



**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).

<p><b>NOTE:</b> When ordering any patent document from us, whether accepted or not, please quote the application/patent number preceded by the appropriate prefix.</p>
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## Arrangement of Information in the Journal

For each of the categories

(i) Provisional Applications Filed, (ii)

Complete Applications Filed, (iii)

Applications Open to Public Inspection

(iv) Applications Accepted, and (v)

Innovation Patent Certified.

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

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

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

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

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

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

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

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

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



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

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

The following Numerical Indices are available:

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

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

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

The indices to use are

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

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

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

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

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

#### (10) Document identification

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

#### (20) Document filing data

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

#### (30) Priority data

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

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

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

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

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

**(50) Technical Information**

(51) International Patent Classification

(52) Domestic or national classification

(54) Title of invention

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

(57) Abstract or claim

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

(60) Related by cognate(s).

(61) Related by addition(s).

(62) Related by division(s).

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

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

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

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

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

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

(86) PCT Application Number

(87) PCT Publication Number

**NOTE**

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

**AU-A** = Pre-examination

**AU-B** = Post-examination

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

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

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

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

Proceedings under the Patents Act 1990

**Provisional Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 14 Nov 2023 .

(71) Aerion Technologies Pty Ltd. (21) 2023903680 (22) 15.11.2023 (54) HETEROCHRONOUS INNOVATION SYSTEM AND METHOD THEREOF	(71) BLUEGREEN POWER TECHNOLOGIES PTY. LTD. (21) 2023903674 (22) 15.11.2023 (54) AN IMBALANCED WHEEL APPARATUS AND AN IMBALANCED WHEEL ARRANGEMENT	(71) Centenary Institute of Cancer Medicine and Cell Biology (21) 2023903693 (22) 16.11.2023 (54) IMPROVEMENT OF BLOOD BRAIN BARRIER INTEGRITY
(71) Akunah Medical Technology Pty Ltd (21) 2023903754 (22) 22.11.2023 (54) METHOD AND SYSTEM FOR DETERMINING OPTIMAL POSITION FOR AN IMPLANT	(71) BLUEGREEN POWER TECHNOLOGIES PTY. LTD. (21) 2023903675 (22) 15.11.2023 (54) AN IMPROVED RENEWABLE ELECTRICAL POWER GENERATOR ARRANGEMENT AND A METHOD OF PRODUCING ELECTRICAL POWER GENERATION FROM SAID GENERATOR ARRANGEMENT	Clark, J. see Lifehouse Australia (21) 2023903710
(71) ALLEN HOUSE MIRROR & GLASS PTY LIMITED (21) 2023903684 (22) 16.11.2023 (54) A Shower Recess and Kit	(71) Boatang (21) 2023903714 (22) 18.11.2023 (54) Removable Boat Enclosure	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2023903728 (22) 20.11.2023 (54) METHOD AND SYSTEM FOR 3D SCANNING OF SPECIMENS
(71) Anderson, M. (21) 2023903683 (22) 15.11.2023 (54) Air-stroke hybrid combustion/air powered engine	(71) Bou Ayache, K. (21) 2023903738 (22) 21.11.2023 (54) Distributed Digital Twin	(71) Contoleon, G. (21) 2023903734 (22) 17.11.2023 (54) Cattle manure processing to recover by liquid chromatography valuable substances
(71) Arakel, A.; Pact Renewables Pty Ltd (21) 2023903682 (22) 15.11.2023 (54) Treatment system for upcycling solid residues and methods for using the same	(71) Builtfast Pty Ltd (21) 2023903712 (22) 17.11.2023 (54) Sub-Floor Stump	(71) Coulson, L. (21) 2023903686 (22) 16.11.2023 (54) Apparatus for arm securement during surgery
(71) Arakel, A.; Pact Renewables Pty Ltd (21) 2023903732 (22) 20.11.2023 (54) Treatment system for PFAS contaminated solids and methods for on-site landfilling of treated solids	(71) Builtfast Pty Ltd (21) 2023903713 (22) 17.11.2023 (54) Beam Arrangement	(71) CSR Building Products Limited (21) 2023903696 (22) 16.11.2023 (54) BUSHFIRE VENTILATOR
(71) Biofactus Pty Ltd (21) 2023903670 (22) 15.11.2023 (54) Topical formulation and uses thereof	(71) Burgess, S. (21) 2023903704 (22) 17.11.2023 (54) Parabolic Soccer Wall Training Device	(71) CSR Building Products Limited (21) 2023903697 (22) 16.11.2023 (54) VENTILATOR EMBER GUARD
(71) Bisalloy Steels Pty Limited (21) 2023903685 (22) 16.11.2023 (54) WEAR SENSOR	(71) Calligeros, G. (21) 2023903735 (22) 21.11.2023 (54) Pool Wickets	(71) Daintree Property Holdings Pty Ltd (21) 2023903705 (22) 17.11.2023 (54) Flat-pack kit for constructing a building structure and associated method of manufacture

