(11) AU-A-2024278382  
(21) 2024278382 (22) 13.12.2024  
(54) Implantable damping devices for treating dementia and associated systems and methods of use  
(51) Int. Cl.  
**A61F 2/07** ( 2013.01 )  
**A61F 2/06** ( 2013.01 )  
**A61F 2/95** ( 2013.01 )  
(43) 09.01.2025  
(62) 2022287613  
(72) Celermajer, David Stephen; Ujhazy, Anthony John; Wallace, Michael; Mili-jasevic, Zoran; Choi, Johnathon; Shein, Jarred  
(74) Halfords IP

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(21) 2024278472

(71) The Scripps Research Institute  
(11) AU-A-2024278546  
(21) 2024278546 (22) 18.12.2024  
(54) Methods of sample preparation  
(51) Int. Cl.  
**C12Q 1/68** ( 2018.01 )  
**C12P 19/34** ( 2006.01 )  
**G16B 20/00** ( 2019.01 )  
(43) 09.01.2025  
(62) 2022201330  
(72) HEAD, Robert; ORDOUKHANIAN, Philip T.; SALOMON, Daniel R.  
(74) Davies Collison Cave Pty Ltd

**Thomason, S. see RevAir, LLC**  
(21) 2024278545

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(21) 2024278518

(71) TIDY PAWS PETS PTY LTD  
(11) AU-A-2024203499  
(21) 2024203499 (22) 24.05.2024  
(54) Sifting Litter Box  
(51) Int. Cl.  
**A01K 1/01** ( 2006.01 )  
**A01K 23/00** ( 2006.01 )  
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(72) Weir, Kusa  
(74) TIDY PAWS PETS PTY LTD

(71) Tiziana Life Sciences plc  
(11) AU-A-2024278457  
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(54) Anti-CD3 antibody formulations  
(51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
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(43) 09.01.2025  
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(72) SHAILUBHAI, Kunwar  
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(71) Toma, A.  
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(21) 2023214337 (22) 10.08.2023  
(54) Driving technique support safety system  
(51) Int. Cl.  
**B60Q 9/00** ( 2006.01 )  
(31) 4208363 (32) 14.06.23 (33) EP  
(43) 09.01.2025  
(72) Toma, Attila  
(74) Attila Toma

(71) Translate Bio, Inc.  
(11) AU-A-2024278311  
(21) 2024278311 (22) 11.12.2024  
(54) Lipid nanoparticle compositions and methods for mRNA delivery  
(51) Int. Cl.  
**A61K 38/00** ( 2006.01 )  
**A61K 31/131** ( 2006.01 )  
**A61K 31/132** ( 2006.01 )  
**A61K 31/215** ( 2006.01 )  
**A61K 31/56** ( 2006.01 )  
**A61K 38/16** ( 2006.01 )  
**A61K 38/43** ( 2006.01 )  
(43) 09.01.2025  
(62) 2021204597  
(72) DEROSA, Frank; HEARTLEIN, Michael W.; GUILD, Braydon Charles  
(74) Spruson & Ferguson

(71) Transportation IP Holdings, LLC  
(11) AU-A-2024204186

(21) 2024204186 (22) 19.06.2024  
(54) SYSTEM AND METHOD FOR ENERGY CONVERSION  
(51) Int. Cl.  
**H02J 3/14** ( 2006.01 )  
**H02J 1/14** ( 2006.01 )  
**H02J 3/28** ( 2006.01 )  
**H02J 3/32** ( 2006.01 )  
**H02J 7/02** ( 2016.01 )  
**H02J 50/80** ( 2016.01 )  
**H02P 27/06** ( 2006.01 )  
(31) 63/508,956 (32) 19.06.23 (33) US  
(43) 09.01.2025  
(72) Kumar, Ajith Kuttannair  
(74) K&L Gates

(71) TRINA SOLAR CO., LTD.  
(11) AU-A-2024278570  
(21) 2024278570 (22) 18.12.2024  
(54) Heterojunction solar cell and manufacturing method thereof, and photovoltaic module  
(51) Int. Cl.  
**H01L 31/06** ( 2012.01 )  
**H01L 31/077** ( 2012.01 )  
(31) 202311748852.4 (32) 19.12.23 (33) CN  
(43) 09.01.2025  
(72) HU, Yunnyun; LIU, Wei; CHEN, Daming  
(74) Griffith Hack

(71) Tucker, S.; Joyce, R.; Jumpstart Fertility Pty Ltd; Marcuccio, S.M.; Dolle, R.; Wathier, M.; Life Biosciences, Inc.  
(11) AU-A-2024278368  
(21) 2024278368 (22) 12.12.2024  
(54) AMINO ACID SALTS OF NICOTINIC ACID RIBOSIDES AS ANTI-AGING AGENTS  
(51) Int. Cl.  
**C07H 19/048** ( 2006.01 )  
**A61K 31/706** ( 2006.01 )  
**A61P 15/00** ( 2006.01 )  
(43) 09.01.2025  
(62) 2019274524  
(72) MARCUCCIO, Sebastian Mario; JOYCE, Rohan David; WATHIER, Michel; DOLLE, Roland; TUCKER, Simon  
(74) RNB IP PTY LTD

(71) TYCO ELECTRONICS - SIMEL  
(11) AU-A-2024204094  
(21) 2024204094 (22) 17.06.2024  
(54) Mechanical connector for connecting an electrical cable  
(51) Int. Cl.  
**H01R 11/26** ( 2006.01 )  
**H01R 13/42** ( 2006.01 )  
(31) 23305973.2 (32) 19.06.23 (33) EP  
(43) 09.01.2025  
(72) PELTIER, Bruno  
(74) Griffith Hack

(71) University Health Network; The Hospital for Sick Children  
(11) AU-A-2024278472  
(21) 2024278472 (22) 16.12.2024

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(54) Compositions and methods for treating hematologic cancers targeting the SIRPa-CD47 interaction

(51) Int. Cl.

**A61K 38/45** ( 2006.01 )

**A61K 38/16** ( 2006.01 )

**A61P 35/00** ( 2006.01 )

**A61P 35/02** ( 2006.01 )

**C12Q 1/68** ( 2018.01 )

(43) 09.01.2025

(62) 2022256193

(72) Wang, Jean C. Y.; Dick, John; Danska, Jayne; Jin, Liqing; Theocharides, Alexandre; Rajakumar, Sujeetha

(74) FB Rice Pty Ltd

(71) University of Newcastle upon Tyne

(11) AU-A-2024278487

(21) 2024278487 (22) 17.12.2024

(54) Detection of pathological protein aggregation

(51) Int. Cl.

**G01N 33/68** ( 2006.01 )

(43) 09.01.2025

(62) 2019229744

(72) KURZAWA-AKANBI, Marzena; MORRIS, Christopher Miles

(74) Spruson & Ferguson

(71) Veltek Associates, Inc.

(11) AU-A-2024278568

(21) 2024278568 (22) 18.12.2024

(54) Portable air sampler

(51) Int. Cl.

**G01N 1/22** ( 2006.01 )

**G01N 1/14** ( 2006.01 )

(43) 09.01.2025

(62) 2019218717

(72) KOCHER, Nathan G.; VELLUTATO JR., Arthur L.; CHURCHVARA, Jeffrey; PHILLIPS, Mark A.

(74) FPA Patent Attorneys Pty Ltd

(71) VERDANT ROBOTICS, INC.

(11) AU-A-2024278312

(21) 2024278312 (22) 11.12.2024

(54) Autonomous agricultural treatment system using map based targetting of agricultural objects

(51) Int. Cl.

**A01N 65/00** ( 2009.01 )

**C05G 3/60** ( 2020.01 )

**G01N 21/25** ( 2006.01 )

**G01N 21/31** ( 2006.01 )

**G06F 17/14** ( 2006.01 )

**G06T 1/20** ( 2006.01 )

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(62) 2020472581

(72) SIBLEY, Gabriel Thurston; IBARRIA, Lorenzo; GARNER, Curtis Dale; LEGER, Patrick Christopher; MICHELIN, Andre Robert Daniel; HURLIMAN II, John Phillip; JIRATTIGALACHOTE, Wisit; TAFISH, Hasan

(74) FPA Patent Attorneys Pty Ltd

(71) Vermeer Manufacturing Company

(11) AU-A-2024278327

(21) 2024278327 (22) 12.12.2024

(54) HDD reamer having removable cutting teeth

(51) Int. Cl.

**E21B 7/28** ( 2006.01 )

**E21B 7/20** ( 2006.01 )

**E21B 10/26** ( 2006.01 )

**E21B 10/633** ( 2006.01 )

(43) 09.01.2025

(62) 2020300532

(72) SMITH, Jacob Richard

(74) FPA Patent Attorneys Pty Ltd

(71) Vistagen Therapeutics, Inc

(11) AU-A-2024278564

(21) 2024278564 (22) 18.12.2024

(54) Dosage forms and therapeutic uses of l-4-chlorokynurenine

(51) Int. Cl.

**A61K 31/198** ( 2006.01 )

**A61P 25/04** ( 2006.01 )

**A61P 25/14** ( 2006.01 )

**A61P 25/24** ( 2006.01 )

**A61P 25/28** ( 2006.01 )

(43) 09.01.2025

(62) 2022221382

(72) Snodgrass, Ralph H; Cato, Allen E.; Hicklin, Jack S.

(74) Allens Patent & Trade Mark Attorneys

(71) Voyager Therapeutics, Inc.

(11) AU-A-2024278250

(21) 2024278250 (22) 10.12.2024

(54) Compositions and methods of treating Huntington's Disease

(51) Int. Cl.

**C12N 15/09** ( 2006.01 )

**C12N 15/11** ( 2006.01 )

**C12N 15/113** ( 2010.01 )

**C12N 15/86** ( 2006.01 )

**C12N 15/861** ( 2006.01 )

(43) 09.01.2025

(62) 2018261003

(72) SAH, Dinah Wen-Yee; CHEN, Fen; ZHOU, Pengcheng; WANG, Xin; SHU, Yanquan; HOU, Jinzhao

(74) Griffith Hack

**Wathier, M. see Tucker, S.**

(21) 2024278368

(71) Welldoc, Inc.

(11) AU-A-2024278555

(21) 2024278555 (22) 18.12.2024

(54) SYSTEMS AND METHODS FOR ANALYZING, INTERPRETING, AND ACTING ON CONTINUOUS GLUCOSE MONITORING DATA

(51) Int. Cl.

**G16H 50/20** ( 2018.01 )

**G16H 20/17** ( 2018.01 )

**G16H 50/30** ( 2018.01 )

(43) 09.01.2025

(62) 2021236742

(72) LIU, Shipping; SHOMALI, Mansur; KUMBARA, Abhimanyu; IYER, Anand; PEEPLES, Malinda; DUGAS, Michelle; CROWLEY, Kenyon; GAO, Guodong

(74) AJ PARK

(71) Wilson 247Solar, Inc

(11) AU-A-2024278290

(21) 2024278290 (22) 11.12.2024

(54) MULTI-THERMAL STORAGE UNIT SYSTEMS, FLUID FLOW CONTROL DEVICES, AND LOW PRESSURE SOLAR RECEIVERS FOR SOLAR POWER SYSTEMS, AND RELATED COMPONENTS AND USES THEREOF

(51) Int. Cl.

**F24S 20/20** ( 2018.01 )

**F24S 10/70** ( 2018.01 )

**F24S 80/50** ( 2018.01 )

(43) 09.01.2025

(62) 2022241480

(72) Anderson, Bruce; Treece, William Dean

(74) RnB IP Pty Ltd

(71) Wing Aviation LLC

(11) AU-A-2024278458

(21) 2024278458 (22) 16.12.2024

(54) Landing and payload loading structures

(51) Int. Cl.

**B64F 1/22** ( 2006.01 )

**B64F 1/12** ( 2006.01 )

**B64F 1/32** ( 2006.01 )

(43) 09.01.2025

(62) 2022224804

(72) BLAKE, Jesse; SCHMALZRIED, Jim; SHANNON, Trevor; SIMONIAN, Michael; KLEPP, Sindre; BENSON, Stephen; WOODWORTH, Adam

(74) Spruson & Ferguson

(71) Wonderland Switzerland AG

(11) AU-A-2024278394

(21) 2024278394 (22) 13.12.2024

(54) CHILD SAFETY SEAT

(51) Int. Cl.

**B60N 2/28** ( 2006.01 )

(43) 09.01.2025

(62) 2023202404

(72) Chen, Yingzhong

(74) James & Wells Intellectual Property

(71) Wonderland Switzerland AG

(11) AU-A-2024278492

(21) 2024278492 (22) 17.12.2024

(54) Playard with Compact Folded Configuration and Storage Latch

(51) Int. Cl.

**A47D 13/06** ( 2006.01 )

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(72) PACELLA, Jonathan; CLEMMER, Lance

(74) PIPERS

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(71) WONDERLAND SWITZERLAND AG  
(11) AU-A-2024204064  
(21) 2024204064 (22) 14.06.2024  
(54) Child safety seat and seat thereof  
(51) Int. Cl.  
B60N 2/28 ( 2006.01 )  
(31) 202310714243.0 (32) 15.06.23 (33) CN  
(43) 09.01.2025  
(72) Fang, Ganqing  
(74) Griffith Hack

(71) Xard Group Pty Ltd  
(11) AU-A-2024278427  
(21) 2024278427 (22) 13.12.2024  
(54) SYSTEM AND METHOD FOR SECURE TRANSACTING  
(51) Int. Cl.  
G06Q 20/34 ( 2012.01 )  
G06Q 20/08 ( 2012.01 )  
G06Q 20/36 ( 2012.01 )  
(43) 09.01.2025  
(62) 2022283711  
(72) Wilson, Robert  
(74) AUSTRALASIA IP PTY LTD

(71) YESSBIO CO., LTD.  
(11) AU-A-2023270359  
(21) 2023270359 (22) 27.11.2023  
(54) Organic waste-degrading microorganism and method of processing organic waste using same  
(51) Int. Cl.  
C12N 1/20 ( 2006.01 )  
B09B 3/60 ( 2022.01 )  
C02F 3/02 ( 2023.01 )  
C05F 9/04 ( 2006.01 )  
C12P 1/04 ( 2006.01 )  
C12R 1/125 ( 2006.01 )  
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(43) 09.01.2025  
(72) Dong Ju LEE; Sung Bum LEE; Yoon-Tae CHI; Ik Ho CHOI,  
(74) Griffith Hack

(71) Yichun Pluscool Sports Co., Ltd  
(11) AU-A-2023222819  
(21) 2023222819 (22) 28.08.2023  
(54) A type of yoga pants, which improves blood circulation and workout efficiency  
(51) Int. Cl.  
A41D 1/08 ( 2018.01 )  
A41D 13/05 ( 2006.01 )  
(31) 2023215361083 (32) 16.06.23 (33) CN  
(43) 09.01.2025  
(72) YI, Xianjin  
(74) PATENTS AU PTY LTD

(71) Ypsomed AG  
(11) AU-A-2024278548  
(21) 2024278548 (22) 18.12.2024  
(54) TDD tracking approaches for insulin delivery systems, methods, and devices  
(51) Int. Cl.  
G16H 20/17 ( 2018.01 )  
G16H 40/63 ( 2018.01 )  
G16H 50/20 ( 2018.01 )

(43) 09.01.2025  
(62) 2021274689  
(72) BARTEE, Amy Kathleen; HAIDAR, Ahmad Mohamad; JONES Jr., Richard Earl  
(74) Spruson & Ferguson

(71) Zimmer, Inc.  
(11) AU-A-2024278386  
(21) 2024278386 (22) 13.12.2024  
(54) INDEPENDENTLY IMPLANTABLE SENSORS FOR ORTHOPEDIC IMPLANTS  
(51) Int. Cl.  
A61B 5/00 ( 2006.01 )  
A61B 17/56 ( 2006.01 )  
A61F 2/00 ( 2006.01 )  
A61B 5/01 ( 2006.01 )  
A61B 5/0538 ( 2021.01 )  
A61B 5/11 ( 2006.01 )  
A61B 5/145 ( 2006.01 )  
(43) 09.01.2025  
(62) 2022285762  
(72) Golemon Jr., Nathan; Mueller, John Kyle; Bischoff, Jeffrey E.; Vanderpool, Matthew; Amiot, Louis-Philippe; Galloway, Annelise; Couture, Pierre; Spooner, Ted  
(74) PHILLIPS ORMONDE FITZPATRICK

(71) Zimmer, Inc.  
(11) AU-A-2024278488  
(21) 2024278488 (22) 17.12.2024  
(54) TIBIAL PROSTHESIS WITH DISTAL FEATURES FOR NON-CEMENTED FIXATION  
(51) Int. Cl.  
A61F 2/38 ( 2006.01 )  
(43) 09.01.2025  
(62) 2023214375  
(72) Bisek, Aaron J.; Trischler, Cory; Branscome, Douglas G.; Wilson, Vanessa Marie  
(74) PHILLIPS ORMONDE FITZPATRICK

(71) Zogenix International Limited  
(11) AU-A-2024278543  
(21) 2024278543 (22) 18.12.2024  
(54) Improvement in cognitive function with fenfluramine  
(51) Int. Cl.  
A61K 31/137 ( 2006.01 )  
A61K 45/06 ( 2006.01 )  
A61P 25/00 ( 2006.01 )  
(43) 09.01.2025  
(62) 2018341331  
(72) MORRISON, Glenn; GAMMAITONI, Arnold; BOYD, Brooks M.  
(74) Davies Collison Cave Pty Ltd

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| 2024278449 | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.      | 2024278545 | RevAir, LLC; Thomason, S.; Cooper, F.; Isaacson, D.               |
| 2024278451 | Sealy Technology LLC                                      | 2024278546 | The Scripps Research Institute                                    |
| 2024278452 | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.      | 2024278548 | Ypsomed AG                                                        |
| 2024278453 | Sealy Technology LLC                                      | 2024278550 | Colgate-Palmolive Company                                         |
| 2024278454 | Sealy Technology LLC                                      | 2024278554 | Teva Pharmaceuticals International GmbH                           |
| 2024278455 | Sealy Technology LLC                                      | 2024278555 | Welldoc, Inc.                                                     |
| 2024278456 | Guangdong Oppo Mobile Telecommunications Corp., Ltd.      | 2024278557 | Gambro Lundia AB                                                  |
| 2024278457 | Tiziana Life Sciences plc                                 | 2024278558 | American Sterilizer Company                                       |
| 2024278458 | Wing Aviation LLC                                         | 2024278559 | Shaheen Innovations Holding Limited                               |
| 2024278459 | Guangdong Oppo Mobile Telecommunications Corp., Ltd.      | 2024278561 | Respiratory Motion, Inc.                                          |
| 2024278460 | Guangdong Oppo Mobile Telecommunications Corp., Ltd.      | 2024278562 | Synlogic Operating Company, Inc.                                  |
| 2024278461 | Guangdong Oppo Mobile Telecommunications Corp., Ltd.      | 2024278564 | Vistagen Therapeutics, Inc.                                       |
| 2024278462 | Abiomed, Inc.                                             | 2024278567 | Serina Therapeutics (AL), Inc.                                    |
| 2024278464 | CareFusion 303, Inc.                                      | 2024278568 | Veltek Associates, Inc.                                           |
| 2024278465 | MAKO Surgical Corp.                                       | 2024278570 | TRINA SOLAR CO., LTD.                                             |
| 2024278467 | Kutti Bay Investments Pty Ltd                             | 2024278572 | Hemanext Inc.                                                     |
| 2024278470 | Spruce Biosciences, Inc.                                  | 2024278573 | Hemanext Inc.                                                     |
| 2024278472 | University Health Network; The Hospital for Sick Children | 2024278574 | BAMBINO PREZIOSO SWITZERLAND AG                                   |
| 2024278473 | Poly Gain Pte Ltd                                         | 2024278575 | Apple Inc.                                                        |
| 2024278474 | MuPharma Pty Ltd                                          |            |                                                                   |
| 2024278475 | Breville Pty Limited                                      |            |                                                                   |
| 2024278476 | ResMed Pty Ltd                                            |            |                                                                   |
| 2024278478 | Bechtel Energy Technologies & Solutions, Inc.             |            |                                                                   |
| 2024278481 | FISHER & PAYKEL HEALTHCARE LIMITED                        |            |                                                                   |
| 2024278487 | University of Newcastle upon Tyne                         |            |                                                                   |
| 2024278488 | Zimmer, Inc.                                              |            |                                                                   |
| 2024278489 | Huawei Technologies Co., Ltd.                             |            |                                                                   |
| 2024278490 | Pharmacyclics LLC; Regents of the University of Minnesota |            |                                                                   |
| 2024278491 | Taiho Pharmaceutical Co., Ltd.                            |            |                                                                   |

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(43) 11.01.2024  
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(54) AUTOINJECTOR  
(51) Int. Cl.  
A61M 5/32 ( 2006.01 )  
A61M 5/20 ( 2006.01 )  
A61M 5/315 ( 2006.01 )  
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(72) MIKKELSEN, Jens; CONTERAS MOR-  
EIRA, Juan  
(74) Intellepro Patent & Trade Mark Attor-  
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(54) SUBSTITUTED PYRROLIDINYL AND  
PIPERIDINYL COMPOUNDS AND RE-  
LATED METHODS OF TREATMENT  
(51) Int. Cl.  
A61K 31/18 ( 2006.01 )  
C07D 211/58 ( 2006.01 )  
C07D 211/98 ( 2006.01 )  
C07D 401/04 ( 2006.01 )  
C07D 401/06 ( 2006.01 )  
A61K 31/33 ( 2006.01 )  
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(31) 63/353,982 (32) 21.06.22 (33) US  
(43) 28.12.2023  
(72) HANDE, Sudhir, Mahadeo; HU, Yuan;  
CHOI, Younggi; HUYNH, Hoan;  
AQUILA, Brian, M.; MUGGE, Ingo, An-  
dreas; RAYMER, Brian, Kenneth; SUH,  
Byung-Chul; PENNINGTON, Lewis, D.;  
LEHMANN, Jonathan, Ward  
(74) James & Wells Intellectual Property

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(54) SUBSTITUTED PYRROLIDINYL AND  
PIPERIDINYL COMPOUNDS AND RE-  
LATED METHODS OF TREATMENT  
(51) Int. Cl.  
A61K 31/395 ( 2006.01 )  
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A61K 31/435 ( 2006.01 )  
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CHOI, Younggi; HUYNH, Hoan;  
AQUILA, Brian, M.; MUGGE, Ingo, An-  
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Byung-Chul; PENNINGTON, Lewis, D.;  
LEHMANN, Jonathan, Ward  
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(71) ALKERMES, INC.  
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(54) SUBSTITUTED FUSED BICYCLIC  
COMPOUNDS AND RELATED METH-  
ODS OF TREATMENT

(51) Int. Cl.  
A61K 31/445 ( 2006.01 )  
A61K 31/4035 ( 2006.01 )  
A61K 31/404 ( 2006.01 )  
C07D 211/06 ( 2006.01 )  
C07D 263/54 ( 2006.01 )  
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(31) 63/353,998 (32) 21.06.22 (33) US  
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CHOI, Younggi; HUYNH, Hoan;  
AQUILA, Brian, M.; MUGGE, Ingo, An-  
dreas; RAYMER, Brian, Kenneth; WIL-  
HELMSSEN, Christopher, A.; PENNING-  
TON, Lewis, D.; LEHMANN, Jonathan,  
Ward  
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COMPOUNDS AND RELATED METH-  
ODS OF TREATMENT  
(51) Int. Cl.  
A61K 31/4035 ( 2006.01 )  
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Ward  
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(54) COMBINATION THERAPIES  
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C07K 16/28 ( 2006.01 )  
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BLADH, Karin; HELBOE, Thomas;  
RUSSEL, Charlotte Astrid; NORLÉN,  
Per  
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(54) ENGINEERED CELLS WITH RE-  
DUCED GENE EXPRESSION TO MIT-  
IGATE IMMUNE CELL RECOGNITION  
(51) Int. Cl.  
C12N 5/10 ( 2006.01 )  
A61K 35/17 ( 2015.01 )

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(54) IN VITRO METHOD FOR INHIBITING  
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(71) ALPHA RECYCLAGE COMPOSITES  
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(54) METHOD FOR PROCESSING COM-  
POSITE MATERIAL WASTE, DEVICE  
FOR IMPLEMENTING THE METHOD  
AND RECYCLED FIBRE OBTAINED  
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(51) Int. Cl.  
C08J 11/12 ( 2006.01 )  
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D01D 10/00 ( 2006.01 )  
D01F 13/04 ( 2006.01 )  
F23G 5/12 ( 2006.01 )  
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MOULIN, Ludovic  
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(54) APPARATUS FOR IDENTIFYING A CABLE ON A MINE SITE  
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H02G 11/02 ( 2006.01 )  
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(54) SYSTEM AND METHOD FOR PORTABLE, SAFETY LIGHTING  
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F21K 9/66 ( 2016.01 )  
F21V 33/00 ( 2006.01 )  
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(72) DIR, Ronald R.  
(74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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(54) COMPOUNDS AS INHIBITORS OF AXL  
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(54) DIARYLHEPTANOID BASED MEDICINAL PREPARATION AND METHOD OF PREPARATION OF THE SAME  
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(54) METHOD FOR PRODUCING AMINO ACIDS IN A BIOREACTOR  
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C07K 14/705 ( 2006.01 )  
A61K 35/17 ( 2015.01 )  
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C07K 16/30 ( 2006.01 )  
C12N 15/62 ( 2006.01 )  
C12N 15/85 ( 2006.01 )  
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(54) DEVICE AND METHOD  
(51) Int. Cl.  
C25B 15/00 ( 2006.01 )  
C25B 1/46 ( 2006.01 )  
C25B 9/00 ( 2021.01 )  
C25B 9/77 ( 2021.01 )  
C25B 11/052 ( 2021.01 )  
C25B 11/081 ( 2021.01 )  
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*C25B 1/46* ( 2006.01 )  
*C25B 9/00* ( 2021.01 )  
*C25B 9/77* ( 2021.01 )  
*C25B 11/052* ( 2021.01 )  
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FUNAKAWA, Akiyasu; KADO, Yoshi-  
fumi  
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THEIR USES FOR LACTATE DETEC-  
TION  
(51) Int. Cl.  
*C12N 15/00* ( 2006.01 )  
*C12N 5/10* ( 2006.01 )  
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- (71) ASSOCIATION FRANCAISE CONTRE  
LES MYOPATHIES; CENTRE NA-  
TIONAL DE LA RECHERCHE SCIE-  
N-  
TIFIQUE; INSTITUT NATIONAL DE  
LA SANTE ET DE LA RECHERCHE  
MEDICALE; UNIVERSITE D'ANGERS;  
UNIVERSITE DE BORDEAUX; UNI-  
VERSITE PARIS-SACLAY; UNI-  
VERSITE COTE D'AZUR; CENTRE  
HOSPITALIER UNIVERSITAIRE  
D'ANGERS  
(11) AU-A-2023302582  
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(54) USE OF EBSELEN OR ONE OF THE  
DERIVATIVES THEREOF TO TREAT  
MITOCHONDRIAL PATHOLOGIES OR  
DYSFUNCTIONS  
(51) Int. Cl.  
*A61K 31/41* ( 2006.01 )  
*A61K 31/137* ( 2006.01 )  
*A61K 31/145* ( 2006.01 )  
*A61P 3/00* ( 2006.01 )  
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*C07D 401/14* ( 2006.01 )  
*A61K 31/496* ( 2006.01 )  
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IMAIZUMI, Tomoyoshi; MORIKAWA,  
Takahiro; HAMAGUCHI, Hisao; KUR-  
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AND HEADPHONES  
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(54) VACUUM LIFTING DEVICE AND SYS-  
TEM  
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COMPRISING BUPROPION AND  
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*A61K 9/20* ( 2006.01 )  
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*B64C 39/02* ( 2023.01 )  
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C07D 471/04 ( 2006.01 )  
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A61M 60/13 ( 2021.01 )  
A61M 60/216 ( 2021.01 )  
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(11) AU-A-2023284982  
(21) 2023284982 (22) 08.06.2023  
(54) SYSTEMS AND METHODS FOR UROLOGICAL SENSING  
(51) Int. Cl.  
A61B 5/20 ( 2006.01 )  
A61B 5/00 ( 2006.01 )  
G16H 50/20 ( 2018.01 )  
(87) WO2023/239883  
(31) 63/350,305 (32) 08.06.22 (33) US  
63/447,765 23.02.23 US  
(43) 14.12.2023  
(72) HERRERA, Derek; NOWROOZI, Bryan; MONTAZEMI, Peman; SHAMKHALICHENAR, Hamed; ARNAL, Kevin; WENDL, Morgan; BURICH, Jordan  
(74) FB Rice Pty Ltd

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>(71) BRISTOL-MYERS SQUIBB COMPANY;<br/>CELGENE CORPORATION<br/>(11) AU-A-2023310875<br/>(21) 2023310875 (22) 19.07.2023<br/>(54) HETEROARYL COMPOUNDS AS LIG-<br/>AND DIRECTED DEGRADERS OF<br/>IRAK4<br/>(51) Int. Cl.<br/>C07D 401/14 ( 2006.01 )<br/>A61K 31/437 ( 2006.01 )<br/>A61P 29/00 ( 2006.01 )<br/>C07D 417/14 ( 2006.01 )<br/>C07D 471/04 ( 2006.01 )<br/>C07D 519/00 ( 2006.01 )<br/>(87) WO2024/020084<br/>(31) 63/390,888 (32) 20.07.22 (33) US<br/>(43) 25.01.2024<br/>(72) RASMUSSEN, Timothy; DAVIES,<br/>Geraint; GORMISKY, Paul; MA, Rulin;<br/>ELLIS, John Michael; HU, Lingbo-<br/>wei; SIU, Tony; VAN DER MEI, Farid;<br/>HAGER, Harry; MENG, Yilin<br/>(74) AJ PARK</p> | <p>(43) 04.01.2024<br/>(72) LIU, Xingjia; WANG, Tianlu; WU,<br/>Shixun; QI, Wenming<br/>(74) Michael Buck IP<br/>(71) C&amp;CS CATALYSTS AND CHEMICAL<br/>SPECIALTIES GMBH<br/>(11) AU-A-2023296756<br/>(21) 2023296756 (22) 29.06.2023<br/>(54) METHOD FOR CONVERTING OR-<br/>THOHYDROGEN TO PARAHYDRO-<br/>GEN<br/>(51) Int. Cl.<br/>C01B 3/00 ( 2006.01 )<br/>B01J 29/072 ( 2006.01 )<br/>(87) WO2024/003290<br/>(31) 10 2022 002 380.6 (32) 30.06.22 (33) DE<br/>10 2022 002 381.4 30.06.22 DE<br/>(43) 04.01.2024<br/>(72) EBERLE, Hans-Jürgen; TISSLER, Arno<br/>(74) Davies Collison Cave Pty Ltd</p>                                                                                                  | <p>(71) CAAMTECH, INC.<br/>(11) AU-A-2023285084<br/>(21) 2023285084 (22) 07.06.2023<br/>(54) 4-PIVALOYLOXY-N-METHYLTRYPT-<br/>AMMONIUM CHLORIDE<br/>(51) Int. Cl.<br/>C07D 209/16 ( 2006.01 )<br/>(87) WO2023/240104<br/>(31) 18/051,228 (32) 31.10.22 (33) US<br/>63/350,576 09.06.22 US<br/>(43) 14.12.2023<br/>(72) CHADEAYNE, Andrew, R.<br/>(74) Allens Patent &amp; Trade Mark Attorneys</p>                                                                                                                                                                                                 |
| <p>(71) BROKKR MINERAL RESOURCES<br/>CORPORATION<br/>(11) AU-A-2023295055<br/>(21) 2023295055 (22) 16.06.2023<br/>(54) MATERIALS AND METHODS FOR RE-<br/>COVERING METALS FROM ORE<br/>(51) Int. Cl.<br/>C22B 3/18 ( 2006.01 )<br/>C22B 23/00 ( 2006.01 )<br/>(87) WO2023/245183<br/>(31) 63/352,672 (32) 16.06.22 (33) US<br/>(43) 21.12.2023<br/>(72) CROWE, Sean; GREENE, Robert<br/>Crandall<br/>(74) Spruson &amp; Ferguson</p>                                                                                                                                                                                                                                                                 | <p>(71) CAAMTECH, INC.<br/>(11) AU-A-2023272176<br/>(21) 2023272176 (22) 22.05.2023<br/>(54) N-ISOPROPYL TRYPTAMINES AND<br/>METHOD OF MAKING MONOAL-<br/>KYLATED AND DIALKYLATED TRYPT-<br/>AMINE ANALOGS<br/>(51) Int. Cl.<br/>A61K 31/4045 ( 2006.01 )<br/>A61K 31/395 ( 2006.01 )<br/>A61K 31/407 ( 2006.01 )<br/>A61K 31/33 ( 2006.01 )<br/>(87) WO2023/225679<br/>(31) 63/344,145 (32) 20.05.22 (33) US<br/>63/385,263 29.11.22 US<br/>63/385,312 29.11.22 US<br/>63/385,267 29.11.22 US<br/>63/385,320 29.11.22 US<br/>63/385,289 29.11.22 US<br/>(43) 23.11.2023<br/>(72) CHADEAYNE, Andrew, R.<br/>(74) Allens Patent &amp; Trade Mark Attorneys</p>                                                 | <p>(71) CALICO LIFE SCIENCES LLC<br/>(11) AU-A-2023283381<br/>(21) 2023283381 (22) 08.06.2023<br/>(54) METHODS FOR ANALYZING PRO-<br/>TEOMIC ATTRIBUTES OF BIOLOGIC-<br/>AL SAMPLES, AND RELATED SYS-<br/>TEMS AND APPARATUS<br/>(51) Int. Cl.<br/>H01J 49/00 ( 2006.01 )<br/>G01N 33/68 ( 2006.01 )<br/>G16B 40/10 ( 2019.01 )<br/>(87) WO2023/239881<br/>(31) 63/350,411 (32) 08.06.22 (33) US<br/>(43) 14.12.2023<br/>(72) O'BRIEN, Jonathon; RAJ, Anil; GAUN,<br/>Aleksandr; WAITE, Adam; LI, Wenzhou;<br/>MCALLISTER, Fiona<br/>(74) Pizeys Patent and Trade Mark Attor-<br/>neys Pty Ltd</p> |
| <p>(71) BULL, A.<br/>(11) AU-A-2023287240<br/>(21) 2023287240 (22) 22.06.2023<br/>(54) A PHYSICAL THERAPY CALF<br/>STRETCHING EXERCISE AND<br/>DEVICE<br/>(51) Int. Cl.<br/>A63B 23/04 ( 2006.01 )<br/>A61H 1/02 ( 2006.01 )<br/>(87) WO2023/245246<br/>(31) 2022901730 (32) 23.06.22 (33) AU<br/>(43) 28.12.2023<br/>(72) BULL, Andrew<br/>(74) Patentec Patent Attorneys</p>                                                                                                                                                                                                                                                                                                                      | <p>(71) CAAMTECH, INC.<br/>(11) AU-A-2023273115<br/>(21) 2023273115 (22) 22.05.2023<br/>(54) TRYPTAMINE DERIVATIVES<br/>(51) Int. Cl.<br/>A61K 31/4045 ( 2006.01 )<br/>A61K 31/395 ( 2006.01 )<br/>A61K 31/407 ( 2006.01 )<br/>A61K 31/33 ( 2006.01 )<br/>(87) WO2023/225678<br/>(31) 63/344,119 (32) 20.05.22 (33) US<br/>63/344,122 20.05.22 US<br/>63/344,130 20.05.22 US<br/>63/344,133 20.05.22 US<br/>63/344,136 20.05.22 US<br/>63/344,137 20.05.22 US<br/>63/344,140 20.05.22 US<br/>63/344,142 20.05.22 US<br/>63/350,548 09.06.22 US<br/>63/350,550 09.06.22 US<br/>63/350,577 09.06.22 US<br/>(43) 23.11.2023<br/>(72) CHADEAYNE, Andrew, R.<br/>(74) Allens Patent &amp; Trade Mark Attorneys</p> | <p>(71) CALICO LIFE SCIENCES LLC<br/>(11) AU-A-2023295281<br/>(21) 2023295281 (22) 15.06.2023<br/>(54) METHODS OF PROTEIN ANALYSIS<br/>(51) Int. Cl.<br/>G01N 33/68 ( 2006.01 )<br/>B01D 15/00 ( 2006.01 )<br/>C07K 1/14 ( 2006.01 )<br/>G01N 30/00 ( 2006.01 )<br/>G01N 33/543 ( 2006.01 )<br/>(87) WO2023/244765<br/>(31) 63/366,448 (32) 15.06.22 (33) US<br/>(43) 21.12.2023<br/>(72) MCALLISTER, Fiona; GAUN,<br/>Aleksandr; OLSSON, Niclas<br/>(74) Pizeys Patent and Trade Mark Attor-<br/>neys Pty Ltd</p>                                                                                 |
| <p>(71) BYD COMPANY LIMITED<br/>(11) AU-A-2023301341<br/>(21) 2023301341 (22) 22.02.2023<br/>(54) ROTOR AND MOTOR<br/>(51) Int. Cl.<br/>H02K 1/27 ( 2022.01 )<br/>H02K 1/274 ( 2022.01 )<br/>H02K 1/2789 ( 2022.01 )<br/>H02K 21/12 ( 2006.01 )<br/>(87) WO2024/001234<br/>(31) 202210784919.9 (32) 29.06.22 (33) CN</p>                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <p>(71) CAMBRIDGE ENTERPRISE LIMITED<br/>(11) AU-A-2023276910<br/>(21) 2023276910 (22) 26.05.2023<br/>(54) GLUCAN BINDING PROTEIN FOR IM-<br/>PROVING NITROGEN FIXATION IN<br/>PLANTS<br/>(51) Int. Cl.<br/>C12N 15/82 ( 2006.01 )<br/>C07K 14/415 ( 2006.01 )<br/>(87) WO2023/227912<br/>(31) 2207774.7 (32) 26.05.22 (33) GB</p>                                                                                                                                                                                                                                                                 |

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(74) PHILLIPS ORMONDE FITZPATRICK
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(21) 2023300860 (22) 29.06.2023  
(54) PHARMACEUTICAL COMPOSITION COMPRISING A3 ADENOSINE RECEPTOR AGONIST FOR TREATMENT OF PSORIASIS  
(51) Int. Cl.  
A61K 31/7076 ( 2006.01 )  
A61P 17/06 ( 2006.01 )  
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(31) 294409 (32) 29.06.22 (33) IL  
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(72) FISHMAN, Pnina  
(74) FPA Patent Attorneys Pty Ltd
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- (71) CARBFIx HF.  
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(51) Int. Cl.  
B01D 53/14 ( 2006.01 )  
E21B 41/00 ( 2006.01 )  
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(74) FPA Patent Attorneys Pty Ltd
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(54) MULTI-PARAMETER MEASURE-MENT-WHILE-DRILLING SYSTEM FOR UNDERGROUND COAL MINES, AND MEASUREMENT METHOD  
(51) Int. Cl.  
E21B 47/12 ( 2012.01 )  
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(54) WELL-GROUND COMBINED MINING COILED TUBING DIRECTION-
- AL FRACTURING GAS EXTRACTION SYSTEM AND METHOD  
(51) Int. Cl.  
E21F 7/00 ( 2006.01 )  
E21B 43/267 ( 2006.01 )  
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- (71) CCTEG XI'AN RESEARCH INSTITUTE (GROUP) CO., LTD.  
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(54) DRILLING-OPERATION-PARAMETER ADAPTIVE DECISION MAKING METHOD BASED ON FEEDING DAMPING AND MECHANICAL SPECIFIC ENERGY  
(51) Int. Cl.  
G06Q 10/04 ( 2023.01 )  
E21B 44/00 ( 2006.01 )  
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(43) 04.04.2024  
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(74) FB Rice Pty Ltd
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- (71) CELLORAM INC.  
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(54) CELASTROL DERIVATIVES  
(51) Int. Cl.  
C07J 63/00 ( 2006.01 )  
A61K 31/575 ( 2006.01 )  
A61P 1/16 ( 2006.01 )  
A61P 3/04 ( 2006.01 )  
A61P 3/10 ( 2006.01 )  
A61P 9/10 ( 2006.01 )  
A61P 25/00 ( 2006.01 )  
A61P 25/14 ( 2006.01 )  
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A61P 25/28 ( 2006.01 )  
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A61P 37/02 ( 2006.01 )  
A61P 37/08 ( 2006.01 )  
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(74) Blue Penguin IP Ltd
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(51) Int. Cl.  
C12Q 1/6883 ( 2018.01 )  
C12Q 1/6809 ( 2018.01 )
- C12Q 1/6869 ( 2018.01 )  
G16B 20/00 ( 2019.01 )  
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(74) Griffith Hack
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- (71) CHANGSHA CHUSI WEIKANG INTELLIGENT TECHNOLOGY CO., LTD  
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(54) CELL CULTURE METHOD, CELL CULTURE CONTAINER, AND CELL CULTURE DEVICE  
(51) Int. Cl.  
C12M 3/00 ( 2006.01 )  
C12M 1/00 ( 2006.01 )  
C12M 1/04 ( 2006.01 )  
C12M 1/12 ( 2006.01 )  
C12M 1/24 ( 2006.01 )  
C12M 1/26 ( 2006.01 )  
C12M 1/34 ( 2006.01 )  
C12M 1/36 ( 2006.01 )  
C12M 1/38 ( 2006.01 )  
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(74) Peng Zhang
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- (71) CHERY AUTOMOBILE CO., LTD.  
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(54) VEHICLE PARAMETER DETERMINATION METHOD, TORQUE DISTRIBUTION METHOD, DEVICE, AND VEHICLE  
(51) Int. Cl.  
B60L 15/20 ( 2006.01 )  
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(74) Griffith Hack
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- (71) CHERY AUTOMOBILE CO., LTD.  
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(54) ENDURANCE MILEAGE DETERMINATION METHOD AND APPARATUS, AND HYBRID ELECTRIC VEHICLE AND STORAGE MEDIUM  
(51) Int. Cl.  
B60L 58/12 ( 2019.01 )  
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(72) SU, Wanqiang; ZHOU, Chongguang  
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- (71) CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD.  
(11) AU-A-2023283561

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(54) USE OF CDK4/6 INHIBITOR IN TREATMENT OF DEDIFFERENTIATED LIPOSARCOMA  
(51) Int. Cl.  
**C07D 401/14** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
(87) WO2023/237055  
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(72) YU, Ding; WANG, Xunqiang; CUI, Sisi  
(74) Davies Collison Cave Pty Ltd

(71) CHINA ENFI ENGINEERING CORPORATION; CHINA ENFI ENGINEERING CO., LTD.  
(11) AU-A-2023412446  
(21) 2023412446 (22) 22.12.2023  
(54) METHOD FOR IMPROVING QUALITY OF INTERMEDIATE PRODUCT OF MIXED NICKEL-COBALT HYDROXIDE PRECIPITATE, AND HYDROMETALLURGICAL TREATMENT METHOD  
(51) Int. Cl.  
**C22B 23/00** ( 2006.01 )  
**C22B 1/02** ( 2006.01 )  
**C22B 3/06** ( 2006.01 )  
**C22B 3/08** ( 2006.01 )  
**C22B 3/10** ( 2006.01 )  
**C22B 3/16** ( 2006.01 )  
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(74) Madderns Pty Ltd

(71) CHIOME BIOSCIENCE INC.; CEINGE BIOTECNOLOGIE AVANZATE FRANCO SALVATORE SCARL  
(11) AU-A-2023300945  
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(54) FUSION PROTEIN  
(51) Int. Cl.  
**C12N 15/62** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
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**C07K 16/28** ( 2006.01 )  
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**C12N 15/63** ( 2006.01 )  
**C12P 21/08** ( 2006.01 )  
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(72) NAKAMURA Koji; HASHIMOTO Shuichi; YOSHIOKA Asami; TAKAHASHI Kota; INOUE Toshikazu; SANO Hitomi; DE LORENZO, Claudia; PASSARIELLO, Margherita  
(74) FB Rice Pty Ltd

(71) CHIRAL LTD; YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD.; YEDA RESEARCH AND DEVELOPMENT CO. LTD.  
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(54) A METHOD FOR CONTROLLING A WORK FUNCTION OF AT LEAST ONE SURFACE, ELECTRODE, ELECTROCHEMICAL CELL ENERGY STORAGE DEVICE, PHOTOVOLTAIC CELL AND ELECTRICAL COMPONENT THEREOF  
(51) Int. Cl.  
**H10K 85/00** ( 2023.01 )  
**C25B 1/04** ( 2021.01 )  
**C25B 1/55** ( 2021.01 )  
**C25B 11/051** ( 2021.01 )  
**H01G 9/042** ( 2006.01 )  
(87) WO2023/228196  
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63/390,300 19.07.22 US  
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(74) FPA Patent Attorneys Pty Ltd

(71) CHR. HANSEN A/S  
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(54) POLYSACCHARIDES RESULTING IN IMPROVED TEXTURE OF DAIRY PRODUCTS  
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**C08B 37/00** ( 2006.01 )  
**A61K 35/744** ( 2015.01 )  
**C12N 1/20** ( 2006.01 )  
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(74) Spruson & Ferguson

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(11) AU-A-2023289294  
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(54) COMPOSITIONS AND METHODS FOR EPIGENETIC EDITING  
(51) Int. Cl.  
**C12N 9/10** ( 2006.01 )  
**A61K 38/45** ( 2006.01 )  
**C07K 14/47** ( 2006.01 )  
**C12N 15/52** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )  
**C07K 14/195** ( 2006.01 )  
**C07K 19/00** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
(87) WO2023/250183  
(31) 63/354,931 (32) 23.06.22 (33) US  
(43) 28.12.2023  
(72) FRIEDLAND, Ari; MORRISON, Mary Shirley; MYER, Vic  
(74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

(71) CHUGAI SEIYAKU KABUSHIKI KAISHA  
(11) AU-A-2023264918  
(21) 2023264918 (22) 02.05.2023  
(54) CYCLIC COMPOUND HAVING SELECTIVE KRAS INHIBITORY EFFECT ON HRAS AND NRAS  
(51) Int. Cl.  
**C07K 7/64** ( 2006.01 )  
**A61K 38/12** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 7/06** ( 2006.01 )  
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(31) 2022-076449 (32) 06.05.22 (33) JP  
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(74) Spruson & Ferguson

(71) CJ CHEILJEDANG CORPORATION  
(11) AU-A-2023286302  
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(54) L-HISTIDINE EXPORT PROTEIN AND METHOD FOR PRODUCING L-HISTIDINE BY USING SAME  
(51) Int. Cl.  
**C07K 14/195** ( 2006.01 )  
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(54) SYSTEMS AND METHODS FOR AI-  
ASSISTED ECHOCARDIOGRAPHY  
(51) Int. Cl.

**G16H 50/20** ( 2018.01 )  
**A61B 8/06** ( 2006.01 )  
**A61B 8/08** ( 2006.01 )  
**G06F 18/15** ( 2023.01 )  
**G06F 18/214** ( 2023.01 )  
**G06N 3/047** ( 2023.01 )  
**G06N 3/09** ( 2023.01 )  
**G06V 10/774** ( 2022.01 )  
**G06V 10/82** ( 2022.01 )  
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(72) WATTS, Andrew Lisle; PLAYFORD,  
David  
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(71) ECOSUBSEA AS  
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(54) TORNADO MACROFOULING COL-  
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(51) Int. Cl.