Provisional Applications Filed - Name Index cont'd

(71) DataJPS Pty Ltd  
(21) 2023903653 (22) 14.11.2023  
(54) Method and device for analysing structured data

**de Castro, I. see McNicoll, C.**  
(21) 2023903699

(71) De Silva, K.; Lea, J.; Erstich, E.  
(21) 2023903698 (22) 17.11.2023  
(54) Product and process

(71) Dunne, S.  
(21) 2023903691 (22) 16.11.2023  
(54) An electrical cable shorting clamp

**Erstich, E. see De Silva, K.**  
(21) 2023903698

(71) Ganbry Innovations Pty Ltd  
(21) 2023903737 (22) 21.11.2023  
(54) Bucket

(71) Global AMS Pty Ltd  
(21) 2023903694 (22) 16.11.2023  
(54) FOLDING MECHANISM

(71) Globaltech Corporation Pty Ltd  
(21) 2023903751 (22) 21.11.2023  
(54) SYSTEMS AND METHODS OF DRILL TOOL DETECTION AND ASSESSMENT

(71) Gold Honesty Pty Ltd  
(21) 2023903676 (22) 15.11.2023  
(54) Ground loading trailer

(71) goss, a.  
(21) 2023903717 (22) 18.11.2023  
(54) Method to create jigsaw-like puzzles with completely defined solutions.

(71) Graham, T.  
(21) 2023903749 (22) 21.11.2023  
(54) Handle for a recreational board

(71) Greenlands Distributors Pty Ltd  
(21) 2023903745 (22) 21.11.2023  
(54) A Bin and a Bin Lid

(71) Hendry, C.  
(21) 2023903688 (22) 16.11.2023  
(54) multi coil device

(71) Henry Johnson Pty Ltd  
(21) 2023903677 (22) 15.11.2023  
(54) IMPROVED KNIFE

**Howes, D. see Lifehouse Australia**  
(21) 2023903710

(71) Image Resources NL  
(21) 2023903736 (22) 21.11.2023  
(54) Production of synthetic rutile from titanium-ferrous feedstocks

(71) Imtrade Australia Pty Ltd  
(21) 2023903711 (22) 17.11.2023  
(54) Formulations

(71) Imtrade Australia Pty Ltd  
(21) 2023903748 (22) 21.11.2023  
(54) Pesticide formulation comprising captan and means to monitor the stability thereof

(71) In Charge Cases Pty Ltd  
(21) 2023903752 (22) 21.11.2023  
(54) A HOUSING ASSEMBLY AND METHOD OF USE THEREOF

(71) Islam, S.  
(21) 2023903744 (22) 21.11.2023  
(54) Proactive Anti-Scam Software for Scam Detection and Prevention in Telephonic Scams and Social Engineering Attacks

(71) Iveson, R.  
(21) 2023903721 (22) 19.11.2023  
(54) Fan Jacket

**Jackson, S. see Jackson, C.**  
(21) 2023903702

**Jackson, L. see Jackson, C.**  
(21) 2023903702

(71) Jackson, C.; Jackson, S.; Jackson, L.  
(21) 2023903702 (22) 17.11.2023  
(54) A Hoarding System

(71) KDH Advanced Research Pty Ltd  
(21) 2023903679 (22) 15.11.2023  
(54) Display-Combiner for Augmented Reality and Methods Thereof

(71) Khodabandehloo, K.  
(21) 2023903726 (22) 20.11.2023  
(54) Trimming assembly and method of use

(71) Kinosis Therapeutics Pty Ltd  
(21) 2023903678 (22) 15.11.2023  
(54) Ureido oxytocin receptor agonists

(71) Lam, T.T.  
(21) 2023903719 (22) 19.11.2023  
(54) WHEEL LIKE STRUCTURE FOR WAVE ENERGY SYSTEM

(71) larkin, b.  
(21) 2023903741 (22) 21.11.2023  
(54) Sticky D Glow Sticks

(71) larkin, b.  
(21) 2023903742 (22) 21.11.2023  
(54) Polycarbonate lure with glow stick and rattles

(71) larkin, b.  
(21) 2023903743 (22) 21.11.2023  
(54) GEL FILLED ARCH SUPPORT FOR FOOTWEAR

(71) Laronix Pty Ltd  
(21) 2023903687 (22) 16.11.2023  
(54) Artificial Voice Generation System

**Lea, J. see De Silva, K.**  
(21) 2023903698

**Leinkram, D. see Lifehouse Australia**  
(21) 2023903710

(71) Li, T.  
(21) 2023903707 (22) 17.11.2023  
(54) Fuel Efficiency System

(71) Lifehouse Australia; Leinkram, D.; Howes, D.; Clark, J.  
(21) 2023903710 (22) 17.11.2023  
(54) Implants for teeth and bone

(71) Macquarie University  
(21) 2023903662 (22) 14.11.2023  
(54) PEST MANAGEMENT

(71) Macquarie University  
(21) 2023903730 (22) 20.11.2023  
(54) TRANSGENIC INSECTS AND PREPARATIONS THEREOF

(71) Macquarie University  
(21) 2023903731 (22) 20.11.2023  
(54) TRANSGENIC INSECTS AND PREPARATIONS THEREOF

**Mascull, E. see Mascull, R.**  
(21) 2023903727

Provisional Applications Filed - Name Index cont'd

(71) Mascull, R.; Mascull, E.  
(21) 2023903727 (22) 20.11.2023  
(54) DYNAMIC PRESCRIPTION OF INDIVIDUALISED POSTURAL EQUIPMENT

(71) McIntosh Brothers Engineers Ltd  
(21) 2023903709 (22) 17.11.2023  
(54) FEED-OUT ATTACHMENT FOR AN AGRICULTURAL VEHICLE

(71) McNicoll, C.; O'Sullivan, M.; de Castro, I.  
(21) 2023903699 (22) 17.11.2023  
(54) PROCESS AND SYSTEM

(71) Mechtech MTT Pty Ltd  
(21) 2023903755 (22) 22.11.2023  
(54) Personnel lifting device

(71) Meurer, J.  
(21) 2023903718 (22) 18.11.2023  
(54) Topiks

(71) MinEx CRC Ltd  
(21) 2023903753 (22) 22.11.2023  
(54) Electromagnetic surveying method and device

(71) Mining and Process Solutions Pty Ltd  
(21) 2023903681 (22) 15.11.2023  
(54) PROCESS FOR PRODUCING A CONCENTRATE

(71) MORSE MICRO PTY. LTD.  
(21) 2023903659 (22) 14.11.2023  
(54) Method and Devices of File distribution in Wireless Networks

(71) Nebula  
(21) 2023903739 (22) 21.11.2023  
(54) Smart Contract-Enhanced Remote Work Platform with Integrated Monitoring Tools

(71) NewSouth Innovations Pty Limited  
(21) 2023903650 (22) 14.11.2023  
(54) Catalytic degradation of peroxide-based explosives