**B63B 59/08** ( 2006.01 )  
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**B08B 7/04** ( 2006.01 )

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(71) ELC MANAGEMENT LLC  
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(54) COMPOSITIONS FOR CONTROLLED RELEASE OF ACTIVES  
(51) Int. Cl.  
A61K 8/81 ( 2006.01 )  
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(72) LEE, Wilson A. (Dr.); MAIDHOF, Robert; MASLIN, Danielle Erin  
(74) PHILLIPS ORMONDE FITZPATRICK

(71) ELECTROLATCH (PTY) LTD  
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(21) 2023278497 (22) 31.05.2023  
(54) LATCH MECHANISM  
(51) Int. Cl.  
E05B 77/04 ( 2014.01 )  
E05C 3/12 ( 2006.01 )  
E05C 19/02 ( 2006.01 )  
E05B 19/06 ( 2006.01 )  
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(87) WO2023/233332  
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(72) SERFONTEIN, Christiaan Johannes Hendrik; HOLDEN, Dennis Mark; STEYN, Luan; POPICH, Nicholas Daniel  
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(54) EXTRACTION DEVICE FOR EXTRACTION OF AIR AND HOUSEHOLD APPLIANCE  
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F24C 15/20 ( 2006.01 )  
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(72) FALCOMER, Daniele; RADHIMA, Ines; LUKIANOVA, Mariia; MERLONI, Marco  
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C12Q 1/6869 ( 2018.01 )  
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G16B 30/00 ( 2019.01 )  
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(72) ALTOMARE, Andrew  
(74) Spruson & Ferguson

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A61K 47/68 ( 2017.01 )  
A61P 1/00 ( 2006.01 )  
A61P 11/00 ( 2006.01 )  
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A61P 17/00 ( 2006.01 )  
A61P 29/00 ( 2006.01 )  
A61P 37/08 ( 2006.01 )  
C07J 71/00 ( 2006.01 )  
C07K 16/28 ( 2006.01 )

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C12N 15/113 ( 2010.01 )  
A61K 31/713 ( 2006.01 )

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(51) Int. Cl.  
H02J 3/32 ( 2006.01 )  
G06Q 10/0631 ( 2023.01 )  
G06Q 50/06 ( 2012.01 )  
H02J 3/46 ( 2006.01 )

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(72) SALMENKAITA, Jukka-Pekka; HOLM-BACKA, Simon  
(74) Integrated IP

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(54) POLISHING AND/OR SANDING HEAD AS WELL AS POLISHING AND/OR SANDING MACHINE EQUIPPED WITH THIS HEAD  
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B24B 41/00 ( 2006.01 )  
B24B 23/03 ( 2006.01 )  
B24B 23/04 ( 2006.01 )  
B24B 27/00 ( 2006.01 )  
B24B 41/047 ( 2006.01 )  
B24B 47/12 ( 2006.01 )  
B24B 47/16 ( 2006.01 )

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(72) VERHOECKX, Guido Arnoldus Gerardus  
(74) LAMINAR IP PTY LTD

(71) ENDIATX, INC.  
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(54) INGESTIBLE DEVICE WITH PROPULSION CAPABILITY INCLUDING DIRECT Z-AXIS TRANSLATIONAL MOBILITY  
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A61B 1/04 ( 2006.01 )  
A61B 1/06 ( 2006.01 )  
A61B 34/30 ( 2016.01 )  
A61B 5/07 ( 2006.01 )  
H04N 5/40 ( 2006.01 )  
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(74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

(71) ENTERIN, INC.  
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(54) AMINOSTEROL COMPOUNDS, AMINOSTEROL-CYCLODEXTRIN FORMULATIONS, AND METHODS OF USING THE SAME  
(51) Int. Cl.

C07J 41/00 ( 2006.01 )  
A61K 9/08 ( 2006.01 )  
A61K 31/575 ( 2006.01 )  
A61K 31/58 ( 2006.01 )  
A61K 47/69 ( 2017.01 )  
A61P 3/04 ( 2006.01 )  
A61P 3/10 ( 2006.01 )  
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KINNEY, William A.  
(74) Spruson & Ferguson

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(54) ADAPTOR LIGATION  
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**C12Q 1/6865** ( 2018.01 )  
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(72) ELSÄSSER, Simon; YUNG, Yuk Kwong  
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(54) HIGH ENERGY DENSITY ELECTRO-  
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Yang  
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(54) NUCLEIC ACID COMPOUNDS  
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LONGDEN, James; DE SANTIAGO,  
Ines; BROWN, Duncan; MORTAZAVI,  
Ahmad Ali; MANNELLA, Viviana; JA-  
YARAMAN, Muthusamy; ELLE, Dami-  
an; GALLAFENT, Alison; ROCA-  
ALONSO, Laura; DEBACKER, Alexan-  
dre  
(74) Griffith Hack

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**C12N 15/113** ( 2010.01 )  
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(72) MCCARTHY, Amy; CRAGGS, Graham;  
LONGDEN, James; DE SANTIAGO,  
Ines; BROWN, Duncan; MORTAZAVI,  
Ahmad Ali; MANNELLA, Viviana; JA-  
YARAMAN, Muthusamy; ELLE, Dami-  
an; GALLAFENT, Alison; ROCA-  
ALONSO, Laura; DEBACKER, Alexan-  
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(54) NUCLEIC ACID COMPOUNDS  
(51) Int. Cl.  
**C12N 15/113** ( 2010.01 )  
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63/370,462 04.08.22 US  
23155089.8 06.02.23 EP

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(72) MCCARTHY, Amy; CRAGGS, Graham;  
LONGDEN, James; DE SANTIAGO,  
Ines; BROWN, Duncan; MORTAZAVI,  
Ahmad Ali; MANNELLA, Viviana; JA-  
YARAMAN, Muthusamy; ELLE, Dami-  
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ALONSO, Laura  
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LABORATORY  
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(54) CRISPR-BASED MODULAR TOOL  
FOR THE SPECIFIC INTRODUCTION  
OF EPIGENETIC MODIFICATIONS AT  
TARGET LOCI  
(51) Int. Cl.  
**A61P 25/28** ( 2006.01 )  
**C12N 9/10** ( 2006.01 )  
**C12N 9/22** ( 2006.01 )  
**C12N 15/00** ( 2006.01 )  
**C12N 15/10** ( 2006.01 )  
**C12N 15/11** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
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(72) HACKETT, Jamie; POLICARPI, Cristina  
(74) PHILLIPS ORMONDE FITZPATRICK

(71) EVERSEEN LIMITED  
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(54) SELF-CHECKOUT DEVICE  
(51) Int. Cl.  
**G07G 1/06** ( 2006.01 )  
**A47F 9/04** ( 2006.01 )  
**G06Q 20/20** ( 2012.01 )  
**G06V 10/70** ( 2022.01 )  
**G06V 20/60** ( 2022.01 )  
**G07G 1/00** ( 2006.01 )  
**G07G 1/14** ( 2006.01 )  
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(74) James & Wells Intellectual Property

(71) F. HOFFMANN-LA ROCHE AG  
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(54) A METHOD AND AN ANALYTE  
SENSOR SYSTEM FOR DETECTING  
AT LEAST ONE ANALYTE  
(51) Int. Cl.  
**A61B 5/145** ( 2006.01 )  
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**A61B 5/1495** ( 2006.01 )  
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(72) SLIOZBERG, Kirill  
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PRISING A PHAGE LYSATE FOR  
MAINTAINING NATURAL SKIN MI-  
CROFLORA AND SUPPRESSING  
PATHOGENIC BACTERIA  
(51) Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A01N 63/40** ( 2020.01 )  
**A61K 9/06** ( 2006.01 )  
**A61K 47/32** ( 2006.01 )  
**A61P 31/04** ( 2006.01 )  
**C12N 7/00** ( 2006.01 )  
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(72) MOSA, Marek; BENESIK, Martin;  
SOPIKOVA, Tereza  
(74) Griffith Hack

(71) FIRST QUALITY TISSUE, LLC  
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(51) Int. Cl.  
**D21H 21/20** ( 2006.01 )  
**D21C 5/02** ( 2006.01 )  
**D21H 11/12** ( 2006.01 )  
**D21H 11/14** ( 2006.01 )  
**D21H 17/55** ( 2006.01 )  
**D21H 17/56** ( 2006.01 )  
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(72) SEALY II, James E.; BRENNAN, Kevin  
P.; PENCE, Justin S.; RIEHLE, Richard  
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 (54) COMPOSITIONS AND METHODS FOR MODULATING CIRCULATING FACTORS  
 (51) Int. Cl.  
**C12Q 1/6883** ( 2018.01 )  
**A61K 38/05** ( 2006.01 )  
**A61K 38/06** ( 2006.01 )  
**C12Q 1/6886** ( 2018.01 )  
**G01N 33/53** ( 2006.01 )  
**G01N 33/574** ( 2006.01 )  
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(71) FLUID HANDLING LLC  
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 (54) RESIDENTIAL HYDRONIC MAGNETIC, SEDIMENT, AND AIR SEPARATION DEVICE WITH MAINTENANCE INDICATOR  
 (51) Int. Cl.  
**B01D 35/06** ( 2006.01 )  
**B01D 21/02** ( 2006.01 )  
**B01D 36/00** ( 2006.01 )  
**B03C 1/30** ( 2006.01 )  
**C02F 1/20** ( 2023.01 )  
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 (72) EVANS, Stanley, Paul, Jr.; LEE, Barry  
 (74) PHILLIPS ORMONDE FITZPATRICK

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 (54) FILTER CARTRIDGE FOR SWIMMING POOLS AND SPAS  
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**B01D 29/90** ( 2006.01 )  
**E04H 4/12** ( 2006.01 )  
**E04H 4/16** ( 2006.01 )  
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 (72) CIESLAK, Ryszard Stanislaw; VOHMANN, Timothy James; BUTLER, Brendan John  
 (74) FB Rice Pty Ltd

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 (54) INFILTRATION POINT DETECTION  
 (51) Int. Cl.  
**E21B 49/00** ( 2006.01 )  
**E02D 1/02** ( 2006.01 )  
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 (54) CONCRETE ADMIXTURES  
 (51) Int. Cl.  
**C04B 40/00** ( 2006.01 )  
**C04B 103/30** ( 2006.01 )  
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 (72) KIM, Justin (Byung Gi); INAMDAR, Madhav G  
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(71) FUJIFILM CORPORATION  
 (11) AU-A-2023288971  
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 (54) SYSTEM FOR PROVIDING CELLULAR PRODUCT  
 (51) Int. Cl.  
**A61K 35/12** ( 2015.01 )  
**C12M 1/00** ( 2006.01 )  
**C12M 1/38** ( 2006.01 )  
**C12N 1/04** ( 2006.01 )  
**C12N 5/078** ( 2010.01 )  
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 (72) NAKAMURA Kentaro  
 (74) Griffith Hack

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(71) FUJITSU GENERAL LIMITED  
 (11) AU-A-2023302274  
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 (54) AIR CONDITIONER  
 (51) Int. Cl.  
**F25B 1/00** ( 2006.01 )  
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 (72) NAKATA, Shohei; HIROSAKI, Yu  
 (74) Spruson & Ferguson

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(71) GACW INCORPORATED  
 (11) AU-A-2023278806  
 (21) 2023278806 (22) 24.05.2023  
 (54) WHEEL ASSEMBLY INCLUDING AXLE ATTACHMENT ASSEMBLY HAVING ROTATIONALLY SPACED INBOARD AND OUTBOARD ARCuate ARMS AND RELATED METHODS  
 (51) Int. Cl.

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**B60B 9/26** ( 2006.01 )  
**B60B 9/28** ( 2006.01 )  
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 (72) KEMENY, Zoltan  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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(71) GACW INCORPORATED  
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 (21) 2023281475 (22) 24.05.2023  
 (54) WHEEL ASSEMBLY INCLUDING HINGED OUTER RIM SEGMENTS AND RELATED METHODS  
 (51) Int. Cl.  
**B60B 9/24** ( 2006.01 )  
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**B60B 9/28** ( 2006.01 )  
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 (72) KEMENY, Zoltan  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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 (54) DETECTION OF CELL DAMAGE  
 (51) Int. Cl.  
**C12Q 1/6883** ( 2018.01 )  
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 (31) 2022901697 (32) 21.06.22 (33) AU  
 (43) 28.12.2023  
 (72) MURRAY, David Hugh; BOULTER, Nicola Rosalind  
 (74) WRAYS PTY LTD

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(71) GENENTECH, INC.; F. HOFFMANN-LA ROCHE AG  
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 (54) METHODS FOR TREATMENT OF PREVIOUSLY UNTREATED FOLLICULAR LYMPHOMA WITH MOSUNETUZUMAB AND LENALIDOMIDE  
 (51) Int. Cl.  
**A61P 35/00** ( 2006.01 )  
**A61K 31/454** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
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 (54) ANTI-STEAP1 ANTIGEN-BINDING MOLECULES AND USES THEREOF  
 (51) Int. Cl.

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**(74)** Griffith Hack
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- (71)** GENERAL ATOMICS AERONAUTICAL SYSTEMS, INC.  
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**(54)** RELATIVE NAVIGATION FOR AERIAL RECOVERY OF AIRCRAFT  
**(51)** Int. Cl.  
**B64C 39/02** ( 2023.01 )  
**B64D 3/02** ( 2006.01 )  
**B64D 5/00** ( 2006.01 )  
**B64U 70/30** ( 2023.01 )  
**G01S 19/13** ( 2010.01 )  
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**(54)** SHELF-STABLE AND SATISFYING SOFT-BAKED SNACK PRODUCT  
**(51)** Int. Cl.  
**A21D 2/18** ( 2006.01 )  
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**(74)** FB Rice Pty Ltd
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**(54)** SATISFYING AND NON-PERISHABLE SOFT-BAKED SNACK PRODUCT WITH CRISPY PIECES  
**(51)** Int. Cl.  
**A21D 2/18** ( 2006.01 )  
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**(54)** LIPID NANOPARTICLE COMPOSITIONS AND USES THEREOF  
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**(54)** AUTOMATIC ALIGNMENT OF VIDEO STREAMS  
**(51)** Int. Cl.  
**H04N 21/262** ( 2011.01 )  
**H04N 23/66** ( 2023.01 )  
**H04N 7/18** ( 2006.01 )  
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**(51)** Int. Cl.  
**E21B 43/26** ( 2006.01 )  
**G01V 1/30** ( 2006.01 )  
**E21B 44/00** ( 2006.01 )  
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**(54)** METHODS FOR CALCINING GYPSUM  
**(51)** Int. Cl.  
**C04B 11/02** ( 2006.01 )  
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**(54)** ANTI-TUMOR AGENT CONTAINING RNA, AND USE THEREOF  
**(51)** Int. Cl.  
**A61K 31/7088** ( 2006.01 )  
**A61K 31/712** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
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**(11)** AU-A-2023284754  
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**(51)** Int. Cl.  
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**(51)** Int. Cl.  
**B65D 5/64** ( 2006.01 )  
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(51) Int. Cl.  
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(54) FREQUENCY CONVERTER COOLING  
DEVICE, COOLING METHOD AND  
AIR CONDITIONING APPARATUS  
(51) Int. Cl.  
**H05K 7/20** ( 2006.01 )  
**F25B 41/24** ( 2021.01 )  
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**F25B 49/02** ( 2006.01 )  
**H02M 1/00** ( 2007.01 )  
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(21) 2023300562 (22) 30.06.2023  
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POLAR PLATES CONFIGURED FOR  
USE IN AN ELECTROLYSER STACK  
AND USE OF BIPOLAR PLATES  
(51) Int. Cl.  
**C25B 1/04** ( 2021.01 )  
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(54) STABLE PLASMIN COMPOSITIONS  
FOR ORGAN PRESERVATION AND  
RECONDITIONING  
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**A01N 1/02** ( 2006.01 )  
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BIO MEDTECH DEVICE CO., LTD;  
GUANGDONG HYBRIBIO BIOTECH  
CO., LTD.  
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LIVING CELLS  
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**B01L 3/00** ( 2006.01 )  
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(54) ASSEMBLY FOR ASSEMBLING AT  
LEAST ONE MODULAR ELECTRICAL  
APPARATUS TO A MOUNTING RAIL  
FOR A DISTRIBUTION BOX, MODU-  
LAR ELECTRICAL APPARATUS, AS-  
SOCIATED MOUNTING RAIL AND  
ELECTRICAL DISTRIBUTION BOX  
(51) Int. Cl.  
**H02B 1/052** ( 2006.01 )  
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BRISTLE CONFIGURATION  
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**A46B 9/04** ( 2006.01 )  
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**A46B 9/06** ( 2006.01 )  
**A46D 1/00** ( 2006.01 )  
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(54) DENTURE ADHESIVE  
(51) Int. Cl.