(71) Nord-Lock Switzerland GmbH  
(21) 2023903747 (22) 21.11.2023  
(54) Rotatable Socket

O'Sullivan, M. see McNicoll, C.  
(21) 2023903699

(71) OVER THE LINE PTY LTD  
(21) 2023903716 (22) 18.11.2023  
(54) ARTICLE HOLDING ASSEMBLY

Pact Renewables Pty Ltd see Arakel, A.  
(21) 2023903682

Pact Renewables Pty Ltd see Arakel, A.  
(21) 2023903732

(71) Pritchard, C.  
(21) 2023903722 (22) 19.11.2023  
(54) DIGGLE A DEEP FRIED CHOCOLATE TWIRL WITH DRIZZLE ON TOP WOULD YOU LIKE DRIZZLE ON YOUR DIGGLE

(71) Property Console  
(21) 2023903673 (22) 15.11.2023  
(54) GHG insights into Climate Change.

(71) Queensland University of Technology  
(21) 2023903703 (22) 17.11.2023  
(54) Modified grass pollen allergens

(71) Robovoid Pty Ltd  
(21) 2023903729 (22) 20.11.2023  
(54) SPRING FOR MATTRESSES

(71) Shaw, L.  
(21) 2023903750 (22) 21.11.2023  
(54) RACER BACK BRA STRAP CONVERTER CLIPS

(71) Signature Orthopaedics Europe Ltd.  
(21) 2023903671 (22) 15.11.2023  
(54) An automated orthopaedic impactor

(71) Smith, E.  
(21) 2023903720 (22) 19.11.2023  
(54) Aboriginal Symbol Stencil

(71) Southern Green Gas Limited  
(21) 2023903669 (22) 15.11.2023  
(54) Method of Modifying a Zirconium-based Metal Organic Framework

(71) Spark, I.  
(21) 2023903733 (22) 20.11.2023  
(54) Improved Articulated Vehicle

(71) Sprout Organic  
(21) 2023903692 (22) 16.11.2023  
(54) Process for developing a plant based infant formula

(71) Stocks, M.  
(21) 2023903695 (22) 16.11.2023  
(54) A system, method, computer program and data signal for optimising the multiplication of large numerals.

(71) Stylianou, C.  
(21) 2023903715 (22) 18.11.2023  
(54) Custom engraved brag mats / fish measures

(71) Technological Resources Pty Ltd  
(21) 2023903690 (22) 16.11.2023  
(54) ORE PROCESS CONTROL SYSTEM

(71) Thermaguard Pty Ltd  
(21) 2023903689 (22) 16.11.2023  
(54) A Radiant Heatshield

(71) The University of Melbourne  
(21) 2023903667 (22) 15.11.2023  
(54) Diamond surface processing

(71) The University of Melbourne  
(21) 2023903746 (22) 21.11.2023  
(54) Systems, methods and devices for monitoring gait

(71) The University of Queensland  
(21) 2023903657 (22) 14.11.2023  
(54) Method for detecting capped RNA molecules

(71) The University of Queensland  
(21) 2023903665 (22) 14.11.2023  
(54) Polymer electrolyte for a flexible battery

(71) The University of Sydney  
(21) 2023903706 (22) 17.11.2023  
(54) A clip for holding a microfluidic device

(71) The University of Sydney  
(21) 2023903723 (22) 20.11.2023  
(54) TSPO ligands

(71) TITAN DESIGN & ENGINEERING PTY LTD  
(21) 2023903708 (22) 17.11.2023  
(54) Transfer case

(71) Trajan Scientific Australia Pty Ltd  
(21) 2023903701 (22) 17.11.2023  
(54) Sample introduction for chromatographic analysis

(71) Turner, L.  
(21) 2023903724 (22) 20.11.2023  
(54) A spoon engaging lid

Provisional Applications Filed - Name Index cont'd

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(71) Vow Group Pty Ltd  
(21) 2023903668 (22) 15.11.2023  
(54) Comestible compositions

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(71) Woodmore, R.  
(21) 2023903740 (22) 21.11.2023  
(54) WEEDING, WATERING & TRANS-  
PLANTING TOOL

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(71) Your Season Pty Ltd  
(21) 2023903700 (22) 17.11.2023  
(54) METHOD AND SYSTEM OF COLOUR  
MATCHING

Numerical Index

<b>2023903650</b>	NewSouth Innovations Pty Limited	<b>2023903730</b>	Macquarie University
<b>2023903653</b>	DataJPS Pty Ltd	<b>2023903731</b>	Macquarie University
<b>2023903657</b>	The University of Queensland	<b>2023903732</b>	Arakel, A.; Pact Renewables Pty Ltd
<b>2023903659</b>	MORSE MICRO PTY. LTD.	<b>2023903733</b>	Spark, I.
<b>2023903662</b>	Macquarie University	<b>2023903734</b>	Contoleon, G.
<b>2023903665</b>	The University of Queensland	<b>2023903735</b>	Calligeros, G.
<b>2023903667</b>	The University of Melbourne	<b>2023903736</b>	Image Resources NL
<b>2023903668</b>	Vow Group Pty Ltd	<b>2023903737</b>	Ganbry Innovations Pty Ltd
<b>2023903669</b>	Southern Green Gas Limited	<b>2023903738</b>	Bou Ayache, K.
<b>2023903670</b>	Biofactus Pty Ltd	<b>2023903739</b>	Nebula
<b>2023903671</b>	Signature Orthopaedics Europe Ltd.	<b>2023903740</b>	Woodmore, R.
<b>2023903673</b>	Property Console	<b>2023903741</b>	larkin, b.
<b>2023903674</b>	BLUEGREEN POWER TECHNOLOGIES PTY. LTD.	<b>2023903742</b>	larkin, b.
<b>2023903675</b>	BLUEGREEN POWER TECHNOLOGIES PTY. LTD.	<b>2023903743</b>	larkin, b.
<b>2023903676</b>	Gold Honesty Pty Ltd	<b>2023903744</b>	Islam, S.
<b>2023903677</b>	Henry Johnson Pty Ltd	<b>2023903745</b>	Greenlands Distributors Pty Ltd
<b>2023903678</b>	Kinoxis Therapeutics Pty Ltd	<b>2023903746</b>	The University of Melbourne
<b>2023903679</b>	KDH Advanced Research Pty Ltd	<b>2023903747</b>	Nord-Lock Switzerland GmbH
<b>2023903680</b>	Aerion Technologies Pty Ltd.	<b>2023903748</b>	Imtrade Australia Pty Ltd
<b>2023903681</b>	Mining and Process Solutions Pty Ltd	<b>2023903749</b>	Graham, T.
<b>2023903682</b>	Arakel, A.; Pact Renewables Pty Ltd	<b>2023903750</b>	Shaw, L.
<b>2023903683</b>	Anderson, M.	<b>2023903751</b>	Globaltech Corporation Pty Ltd