**A61K 6/35** ( 2020.01 )  
**A61K 6/884** ( 2020.01 )  
**C08L 1/28** ( 2006.01 )  
**C08L 35/08** ( 2006.01 )  
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(54) APPARATUS AND METHODS FOR  
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**G01N 33/538** ( 2006.01 )  
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**B01D 61/18** ( 2006.01 )  
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(54) METHODS AND SYSTEMS FOR OB-  
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**G06V 10/82** ( 2022.01 )  
**G06V 20/13** ( 2022.01 )  
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(51) Int. Cl.  
**A61K 31/4985** ( 2006.01 )  
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(21) 2023276854 (22) 23.05.2023  
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POSITION AND A METHOD TO PRO-  
DUCE A LOW CARBON CONCRETE  
COMPOSITION  
(51) Int. Cl.  
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ATED CONSTRUCTION ELEMENTS  
(51) Int. Cl.  
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**C07K 16/28** ( 2006.01 )
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SYSTEMS FOR EVALUATING CAM-  
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(51) Int. Cl.  
**G06T 7/33** ( 2017.01 )  
**G06T 7/73** ( 2017.01 )  
**G06V 10/75** ( 2022.01 )  
**G06V 20/64** ( 2022.01 )  
**G06T 1/00** ( 2006.01 )  
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(54) MICRO-OPTICS MODULE FOR  
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SENSORS AND METHOD FOR ITS  
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(51) Int. Cl.  
**B33Y 80/00** ( 2015.01 )  
**G01R 15/24** ( 2006.01 )
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TRANSMITTING SIGNALING  
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SYSTEM, AND COMMUNICATION AP-  
PARATUS  
(51) Int. Cl.  
**H04L 5/00** ( 2006.01 )  
**H04B 1/69** ( 2011.01 )
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(54) COMMUNICATION METHOD AND AP-  
PARATUS BASED ON PHYSICAL LAY-  
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**H04B 1/69** ( 2011.01 )  
**H04L 27/34** ( 2006.01 )
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**A61P 11/00** ( 2006.01 )  
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**B01F 27/271** ( 2022.01 )  
**B02C 7/06** ( 2006.01 )  
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**C07F 5/02** ( 2006.01 )  
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**C12Q 1/00** ( 2006.01 )  
**G01N 33/00** ( 2006.01 )  
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 NEWMAN, Peter  
**(74)** FPA Patent Attorneys Pty Ltd
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 FOR AUTOMATIC OBJECT DETEC-  
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 ING  
**(51)** Int. Cl.  
**G06V 20/58** ( 2022.01 )  
**B60W 40/02** ( 2006.01 )  
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 TORS  
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 LAYERS, AND ASSOCIATED SYS-  
 TEMS AND METHODS  
**(51)** Int. Cl.  
**A61M 25/00** ( 2006.01 )  
**B29C 53/58** ( 2006.01 )  
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 John Coleman; MERRITT, Benjamin  
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 FULLER, Donald Joseph  
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**(21)** 2023288051 **(22)** 19.06.2023  
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 TEM  
**(51)** Int. Cl.  
**A47B 61/04** ( 2006.01 )  
**A47B 88/40** ( 2017.01 )  
**A47B 88/975** ( 2017.01 )  
**A47F 7/08** ( 2006.01 )  
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**(54)** METHODS OF DETECTING DDR1  
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**(51)** Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
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**G01N 33/574** ( 2006.01 )  
**G01N 33/68** ( 2006.01 )  
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**A61B 5/01** ( 2006.01 )  
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**G06F 1/00** ( 2006.01 )  
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**(21)** 2023299307 **(22)** 30.06.2023  
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 ANTIBODY THERAPY AND RELATED  
 METHODS  
**(51)** Int. Cl.  
**A61K 39/00** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61M 16/18** ( 2006.01 )  
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**A61M 11/04** ( 2006.01 )  
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 AND IRON  
**(51)** Int. Cl.  
**B01J 31/28** ( 2006.01 )  
**B01J 37/08** ( 2006.01 )  
**B01J 37/16** ( 2006.01 )  
**C01C 1/04** ( 2006.01 )  
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**(72)** HARA, Michikazu; HATTORI, Masashi  
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**(54)** WEARABLE DRUG DELIVERY  
 DEVICE WITH INCORPORATED FIL-  
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**A61M 5/165** ( 2006.01 )  
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(51) Int. Cl.  
*G06F 11/34* ( 2006.01 )  
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*C12N 15/113* ( 2010.01 )  
*A61K 38/16* ( 2006.01 )  
*C07K 14/005* ( 2006.01 )  
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*C12N 7/01* ( 2006.01 )  
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(54) TEXT FEATURE GUIDED VISUAL  
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(51) Int. Cl.  
*G06F 16/55* ( 2019.01 )  
*G06F 16/583* ( 2019.01 )  
*G06N 3/02* ( 2006.01 )  
*G06N 20/00* ( 2019.01 )  
*G06V 10/70* ( 2022.01 )  
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*G07C 9/25* ( 2020.01 )  
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*B66B 1/46* ( 2006.01 )  
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(21) 2023276873 (22) 25.05.2023  
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AND METHOD FOR DRYING  
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(51) Int. Cl.  
*C02F 11/122* ( 2019.01 )  
*B32B 1/08* ( 2006.01 )  
*C02F 11/121* ( 2019.01 )  
*C02F 11/123* ( 2019.01 )  
*C02F 11/128* ( 2019.01 )  
*C02F 1/38* ( 2023.01 )  
*C02F 11/127* ( 2019.01 )  
*C02F 103/20* ( 2006.01 )  
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(74) GLMR
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AND MONITORING SYSTEM  
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*G01L 1/22* ( 2006.01 )  
*E04G 5/00* ( 2006.01 )  
*G01L 5/00* ( 2006.01 )  
*G08B 21/02* ( 2006.01 )  
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METRIC VALUE, ACCORDING TO  
WHETHER BIOMETRIC VALUE IS  
STABILIZED, IN BIOMETRIC INFORM-  
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*G06F 18/2137* ( 2023.01 )  
*G06N 3/0455* ( 2023.01 )  
*G06N 3/0464* ( 2023.01 )  
*G06T 7/62* ( 2017.01 )  
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*G06V 10/46* ( 2022.01 )  
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C07K 16/28 ( 2006.01 )  
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A61P 35/00 ( 2006.01 )  
C12N 15/13 ( 2006.01 )  
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C12N 15/74 ( 2006.01 )  
A23K 10/16 ( 2016.01 )  
C07K 14/435 ( 2006.01 )  
C12P 5/02 ( 2006.01 )  
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*B06B 1/06* ( 2006.01 )  
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**G06F 3/01** ( 2006.01 )  
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**B29C 70/08** ( 2006.01 )  
**C08F 8/00** ( 2006.01 )  
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**C08F 8/46** ( 2006.01 )  
**C08J 3/05** ( 2006.01 )  
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**A01C 11/02** ( 2006.01 )  
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C07K 7/08 ( 2006.01 )  
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C12N 5/07 ( 2010.01 )  
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A61M 60/191 ( 2021.01 )  
A61M 60/865 ( 2021.01 )  
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A24F 40/30 ( 2020.01 )  
A24D 1/20 ( 2020.01 )  
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(74) James & Wells Intellectual Property
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A24B 15/16 ( 2020.01 )  
A24B 15/12 ( 2006.01 )  
A24B 15/30 ( 2006.01 )
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A24F 40/20 ( 2020.01 )  
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(74) Intelpro Patent & Trade Mark Attorneys
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| <p><b>(71)</b> RANDVER, P.<br/> <b>(11)</b> AU-A-2023277147<br/> <b>(21)</b> 2023277147 <b>(22)</b> 22.05.2023<br/> <b>(54)</b> MIXER FOR DISSOLVING TABLETS<br/> <b>(51)</b> Int. Cl.<br/> <b>B01F 21/20</b> ( 2022.01 )<br/> <b>A47L 15/44</b> ( 2006.01 )<br/> <b>B01F 33/501</b> ( 2022.01 )<br/> <b>B01F 35/22</b> ( 2022.01 )<br/> <b>B65D 83/04</b> ( 2006.01 )<br/> <b>B65D 85/804</b> ( 2006.01 )<br/> <b>(87)</b> WO2023/229511<br/> <b>(31)</b> 2230159-2 <b>(32)</b> 23.05.22 <b>(33)</b> SE<br/> <b>(43)</b> 30.11.2023<br/> <b>(72)</b> RANDVER, Pontus<br/> <b>(74)</b> DAVIS IP PTY LTD</p>                                                                 | <p><b>(71)</b> RENTOKIL INITIAL 1927 PLC<br/> <b>(11)</b> AU-A-2023274037<br/> <b>(21)</b> 2023274037 <b>(22)</b> 17.05.2023<br/> <b>(54)</b> DOOR SEAL FOR PREVENTING THE PASSAGE OF RODENTS<br/> <b>(51)</b> Int. Cl.<br/> <b>E06B 7/23</b> ( 2006.01 )<br/> <b>E06B 9/17</b> ( 2006.01 )<br/> <b>(87)</b> WO2023/223025<br/> <b>(31)</b> 2207226.8 <b>(32)</b> 17.05.22 <b>(33)</b> GB<br/> <b>(43)</b> 23.11.2023<br/> <b>(72)</b> JONES, Craig; BROWN, Mark; CHISHOLM, Emma; DEXTER, Nikki; PLOWMAN, Sam<br/> <b>(74)</b> FB Rice Pty Ltd</p>                                                                                                                | <p><b>(71)</b> RI Hou<br/> <b>(11)</b> AU-A-2023298501<br/> <b>(21)</b> 2023298501 <b>(22)</b> 05.01.2023<br/> <b>(54)</b> SOLAR POWER PLANT MANAGEMENT SYSTEM, ASSET MANAGEMENT PLATFORM, PROGRAM, MACHINE MANAGEMENT SYSTEM, AND INFORMATION PROCESSING METHOD<br/> <b>(51)</b> Int. Cl.<br/> <b>G06Q 10/20</b> ( 2023.01 )<br/> <b>(87)</b> WO2024/004237<br/> <b>(31)</b> 2022-103355 <b>(32)</b> 28.06.22 <b>(33)</b> JP<br/> <b>(43)</b> 04.01.2024<br/> <b>(72)</b> RI Hou<br/> <b>(74)</b> FB Rice Pty Ltd</p>                                                                                                                                             |
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A61K 31/713 ( 2006.01 )  
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C12N 15/113 ( 2010.01 )  
A61K 31/7105 ( 2006.01 )  
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C12P 19/18 ( 2006.01 )  
A23K 20/163 ( 2016.01 )  
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(74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd
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(51) Int. Cl.  
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B33Y 50/02 ( 2015.01 )  
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H04W 4/02 ( 2018.01 )  
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A23L 33/17 ( 2016.01 )  
A23L 33/19 ( 2016.01 )  
A61K 35/14 ( 2015.01 )  
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A61P 43/00 ( 2006.01 )  
C07K 14/47 ( 2006.01 )  
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H04M 1/02 ( 2006.01 )  
F16C 11/04 ( 2006.01 )  
G06F 1/16 ( 2006.01 )  
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C07K 14/47 ( 2006.01 )  
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C07K 16/28 ( 2006.01 )  
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A61P 27/00 ( 2006.01 )  
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B60C 23/10 ( 2006.01 )  
F04C 25/00 ( 2006.01 )  
F04D 29/60 ( 2006.01 )  
B60S 5/04 ( 2006.01 )  
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A61P 35/00 ( 2006.01 )  
C12N 15/62 ( 2006.01 )  
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A61P 25/18 ( 2006.01 )  
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C07D 409/04 ( 2006.01 )  
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C07K 16/46 ( 2006.01 )  
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F16L 1/00 ( 2006.01 )  
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**G06F 18/23** ( 2023.01 )  
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**A01G 7/06** ( 2006.01 )  
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**B01F 23/231** ( 2022.01 )  
**A23D 9/04** ( 2006.01 )  
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**B01F 23/233** ( 2022.01 )  
**B01F 35/00** ( 2022.01 )  
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**B01F 35/92** ( 2022.01 )  
**B01J 4/00** ( 2006.01 )  
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**C11C 3/00** ( 2006.01 )  
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**B01D 35/02** ( 2006.01 )  
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**G06T 7/00** ( 2017.01 )  
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**A61B 17/14** ( 2006.01 )  
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**A61B 90/92** ( 2016.01 )  
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**B67D 1/04** ( 2006.01 )  
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**C25B 1/02** ( 2006.01 )  
**C25B 1/04** ( 2021.01 )  
**C25B 1/22** ( 2006.01 )  
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AND METHOD FOR PRODUCING  
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(51) Int. Cl.  
**A61K 9/14** ( 2006.01 )  
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TIBODY CONJUGATES, COMPOSI-  
TIONS COMPRISING ANTI-ROR1 AN-  
TIBODIES OR ANTIBODY CONJUG-  
ATES, AND METHODS OF MAKING  
AND USING ANTI-ROR1 ANTIBODIES  
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| 2023284695 | BIOTHEUS INC.                                                                                            | 2023288544 | SUBLIME SYSTEMS, INC.                                                                                                                        |
| 2023284754 | GILEAD SCIENCES, INC.                                                                                    | 2023288560 | PROJECT EADEN GMBH                                                                                                                           |
| 2023284915 | BLUE PRISM LIMITED                                                                                       | 2023288625 | BASF SE                                                                                                                                      |
| 2023284965 | KOLOMA, INC.                                                                                             | 2023288632 | UNIVERSITY OF COPENHAGEN                                                                                                                     |
| 2023284982 | BRIGHT URO, INC.                                                                                         | 2023288679 | RECKITT BENCKISER FINISH B.V.                                                                                                                |
| 2023284984 | UCL BUSINESS LTD; KING'S COLLEGE LONDON                                                                  | 2023288767 | NODITECH AB                                                                                                                                  |
| 2023285011 | CARBFIX HF.                                                                                              | 2023288798 | MIRAMOON PHARMA, S.L.; ADMINISTRACIÓN GENERAL DE LA COMUNIDAD AUTÓNOMA DE EU-SKADI; UNIVERSIDAD DEL PAÍS VASCO/EUSKAL HERRIKO UNIBERTSITATEA |
| 2023285059 | BIDI VAPOR, LLC                                                                                          | 2023288874 | KUMIAI CHEMICAL INDUSTRY CO., LTD.                                                                                                           |
| 2023285084 | CAAMTECH, INC.                                                                                           | 2023288901 | INSTITUTE OF SCIENCE TOKYO                                                                                                                   |
| 2023285345 | NEMERA LA VERPILLIERE                                                                                    | 2023288909 | BASF AGRICULTURAL SOLUTIONS US LLC                                                                                                           |
| 2023285356 | SAFI BIOTHERAPEUTICS INC.                                                                                | 2023288971 | FUJIFILM CORPORATION                                                                                                                         |
| 2023285363 | ACON FINLAND OY LTD                                                                                      | 2023289046 | VIMBAL ENTERPRISES PTY LTD                                                                                                                   |
| 2023285443 | SHONAN GOSEI-JUSHI SEISAKUSHO K.K.                                                                       | 2023289164 | AMGEN INC.                                                                                                                                   |
| 2023285545 | LG ELECTRONICS INC.                                                                                      | 2023289165 | NEURONETICS, INC.                                                                                                                            |
| 2023285687 | KOLOMA, INC.                                                                                             | 2023289294 | CHROMA MEDICINE, INC.                                                                                                                        |
| 2023286048 | ALPHA RECYCLAGE COMPOSITES                                                                               | 2023289395 | LANZATECH, INC.                                                                                                                              |
| 2023286077 | 3M INNOVATIVE PROPERTIES COMPANY                                                                         | 2023289396 | NEW YORK UNIVERSITY                                                                                                                          |
| 2023286101 | STRYKER EUROPEAN OPERATIONS LIMITED                                                                      | 2023289398 | QUIDEL CORPORATION                                                                                                                           |
| 2023286123 | NIPPON BEET SUGAR MANUFACTURING CO., LTD.                                                                | 2023289631 | ALKERMES, INC.                                                                                                                               |
| 2023286186 | MONASH UNIVERSITY                                                                                        | 2023289680 | INSULET CORPORATION                                                                                                                          |
| 2023286302 | CJ CHEILJEDANG CORPORATION                                                                               | 2023289743 | LANOVA MEDICINES DEVELOPMENT CO., LTD.                                                                                                       |
| 2023286426 | ALKERMES, INC.                                                                                           | 2023289747 | ARKEON GMBH                                                                                                                                  |
| 2023286446 | CHANGSHA CHUSI WEIKANG INTELLIGENT TECHNOLOGY CO., LTD                                                   | 2023289801 | XERO LIMITED                                                                                                                                 |
| 2023286528 | BIOSPLICE THERAPEUTICS, INC.                                                                             | 2023289870 | THREE ES S.R.L.                                                                                                                              |
| 2023286618 | GENENTECH, INC.; F. HOFFMANN-LA ROCHE AG                                                                 | 2023290161 | IMMUNOVEC, INC.                                                                                                                              |
| 2023286621 | LANZATECH, INC.                                                                                          | 2023290166 | RESNENT, LLC                                                                                                                                 |
| 2023286652 | ALIBABA (CHINA) CO., LTD.                                                                                | 2023290270 | JOY GLOBAL UNDERGROUND MINING LLC                                                                                                            |
| 2023286666 | LANZATECH, INC.                                                                                          | 2023290361 | NUOVO PIGNONE TECNOLOGIE - S.R.L.                                                                                                            |
| 2023286687 | THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM                                                   | 2023290612 | MBDA UK LIMITED                                                                                                                              |
| 2023286842 | EUROPEAN MOLECULAR BIOLOGY LABORATORY                                                                    | 2023290614 | MBDA UK LIMITED                                                                                                                              |
| 2023286860 | HUAWEI TECHNOLOGIES CO., LTD.                                                                            | 2023290928 | DIAG-NOSE MEDICAL PTY LTD                                                                                                                    |
| 2023287240 | BULL, A.                                                                                                 | 2023291187 | VESTAS WIND SYSTEMS A/S                                                                                                                      |
| 2023287273 | WUHAN HUMANWELL INNOVATIVE DRUG RESEARCH AND DEVELOPMENT CENTER LIMITED COMPANY                          | 2023291264 | SQUAREMIND                                                                                                                                   |
| 2023287274 | SHANDONG LUYE PHARMACEUTICAL CO., LTD.                                                                   | 2023291296 | DESARROLLOS ESPECIALES DE SISTEMAS DE ANCLAJE, S.A.                                                                                          |
| 2023287299 | VESTAS WIND SYSTEMS A/S                                                                                  | 2023291305 | HAPPONEN, J.                                                                                                                                 |
| 2023287402 | BASF SE                                                                                                  | 2023291403 | KOMATSU FOREST AB                                                                                                                            |
| 2023287471 | HALEON UK IP LIMITED                                                                                     | 2023291539 | MARA RENEWABLES CORPORATION                                                                                                                  |
| 2023287589 | ALKERMES, INC.                                                                                           | 2023291843 | AKESO BIOPHARMA, INC.                                                                                                                        |
| 2023287658 | ADAMA AGAN LTD.                                                                                          | 2023291891 | VESTAS WIND SYSTEMS A/S                                                                                                                      |
| 2023287675 | OHIO STATE INNOVATION FOUNDATION; THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL; WASHINGTON UNIVERSITY | 2023291972 | MBDA UK LIMITED                                                                                                                              |
| 2023287685 | CNH INDUSTRIAL AMERICA LLC                                                                               | 2023292081 | THE REGENTS OF THE UNIVERSITY OF CALIFORNIA                                                                                                  |
| 2023287727 | MIND MEDICINE, INC.                                                                                      | 2023292225 | BN INDUSTRIES                                                                                                                                |
| 2023287741 | ELI LILLY AND COMPANY                                                                                    | 2023292242 | KOSKA FAMILY LIMITED                                                                                                                         |
| 2023287888 | SAISEI PHARMA CO., LTD.                                                                                  | 2023292288 | ARCHANGEL DEVICE LLC                                                                                                                         |
| 2023288051 | INCANDESCENT SKY INVESTMENTS PTY LTD                                                                     | 2023292314 | TAU MOTORS, INC.; THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK                                                                |
| 2023288054 | GARVAN INSTITUTE OF MEDICAL RESEARCH                                                                     | 2023292517 | LUCAS LIFECARE, LLC                                                                                                                          |
| 2023288081 | BASF SE                                                                                                  | 2023292687 | WEST VIRGINIA UNIVERSITY BOARD OF GOVERNORS ON BEHALF OF WEST VIRGINIA UNIVERSITY                                                            |
| 2023288145 | FLUIDRA GROUP AUSTRALIA PTY LTD.                                                                         | 2023292705 | SCANSTRUT, INC.                                                                                                                              |
| 2023288169 | DYNAMIC FLUID CONTROL (PROPRIETARY) LIMITED                                                              | 2023292789 | ILIAS BIOLOGICS INC                                                                                                                          |
| 2023288296 | SUNSHO PHARMACEUTICAL CO., LTD.                                                                          | 2023292940 | TIMECAP LLC                                                                                                                                  |
|            |                                                                                                          | 2023293045 | SAMSUNG ELECTRONICS CO., LTD.                                                                                                                |
|            |                                                                                                          | 2023293070 | TRUSTEES OF TUFTS COLLEGE                                                                                                                    |
|            |                                                                                                          | 2023293091 | GEOQUEST SYSTEMS B.V.                                                                                                                        |
|            |                                                                                                          | 2023293143 | PALFINGER AG                                                                                                                                 |
|            |                                                                                                          | 2023293257 | BEAM THERAPEUTICS INC.                                                                                                                       |

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| 2023293418 | QUICKCOYS OUTDOOR PRODUCTS, LLC                           | 2023299180 | INTERDIGITAL PATENT HOLDINGS, INC.                                                                                                                                                                                                                                                                                       |
| 2023293528 | ROCKFEEL GMBH                                             | 2023299185 | AMGEN INC.                                                                                                                                                                                                                                                                                                               |
| 2023293543 | KOMATSU FOREST AB                                         | 2023299213 | JJR&D, LLC                                                                                                                                                                                                                                                                                                               |
| 2023294050 | MBDA UK LIMITED                                           | 2023299288 | NKARTA, INC.                                                                                                                                                                                                                                                                                                             |
| 2023294052 | MBDA UK LIMITED                                           | 2023299307 | INDAPTA THERAPEUTICS, INC.                                                                                                                                                                                                                                                                                               |
| 2023294087 | IDS RESEARCH SOCIETA' A RESPONSABILITA' LIM-<br>ITATA     | 2023299311 | ADAMA MAKHTESHIM LTD.                                                                                                                                                                                                                                                                                                    |
| 2023294139 | DE' LONGHI APPLIANCES S.R.L. CON UNICO SOCIO              | 2023299447 | KAO CORPORATION                                                                                                                                                                                                                                                                                                          |
| 2023294616 | YEEFAN MED INC                                            | 2023299689 | ONENESS BIOTECH CO., LTD.                                                                                                                                                                                                                                                                                                |
| 2023294749 | T2EARTH HOLDINGS, LLC                                     | 2023300118 | A-CLIP INSTITUTE, CO., LTD.                                                                                                                                                                                                                                                                                              |
| 2023295010 | RONA BIOSCIENCE, LIMITED                                  | 2023300170 | SUTRO BIOPHARMA, INC.                                                                                                                                                                                                                                                                                                    |
| 2023295018 | THE REGENTS OF THE UNIVERSITY OF CALIFOR-<br>NIA          | 2023300350 | BLOCK, INC.                                                                                                                                                                                                                                                                                                              |
| 2023295030 | FIRST QUALITY TISSUE, LLC                                 | 2023300357 | TYRA BIOSCIENCES, INC.                                                                                                                                                                                                                                                                                                   |
| 2023295053 | INCENDIA THERAPEUTICS INC.                                | 2023300362 | TYRA BIOSCIENCES, INC.                                                                                                                                                                                                                                                                                                   |
| 2023295055 | BROKKR MINERAL RESOURCES CORPORATION                      | 2023300385 | KAPPA FILTER SYSTEMS GMBH                                                                                                                                                                                                                                                                                                |
| 2023295263 | AFINITI AI LIMITED                                        | 2023300391 | BETASENSE GMBH                                                                                                                                                                                                                                                                                                           |
| 2023295281 | CALICO LIFE SCIENCES LLC                                  | 2023300396 | BAVARIAN NORDIC A/S                                                                                                                                                                                                                                                                                                      |
| 2023295373 | TREACE MEDICAL CONCEPTS, INC.                             | 2023300410 | PHILIP MORRIS PRODUCTS S.A.                                                                                                                                                                                                                                                                                              |
| 2023295387 | TREELINE BIOSCIENCES, INC.                                | 2023300562 | GREEN HYDROGEN SYSTEMS A/S                                                                                                                                                                                                                                                                                               |
| 2023295402 | SKOCH, G.J.; THE CHILDREN'S MERCY HOSPITAL                | 2023300594 | FOSROC INTERNATIONAL LIMITED                                                                                                                                                                                                                                                                                             |
| 2023295547 | PRELUDE THERAPEUTICS INCORPORATED                         | 2023300688 | DAIKIN INDUSTRIES, LTD.; THE UNIVERSITY OF<br>TOKYO                                                                                                                                                                                                                                                                      |
| 2023295621 | RONA BIOSCIENCE, LIMITED                                  | 2023300704 | BREVILLE PTY LIMITED                                                                                                                                                                                                                                                                                                     |
| 2023295642 | HUAWEI TECHNOLOGIES CO., LTD.                             | 2023300719 | PRECISION PLANTING LLC                                                                                                                                                                                                                                                                                                   |
| 2023295778 | MUHU KODU OÜ                                              | 2023300832 | ASAHI KASEI KABUSHIKI KAISHA                                                                                                                                                                                                                                                                                             |
| 2023295846 | SAAB AB                                                   | 2023300838 | ASAHI KASEI KABUSHIKI KAISHA                                                                                                                                                                                                                                                                                             |
| 2023295918 | MBDA UK LIMITED                                           | 2023300860 | CAN-FITE BIOPHARMA LTD.                                                                                                                                                                                                                                                                                                  |
| 2023295920 | MBDA UK LIMITED                                           | 2023300945 | CHIOME BIOSCIENCE INC.; CEINGE BIOTECNOLO-<br>GIE AVANZATE FRANCO SALVATORE SCARL                                                                                                                                                                                                                                        |
| 2023296527 | HUAWEI TECHNOLOGIES CO., LTD.                             | 2023300980 | BIOHAVEN THERAPEUTICS LTD.                                                                                                                                                                                                                                                                                               |
| 2023296580 | BEIJING ZITIAO NETWORK TECHNOLOGY CO., LTD.               | 2023301206 | FLUID HANDLING LLC                                                                                                                                                                                                                                                                                                       |
| 2023296596 | FAGOFARMA S.R.O.                                          | 2023301208 | LOVE, R.                                                                                                                                                                                                                                                                                                                 |
| 2023296605 | ILLUMINA, INC.                                            | 2023301275 | MAX-PLANCK-GESELLSCHAFT ZUR FÖRDERUNG<br>DER WISSENSCHAFTEN E.V.                                                                                                                                                                                                                                                         |
| 2023296610 | PHILIP MORRIS PRODUCTS S.A.                               | 2023301282 | TRIOAR, INC.                                                                                                                                                                                                                                                                                                             |
| 2023296611 | PALEO B.V.                                                | 2023301341 | BYD COMPANY LIMITED                                                                                                                                                                                                                                                                                                      |
| 2023296612 | HALEON UK IP LIMITED                                      | 2023301411 | AXSOME THERAPEUTICS, INC.                                                                                                                                                                                                                                                                                                |
| 2023296638 | KAPPA FILTER SYSTEMS GMBH                                 | 2023301418 | KAPPA FILTER SYSTEMS GMBH                                                                                                                                                                                                                                                                                                |
| 2023296722 | INVENTIO AG                                               | 2023301453 | BIOMAR GROUP A/S                                                                                                                                                                                                                                                                                                         |
| 2023296756 | C&CS CATALYSTS AND CHEMICAL SPECIALTIES<br>GMBH           | 2023301549 | CRISTOS GONZALEZ, F.J.                                                                                                                                                                                                                                                                                                   |
| 2023296765 | PHILIP MORRIS PRODUCTS S.A.                               | 2023301653 | MONASH UNIVERSITY                                                                                                                                                                                                                                                                                                        |
| 2023296872 | INVENTIO AG                                               | 2023301713 | UNIVERSITY OF TASMANIA                                                                                                                                                                                                                                                                                                   |
| 2023297137 | ZYLORION HEALTH INC.                                      | 2023301716 | WEX PHARMACEUTICALS INC.                                                                                                                                                                                                                                                                                                 |
| 2023297163 | RHEEM AUSTRALIA PTY LIMITED                               | 2023301814 | THE REGENTS OF THE UNIVERSITY OF CALIFOR-<br>NIA                                                                                                                                                                                                                                                                         |
| 2023297173 | PULTRUSION TECHNIQUE INC.                                 | 2023302071 | NORWEGIAN UNIVERSITY OF SCIENCE AND TECH-<br>NOLOGY (NTNU)                                                                                                                                                                                                                                                               |
| 2023297441 | MERIDIAN THERAPEUTICS, INC.                               | 2023302130 | UNIVERSITY OF FREIBURG                                                                                                                                                                                                                                                                                                   |
| 2023297445 | ENTERIN, INC.                                             | 2023302274 | FUJITSU GENERAL LIMITED                                                                                                                                                                                                                                                                                                  |
| 2023297610 | TRIOAR, INC.                                              | 2023302353 | COOPER HEALTH SYSTEM                                                                                                                                                                                                                                                                                                     |
| 2023297780 | MASTERCARD INTERNATIONAL INCORPORATED                     | 2023302534 | HSP HOCHSPANNUNGSGERÄTE GMBH                                                                                                                                                                                                                                                                                             |
| 2023297915 | CONOCOPHILLIPS COMPANY; PIPELINES 2 DATA<br>(P2D) LIMITED | 2023302581 | TENARIS CONNECTIONS B.V.                                                                                                                                                                                                                                                                                                 |
| 2023298006 | X DEVELOPMENT LLC                                         | 2023302582 | ASSOCIATION FRANCAISE CONTRE LES MY-<br>OPATHIES; CENTRE NATIONAL DE LA RECHER-<br>CHE SCIENTIFIQUE; INSTITUT NATIONAL DE LA<br>SANTÉ ET DE LA RECHERCHE MÉDICALE; UNI-<br>VERSITÉ D'ANGERS; UNIVERSITÉ DE BORDEAUX;<br>UNIVERSITÉ PARIS-SACLAY; UNIVERSITÉ CÔTE<br>D'AZUR; CENTRE HOSPITALIER UNIVERSITAIRE<br>D'ANGERS |
| 2023298047 | ARCUS BIOSCIENCES, INC.                                   | 2023302638 | BAE SYSTEMS PLC                                                                                                                                                                                                                                                                                                          |
| 2023298055 | ADAMA AGAN LTD.                                           | 2023302652 | BBG, S.A.                                                                                                                                                                                                                                                                                                                |
| 2023298071 | KAPPA FILTER SYSTEMS GMBH                                 | 2023302751 | DAIWA CAN COMPANY                                                                                                                                                                                                                                                                                                        |
| 2023298078 | BETASENSE GMBH                                            | 2023302861 | XERO LIMITED                                                                                                                                                                                                                                                                                                             |
| 2023298083 | BAVARIAN NORDIC A/S                                       | 2023302863 | UNIWEISYTET WARSZAWSKI; INSTYTUT BIOLOGII<br>DOŚWIADCZALNEJ IM. M. NENCKIEGO PAN                                                                                                                                                                                                                                         |
| 2023298142 | ALCON INC.                                                | 2023302982 | GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI                                                                                                                                                                                                                                                                                 |
| 2023298292 | AQUIRIAN TECHNOLOGY PTY LTD                               | 2023302993 | KELLER, A.; KELLER, M.                                                                                                                                                                                                                                                                                                   |
| 2023298296 | ECHOIQ LIMITED                                            | 2023303046 | MEDELA HOLDING AG                                                                                                                                                                                                                                                                                                        |
| 2023298322 | MESSER CUTTING SYSTEMS GMBH; ROHLSEN,<br>C.K.P.           | 2023303350 | XERO LIMITED                                                                                                                                                                                                                                                                                                             |
| 2023298408 | NATURAL PLANT PROTECTION LIMITED                          | 2023303417 | GPI FRANKFURT & AUGSBURG GMBH                                                                                                                                                                                                                                                                                            |
| 2023298431 | GENIUS SPORTS SS, LLC                                     | 2023303468 | NEOMICS PHARMACEUTICALS LLC                                                                                                                                                                                                                                                                                              |
| 2023298501 | RI Hou                                                    | 2023303676 | LIMACORPORATE S.P.A.                                                                                                                                                                                                                                                                                                     |
| 2023298527 | BEAM THERAPEUTICS INC.                                    |            |                                                                                                                                                                                                                                                                                                                          |
| 2023298568 | TORAY INDUSTRIES, INC.                                    |            |                                                                                                                                                                                                                                                                                                                          |
| 2023298643 | BIGFOOT BIOMEDICAL, INC.                                  |            |                                                                                                                                                                                                                                                                                                                          |
| 2023298943 | DAIKIN INDUSTRIES, LTD.; THE UNIVERSITY OF<br>TOKYO       |            |                                                                                                                                                                                                                                                                                                                          |
| 2023299026 | SNORKEL AI, INC.                                          |            |                                                                                                                                                                                                                                                                                                                          |
| 2023299060 | NUTRECO IP ASSETS B.V.                                    |            |                                                                                                                                                                                                                                                                                                                          |
| 2023299167 | THE BABCOCK & WILCOX COMPANY                              |            |                                                                                                                                                                                                                                                                                                                          |

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| 2023303729 | ALIBABA (CHINA) CO., LTD.                                                                                                                             | 2023313318 | E-THERAPEUTICS PLC                                                                 |
| 2023303871 | DIANOSIC; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; UNIVERSITE DE MONTPELLIER; ECOLE NATIONALE SUPERIEURE DE CHIMIE DE MONTPELLIER                | 2023313321 | E-THERAPEUTICS PLC                                                                 |
| 2023303902 | BAE SYSTEMS PLC                                                                                                                                       | 2023314605 | INTERIUS BIOTHERAPEUTICS, INC.                                                     |
| 2023303936 | LOAM BIO PTY LTD.                                                                                                                                     | 2023314944 | F. HOFFMANN-LA ROCHE AG                                                            |
| 2023304333 | LINDSAY CORPORATION                                                                                                                                   | 2023315037 | SOCIÉTÉ DES PRODUITS NESTLÉ S.A.                                                   |
| 2023304350 | CORNELL UNIVERSITY                                                                                                                                    | 2023315676 | INTUIT INC.                                                                        |
| 2023304358 | SANTA ANA BIO, INC.                                                                                                                                   | 2023315830 | CENTRE FOR NOVOSTICS                                                               |
| 2023304416 | LINDSAY CORPORATION                                                                                                                                   | 2023315969 | ESS TECH, INC.                                                                     |
| 2023304435 | LUCAS-MILHAUPT, INC.                                                                                                                                  | 2023316309 | WING AVIATION LLC                                                                  |
| 2023304563 | NOARK ELECTRICS (SHANGHAI) CO., LTD.                                                                                                                  | 2023317622 | BOEHRINGER INGELHEIM INTERNATIONAL GMBH                                            |
| 2023304687 | CHR. HANSEN A/S                                                                                                                                       | 2023317660 | NANOMOL TECHNOLOGIES, S.L.; CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS (CSIC) |
| 2023304732 | UCL BUSINESS LTD                                                                                                                                      | 2023317702 | BIONTECH SE                                                                        |
| 2023304865 | PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA                                                                                                | 2023317824 | VMI HOLLAND B.V.                                                                   |
| 2023304981 | GENERAL ATOMICS AERONAUTICAL SYSTEMS, INC.                                                                                                            | 2023318176 | AUDIO-TECHNICA CORPORATION                                                         |
| 2023305046 | DOMETIC SWEDEN AB                                                                                                                                     | 2023318231 | NOKIA TECHNOLOGIES OY                                                              |
| 2023305090 | SOCIÉTÉ DES PRODUITS NESTLÉ S.A.                                                                                                                      | 2023318246 | UNIVERSITY OF LEEDS                                                                |
| 2023305116 | ROQUETTE FRERES                                                                                                                                       | 2023318504 | EVERSEEN LIMITED                                                                   |
| 2023305359 | ECOSUBSEA AS                                                                                                                                          | 2023318506 | ALCON INC.                                                                         |
| 2023305430 | ROUTE 92 MEDICAL, INC.                                                                                                                                | 2023318507 | ALCON INC.                                                                         |
| 2023305777 | HYDRODYN RECYCLING GMBH                                                                                                                               | 2023318764 | NOVARTIS AG                                                                        |
| 2023306007 | PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA                                                                                                | 2023319044 | HEIDELBERG MATERIALS AG                                                            |
| 2023306131 | RAYTHEON COMPANY                                                                                                                                      | 2023320859 | MACK RIDES IP GMBH & CO. KG                                                        |
| 2023306304 | PRECIGEN, INC.                                                                                                                                        | 2023321204 | BLANCO GMBH + CO KG                                                                |
| 2023306582 | SOCIÉTÉ DES PRODUITS NESTLÉ S.A.                                                                                                                      | 2023321656 | UNIVERSITÄTSKLINIKUM REGENSBURG                                                    |
| 2023306615 | LEVIDIAN NANOSYSTEMS LIMITED                                                                                                                          | 2023323066 | ALCON INC.                                                                         |
| 2023306989 | GPI FRANKFURT & AUGSBURG GMBH                                                                                                                         | 2023323206 | SUNUS CO., LTD.                                                                    |
| 2023306990 | CELLORAM INC.                                                                                                                                         | 2023323738 | AJAX THERAPEUTICS, INC.                                                            |
| 2023307152 | SANEGENE BIO USA INC.                                                                                                                                 | 2023325073 | DASISIMULATIONS LLC                                                                |
| 2023307356 | ALK-ABELLÓ A/S                                                                                                                                        | 2023325086 | ALLOGENE THERAPEUTICS INC.                                                         |
| 2023307411 | JAMES COOK UNIVERSITY                                                                                                                                 | 2023325366 | ELECTROLUX APPLIANCES AKTIEBOLAG                                                   |
| 2023307412 | PRING, G.H.                                                                                                                                           | 2023326987 | YOSHINO GYPSUM CO., LTD.                                                           |
| 2023307469 | PROACTIVE ANALYTICS HOLDINGS (CYPRUS) LIMITED                                                                                                         | 2023328211 | CCTEG XI'AN RESEARCH INSTITUTE (GROUP) CO., LTD                                    |
| 2023307485 | HELSING GMBH                                                                                                                                          | 2023329699 | DONAGHYS LIMITED                                                                   |
| 2023307553 | APTAR FRANCE SAS                                                                                                                                      | 2023331700 | VETOQUINOL SA                                                                      |
| 2023307623 | WING AVIATION LLC                                                                                                                                     | 2023331753 | SOCIÉTÉ DES PRODUITS NESTLÉ S.A.                                                   |
| 2023307648 | NEXTRACKER LLC                                                                                                                                        | 2023332284 | ELISA OYJ                                                                          |
| 2023307948 | CYTOMX THERAPEUTICS, INC.; IMMUNOGEN, INC.                                                                                                            | 2023332571 | ALCON INC.                                                                         |
| 2023307957 | DONALDSON COMPANY, INC.                                                                                                                               | 2023333950 | MITSUBISHI HEAVY INDUSTRIES, LTD.                                                  |
| 2023308030 | SYNGENTA CROP PROTECTION AG                                                                                                                           | 2023334027 | SUMITOMO PHARMA AMERICA, INC.                                                      |
| 2023308267 | PARIS SCIENCES ET LETTRES; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; ECOLE SUPERIEURE DE PHYSIQUE ET DE CHIMIE INDUSTRIELLES DE LA VILLE DE PARIS | 2023334501 | HANUMAN PELICAN, INC.                                                              |
| 2023308276 | HOLCIM TECHNOLOGY LTD                                                                                                                                 | 2023335166 | XUZHOU XCMG EXCAVATOR MACHINERY CO., LTD.                                          |
| 2023308502 | GEORGIA-PACIFIC GYPSUM LLC                                                                                                                            | 2023335881 | THE UNIVERSITY OF TOKYO; GELLYCLE CO., LTD.                                        |
| 2023308507 | PINCO SA                                                                                                                                              | 2023338570 | INARI MEDICAL, INC.                                                                |
| 2023308731 | SHOPIFY INC.                                                                                                                                          | 2023343159 | ALCON INC.                                                                         |
| 2023308862 | INCORA HEALTH, INC.                                                                                                                                   | 2023343328 | OWENS-BROCKWAY GLASS CONTAINER INC.                                                |
| 2023308934 | THE REGENTS OF THE UNIVERSITY OF CALIFORNIA; ALESSA THERAPEUTICS, INC.                                                                                | 2023347634 | ORACLE INTERNATIONAL CORPORATION                                                   |
| 2023309264 | FNV IP B.V.                                                                                                                                           | 2023348630 | CCTEG XI'AN RESEARCH INSTITUTE (GROUP) CO., LTD.                                   |
| 2023309289 | YARA INTERNATIONAL ASA                                                                                                                                | 2023350766 | PILON, D.                                                                          |
| 2023309803 | GRIFOLS WORLDWIDE OPERATIONS LIMITED                                                                                                                  | 2023350942 | THE PROCTER & GAMBLE COMPANY                                                       |
| 2023310725 | BOSTON SCIENTIFIC SCIMED INC.                                                                                                                         | 2023355990 | RIGETTI & CO, LLC                                                                  |
| 2023310875 | BRISTOL-MYERS SQUIBB COMPANY; CELGENE CORPORATION                                                                                                     | 2023360854 | DYNO NOBEL INC.                                                                    |
| 2023311224 | THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE                                                                                           | 2023365270 | DOUYIN VISION CO., LTD.; BEIJING ZITIAO NETWORK TECHNOLOGY CO., LTD.               |
| 2023311603 | ASTELLAS PHARMA INC.                                                                                                                                  | 2023367815 | GLOBERIDE, INC.                                                                    |
| 2023311822 | BEAM THERAPEUTICS INC.                                                                                                                                | 2023368794 | SPIDERWORT BIOTECHNOLOGIES INC.                                                    |
| 2023312051 | GENENTECH, INC.                                                                                                                                       | 2023369520 | CCTEG XI'AN RESEARCH INSTITUTE (GROUP) CO., LTD                                    |
| 2023312388 | TECHNOLOGICAL RESOURCES PTY. LIMITED                                                                                                                  | 2023371696 | CHERY AUTOMOBILE CO., LTD.                                                         |
| 2023312973 | ALLOGENE THERAPEUTICS INC.                                                                                                                            | 2023398425 | CHERY AUTOMOBILE CO., LTD.                                                         |
| 2023313030 | E-THERAPEUTICS PLC                                                                                                                                    | 2023407124 | NILO LIMITED                                                                       |
| 2023313092 | DE ASMUNDIS, C.; TALEVI, G.; MALI, A.                                                                                                                 | 2023412446 | CHINA ENFI ENGINEERING CORPORATION; CHINA ENFI ENGINEERING CO., LTD.               |
|            |                                                                                                                                                       | 2023424246 | OPELLA HEALTHCARE GROUP SAS                                                        |
|            |                                                                                                                                                       | 2023425976 | WORLDBLIND CO.,LTD                                                                 |
|            |                                                                                                                                                       | 2023443525 | IMAGE INSIGHT INC.                                                                 |
|            |                                                                                                                                                       | 2024203531 | GUANGZHOU HYBRIBIO MEDICINE TECHNOLOGY LTD.; HYBRIBIO MEDTECH DEVICE CO., LTD;     |
|            |                                                                                                                                                       |            | GUANGDONG HYBRIBIO BIOTECH CO., LTD.                                               |
|            |                                                                                                                                                       | 2024203635 | AUSTRACK EQUIPMENT PTY LTD                                                         |

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| <b>2024255763</b> | ILLUMINA, INC.                                     |
| <b>2024266089</b> | ILLUMINA, INC.                                     |
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| 2022461734               |                          | <b><u>B01F 33 /-</u></b> | 2023326987                |                          | 2023407124                |
| 2023270783               | 2023292687               |                          |                           | 2024203635               |                           |
| 2023271790               | 2023301716               | 2023277147               | <b><u>B05D 3 /-</u></b>   |                          | <b><u>B29L 31 /-</u></b>  |
| 2023278918               |                          | 2023289870               |                           | <b><u>B25J 15 /-</u></b> | 2023338570                |
| 2023284139               | <b><u>B01D 15 /-</u></b> |                          | 2023326987                |                          |                           |
| 2023290161               |                          | <b><u>B01F 35 /-</u></b> |                           | 2024203635               |                           |
| 2023298142               | 2023295281               |                          | <b><u>B05D 7 /-</u></b>   |                          | <b><u>B32B 1 /-</u></b>   |
| 2023301282               |                          | 2023277147               |                           | <b><u>B25J 18 /-</u></b> |                           |
| 2023304358               | <b><u>B01D 21 /-</u></b> | 2023331753               | 2023326987                |                          | 2023276873                |
| 2023306990               |                          |                          |                           | 2024203635               |                           |
|                          | 2023301206               | <b><u>B01J 19 /-</u></b> | <b><u>B06B 1 /-</u></b>   | <b><u>B25J 19 /-</u></b> | <b><u>B33Y 10 /-</u></b>  |
| <b><u>A61P 39 /-</u></b> | <b><u>B01D 29 /-</u></b> | 2023306615               | 2023244562                |                          | 2023271813                |
| 2023302863               | 2023275069               | 2023331753               |                           | 2024203635               |                           |
| <b><u>A61P 41 /-</u></b> | 2023288145               | <b><u>B01J 20 /-</u></b> | <b><u>B08B 1 /-</u></b>   | <b><u>B25J 5 /-</u></b>  | <b><u>B33Y 30 /-</u></b>  |
|                          |                          |                          | 2023305359                |                          | 2023271813                |
| 2023312051               | <b><u>B01D 3 /-</u></b>  | 2023298006               | <b><u>B08B 15 /-</u></b>  | 2024203635               | <b><u>B33Y 50 /-</u></b>  |
| <b><u>A61P 43 /-</u></b> | 2023292517               | <b><u>B01J 23 /-</u></b> |                           | <b><u>B26D 11 /-</u></b> |                           |
|                          |                          |                          | 2023297173                |                          | 2023271813                |
| 2023287888               | <b><u>B01D 35 /-</u></b> | 2023309289               | <b><u>B08B 3 /-</u></b>   | 2022467566               | <b><u>B33Y 80 /-</u></b>  |
| 2023288296               |                          |                          |                           |                          |                           |
|                          | 2023301206               | <b><u>B01J 29 /-</u></b> | 2023305777                | <b><u>B27K 3 /-</u></b>  | 2023271813                |
| <b><u>A61P 9 /-</u></b>  | 2023368794               |                          |                           | 2023294749               | 2023302534                |
|                          |                          | 2023296756               | <b><u>B08B 7 /-</u></b>   |                          | 2023303676                |
| 2023275935               | <b><u>B01D 36 /-</u></b> |                          |                           | <b><u>B27N 1 /-</u></b>  |                           |
| 2023276826               |                          | <b><u>B01J 31 /-</u></b> | 2023305359                |                          | <b><u>B60B 9 /-</u></b>   |
| 2023283046               | 2023301206               |                          |                           | 2023287402               |                           |
| 2023283680               |                          | 2023288901               | <b><u>B23K 1 /-</u></b>   | 2023288625               | 2023278806                |
| 2023284139               | <b><u>B01D 39 /-</u></b> |                          |                           | 2023407124               | 2023281475                |
| 2023295621               |                          | <b><u>B01J 35 /-</u></b> | 2023304435                |                          |                           |
| 2023301275               | 2023309289               |                          | <b><u>B23K 101 /-</u></b> | <b><u>B27N 3 /-</u></b>  | <b><u>B60C 23 /-</u></b>  |
| 2023302582               | <b><u>B01D 46 /-</u></b> | 2023309289               |                           |                          |                           |
| 2023306990               |                          | <b><u>B01J 37 /-</u></b> | 2023270599                | 2023287402               | 2023292705                |
| 2023318764               | 2023296638               |                          | 2023304435                | 2023288625               |                           |
|                          | 2023298071               | 2023288901               |                           | 2023407124               | <b><u>B60F 5 /-</u></b>   |
| <b><u>A61Q 11 /-</u></b> | 2023300385               | <b><u>B01J 4 /-</u></b>  | <b><u>B23K 26 /-</u></b>  | <b><u>B28B 1 /-</u></b>  | 2023301208                |
|                          | 2023301418               |                          |                           |                          |                           |
| 2023294087               |                          | 2023331753               | 2023270599                | 2023326987               | <b><u>B60H 1 /-</u></b>   |
| <b><u>A61Q 19 /-</u></b> | <b><u>B01D 5 /-</u></b>  |                          |                           |                          |                           |
|                          |                          | <b><u>B01L 3 /-</u></b>  | <b><u>B23K 35 /-</u></b>  | <b><u>B29B 17 /-</u></b> | 2023305046                |
| 2023282920               | 2023292517               |                          |                           |                          | 2023335166                |
| 2023350942               | 2023331753               | 2023289398               | 2023304435                | 2023286048               |                           |
|                          |                          | 2024203531               | <b><u>B23K 37 /-</u></b>  | 2023305777               | <b><u>B60K 15 /-</u></b>  |
| <b><u>A61Q 7 /-</u></b>  | <b><u>B01D 53 /-</u></b> |                          |                           | <b><u>B29B 9 /-</u></b>  | 2023288169                |
|                          |                          | <b><u>B02C 23 /-</u></b> | 2023270599                |                          |                           |
| 2023299213               | 2022461961               |                          |                           | 2023407124               | <b><u>B60L 15 /-</u></b>  |
|                          | 2023285011               | 2023305777               | <b><u>B23K 5 /-</u></b>   |                          |                           |
| <b><u>A63B 21 /-</u></b> | 2023288537               |                          |                           | <b><u>B29C 53 /-</u></b> | 2023371696                |
|                          | 2023298006               | <b><u>B02C 7 /-</u></b>  | 2023298322                |                          |                           |
| 2023236673               | 2023309289               |                          |                           | 2023338570               | <b><u>B60L 53 /-</u></b>  |
| 2023283683               | 2023331753               | 2023305777               | <b><u>B23Q 5 /-</u></b>   |                          | 2022470254                |
|                          |                          |                          | 2023293418                |                          |                           |

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|---------------------------|----------------------------------------|------------------------------------------------------|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| <b><u>B60L 58 I/-</u></b> |                                        |                                                      | <b><u>C04B 24 I/-</u></b>                            | <b><u>C07D 261 I/-</u></b>                                                                                   | 2023300357<br>2023311603<br>2023317622<br>2023323738 |
| 2023398425                | <b><u>B63H 23 I/-</u></b>              | <b><u>B66B 1 I/-</u></b>                             | 2023319044                                           | 2023295547                                                                                                   |                                                      |
|                           | 2023275278                             | 2023296872                                           |                                                      |                                                                                                              |                                                      |
| <b><u>B60N 2 I/-</u></b>  | <b><u>B63H 25 I/-</u></b>              | <b><u>B66C 1 I/-</u></b>                             | <b><u>C04B 28 I/-</u></b>                            | <b><u>C07D 263 I/-</u></b>                                                                                   | <b><u>C07D 491 I/-</u></b>                           |
| 2023274017                | 2023273828                             | 2024203635                                           | 2023276854<br>2023308276<br>2023319044               | 2023288422<br>2023289631                                                                                     | 2023298142                                           |
| <b><u>B60P 7 I/-</u></b>  | <b><u>B63H 5 I/-</u></b>               | <b><u>B66C 23 I/-</u></b>                            | <b><u>C04B 40 I/-</u></b>                            | <b><u>C07D 295 I/-</u></b>                                                                                   | <b><u>C07D 493 I/-</u></b>                           |
| 2023282878                | 2023293418                             | 2023293143                                           |                                                      | 2023311822                                                                                                   | 2023287274                                           |
| <b><u>B60S 13 I/-</u></b> | <b><u>B64C 39 I/-</u></b>              | <b><u>B66F 11 I/-</u></b>                            | 2023276854<br>2023300594                             | <b><u>C07D 317 I/-</u></b>                                                                                   | <b><u>C07D 495 I/-</u></b>                           |
| 2023320859                | 2023301208<br>2023302638<br>2023304981 | 2022475583                                           | <b><u>C04B 9 I/-</u></b>                             | 2023288081                                                                                                   | 2023282849<br>2023287274                             |
| <b><u>B60S 5 I/-</u></b>  |                                        | <b><u>B67D 1 I/-</u></b>                             | 2022461961                                           | <b><u>C07D 401 I/-</u></b>                                                                                   | <b><u>C07D 498 I/-</u></b>                           |
| 2023292705                | <b><u>B64D 3 I/-</u></b>               | 2023282548                                           | <b><u>C05B 1 I/-</u></b>                             | 2023283561<br>2023286426<br>2023300362<br>2023310875<br>2023311603<br>2023317622<br>2023318764<br>2023323738 | 2023298142                                           |
| <b><u>B60T 7 I/-</u></b>  | 2023304981                             | <b><u>B82Y 40 I/-</u></b>                            | 2023329699                                           |                                                                                                              | <b><u>C07D 513 I/-</u></b>                           |
| 2023280067                | <b><u>B64D 5 I/-</u></b>               | 2023278783                                           | <b><u>C05G 3 I/-</u></b>                             |                                                                                                              | 2023323738                                           |
| <b><u>B60W 40 I/-</u></b> | 2023304981                             | <b><u>C01B 21 I/-</u></b>                            | 2023329699                                           |                                                                                                              | <b><u>C07D 519 I/-</u></b>                           |
| 2023443525                | <b><u>B64D 7 I/-</u></b>               | 2023309289                                           | <b><u>C07B 37 I/-</u></b>                            | <b><u>C07D 403 I/-</u></b>                                                                                   | 2023298568<br>2023310875<br>2023311603<br>2023323738 |
| <b><u>B62B 9 I/-</u></b>  | 2023302638                             | <b><u>C01B 3 I/-</u></b>                             | 2023278370                                           | 2023298142                                                                                                   |                                                      |
| 2023283638                | <b><u>B64U 10 I/-</u></b>              | 2023285687<br>2023296756<br>2023302993<br>2023306615 | <b><u>C07C 219 I/-</u></b>                           | <b><u>C07D 405 I/-</u></b>                                                                                   | <b><u>C07F 15 I/-</u></b>                            |
| <b><u>B62D 15 I/-</u></b> | 2023302638<br>2023307623               |                                                      | 2023311822                                           | 2023287273<br>2023288798<br>2023311603                                                                       | 2023269413                                           |
| 2023350766                | <b><u>B64U 101 I/-</u></b>             | <b><u>C01B 32 I/-</u></b>                            | <b><u>C07C 271 I/-</u></b>                           |                                                                                                              | <b><u>C07F 5 I/-</u></b>                             |
| <b><u>B62D 37 I/-</u></b> | 2023302638                             | 2023288537<br>2023302993<br>2023306615               | 2023311822                                           | <b><u>C07D 409 I/-</u></b>                                                                                   | 2023296605                                           |
| 2023350766                | <b><u>B64U 20 I/-</u></b>              |                                                      | <b><u>C07C 277 I/-</u></b>                           |                                                                                                              | <b><u>C07F 9 I/-</u></b>                             |
| <b><u>B62K 13 I/-</u></b> | 2023307623                             | <b><u>C01C 1 I/-</u></b>                             | 2023298055                                           | 2023287274<br>2023297610<br>2023301282                                                                       | 2023297137                                           |
| 2023301208                | <b><u>B64U 30 I/-</u></b>              | 2023288901                                           | <b><u>C07C 279 I/-</u></b>                           | <b><u>C07D 413 I/-</u></b>                                                                                   | <b><u>C07H 15 I/-</u></b>                            |
| <b><u>B63B 1 I/-</u></b>  | 2023302638                             | <b><u>C02F 1 I/-</u></b>                             | 2023298055                                           | 2023287274<br>2023288874<br>2023294616<br>2023295547<br>2023298142<br>2023308030                             | 2023301282                                           |
| 2023275278                | <b><u>B64U 70 I/-</u></b>              | 2023276873<br>2023292517<br>2023301206               | <b><u>C07D 209 I/-</u></b>                           |                                                                                                              | <b><u>C07H 17 I/-</u></b>                            |
| <b><u>B63B 21 I/-</u></b> | 2023304981                             |                                                      | 2023285084<br>2023297137                             |                                                                                                              | 2023297610<br>2023301282                             |
| 2023301549                | <b><u>B65B 57 I/-</u></b>              | <b><u>C02F 103 I/-</u></b>                           | <b><u>C07D 211 I/-</u></b>                           |                                                                                                              |                                                      |
| <b><u>B63B 22 I/-</u></b> | 2023317824                             | 2023276873                                           | 2023286426<br>2023288422<br>2023289631<br>2023302863 | <b><u>C07D 417 I/-</u></b>                                                                                   | <b><u>C07H 19 I/-</u></b>                            |
| 2023306131                | <b><u>B65B 9 I/-</u></b>               | <b><u>C02F 11 I/-</u></b>                            |                                                      | 2023287274<br>2023295547<br>2023298142<br>2023310875                                                         | 2023295010<br>2023301716                             |
| <b><u>B63B 34 I/-</u></b> | 2023317824                             | 2023276873                                           | <b><u>C07D 213 I/-</u></b>                           |                                                                                                              | <b><u>C07H 21 I/-</u></b>                            |
| 2023275278                | <b><u>B65D 5 I/-</u></b>               | <b><u>C02F 9 I/-</u></b>                             | 2023287273                                           | <b><u>C07D 457 I/-</u></b>                                                                                   | 2023295010                                           |
| <b><u>B63B 59 I/-</u></b> | 2023303417<br>2023306989               | 2023292517                                           | <b><u>C07D 237 I/-</u></b>                           | 2023287727                                                                                                   | <b><u>C07J 41 I/-</u></b>                            |
| 2023305359                | <b><u>B65D 83 I/-</u></b>              | <b><u>C03B 9 I/-</u></b>                             | 2023287273<br>2023318764                             | <b><u>C07D 471 I/-</u></b>                                                                                   | 2023297445                                           |
| <b><u>B63H 1 I/-</u></b>  | 2023277147                             | 2023343328                                           |                                                      | 2023295387<br>2023310875<br>2023317622<br>2023323738                                                         | <b><u>C07J 43 I/-</u></b>                            |
| 2023275278                | <b><u>B65D 85 I/-</u></b>              | <b><u>C04B 103 I/-</u></b>                           | <b><u>C07D 239 I/-</u></b>                           |                                                                                                              | 2023297445<br>2023297610                             |
| <b><u>B63H 16 I/-</u></b> | 2023277147                             | 2023300594                                           | 2023275935                                           | <b><u>C07D 487 I/-</u></b>                                                                                   | <b><u>C07J 63 I/-</u></b>                            |
| 2023275278                | <b><u>B65G 15 I/-</u></b>              | <b><u>C04B 11 I/-</u></b>                            | <b><u>C07D 249 I/-</u></b>                           | 2023286528<br>2023298142                                                                                     | 2023306990                                           |
| <b><u>B63H 21 I/-</u></b> |                                        | 2023308502                                           | 2023288798                                           |                                                                                                              |                                                      |
| 2023273828<br>2023293418  | 2022464712                             |                                                      |                                                      |                                                                                                              |                                                      |