<b>2023903684</b>	ALLEN HOUSE MIRROR & GLASS PTY LIMITED	<b>2023903752</b>	In Charge Cases Pty Ltd
<b>2023903685</b>	Bisalloy Steels Pty Limited	<b>2023903753</b>	MinEx CRC Ltd
<b>2023903686</b>	Coulson, L.	<b>2023903754</b>	Akunah Medical Technology Pty Ltd
<b>2023903687</b>	Laronix Pty Ltd	<b>2023903755</b>	Mechtech MTT Pty Ltd
<b>2023903688</b>	Hendry, C.		
<b>2023903689</b>	Thermaguard Pty Ltd		
<b>2023903690</b>	Technological Resources Pty Ltd		
<b>2023903691</b>	Dunne, S.		
<b>2023903692</b>	Sprout Organic		
<b>2023903693</b>	Centenary Institute of Cancer Medicine and Cell Biology		
<b>2023903694</b>	Global AMS Pty Ltd		
<b>2023903695</b>	Stocks, M.		
<b>2023903696</b>	CSR Building Products Limited		
<b>2023903697</b>	CSR Building Products Limited		
<b>2023903698</b>	De Silva, K.; Lea, J.; Erstich, E.		
<b>2023903699</b>	McNicoll, C.; O'Sullivan, M.; de Castro, I.		
<b>2023903700</b>	Your Season Pty Ltd		
<b>2023903701</b>	Trajan Scientific Australia Pty Ltd		
<b>2023903702</b>	Jackson, C.; Jackson, S.; Jackson, L.		
<b>2023903703</b>	Queensland University of Technology		
<b>2023903704</b>	Burgess, S.		
<b>2023903705</b>	Daintree Property Holdings Pty Ltd		
<b>2023903706</b>	The University of Sydney		
<b>2023903707</b>	Li, T.		
<b>2023903708</b>	TITAN DESIGN & ENGINEERING PTY LTD		
<b>2023903709</b>	Mcintosh Brothers Engineers Ltd		
<b>2023903710</b>	Lifehouse Australia; Leinkram, D.; Howes, D.; Clark, J.		
<b>2023903711</b>	Imtrade Australia Pty Ltd		
<b>2023903712</b>	Builtfast Pty Ltd		
<b>2023903713</b>	Builtfast Pty Ltd		
<b>2023903714</b>	Boatang		
<b>2023903715</b>	Stylianou, C.		
<b>2023903716</b>	OVER THE LINE PTY LTD		
<b>2023903717</b>	goss, a.		
<b>2023903718</b>	Meurer, J.		
<b>2023903719</b>	Lam, T.T.		
<b>2023903720</b>	Smith, E.		
<b>2023903721</b>	Iveson, R.		
<b>2023903722</b>	Pritchard, C.		
<b>2023903723</b>	The University of Sydney		
<b>2023903724</b>	Turner, L.		
<b>2023903726</b>	Khodabandehloo, K.		
<b>2023903727</b>	Mascull, R.; Mascull, E.		
<b>2023903728</b>	Commonwealth Scientific and Industrial Research Organisation		
<b>2023903729</b>	Robovoid Pty Ltd		