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| <b><u>C07J 71 /-</u></b> |                          | <b><u>C08L 67 /-</u></b>  | <b><u>C11D 17 /-</u></b> | 2023314605               | 2023298078               |
| 2023278918               | <b><u>C07K 17 /-</u></b> | 2024206773                | 2023299447               | 2023317702               | 2023308267               |
|                          | 2023300391               |                           |                          | 2024255763               | 2023315830               |
| <b><u>C07K 1 /-</u></b>  |                          | <b><u>C08L 75 /-</u></b>  | <b><u>C11D 3 /-</u></b>  | <b><u>C12N 5 /-</u></b>  | 2024235961               |
| 2023295281               | <b><u>C07K 19 /-</u></b> | 2024209204                | 2023299447               | 2022464894               | 2024255763               |
| 2023307957               | 2023283519               |                           |                          | 2022471754               | <b><u>C12R 1 /-</u></b>  |
|                          | 2023289294               | <b><u>C08L 97 /-</u></b>  | <b><u>C12M 1 /-</u></b>  | 2023272589               | 2023301713               |
| <b><u>C07K 14 /-</u></b> |                          | 2022470772                | 2023275069               | 2023281726               |                          |
| 2023272089               | <b><u>C07K 5 /-</u></b>  | 2023287402                | 2023286446               | 2023283519               | <b><u>C13K 13 /-</u></b> |
| 2023272589               | 2023278370               |                           | 2023288971               | 2023283680               | 2023305116               |
| 2023276910               |                          | <b><u>C09D 101 /-</u></b> | 2023290928               | 2023284139               |                          |
| 2023281726               | <b><u>C07K 7 /-</u></b>  | 2023329699                | 2023299185               | 2023285356               | <b><u>C22B 1 /-</u></b>  |
| 2023282121               |                          |                           | 2023300118               | 2023288971               |                          |
| 2023284139               | 2022464894               | <b><u>C09D 175 /-</u></b> |                          | 2023292081               | 2022464781               |
| 2023284754               | 2023264918               | 2024209204                | <b><u>C12M 3 /-</u></b>  | 2023297441               | 2023312388               |
| 2023286302               | 2023289396               |                           | 2023286446               | 2023300945               | 2023412446               |
| 2023286621               | <b><u>C08B 37 /-</u></b> |                           |                          | 2023304358               |                          |
| 2023287888               |                          | <b><u>C09J 101 /-</u></b> | <b><u>C12N 1 /-</u></b>  | 2023306304               | <b><u>C22B 11 /-</u></b> |
| 2023288352               | 2023304687               | 2023296612                | 2023288971               | 2023311224               | 2023309289               |
| 2023288452               |                          |                           | 2023293070               | 2023312973               |                          |
| 2023289164               | <b><u>C08F 8 /-</u></b>  | <b><u>C09J 177 /-</u></b> | 2023300945               |                          | <b><u>C22B 15 /-</u></b> |
| 2023289294               |                          | 2023288625                | 2023301713               | 2023296596               | 2023312388               |
| 2023289395               | 2023335881               |                           | 2023304687               | 2023300396               |                          |
| 2023292081               | 2023407124               | <b><u>C09J 179 /-</u></b> | <b><u>C12N 15 /-</u></b> | 2023314605               | <b><u>C22B 19 /-</u></b> |
| 2023292789               |                          | 2023287402                | 2022471754               |                          | 2023292225               |
| 2023295018               | <b><u>C08G 18 /-</u></b> |                           | 2023270783               | <b><u>C12N 9 /-</u></b>  |                          |
| 2023297441               | 2024209204               | <b><u>C10B 53 /-</u></b>  | 2023272589               | 2022471754               | <b><u>C22B 21 /-</u></b> |
| 2023300118               |                          | 2023282467                | 2023276910               | 2023272589               | 2023292225               |
| 2023300396               | <b><u>C08G 63 /-</u></b> | 2023283043                | 2023281726               | 2023284139               |                          |
| 2023301275               | 2024206773               |                           | 2023282121               | 2023286666               | <b><u>C22B 23 /-</u></b> |
| 2023302130               |                          | <b><u>C10B 57 /-</u></b>  | 2023282121               | 2023286842               |                          |
| 2023303468               | <b><u>C08G 69 /-</u></b> | 2023286048                | 2023283519               | 2023288909               | 2023295055               |
| 2023304350               |                          |                           | 2023284139               | 2023289294               | 2023412446               |
| 2023306304               | 2023288625               | <b><u>C10G 1 /-</u></b>   | 2023284695               | 2023293070               |                          |
| 2023307957               | 2023317702               | 2023286048                | 2023284984               | 2023293257               | <b><u>C22B 3 /-</u></b>  |
| 2023314605               |                          |                           | 2023286302               | 2023301814               |                          |
| 2023325086               | <b><u>C08J 11 /-</u></b> | <b><u>C10G 63 /-</u></b>  | 2023286621               | 2023305116               | 2023292687               |
|                          | 2023286048               | 2023282467                | 2023286666               |                          | 2023295055               |
| <b><u>C07K 16 /-</u></b> | 2023407124               | 2023283043                | 2023286842               | <b><u>C12P 13 /-</u></b> | 2023312388               |
| 2022463987               |                          |                           | 2023287741               | 2023286302               | 2023412446               |
| 2023272589               | <b><u>C08J 3 /-</u></b>  | <b><u>C10G 65 /-</u></b>  | 2023288352               | 2023288352               |                          |
| 2023273357               | 2023407124               | 2023282467                | 2023288909               | 2023289747               | <b><u>C22B 59 /-</u></b> |
| 2023275768               |                          | 2023283043                | 2023289294               |                          | 2023292687               |
| 2023277611               | <b><u>C08J 5 /-</u></b>  |                           | 2023289395               | <b><u>C12P 19 /-</u></b> |                          |
| 2023278370               | 2023407124               | <b><u>C10G 65 /-</u></b>  | 2023289743               | 2023305116               | <b><u>C22B 7 /-</u></b>  |
| 2023278918               |                          | 2023282467                | 2023290161               |                          | 2023292687               |
| 2023281726               |                          | 2023283043                | 2023292081               | <b><u>C12P 21 /-</u></b> | 2023309289               |
| 2023282504               | <b><u>C08K 3 /-</u></b>  | 2023283043                | 2023293257               | 2023283519               | 2023312388               |
| 2023283519               | 2024209204               | <b><u>C11B 5 /-</u></b>   | 2023295018               | 2023300945               |                          |
| 2023284139               |                          | 2023291539                | 2023295621               | 2023307957               | <b><u>C22B 9 /-</u></b>  |
| 2023284695               | <b><u>C08L 1 /-</u></b>  |                           | 2023297441               |                          | 2023292225               |
| 2023286618               | 2023296612               | <b><u>C11C 3 /-</u></b>   | 2023298527               | <b><u>C12P 5 /-</u></b>  |                          |
| 2023288368               |                          | 2023331753                | 2023298568               | 2023286621               | <b><u>C23C 14 /-</u></b> |
| 2023288452               |                          |                           | 2023299288               | 2023286666               | 2023278783               |
| 2023289396               | <b><u>C08L 23 /-</u></b> | <b><u>C11D 1 /-</u></b>   | 2023300118               | 2023289395               | 2023288632               |
| 2023289743               | 2022470772               | 2023288679                | 2023300396               |                          |                          |
| 2023291843               |                          | 2023299447                | 2023300945               | <b><u>C12Q 1 /-</u></b>  | <b><u>C23C 16 /-</u></b> |
| 2023294616               |                          |                           | 2023301814               | 2022471754               | 2023288632               |
| 2023295053               | <b><u>C08L 33 /-</u></b> | <b><u>C11D 11 /-</u></b>  | 2023302130               | 2023274930               |                          |
| 2023296605               | 2024206773               | 2023288679                | 2023304350               | 2023276715               | <b><u>C23C 18 /-</u></b> |
| 2023298568               |                          | 2023288679                | 2023306304               | 2023282904               |                          |
| 2023300118               | <b><u>C08L 35 /-</u></b> |                           | 2023307152               | 2023288054               | 2023288632               |
| 2023300945               | 2023296612               |                           | 2023307957               | 2023295053               |                          |
| 2023304358               |                          |                           | 2023313030               | 2023296605               |                          |
| 2023304732               |                          |                           | 2023313318               |                          |                          |
| 2023307948               |                          |                           | 2023313321               |                          |                          |
| 2023312051               |                          |                           |                          |                          |                          |
| 2023314605               |                          |                           |                          |                          |                          |
| 2023321656               |                          |                           |                          |                          |                          |

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| <b><u>C25B 1 /-</u></b>   |                          | <b><u>E05B 65 /-</u></b> | <b><u>E21D 9 /-</u></b>  | <b><u>F04B 41 /-</u></b> | <b><u>F22B 1 /-</u></b>  |
| 2023272285                | <b><u>D06M 11 /-</u></b> | 2023283886               | 2023293528               | 2023292705               | 2023285059               |
| 2023276026                | 2023286186               | 2023302652               |                          |                          |                          |
| 2023283364                |                          |                          | <b><u>E21F 17 /-</u></b> | <b><u>F04B 49 /-</u></b> | <b><u>F22B 35 /-</u></b> |
| 2023288544                | <b><u>D06M 13 /-</u></b> | <b><u>E05B 77 /-</u></b> | 2023298292               | 2023277028               | 2022463888               |
| 2023300562                | 2023286186               | 2023278497               |                          |                          |                          |
| 2023300832                |                          |                          | <b><u>E21F 7 /-</u></b>  | <b><u>F04C 25 /-</u></b> | <b><u>F22B 37 /-</u></b> |
| 2023300838                | <b><u>D21C 5 /-</u></b>  | <b><u>E05B 79 /-</u></b> | 2023369520               | 2023292705               | 2022463888               |
| <b><u>C25B 11 /-</u></b>  | 2023295030               | 2023283886               |                          |                          |                          |
| 2023276026                | <b><u>D21H 11 /-</u></b> | <b><u>E05B 85 /-</u></b> | <b><u>F01D 15 /-</u></b> | <b><u>F04D 13 /-</u></b> | <b><u>F23C 10 /-</u></b> |
| 2023300832                | 2023295030               | 2023283886               | 2023290361               | 2023277957               | 2022459266               |
| 2023300838                |                          |                          |                          |                          |                          |
| <b><u>C25B 15 /-</u></b>  | <b><u>D21H 17 /-</u></b> | <b><u>E05C 19 /-</u></b> | <b><u>F01K 11 /-</u></b> | <b><u>F04D 15 /-</u></b> | <b><u>F23G 5 /-</u></b>  |
| 2023272285                | 2023295030               | 2023278497               | 2023288767               | 2023277028               | 2023286048               |
| 2023288544                |                          |                          |                          |                          |                          |
| 2023300562                | <b><u>D21H 21 /-</u></b> | <b><u>E05C 3 /-</u></b>  | <b><u>F01K 13 /-</u></b> | <b><u>F04D 25 /-</u></b> | <b><u>F24C 15 /-</u></b> |
| 2023300832                | 2023295030               | 2023278497               | 2023288767               | 2023335166               | 2023325366               |
| 2023300838                |                          |                          |                          |                          |                          |
| <b><u>C25B 9 /-</u></b>   | <b><u>E02D 1 /-</u></b>  | <b><u>E05C 9 /-</u></b>  | <b><u>F01K 21 /-</u></b> | <b><u>F04D 29 /-</u></b> | <b><u>F24D 19 /-</u></b> |
| 2023272285                | 2023309264               | 2023302652               | 2023288767               | 2023292705               | 2023288169               |
| 2023288544                |                          |                          |                          |                          |                          |
| 2023300562                | <b><u>E02F 7 /-</u></b>  | <b><u>E06B 7 /-</u></b>  | <b><u>F01K 3 /-</u></b>  | <b><u>F04D 7 /-</u></b>  | <b><u>F24F 1 /-</u></b>  |
| 2023300832                | 2023290270               | 2023274037               | 2023299167               | 2023277028               | 2023301418               |
| 2023300838                |                          |                          |                          | 2023277957               |                          |
| <b><u>C25C 3 /-</u></b>   | <b><u>E02F 9 /-</u></b>  | <b><u>E06B 9 /-</u></b>  | <b><u>F01P 5 /-</u></b>  | <b><u>F16C 11 /-</u></b> | <b><u>F24F 11 /-</u></b> |
| 2023297173                | 2023280067               | 2023274037               | 2023335166               |                          | 2023296638               |
|                           | 2023290270               | 2023425976               | <b><u>F01P 7 /-</u></b>  | 2023293045               | 2023300385               |
| <b><u>C25C 7 /-</u></b>   | <b><u>E04B 1 /-</u></b>  | <b><u>E21B 12 /-</u></b> | 2023335166               | <b><u>F16F 15 /-</u></b> | <b><u>F24H 1 /-</u></b>  |
| 2023297173                | 2023302071               | 2023290270               |                          | 2023303902               | 2023297163               |
|                           | 2023307412               |                          | <b><u>F02B 63 /-</u></b> | <b><u>F16K 17 /-</u></b> | <b><u>F24H 15 /-</u></b> |
| <b><u>C25D 5 /-</u></b>   | <b><u>E04B 2 /-</u></b>  | <b><u>E21B 41 /-</u></b> | 2022461034               | 2023288169               | 2023297163               |
| 2023288632                |                          | 2023285011               | <b><u>F02C 3 /-</u></b>  | <b><u>F16K 24 /-</u></b> | <b><u>F24H 3 /-</u></b>  |
| <b><u>D01D 10 /-</u></b>  | 2023307412               | <b><u>E21B 43 /-</u></b> | 2023290361               | 2023288169               | 2023305046               |
| 2023286048                | <b><u>E04B 7 /-</u></b>  | 2023285687               | <b><u>F02C 7 /-</u></b>  |                          |                          |
|                           |                          | 2023293091               | 2023290361               | <b><u>F16L 1 /-</u></b>  | <b><u>F24H 9 /-</u></b>  |
| <b><u>D01F 13 /-</u></b>  | 2023307412               | 2023369520               |                          | 2023285443               | 2023297163               |
| 2023286048                | <b><u>E04G 5 /-</u></b>  | <b><u>E21B 44 /-</u></b> | <b><u>F03D 1 /-</u></b>  | <b><u>F16L 27 /-</u></b> | 2023305046               |
| <b><u>D01F 6 /-</u></b>   | 2023279377               | 2023293091               | 2023287299               |                          | <b><u>F25B 1 /-</u></b>  |
| 2023335881                | <b><u>E04H 4 /-</u></b>  | 2023348630               | 2023291187               | 2023304333               | 2023302274               |
|                           |                          |                          | 2023291891               |                          |                          |
| <b><u>D04B 35 /-</u></b>  | 2023270821               | <b><u>E21B 47 /-</u></b> |                          | <b><u>F16L 55 /-</u></b> |                          |
|                           | 2023288145               | 2023297915               | <b><u>F03D 13 /-</u></b> | 2023288169               | <b><u>F25B 25 /-</u></b> |
| 2023288371                | <b><u>E04H 9 /-</u></b>  | 2023328211               | 2023291891               | <b><u>F17C 13 /-</u></b> | 2023298943               |
|                           |                          |                          |                          |                          | 2023300688               |
| <b><u>D05B 67 /-</u></b>  | 2023307412               | <b><u>E21B 49 /-</u></b> | <b><u>F03D 80 /-</u></b> |                          | <b><u>F25B 39 /-</u></b> |
| 2023288371                | <b><u>E05B 1 /-</u></b>  | 2023309264               | 2023291187               | 2023277957               | 2022463888               |
| <b><u>D05C 11 /-</u></b>  | 2023302652               | <b><u>E21C 25 /-</u></b> | <b><u>F03G 4 /-</u></b>  | 2023302581               |                          |
| 2023288371                | <b><u>E05B 19 /-</u></b> | 2023293528               | 2023283364               | <b><u>F21K 9 /-</u></b>  | <b><u>F25B 41 /-</u></b> |
| <b><u>D06B 11 /-</u></b>  | 2023278497               | <b><u>E21C 35 /-</u></b> | <b><u>F04B 35 /-</u></b> | <b><u>F21V 33 /-</u></b> | 2023302982               |
| 2023288371                | <b><u>E05B 63 /-</u></b> | 2023293528               | 2023292705               | 2023292288               | <b><u>F25B 49 /-</u></b> |
| <b><u>D06M 101 /-</u></b> | 2023302652               |                          |                          |                          | 2023302982               |
| 2023286186                |                          |                          |                          |                          |                          |

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| <b><u>F26B 21 /-</u></b> | <b><u>G01N 1 /-</u></b>  | <b><u>G01S 19 /-</u></b>  | <b><u>G06F 17 /-</u></b> | <b><u>G06T 7 /-</u></b>  | <b><u>G11B 27 /-</u></b> |
| 2023308507               | 2023296638               | 2023304981                | 2023289801               | 2023270496               | 2023292940               |
| <b><u>F26B 3 /-</u></b>  | 2023300385               | 2023316309                | <b><u>G06F 18 /-</u></b> | 2023288513               | <b><u>G16B 20 /-</u></b> |
| 2023308507               | <b><u>G01N 15 /-</u></b> | <b><u>G01S 5 /-</u></b>   | 2023270496               | 2023291264               | 2023315830               |
| <b><u>F27B 9 /-</u></b>  | 2023309264               | 2022472388                | 2023298296               | 2023307411               | <b><u>G16B 30 /-</u></b> |
| 2023286048               | 2024203531               | <b><u>G01V 1 /-</u></b>   | 2023299026               | <b><u>G06V 10 /-</u></b> | <b><u>G16B 30 /-</u></b> |
|                          | 2024266089               |                           | 2023307411               | 2023288513               | 2023282904               |
| <b><u>F27D 7 /-</u></b>  | <b><u>G01N 21 /-</u></b> | 2023293091                | <b><u>G06F 21 /-</u></b> | 2023298296               | <b><u>G16B 40 /-</u></b> |
| 2023286048               | 2023298078               | 2023297915                |                          | 2023307411               |                          |
| <b><u>F28D 1 /-</u></b>  | <b><u>G01N 27 /-</u></b> | 2023306131                | 2023302861               | 2023307485               | 2023283381               |
| 2023305046               | <b><u>G01N 27 /-</u></b> | <b><u>G02B 21 /-</u></b>  | <b><u>G06F 3 /-</u></b>  | 2023308731               | <b><u>G16H 10 /-</u></b> |
|                          | 2023298078               | 2024266089                | 2023270496               | 2023315676               |                          |
| <b><u>F28D 20 /-</u></b> | <b><u>G01N 29 /-</u></b> | <b><u>G02F 1 /-</u></b>   | 2023300704               | 2023318504               | 2023289398               |
| 2023299167               | 2023244562               |                           | <b><u>G06F 30 /-</u></b> | 2023443525               |                          |
| <b><u>F28D 21 /-</u></b> | <b><u>G01N 3 /-</u></b>  | 2023300704                | <b><u>G06F 30 /-</u></b> | <b><u>G06V 20 /-</u></b> | <b><u>G16H 20 /-</u></b> |
| 2023305046               |                          | <b><u>G03F 1 /-</u></b>   | 2023360854               | 2023288513               | 2023289046               |
| <b><u>F28D 9 /-</u></b>  | <b><u>G01N 30 /-</u></b> | 2023288632                | <b><u>G06F 9 /-</u></b>  | 2023307485               | <b><u>G16H 40 /-</u></b> |
| 2023307469               | 2023290270               | <b><u>G05B 13 /-</u></b>  | 2023270821               | 2023318504               | 2023288424               |
|                          | 2023295281               | 2023299185                | 2023277631               | 2023443525               |                          |
| <b><u>F28F 1 /-</u></b>  | <b><u>G01N 33 /-</u></b> | <b><u>G05B 17 /-</u></b>  | 2023303350               | <b><u>G06V 40 /-</u></b> | <b><u>G16H 50 /-</u></b> |
| 2023305046               |                          | 2023299185                | <b><u>G06N 20 /-</u></b> | 2023307411               | 2023276613               |
| <b><u>F41A 27 /-</u></b> | 2023270821               | <b><u>G05B 19 /-</u></b>  | 2023286652               | <b><u>G07C 9 /-</u></b>  | 2023284982               |
| 2023302638               | 2023276715               |                           | 2023299026               | 2023296722               | 2023289398               |
|                          | 2023283381               | 2023299185                | 2023299180               | <b><u>G07G 1 /-</u></b>  | 2023298296               |
| <b><u>F41J 5 /-</u></b>  | 2023283680               | <b><u>G05B 99 /-</u></b>  | 2023302861               | 2023318504               | 2023302353               |
| 2023282755               | 2023294616               | 2023270821                | 2023315676               | <b><u>G08B 17 /-</u></b> | <b><u>H01B 9 /-</u></b>  |
|                          | 2023295053               | <b><u>G06F 1 /-</u></b>   | 2023443525               | 2023291305               | 2023298292               |
| <b><u>F42D 1 /-</u></b>  | 2023295281               |                           | <b><u>G06N 3 /-</u></b>  | <b><u>G08B 21 /-</u></b> | <b><u>H01F 27 /-</u></b> |
| 2023360854               | 2023296605               | 2023292314                | 2022472388               | 2023279377               | 2023270599               |
| <b><u>F42D 3 /-</u></b>  | 2023298078               | 2023293045                | 2023298296               | 2023279381               | <b><u>H01F 41 /-</u></b> |
|                          | 2023300118               | 2023308862                | 2023302861               | 2023290270               | 2023270599               |
| <b><u>G01D 11 /-</u></b> | 2023300391               | 2023347634                | <b><u>G06Q 10 /-</u></b> | 2023443525               | <b><u>H01G 11 /-</u></b> |
| 2023297163               | 2023301275               | <b><u>G06F 11 /-</u></b>  | 2023284915               | <b><u>G08B 25 /-</u></b> | 2023286186               |
| <b><u>G01K 1 /-</u></b>  | 2023304732               | 2023299180                | 2023298501               | 2023279381               | 2023301653               |
| 2023297163               | 202334501                | <b><u>G06F 111 /-</u></b> | 2023332284               | 2023282460               | <b><u>H01G 9 /-</u></b>  |
| <b><u>G01K 7 /-</u></b>  | <b><u>G01N 35 /-</u></b> | 2023360854                | <b><u>G06Q 20 /-</u></b> | <b><u>G08B 27 /-</u></b> | 2023276026               |
| 2023297163               | 2023289398               | <b><u>G06F 13 /-</u></b>  | 2023300350               | 2023279381               | <b><u>H01H 71 /-</u></b> |
| <b><u>G01L 1 /-</u></b>  | <b><u>G01R 15 /-</u></b> | <b><u>G06F 15 /-</u></b>  | 2023318504               | <b><u>G09B 5 /-</u></b>  | 2022487110               |
| 2023279377               | 2023302534               | 2023270821                | <b><u>G06Q 50 /-</u></b> | 2023289046               | 2023304563               |
| <b><u>G01L 5 /-</u></b>  | <b><u>G01R 31 /-</u></b> | <b><u>G06F 16 /-</u></b>  | 2023279381               | <b><u>G09F 13 /-</u></b> | <b><u>H01H 9 /-</u></b>  |
| 2023279377               | 2023302751               | 2023277631                | 2023332284               | 2023300704               | 2023304563               |
| <b><u>G01M 3 /-</u></b>  | <b><u>G01S 11 /-</u></b> | 2023303350                | <b><u>G06T 1 /-</u></b>  | <b><u>G10H 1 /-</u></b>  | <b><u>H01J 49 /-</u></b> |
| 2023307469               | 2023295846               | 2023289801                | 2023288513               | 2023365270               | 2023283381               |
| 2023333950               | <b><u>G01S 15 /-</u></b> | 2023303350                | <b><u>G06T 17 /-</u></b> | <b><u>G10K 11 /-</u></b> | 2023284965               |
|                          | 2023273828               | 2023315676                | 2023292940               | 2023303902               | <b><u>H01L 21 /-</u></b> |
|                          |                          |                           | <b><u>G06T 19 /-</u></b> | 2023306131               | 2023278783               |
|                          |                          |                           | 2023270496               |                          |                          |

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| <b><u>H01L 23 /-</u></b> | <b><u>H02M 7 /-</u></b>  | <b><u>H04N 7 /-</u></b>  | <b><u>H10N 10 /-</u></b> |
| 2023292314               | 2023307648               | 2023298431               | 2023291305               |
| <b><u>H01M 10 /-</u></b> | <b><u>H04B 1 /-</u></b>  | <b><u>H04Q 3 /-</u></b>  |                          |
| 2023286186               | 2023286860               | 2023295263               |                          |
| 2023301653               | 2023295642               | <b><u>H04R 1 /-</u></b>  |                          |
| 2023302751               | <b><u>H04L 27 /-</u></b> | 2023286077               |                          |
| <b><u>H01M 4 /-</u></b>  | 2022473583               | <b><u>H04R 29 /-</u></b> |                          |
| 2023286186               | 2022491786               | 2023287675               |                          |
| <b><u>H01M 50 /-</u></b> | 2023295642               | <b><u>H04R 3 /-</u></b>  |                          |
| 2023301653               | <b><u>H04L 5 /-</u></b>  | 2023306007               |                          |
| <b><u>H01M 8 /-</u></b>  | 2023282993               | <b><u>H04R 5 /-</u></b>  |                          |
| 2023300562               | 2023286860               | 2023286077               |                          |
| 2023313092               | <b><u>H04L 65 /-</u></b> | <b><u>H04R 7 /-</u></b>  |                          |
| 2023315969               | 2023280068               | 2023318176               |                          |
| <b><u>H01R 12 /-</u></b> | <b><u>H04L 67 /-</u></b> | <b><u>H04R 9 /-</u></b>  |                          |
| 2023355990               | 2023300350               | <b><u>H04S 7 /-</u></b>  |                          |
| <b><u>H01R 13 /-</u></b> | <b><u>H04L 9 /-</u></b>  | 2023306007               |                          |
| 2023270467               | 2023297780               | <b><u>H04W 36 /-</u></b> |                          |
| <b><u>H02B 1 /-</u></b>  | 2023302861               | 2023318231               |                          |
| 2022487110               | <b><u>H04M 1 /-</u></b>  | <b><u>H04W 4 /-</u></b>  |                          |
| <b><u>H02G 11 /-</u></b> | 2023293045               | 2023279381               |                          |
| 2023298292               | <b><u>H04M 3 /-</u></b>  | 2023295846               |                          |
| <b><u>H02G 3 /-</u></b>  | 2023295263               | <b><u>H04W 56 /-</u></b> |                          |
| 2023298292               | <b><u>H04M 7 /-</u></b>  | 2023273298               |                          |
| <b><u>H02J 15 /-</u></b> | 2023295263               | <b><u>H04W 72 /-</u></b> |                          |
| 2023283998               | <b><u>H04N 17 /-</u></b> | 2022475196               |                          |
| <b><u>H02J 3 /-</u></b>  | 2023271942               | 2022491786               |                          |
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| 2023302982               | 2023296580               | <b><u>H10K 85 /-</u></b> |                          |
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C07F 15/00 ( 2006.01 )  
C08G 77/20 ( 2006.01 )  
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COMPOSITE PARTS, METHODS AND  
USE  
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B32B 1/00 ( 2006.01 )  
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B32B 5/12 ( 2006.01 )  
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| 2017377868 | Neogen Corporation                                                                                                                  | 2019389017 | H. Lundbeck A/S                                                                                                          |
| 2018256662 | Caterpillar Underground Mining Pty Ltd                                                                                              | 2019389294 | Ethicon, Inc.                                                                                                            |
| 2018256887 | Immusoft Corporation                                                                                                                | 2019389878 | Alcon Inc.                                                                                                               |
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| 2018297987 | Oakbio Inc.                                                                                                                         | 2019398886 | Stiatti, A.; Stiatti, A.; Stiatti, M.                                                                                    |
| 2018300982 | Dana-Farber Cancer Institute, Inc.; The General Hospital Corporation d/b/a Massachusetts General Hospital                           | 2019398887 | Societe Des Produits Nestle SA                                                                                           |
| 2018328764 | Monash University                                                                                                                   | 2019400665 | Reemtsma Cigarettenfabriken GmbH                                                                                         |
| 2018330584 | Daiichi Sankyo Company, Limited                                                                                                     | 2019407085 | Ceres Intellectual Property Company Limited                                                                              |
| 2018346724 | Sanofi Pasteur                                                                                                                      | 2019409410 | Coloplast A/S                                                                                                            |
| 2018346971 | Novo Nordisk Health Care AG                                                                                                         | 2019410333 | Globe (Jiangsu) Co., Ltd.                                                                                                |
| 2018357091 | Cellpharma Kft.; Természettudományi Kutatóközpont                                                                                   | 2019411162 | Globe (Jiangsu) Co., Ltd.                                                                                                |
| 2018358051 | The Regents of The University of California                                                                                         | 2019423646 | Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation                                                 |
| 2018361819 | Oxford BioTherapeutics Ltd                                                                                                          | 2019427475 | Kimberly-Clark Worldwide, Inc.                                                                                           |
| 2018377856 | CSL Limited                                                                                                                         | 2019428406 | DISRAD AG                                                                                                                |
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| 2018388467 | Janssen Biotech, Inc.                                                                                                               | 2020202432 | The Boeing Company                                                                                                       |
| 2018392996 | Biotelliga Holdings Limited                                                                                                         | 2020203260 | Soler & Palau Research, S.L                                                                                              |
| 2018437072 | Bardex Corporation                                                                                                                  | 2020208399 | Becton, Dickinson and Company                                                                                            |
| 2018453343 | Halliburton Energy Services, Inc.                                                                                                   | 2020211286 | Bitdefender IPR Management Ltd                                                                                           |
| 2018455227 | Halliburton Energy Services, Inc.                                                                                                   | 2020212262 | zacktrack GmbH                                                                                                           |
| 2019201225 | Illinois Tool Works Inc.                                                                                                            | 2020213820 | Edwards, A.; Edwards, S.                                                                                                 |
| 2019206492 | Metimedi Pharmaceuticals Co., Ltd.                                                                                                  | 2020219929 | Egress Software Technologies IP Ltd                                                                                      |
| 2019206648 | Genzyme Corporation                                                                                                                 | 2020222041 | Zephapharm Ltd                                                                                                           |
| 2019207600 | Theriva Biologics, Inc.                                                                                                             | 2020225325 | Mannesch, A.                                                                                                             |
| 2019208154 | Nolangroup S.p.A.                                                                                                                   | 2020230859 | EMvision Medical Devices Ltd                                                                                             |
| 2019215219 | J.H. Fletcher & Co.                                                                                                                 | 2020231237 | Hubbell Incorporated                                                                                                     |
| 2019217006 | Ono Pharmaceutical Co., Ltd.                                                                                                        | 2020232130 | Novioscan B.V.                                                                                                           |
| 2019231192 | 4D VISION CORP                                                                                                                      | 2020235615 | The Chamberlain Group LLC                                                                                                |
| 2019247835 | FMC IP Technology GmbH                                                                                                              | 2020241262 | Intel Corporation                                                                                                        |
| 2019250645 | Fisher & Paykel Healthcare Limited                                                                                                  | 2020243532 | Mt Ortho S.r.l.                                                                                                          |
| 2019255212 | Chart Energy & Chemicals, Inc.                                                                                                      | 2020251740 | BAE Systems plc                                                                                                          |
| 2019257179 | Dose Health, LLC                                                                                                                    | 2020257077 | University of Science and Technology Beijing                                                                             |
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| 2019268054 | WIREMAN PTY LIMITED                                                                                                                 | 2020320834 | Huawei Digital Power Technologies Co., Ltd.                                                                              |
| 2019270613 | RAI Strategic Holdings, Inc.                                                                                                        | 2020328418 | Eae Elektrik Asansor Endustrisi Insaat Sanayi Ve Ticaret Anonim Sirketi                                                  |
| 2019277382 | PTC Therapeutics MP, Inc.                                                                                                           | 2020359928 | Harbour Biomed (Shanghai) Co., Ltd.                                                                                      |
| 2019282408 | Nichesolutions (GB) Limited                                                                                                         | 2020372879 | Owens-Brockway Glass Container Inc.                                                                                      |
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| 2019289917 | Cellestia Biotech AG                                                                                                                | 2020408394 | Quanta Associates, L.P.                                                                                                  |
| 2019297326 | Bausch + Lomb Ireland Limited                                                                                                       | 2020451827 | Creative Biosciences (Guangzhou) Co., Ltd.                                                                               |
| 2019297411 | Roquette Freres                                                                                                                     | 2021212667 | Nelson Irrigation Corporation                                                                                            |
| 2019298237 | Cytec Industries, Inc.                                                                                                              | 2021213754 | DJO, LLC                                                                                                                 |
| 2019299439 | Sotio, LLC                                                                                                                          | 2021252813 | Bioneer Corporation; siRNAgen Therapeutics Corporation; Soonchunhyang University Industry Academy Cooperation Foundation |
| 2019311233 | BioNTech SE; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH | 2021258870 | Qingdao Highway IOT Technology Co., Ltd.; MESNAC Co., Ltd.                                                               |
| 2019321182 | Cambridge Glycoscience Ltd.                                                                                                         | 2021299267 | GlaxoSmithKline Consumer Healthcare Holdings (US) LLC                                                                    |
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| 2021420802 | Cj Cheiljedang Corporation                                                                                 | 2023229508 | Ningbo Poolstar Pool Products Co., Ltd.     |
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| 2022201248 | Illumina, Inc.                                                                                             | 2023258429 | Sungrow Power Supply Co., Ltd.              |
| 2022204215 | China Automotive Technology and Research Center Co., Ltd; Catarc Automotive Test Center (Tianjin) Co., Ltd | 2023259236 | XINTHERA, INC.                              |
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| 2022213452 | PAYPAL, INC.                                                                                               | 2023278033 | Wassef, M.                                  |
| 2022215700 | HUAWEI TECHNOLOGIES CO., LTD.                                                                              | 2023282320 | Canva Pty Ltd                               |
| 2022217353 | WUHAN HUMANWELL INNOVATIVE DRUG RE-SEARCH AND DEVELOPMENT CENTER LIMITED COMPANY                           | 2024201381 | TMA Capital Australia Pty Ltd               |
| 2022220805 | BOSTON SCIENTIFIC NEUROMODULATION CORPORATION                                                              | 2024201591 | Merck Patent GmbH                           |
| 2022231726 | Millennium Pharmaceuticals, Inc.                                                                           | 2024203672 | The Regents of the University of California |
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| 2022232114 | INNOLCON MEDICAL TECHNOLOGY (SUZHOU) CO., LTD.                                                             |            |                                             |
| 2022233243 | UNILEVER GLOBAL IP LIMITED                                                                                 |            |                                             |
| 2022235067 | HEXCEL REINFORCEMENTS                                                                                      |            |                                             |
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| 2022262656 | CALABRIO, INC.                                                                                             |            |                                             |
| 2022275430 | Dana-Farber Cancer Institute, Inc.                                                                         |            |                                             |
| 2022277374 | WILHELM LAYHER VERWALTUNGS-GMBH                                                                            |            |                                             |
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| 2022287205 | SYNGENTA CROP PROTECTION AG                                                                                |            |                                             |
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| 2022288898 | JAPAN SCIENCE AND TECHNOLOGY AGENCY                                                                        |            |                                             |
| 2022291542 | nthalmic holding pty ltd; Brighten Optix Corp.                                                             |            |                                             |
| 2022291555 | University of Pittsburgh - Of The Commonwealth System of Higher Education; Carnegie Mellon University      |            |                                             |
| 2022293027 | MITSUBISHI HEAVY INDUSTRIES, LTD.                                                                          |            |                                             |
| 2022293393 | BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC.                                            |            |                                             |
| 2022299868 | YANSHAN UNIVERSITY                                                                                         |            |                                             |
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| 2022325394 | GIESECKE+DEVRIENT MOBILE SECURITY GERMANY GMBH                                                             |            |                                             |
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| 2022379644 | SHOPIFY INC.                                                                                               |            |                                             |
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| 2022448328 | FUJI DIE CO., LTD.                                                                                         |            |                                             |
| 2022458292 | MITSUBISHI ELECTRIC CORPORATION                                                                            |            |                                             |
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| 2023201022 | Spogen Biotech Inc.                                                                                        |            |                                             |
| 2023202028 | Schlage Lock Company LLC                                                                                   |            |                                             |
| 2023202490 | AstraZeneca AB                                                                                             |            |                                             |
| 2023202624 | Shenzhen Aiper Intelligent Co., Ltd.                                                                       |            |                                             |
| 2023202757 | Acer Incorporated                                                                                          |            |                                             |
| 2023203067 | Getac Technology Corporation                                                                               |            |                                             |
| 2023204225 | CCL Secure Pty Ltd                                                                                         |            |                                             |
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| 2023216766 | Howmedica Osteonics Corp.                                                                                  |            |                                             |
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| 2019217006               | <b><u>B07C 5 /-</u></b>  | <b><u>B32B 7 /-</u></b>  | <b><u>B65C 9 /-</u></b>  | 2019391434                | 2018330584                |
| 2019267011               | 2023241274               | 2022235067               | 2021258870               | <b><u>C07D 213 /-</u></b> | 2018357091                |
| 2019289917               | <b><u>B21F 1 /-</u></b>  | <b><u>B33Y 80 /-</u></b> | <b><u>B65D 1 /-</u></b>  | 2019289917                | 2019311233                |
| 2019299439               | 2019268054               | 2023200653               | 2018282449               | <b><u>C07D 247 /-</u></b> | <b><u>C07K 16 /-</u></b>  |
| 2019311233               | <b><u>B21F 9 /-</u></b>  | <b><u>B41F 11 /-</u></b> | <b><u>B65D 25 /-</u></b> | 2019389017                | 2017367734                |
| 2020279731               | 2019268054               | 2023204225               | 2018282449               | <b><u>C07D 273 /-</u></b> | 2018328764                |
| 2020405427               | <b><u>B22F 10 /-</u></b> | <b><u>B41M 3 /-</u></b>  | 2021318953               | 2021378949                | 2018361819                |
| 2021356123               | 2023200653               | 2023204225               | <b><u>B65D 43 /-</u></b> | 2020358885                | 2018377856                |
| 2022217353               | <b><u>B22F 3 /-</u></b>  | <b><u>B42D 25 /-</u></b> | 2018282449               | <b><u>C07D 401 /-</u></b> | 2019217006                |
| 2023259236               | 2023200653               | 2023204225               | <b><u>B65D 6 /-</u></b>  | 2020396565                | 2019358885                |
| <b><u>A61P 37 /-</u></b> | <b><u>B23B 31 /-</u></b> | <b><u>B60B 7 /-</u></b>  | 2021318953               | 2023226778                | 2020279731                |
| 2019217006               | 2019215219               | 2021455608               | <b><u>B65D 65 /-</u></b> | <b><u>C07D 403 /-</u></b> | 2020359928                |
| <b><u>A61P 43 /-</u></b> | <b><u>B23K 1 /-</u></b>  | <b><u>B60G 11 /-</u></b> | 2022466095               | <b><u>C07D 405 /-</u></b> | 202231726                 |
| 2018330584               | 2022287641               | 2021449518               | <b><u>B65D 81 /-</u></b> | 2020396565                | <b><u>C08B 37 /-</u></b>  |
| 2018377856               | <b><u>B25B 25 /-</u></b> | <b><u>B60G 17 /-</u></b> | 2018282449               | 2023226778                | 2019321182                |
| 2019217006               | 2019268054               | 2022299868               | 2021318953               | <b><u>C07D 409 /-</u></b> | <b><u>C08F 220 /-</u></b> |
| <b><u>A61P 5 /-</u></b>  | <b><u>B25J 9 /-</u></b>  | <b><u>B63B 21 /-</u></b> | <b><u>B65D 83 /-</u></b> | 2023226778                | 2019298237                |
| 2019217006               | 2021258870               | 2018437072               | 2021318953               | <b><u>C07D 413 /-</u></b> | <b><u>C08G 18 /-</u></b>  |
| <b><u>A61P 7 /-</u></b>  | <b><u>B29B 13 /-</u></b> | <b><u>B64C 39 /-</u></b> | <b><u>B65D 85 /-</u></b> | 2021378949                | 2019257739                |
| 2018328764               | 2022204215               | 2022256080               | 2018282449               | <b><u>C07D 453 /-</u></b> | <b><u>C08G 77 /-</u></b>  |
| 2019217006               | <b><u>B29B 7 /-</u></b>  | <b><u>B64U 20 /-</u></b> | <b><u>B65H 5 /-</u></b>  | 2022217353                | 2019389294                |
| 2020396565               | 2022204215               | 2022406621               | 2021258870               | <b><u>C07D 471 /-</u></b> | <b><u>C08H 8 /-</u></b>   |
| <b><u>A61P 9 /-</u></b>  | <b><u>B29C 41 /-</u></b> | <b><u>B64U 50 /-</u></b> | <b><u>B66D 1 /-</u></b>  | 2019338236                | 2019321182                |
| 2018330584               | 2022204215               | 2022406621               | 2020408394               | 2019346147                | <b><u>C08L 75 /-</u></b>  |
| 2018377856               | 2022204215               | 2022406621               | <b><u>B66F 11 /-</u></b> | 2020396565                | 2019257739                |
| 2019206492               | <b><u>B29C 70 /-</u></b> | <b><u>B65B 25 /-</u></b> | 2018256662               | 2022217353                | <b><u>C09D 183 /-</u></b> |
| 2019217006               | 2023200653               | 2020213820               | <b><u>B66F 9 /-</u></b>  | 2022287205                | 2019389294                |
| 2020396565               | <b><u>B29K 27 /-</u></b> | <b><u>B65B 35 /-</u></b> | 2024264642               | 2023259236                | <b><u>C10L 3 /-</u></b>   |
| <b><u>A61Q 17 /-</u></b> |                          |                          |                          | <b><u>C07D 487 /-</u></b> | 2019322390                |
| 2021393980               |                          |                          |                          | 2020405427                | <b><u>C11D 1 /-</u></b>   |
| <b><u>A61Q 19 /-</u></b> |                          |                          |                          | 2022287205                | 2022233243                |
| 2018378419               |                          |                          |                          | 2023259236                |                           |
| 2019341663               |                          |                          |                          |                           |                           |
| <b><u>A61Q 5 /-</u></b>  |                          |                          |                          |                           |                           |
| 2019257739               |                          |                          |                          |                           |                           |
| <b><u>B01D 29 /-</u></b> |                          |                          |                          |                           |                           |
| 2023202624               |                          |                          |                          |                           |                           |
| <b><u>B01D 35 /-</u></b> |                          |                          |                          |                           |                           |

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| <b>C11D 17 /-</b> | 2022287641               | <b>E04C 2 /-</b>                       | <b>F24F 11 /-</b>                                                                | <b>G03G 21 /-</b>        | 2020271905<br>2023282320               |
| 2022233243        | <b>C22B 25 /-</b>        | 2019201225                             | 2022458292                                                                       | 2023233212               | <b>G07B 15 /-</b>                      |
| <b>C11D 3 /-</b>  | 2022287641               | <b>E04G 11 /-</b>                      | <b>F25D 23 /-</b>                                                                | <b>G05B 19 /-</b>        | 2024201381                             |
| 2022233243        | <b>C22B 7 /-</b>         | 2022277374                             | 2021443587                                                                       | 2020202432               | <b>G07C 9 /-</b>                       |
| <b>C12M 1 /-</b>  | 2022287641               | <b>E04G 25 /-</b>                      | <b>F25D 25 /-</b>                                                                | <b>G05D 16 /-</b>        | 2024201381                             |
| 2019358885        | <b>C22B 9 /-</b>         | 2022277374                             | 2021443587                                                                       | 2021212667               | <b>G07F 17 /-</b>                      |
| <b>C12N 1 /-</b>  | 2020257077               | <b>E04G 3 /-</b>                       | <b>F25J 1 /-</b>                                                                 | <b>G06E 1 /-</b>         | 2019257179                             |
| 2018297987        | <b>C22C 1 /-</b>         | 2022277374                             | 2019255212<br>2022257607                                                         | 2024203672               | <b>G07F 7 /-</b>                       |
| 2018330584        | 2023200653               | <b>E04G 5 /-</b>                       | <b>F27B 9 /-</b>                                                                 | <b>G06F 1 /-</b>         | 2019373673                             |
| <b>C12N 15 /-</b> | <b>C25B 1 /-</b>         | 2022277374                             | 2022287641                                                                       | 2023203067               | <b>G07F 9 /-</b>                       |
| 2018256887        | 2019407085               | <b>E04H 17 /-</b>                      | <b>G01N 21 /-</b>                                                                | <b>G06F 15 /-</b>        | 2019373673                             |
| 2018330584        | 2022209558               | 2019268054                             | 2017377868<br>2018357091<br>2023201022                                           | 2022213452               | <b>G08B 21 /-</b>                      |
| 2018346971        | <b>C25B 11 /-</b>        | <b>E04H 4 /-</b>                       | <b>G01N 29 /-</b>                                                                | <b>G06F 21 /-</b>        | 2023235902                             |
| 2018392996        | 2022209558               | 2023202624<br>2023229508               | 2020232130                                                                       | 2020211286<br>2024201591 | <b>G08B 3 /-</b>                       |
| 2020389322        | 2022448328               | <b>E04H 5 /-</b>                       | <b>G01N 33 /-</b>                                                                | <b>G06F 40 /-</b>        | 2023235902                             |
| 2020451827        | <b>C25B 9 /-</b>         | 2021330472                             | 2017377868<br>2018357091<br>2019206648<br>2019207600<br>2021252813<br>2022416375 | 2022262656               | <b>G09B 19 /-</b>                      |
| 2021420802        | 2019407085               | <b>E21B 17 /-</b>                      | <b>G01R 31 /-</b>                                                                | <b>G06F 9 /-</b>         | 2018300982                             |
| 2022201248        | <b>C25D 17 /-</b>        | 2018453343<br>2018455227<br>2019215219 | 2019351722                                                                       | 2020241262               | <b>G10K 11 /-</b>                      |
| <b>C12N 5 /-</b>  | 2022448328               | <b>E21B 19 /-</b>                      | <b>G01S 13 /-</b>                                                                | <b>G06N 20 /-</b>        | 2020251740                             |
| 2018256887        | <b>D01D 1 /-</b>         | 2018453343                             | <b>G01S 7 /-</b>                                                                 | 2022262656               | <b>G16H 40 /-</b>                      |
| 2018330584        | 2019298237               | <b>E21B 33 /-</b>                      | <b>G01S 13 /-</b>                                                                | <b>G06N 3 /-</b>         | 2020208399                             |
| 2019299439        | <b>D01F 9 /-</b>         | <b>E21B 41 /-</b>                      | <b>G01S 7 /-</b>                                                                 | 2020271905<br>2023282320 | <b>G16H 50 /-</b>                      |
| <b>C12N 9 /-</b>  | <b>D03D 13 /-</b>        | 2021354892                             | <b>G02B 21 /-</b>                                                                | <b>G06Q 10 /-</b>        | 2020208399                             |
| 2018358051        | 2021402831               | 2018256662                             | 2019283872                                                                       | 2024264642               | <b>H01F 38 /-</b>                      |
| 2019207600        | <b>D06F 37 /-</b>        | <b>E21B 7 /-</b>                       | <b>G02C 7 /-</b>                                                                 | <b>G06T 11 /-</b>        | 2019288453<br>2020231237               |
| 2022201248        | <b>D06F 58 /-</b>        | 2018256662                             | 2020212262                                                                       | <b>G06T 7 /-</b>         | <b>H01L 31 /-</b>                      |
| <b>C12P 1 /-</b>  | 2021336354               | <b>E21D 21 /-</b>                      | <b>G03B 15 /-</b>                                                                | 2023282320               | 2019231192                             |
| 2021420802        | <b>D21F 1 /-</b>         | 2023206225                             | <b>G03B 17 /-</b>                                                                | <b>G06T 3 /-</b>         | <b>H01M 10 /-</b>                      |
| <b>C12P 13 /-</b> | <b>E02F 3 /-</b>         | <b>F02B 63 /-</b>                      | 2022259820<br>2022291542                                                         | 2022379644               | 2019359479<br>2022406621<br>2023258429 |
| 2021420802        | 2019322200<br>2022305165 | 2021330472                             | <b>G03B 15 /-</b>                                                                | 2022379644<br>2023282320 | <b>H01M 4 /-</b>                       |
| <b>C12P 19 /-</b> | <b>E02F 7 /-</b>         | <b>F16F 15 /-</b>                      | 2020212262                                                                       | <b>G06T 9 /-</b>         | 2019359479<br>2022448328               |
| 2019321182        | 2019322200               | 2020251740                             | <b>G03B 5 /-</b>                                                                 | 2020271905<br>2023282320 | <b>H01M 50 /-</b>                      |
| <b>C12P 21 /-</b> | <b>E03D 9 /-</b>         | <b>F16F 7 /-</b>                       | 2020235615                                                                       | <b>G06T 9 /-</b>         | 2019410333<br>2019411162<br>2022406621 |
| 2018330584        | 2022233243               | <b>F16L 15 /-</b>                      | 2020212262                                                                       | 2020271905<br>2022379644 | <b>H01M 8 /-</b>                       |
| <b>C12Q 1 /-</b>  | <b>E04B 1 /-</b>         | 2018455227                             | <b>G03G 15 /-</b>                                                                | <b>G06V 10 /-</b>        | 2019407085                             |
| 2018300982        | 2021330472               |                                        | 2023233212                                                                       |                          |                                        |
| 2018358051        |                          |                                        |                                                                                  |                          |                                        |
| 2019207600        |                          |                                        |                                                                                  |                          |                                        |
| 2020389322        |                          |                                        |                                                                                  |                          |                                        |
| 2020451827        |                          |                                        |                                                                                  |                          |                                        |
| 2022275430        |                          |                                        |                                                                                  |                          |                                        |