**Complete Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 14 Nov 2023 .

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

<hr/> <p>(71) Abbott Diabetes Care Inc. (21) 2023266371 (22) 17.11.2023 (54) System, device and method of dynamic glucose profile response to physiological parameters</p> <hr/> <p>(71) ABUS August Bremicker Söhne KG (21) 2023270186 (22) 20.11.2023 (54) MODULAR HELMET SYSTEM</p> <hr/> <p>(71) Acoustic Data Limited (21) 2023266303 (22) 15.11.2023 (54) Gauge hanger</p> <hr/> <p>(71) ACTIV'INSIDE (21) 2023270181 (22) 20.11.2023 (54) Plant extract highly concentrated in safranal, production method and uses thereof</p> <hr/> <p>(71) Adobe Inc. (21) 2023270203 (22) 21.11.2023 (54) DETECTING OBJECT RELATIONSHIPS AND EDITING DIGITAL IMAGES BASED ON THE OBJECT RELATIONSHIPS</p> <hr/> <p>(71) Adobe Inc. (21) 2023270204 (22) 21.11.2023 (54) DETECTING AND MODIFYING OBJECT ATTRIBUTES</p> <hr/> <p>(71) Adobe Inc. (21) 2023270205 (22) 21.11.2023 (54) DILATING OBJECT MASKS TO REDUCE ARTIFACTS DURING INPAINTING</p> <hr/> <p>(71) Adobe Inc. (21) 2023270207 (22) 21.11.2023 (54) MODIFYING DIGITAL IMAGES VIA SCENE-BASED EDITING USING IMAGE UNDERSTANDING FACILITATED BY ARTIFICIAL INTELLIGENCE</p> <hr/> <p>(71) Adobe Inc. (21) 2023270212 (22) 21.11.2023 (54) GENERATING IMAGES USING TRANSFER LEARNING</p> <hr/>	<p>(71) Adobe Inc. (21) 2023270218 (22) 21.11.2023 (54) VISUALIZING VECTOR GRAPHICS IN THREE-DIMENSIONAL SCENES</p> <hr/> <p>(71) ADOC SSF, LLC (21) 2023266338 (22) 16.11.2023 (54) PEPTIDE-MHC COMPLEXES</p> <hr/> <p>(71) Advanced Animal Diagnostics, Inc. (21) 2023270236 (22) 21.11.2023 (54) Methods and compositions for reducing antibiotic administration to farm animals</p> <hr/> <p>(71) Air Products and Chemicals, Inc. (21) 2023266324 (22) 16.11.2023 (54) Process and Apparatus for Cracking Ammonia</p> <hr/> <p>(71) Air Products and Chemicals, Inc. (21) 2023266326 (22) 16.11.2023 (54) Process and Apparatus for Cracking Ammonia</p> <hr/> <p>(71) Air Products and Chemicals, Inc. (21) 2023266328 (22) 16.11.2023 (54) Process and Apparatus for Cracking Ammonia</p> <hr/> <p>(71) Alarm.Com Incorporated (21) 2023270262 (22) 22.11.2023 (54) DOORBELL CALL CENTER</p> <hr/> <p>(71) Alcon Inc. (21) 2023266347 (22) 16.11.2023 (54) 3D PRINTING OF AN INTRAOCULAR LENS HAVING SMOOTH, CURVED SURFACES</p> <hr/> <p>(71) ALIZEM INC. (21) 2023270185 (22) 20.11.2023 (54) Swimming pacing system</p> <hr/> <p>(71) Alnylam Pharmaceuticals, Inc. (21) 2023266339 (22) 16.11.2023 (54) Ketoheokinase (KHK) iRNA compositions and methods of use thereof</p> <hr/> <p><b>Alnylam Pharmaceuticals, Inc. see ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI</b> (21) 2023266354</p>	<hr/> <p>(71) Alphala Co., Ltd. (21) 2023266374 (22) 17.11.2023 (54) PROCESSES FOR PRODUCING AMIDE COMPOUNDS, AND THEIR CRYSTALLINE AND SALT FORM</p> <hr/> <p>(71) Amin, A.; Davies, S. (21) 2023266393 (22) 18.11.2023 (54) EFFERVESCENT PROTEIN AND DIETARY SUPPLEMENTS FOR HUMANS</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2023266386 (22) 17.11.2023 (54) Game token money, method of manufacturing game token money, and inspection system</p> <hr/> <p>(71) Anric Developments Pty Limited (21) 2023270249 (22) 21.11.2023 (54) Hi-rail apparatus</p> <hr/> <p>(71) Apple Inc. (21) 2023266353 (22) 16.11.2023 (54) User interfaces for audio media control</p> <hr/> <p>(71) Apple Inc. (21) 2023266356 (22) 16.11.2023 (54) User interfaces for managing audio exposure</p> <hr/> <p>(71) Apple Inc. (21) 2023266370 (22) 17.11.2023 (54) System for and method of authenticating a component of an electronic device</p> <hr/> <p>(71) Apple Inc. (21) 2023266375 (22) 17.11.2023 (54) Voice coil motor optical image stabilization</p> <hr/> <p>(71) Apple Inc. (21) 2023270188 (22) 20.11.2023 (54) User interfaces for customizing graphical objects</p> <hr/> <p>(71) ARCTIC WOLF NETWORKS, INC. (21) 2023266343 (22) 16.11.2023 (54) MATERIAL HANDLING TOOL AND ASSOCIATED METHODS OF USE</p>
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Complete Applications Filed - Name Index cont'd

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(71) Aristocrat Technologies, Inc.  
 (21) 2023266330 (22) 16.11.2023  
 (54) ELECTRONIC GAMING MACHINE WITH MULTI-STACKED TRANSPARENT DISPLAY PANELS