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| 2022293027                             | <b><u>H04L 27 /-</u></b>               |
| <b><u>H01Q 1 /-</u></b>                | 2022293393<br>2023202757               |
| 2020225325                             | <b><u>H04L 5 /-</u></b>                |
| <b><u>H01Q 3 /-</u></b>                | 2021366173                             |
| 2019283872                             | <b><u>H04L 51 /-</u></b>               |
| <b><u>H01Q 9 /-</u></b>                | 2022231728                             |
| 2020225325                             | <b><u>H04L 67 /-</u></b>               |
| <b><u>H01R 13 /-</u></b>               | 2020211286<br>2020219929               |
| 2019359378                             | <b><u>H04L 9 /-</u></b>                |
| <b><u>H01R 24 /-</u></b>               | 2023202028<br>2024201591               |
| 2019359378                             | <b><u>H02G 1 /-</u></b>                |
| <b><u>H02G 1 /-</u></b>                | <b><u>H04N 1 /-</u></b>                |
| 2020408394                             | 2022379644                             |
| <b><u>H02G 5 /-</u></b>                | <b><u>H04N 19 /-</u></b>               |
| 2020328418                             | 2019358651<br>2023222943<br>2023266345 |
| <b><u>H02J 1 /-</u></b>                | <b><u>H04W 12 /-</u></b>               |
| 2020320834                             | 2020211286<br>2022325394               |
| <b><u>H02J 3 /-</u></b>                | <b><u>H04W 24 /-</u></b>               |
| 2019423646<br>2020320834<br>2021340699 | 2022215700                             |
| <b><u>H02J 50 /-</u></b>               | <b><u>H04W 72 /-</u></b>               |
| 2019288453<br>2020231237               | 2023202757                             |
| <b><u>H02J 7 /-</u></b>                | <b><u>H05K 5 /-</u></b>                |
| 2019410333<br>2019411162<br>2023258429 | 2023203067                             |
| <b><u>H02K 5 /-</u></b>                | <b><u>H05K 7 /-</u></b>                |
| 2020203260                             | 2023203067                             |
| <b><u>H02M 7 /-</u></b>                |                                        |
| 2019423646                             |                                        |
| <b><u>H02P 6 /-</u></b>                |                                        |
| 2020203260                             |                                        |
| <b><u>H02S 10 /-</u></b>               |                                        |
| 2022288898                             |                                        |
| <b><u>H04J 13 /-</u></b>               |                                        |
| 2022293393                             |                                        |
| <b><u>H04L 1 /-</u></b>                |                                        |
| 2022293393                             |                                        |

**Certified Innovation Patents****Name Index**

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

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**(71)** FAIR OCEAN TRADING AUSTRALIA  
PTY LTD

**(11)** AU-B-2024100029

**(21)** 2024100029 **(22)** 12.08.2024

**(54)** LOCKABLE POUCH FOR A MOBILE  
PHONE

**(51)** Int. Cl.

**A45C 11/00** ( 2006.01 )

**A45C 13/00** ( 2006.01 )

**A45C 13/10** ( 2006.01 )

**H04B 1/3888** ( 2015.01 )

**A44B 1/28** ( 2006.01 )

**(45)** 09.01.2025

**(62)** 2021101508

**(72)** Deng, Yichao

**(74)** Koch IP Pty Ltd

Numerical Index

2024100029 FAIR OCEAN TRADING AUSTRALIA PTY LTD

IPC Index

A44B 1 /-

2024100029

A45C 11 /-

2024100029

A45C 13 /-

2024100029

H04B 1 /-

2024100029

## Opposition Proceedings

(The name in parentheses is that of the opponent)

### Opposition Lodged

|            |                                                                                         |
|------------|-----------------------------------------------------------------------------------------|
| 2018375995 | <b>Benchmark Genetics Iceland hf</b> ( Tasmanian Salmonid Growers Association Limited ) |
| 2018375995 | <b>Benchmark Genetics Iceland hf</b> ( AquaGen AS )                                     |
| 2020398382 | <b>Sciencons AS</b> ( AdvanCell Pty Limited )                                           |
| 2022224837 | <b>Indian Ocean Engineering Pty Ltd</b> ( UON Pty Ltd )                                 |
| 2023202404 | <b>Wonderland Switzerland AG</b> ( Dorel Australia Pty Ltd )                            |

## Patents Granted

### Standard Patents

2018221774 2018371168 2019228717

## Revocation

It is hereby notified that as a consequence of a court order dated 03.04.2023 by the Federal Court of New South Wales in proceedings number NSD1013/2020 , Patent 2020100485 in the name of **Polaris IP Pty Ltd** has been revoked in relation to Patent Revoked by Order of Justice Burley 3 April 2023 .

It is hereby notified that as a consequence of a court order dated 03.04.2023 by the Federal Court of New South Wales in proceedings number NSD1013/2020 , Patent 2020102918 in the name of **Polaris IP Pty Ltd** has been revoked in relation to Patent Revoked by Order of Justice Burley 3 April 2023 .

## Assignments Registered

|            |                                 |                                                                             |
|------------|---------------------------------|-----------------------------------------------------------------------------|
| 2005200760 | Hargrave, Fiona                 | The patent has been assigned to <b>NICKLESS, GARY</b>                       |
| 2008205450 | Hargrave, Fiona                 | The patent has been assigned to <b>NICKLESS, GARY</b>                       |
| 2008294585 | Jankel Armouring Limited        | The patent has been assigned to <b>NP Aerospace SV Limited</b>              |
| 2009204048 | Albany Molecular Research, Inc. | The patent has been assigned to <b>Harmony Biosciences Management, Inc.</b> |
| 2010270041 | Jankel Armouring Limited        | The patent has been assigned to <b>NP Aerospace SV Limited</b>              |
| 2014252763 | Purton, William                 | The patent has been assigned to <b>MAYVIEW PTY LTD</b>                      |
| 2015268105 | HEARTWARE, INC.                 | The patent has been assigned to <b>Boston Scientific Scimed, Inc.</b>       |
| 2015271599 | Levven Automation Inc.          | The patent has been assigned to <b>Levven Electronics Ltd</b>               |
| 2015315431 | OPKO HEALTH, INC.               | The patent has been assigned to <b>EirGen Pharma Ltd.</b>                   |
| 2018202714 | OPKO HEALTH, INC.               | The patent has been assigned to <b>EirGen Pharma Ltd.</b>                   |
| 2018351068 | Centinel Spine, LLC             | The patent has been assigned to <b>Silony Spine Corp.</b>                   |
| 2021202816 | PURTON, William Westmore        | The patent has been assigned to <b>MAYVIEW PTY LTD</b>                      |

## Corrigenda

In Vol 59 , No 1 , Page(s) 23 under the heading **Amendments - Application for Amendments** Under the name The Trustees of the University of Pennsylvania, Patent No. 2020200767 correct the date of the statements filed to read 7 May 2024 and 30 Oct 2024

## Specifications Republished

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

|            |                                                                                                            |
|------------|------------------------------------------------------------------------------------------------------------|
| 2019205269 | <b>Twist Bioscience Corporation</b>                                                                        |
| 2020464752 | <b>KIMBERLY-CLARK WORLDWIDE, INC.</b>                                                                      |
| 2020465973 | <b>KIMBERLY-CLARK WORLDWIDE, INC.</b>                                                                      |
| 2020468924 | <b>KIMBERLY-CLARK WORLDWIDE, INC.</b>                                                                      |
| 2020476670 | <b>ZURIMED TECHNOLOGIES AG</b>                                                                             |
| 2020476757 | <b>MAGALDI POWER S.P.A.</b>                                                                                |
| 2021329403 | <b>PRECISION BIOSCIENCES, INC.</b>                                                                         |
| 2021330958 | <b>Regeneron Pharmaceuticals, Inc.</b>                                                                     |
| 2021331069 | <b>AXON ENTERPRISE, INC.</b>                                                                               |
| 2021336657 | <b>CLIPLEX IP LIMITED</b>                                                                                  |
| 2021336662 | <b>KINOXIS THERAPEUTICS PTY LTD</b>                                                                        |
| 2021337864 | <b>YZTHERAPEUTIC PERFORMANCE LTD.</b>                                                                      |
| 2021338411 | <b>KUSE, Kolja; Jörg, F.V.U.Z.W.; Phillip, P.</b>                                                          |
| 2021338527 | <b>INTELLEGO TECHNOLOGIES AB (SWEDEN)</b>                                                                  |
| 2021340890 | <b>SANOFI</b>                                                                                              |
| 2021340897 | <b>ENQUYST TECHNOLOGIES INC.</b>                                                                           |
| 2021342492 | <b>GOOGLE LLC</b>                                                                                          |
| 2021343194 | <b>BECTON, DICKINSON AND COMPANY</b>                                                                       |
| 2021343372 | <b>HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY</b>                                              |
| 2021343471 | <b>Bruker Spatial Biology, Inc.</b>                                                                        |
| 2021343589 | <b>CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE; CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.</b> |
| 2021344311 | <b>FTC SOLAR, INC.</b>                                                                                     |
| 2021344606 | <b>EMOJI ID, LLC</b>                                                                                       |
| 2021345024 | <b>BAKER HUGHES OILFIELD OPERATIONS LLC</b>                                                                |
| 2021345623 | <b>SHANGHAI QUICKTRON INTELLIGENT TECHNOLOGY CO., LTD</b>                                                  |
| 2021347437 | <b>PHILIP MORRIS PRODUCTS S.A.</b>                                                                         |
| 2021347740 | <b>METSO OUTOTEC FINLAND OY</b>                                                                            |
| 2021348267 | <b>FIBER SENSE LIMITED</b>                                                                                 |
| 2021348353 | <b>MEDELA HOLDING AG</b>                                                                                   |
| 2021349324 | <b>ERMIMUM THERAPEUTICS; UNIVERSITÉ PARIS CITÉ; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE</b>           |
| 2021349560 | <b>MEGMILK SNOW BRAND CO., LTD.</b>                                                                        |
| 2021349775 | <b>ENERSCALE GMBH</b>                                                                                      |
| 2021349934 | <b>LSI SOLUTIONS, INC.</b>                                                                                 |
| 2021353490 | <b>WAVETAMER LLC</b>                                                                                       |
| 2021357884 | <b>JAPAN AVIATION ELECTRONICS INDUSTRY, LIMITED; TOKYO INSTITUTE OF TECHNOLOGY</b>                         |
| 2021358140 | <b>NEWSOUTH INNOVATIONS PTY LIMITED; THE UNIVERSITY OF SYDNEY</b>                                          |
| 2021359181 | <b>IP - SMART LTD</b>                                                                                      |
| 2021359309 | <b>KEYCRYPT LABS PTY LTD</b>                                                                               |
| 2021359475 | <b>EVOPOINT BIOSCIENCES CO., LTD.</b>                                                                      |
| 2021359493 | <b>QILU REGOR THERAPEUTICS INC.</b>                                                                        |
| 2021359596 | <b>DOFTEK PTY LTD</b>                                                                                      |
| 2021360412 | <b>DANA-FARBER CANCER INSTITUTE, INC.</b>                                                                  |
| 2021360633 | <b>I-MAB BIOPHARMA CO., LTD.</b>                                                                           |
| 2021361171 | <b>Whoop, Inc.</b>                                                                                         |
| 2021362140 | <b>SAAB AB</b>                                                                                             |
| 2021362763 | <b>GELION TECHNOLOGIES PTY LTD</b>                                                                         |
| 2021363258 | <b>CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE; CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.</b> |
| 2021363606 | <b>UNIVERZA V LJUBLJANI</b>                                                                                |
| 2021363703 | <b>ILDONG PHARMACEUTICAL CO., LTD.</b>                                                                     |

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| 2021363759 | AEROBEL BV                                                                                                                                                   |
| 2021364852 | SK BIOSCIENCE CO., LTD.                                                                                                                                      |
| 2021364948 | HUGO ENTERPRISES, LLC                                                                                                                                        |
| 2021365725 | DOUBLETHREE, LLC                                                                                                                                             |
| 2021366446 | PANOTEC S.R.L.                                                                                                                                               |
| 2021366670 | COLLIER, J.J.                                                                                                                                                |
| 2021367830 | RWE GENERATION NL B.V.                                                                                                                                       |
| 2021367879 | BOREALIS AG                                                                                                                                                  |
| 2021367987 | GIVAUDAN SA                                                                                                                                                  |
| 2021368230 | WEIR MINERALS AUSTRALIA LTD                                                                                                                                  |
| 2021368257 | FALCON AUTOTECH PRIVATE LIMITED                                                                                                                              |
| 2021368759 | ELEMENT BIOSCIENCES, INC.                                                                                                                                    |
| 2021369194 | CCH INCORPORATED                                                                                                                                             |
| 2021369443 | DANMARKS TEKNISKE UNIVERSITET                                                                                                                                |
| 2021369494 | ARSENAL BIOSCIENCES, INC.                                                                                                                                    |
| 2021369503 | AMERICAN STERILIZER COMPANY                                                                                                                                  |
| 2021369560 | PROVENTION BIO, INC.; MACROGENICS, INC.                                                                                                                      |
| 2021369843 | COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION                                                                                                 |
| 2021370920 | LEONARDO UK LTD                                                                                                                                              |
| 2021371088 | PRECISION PLANTING LLC                                                                                                                                       |
| 2021371394 | HITACHI, LTD.                                                                                                                                                |
| 2021371438 | THE UNIVERSITY OF SYDNEY                                                                                                                                     |
| 2021371528 | YUGENKAISHA JAPAN TSUSYO                                                                                                                                     |
| 2021372441 | AXIXE LLC                                                                                                                                                    |
| 2021372975 | FATE THERAPEUTICS, INC.                                                                                                                                      |
| 2021373070 | ALBERT EINSTEIN COLLEGE OF MEDICINE                                                                                                                          |
| 2021373306 | ESTECH A/S                                                                                                                                                   |
| 2021373429 | KAGOSHIMA UNIVERSITY                                                                                                                                         |
| 2021373614 | CAREFUSION 303, INC.                                                                                                                                         |
| 2021375295 | FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.                                                                                         |
| 2021376415 | PRELUDE THERAPEUTICS INCORPORATED                                                                                                                            |
| 2021376811 | BÜHLER AG                                                                                                                                                    |
| 2021377024 | MITSUBISHI SHIPBUILDING CO., LTD.                                                                                                                            |
| 2021377418 | UNIVERSITY OF SOUTH AUSTRALIA                                                                                                                                |
| 2021377491 | ALCON INC.                                                                                                                                                   |
| 2021377717 | HEILALA VANILLA LIMITED                                                                                                                                      |
| 2021378098 | ATELERIX LIMITED                                                                                                                                             |
| 2021378638 | PROJECT FLOCK PTY LTD                                                                                                                                        |
| 2021378639 | Innovaero Holdings Pty Ltd                                                                                                                                   |
| 2021378641 | MASTEROL FOODS PTY. LTD.                                                                                                                                     |
| 2021378815 | AGILENT TECHNOLOGIES, INC.                                                                                                                                   |
| 2021378868 | UNIWEISYTET MEDYCZNY W BIAŁYMSTOKU                                                                                                                           |
| 2021379090 | BIONTECH SE                                                                                                                                                  |
| 2021379311 | 3M INNOVATIVE PROPERTIES COMPANY                                                                                                                             |
| 2021379562 | AUCENTRA THERAPEUTICS PTY LTD                                                                                                                                |
| 2021379882 | SANOFI                                                                                                                                                       |
| 2021380655 | PAYPAL, INC.                                                                                                                                                 |
| 2021380755 | ICOSAVAX, INC.                                                                                                                                               |
| 2021380874 | AXICHEM AB                                                                                                                                                   |
| 2021380980 | BIOSECO SP. Z O.O.                                                                                                                                           |
| 2021381363 | IONIS PHARMACEUTICALS, INC.                                                                                                                                  |
| 2021381706 | INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH                                                                                                           |
| 2021381778 | VIR BIOTECHNOLOGY, INC.; HUMABS BIOMED SA                                                                                                                    |
| 2021381885 | COX AUTOMOTIVE, INC.                                                                                                                                         |
| 2021382306 | CENTRE HOSPITALIER RÉGIONAL ET UNIVERSITAIRE DE BREST; UNIVERSITÉ DE BRETAGNE OCCIDENTALE; INSERM (INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE |
| 2021382645 | MOLY-COP USA LLC                                                                                                                                             |
| 2021382710 | CORTEVA AGRISCIENCE LLC                                                                                                                                      |
| 2021382843 | SPEXIS AG                                                                                                                                                    |
| 2021382976 | INTERNATIONAL BUSINESS MACHINES CORPORATION                                                                                                                  |
| 2021383247 | LINDE GMBH                                                                                                                                                   |
| 2021383635 | ALGORITHMIC BIOLOGICS PRIVATE LIMITED                                                                                                                        |
| 2021383678 | TESLA, INC.                                                                                                                                                  |

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| 2021383892 | CHINA MOBILE COMMUNICATION CO., LTD RE-SEARCH INSTITUTE; CHINA MOBILE COMMUNICATIONS GROUP CO., LTD. |
| 2021384158 | TAIHO PHARMACEUTICAL CO., LTD.                                                                       |
| 2021384828 | SIKA TECHNOLOGY AG                                                                                   |
| 2021385265 | PEPSICO, INC.                                                                                        |
| 2021385425 | SANDHILL ONE, LLC                                                                                    |
| 2021385582 | SONALASENSE, INC.                                                                                    |
| 2021385603 | CLUTTERBOT INC.                                                                                      |
| 2021386339 | SHANGHAI HANSON BIOMEDICAL CO., LTD.; JI-ANGSU HANSON PHARMACEUTICAL GROUP CO., LTD.                 |
| 2021386717 | HITACHI INDUSTRIAL PRODUCTS, LTD.                                                                    |
| 2021387608 | DEKA PRODUCTS LIMITED PARTNERSHIP                                                                    |
| 2021389680 | ENERKEM INC.                                                                                         |
| 2021390715 | PXD LIMITED                                                                                          |
| 2021390798 | EXPRO NORTH SEA LIMITED                                                                              |
| 2021391071 | DAVIES, I.                                                                                           |
| 2021391153 | SHENZHEN CHIPSCREEN BIOSCIENCES CO., LTD.                                                            |
| 2021391314 | ILLUMINA, INC.                                                                                       |
| 2021391801 | CASE WESTERN RESERVE UNIVERSITY                                                                      |
| 2021392609 | VALMONT INDUSTRIES, INC.                                                                             |
| 2021392749 | ACTNANO, INC.                                                                                        |
| 2021393095 | HEXCUIITY LIMITED                                                                                    |
| 2021393374 | REPROBIOGEN INC.                                                                                     |
| 2021393989 | INTERSURGICAL AG                                                                                     |
| 2021394563 | TOKAMAK ENERGY LTD                                                                                   |
| 2021395241 | TARGET DISCOVERY MERGER SUB II, LLC                                                                  |
| 2021395405 | GANYMED ROBOTICS                                                                                     |
| 2021396172 | JANUX THERAPEUTICS, INC.                                                                             |
| 2021396315 | SHOCKWAVE MEDICAL, INC.                                                                              |
| 2021396419 | GENTEX CORPORATION                                                                                   |
| 2021396552 | NORDIC BIOSCIENCE A/S                                                                                |
| 2021397034 | GLOBAL ENERGY CO., LTD.                                                                              |
| 2021397238 | ENUMERA MOLECULAR, INC.                                                                              |
| 2021397247 | PLUTON BIOSCIENCES, INC.                                                                             |
| 2021397292 | SUPERCritical STORAGE COMPANY, INC.                                                                  |
| 2021397659 | FIDELITY INFORMATION SERVICES, LLC                                                                   |
| 2021397737 | TRUSTEES OF TUFTS COLLEGE                                                                            |
| 2021399512 | TOYO SEIKAN CO., LTD.                                                                                |
| 2021399610 | STIEBEL ELTRON GMBH & CO.KG                                                                          |
| 2021401302 | IOVANCE BIOTHERAPEUTICS, INC.                                                                        |
| 2021401461 | FLOWSERVE PTE. LTD.                                                                                  |
| 2021401740 | BNSF RAILWAY COMPANY                                                                                 |
| 2021401768 | HUSQVARNA AB                                                                                         |
| 2021402858 | CATERPILLAR INC.                                                                                     |
| 2021404034 | Desmont, P.                                                                                          |
| 2021404744 | INSTITUTO FINLAY DE VACUNAS; CENTRO DE INMUNOLOGÍA MOLECULAR                                         |
| 2021405062 | GADETA B.V.                                                                                          |
| 2021405412 | APALOO GMBH                                                                                          |
| 2021405822 | CMBLU ENERGY AG                                                                                      |
| 2021409674 | SAMSUNG ELECTRONICS CO., LTD.                                                                        |
| 2021409724 | TOPSOE A/S                                                                                           |
| 2021410768 | REGENERON PHARMACEUTICALS, INC.                                                                      |
| 2021411333 | N2 PACKAGING SYSTEMS, LLC                                                                            |
| 2021413112 | BAXTER INTERNATIONAL INC.; BAXTER HEALTHCARE SA                                                      |
| 2021413748 | LIVEPERSON, INC.                                                                                     |
| 2021415904 | OWENS CORNING INTELLECTUAL CAPITAL, LLC                                                              |
| 2021415963 | PALATOV GROUP LLC                                                                                    |
| 2021416293 | TURUN YLIOPISTO                                                                                      |
| 2021417405 | SOCIÉTÉ DES PRODUITS NESTLÉ S.A.                                                                     |
| 2021419066 | LENOVO (BEIJING) LIMITED                                                                             |
| 2021441047 | CHIYODA CORPORATION                                                                                  |
| 2021441781 | QINGDAO UNIVERSITY OF TECHNOLOGY                                                                     |
| 2021444096 | DATE, D.                                                                                             |
| 2022204517 | YALACKI, D.L.                                                                                        |
| 2022207103 | LORIA PHARMACEUTICAL, LLC                                                                            |
| 2022208241 | REDX PHARMA PLC                                                                                      |

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| 2022208421 | TOPSOE A/S                                                                                   |
| 2022209123 | GALVENTA AG                                                                                  |
| 2022212761 | COOPERVISION INTERNATIONAL LIMITED                                                           |
| 2022214501 | CUROGEN TECHNOLOGY CO., LTD.; RESEARCH<br># BUSINESS FOUNDATION SUNGKYUNKWAN UNI-<br>VERSITY |
| 2022248345 | CHINT LOW VOLTAGE ELECTRICAL TECHNOLOGY<br>CO., LTD.                                         |
| 2022318420 | JIO PLATFORMS LIMITED                                                                        |
| 2022338171 | VISA INTERNATIONAL SERVICE ASSOCIATION                                                       |