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(71) Aristocrat Technologies, Inc.  
 (21) 2023266331 (22) 16.11.2023  
 (54) SYSTEMS AND METHODS FOR OVERLAYING GAME INFORMATION

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(71) Aristocrat Technologies, Inc.  
 (21) 2023266332 (22) 16.11.2023  
 (54) MULTI-FORM GAME PLATFORM FOR ONLINE AND SOCIAL GAMING

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(71) Aristocrat Technologies Australia Pty Limited  
 (21) 2023266315 (22) 15.11.2023  
 (54) SYSTEMS AND METHODS FOR PLAYING AN ELECTRONIC GAME INCLUDING A PATH BASED BONUS GAME

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(71) Aristocrat Technologies Australia Pty Limited  
 (21) 2023266381 (22) 17.11.2023  
 (54) SYSTEMS AND METHODS FOR PLAYING AN ELECTRONIC GAME INCLUDING A WHEEL BASED BONUS GAME

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(71) Aristocrat Technologies Australia Pty Limited  
 (21) 2023266390 (22) 17.11.2023  
 (54) SYSTEMS AND METHODS FOR PLAYING AN ELECTRONIC BONUS GAME

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(71) Aristocrat Technologies Australia Pty Limited  
 (21) 2023270250 (22) 21.11.2023  
 (54) AN ELECTRONIC METHOD OF GAMING, AN ELECTRONIC GAMING SYSTEM AND A GAME CONTROLLER

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(71) ASSIA SPE, LLC  
 (21) 2023266316 (22) 15.11.2023  
 (54) SYSTEMS AND METHODS FOR COMBINED MANAGEMENT WITH USER PREFERENCES OF WI-FI AND CELLULAR DATA

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(71) Atrium Medical Corporation  
 (21) 2023266313 (22) 15.11.2023  
 (54) GRAFT WITH EXPANDABLE REGION AND METHODS OF MAKING AND USING THE SAME

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(71) Aulos Bioscience, Inc  
 (21) 2023266270 (22) 14.11.2023  
 (54) ENGINEERED ANTI-IL-2 ANTIBODIES

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(71) AUSFAB INNOVATION PTY LTD  
 (21) 2023270225 (22) 21.11.2023  
 (54) MOTORCYCLE OR TWO WHEELED VEHICLE CARRIER

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(71) Avery Dennison Retail Information Services LLC  
 (21) 2023270214 (22) 21.11.2023  
 (54) FOOD TRACEABILITY SYSTEM AND METHOD

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(71) BASF Plant Science Company GmbH  
 (21) 2023266379 (22) 17.11.2023  
 (54) Gene expression or activity enhancing elements

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(71) Beijing Tusen Zhitu Technology Co., Ltd.  
 (21) 2023270253 (22) 22.11.2023  
 (54) Vehicle power supply control system and method, device, and storage medium

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(71) Bellicum Pharmaceuticals, Inc.  
 (21) 2023270193 (22) 20.11.2023  
 (54) Methods for activating T cells using an inducible chimeric polypeptide

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(71) BGI Genomics Co., Ltd; BGI Health (HK) Company Limited  
 (21) 2023266239 (22) 13.11.2023  
 (54) Method for processing gene sequencing data and apparatus for processing gene sequencing data

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**BGI Health (HK) Company Limited see BGI Genomics Co., Ltd**  
 (21) 2023266239

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(71) Biohaven Therapeutics Ltd.  
 (21) 2023266373 (22) 17.11.2023  
 (54) KV7 CHANNEL ACTIVATORS COMPOSITIONS AND METHODS OF USE

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(71) Block, Inc.  
 (21) 2023270227 (22) 21.11.2023  
 (54) Multi-device point-of-sale system having multiple customer-facing devices

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(71) BNSF Railway Company  
 (21) 2023266301 (22) 15.11.2023  
 (54) Systems and methods for locating objects

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(71) BNX Research  
 (21) 2023270206 (22) 21.11.2023

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(54) Nutritional composition targeting increases in SIRT1 protein, AMPK enzyme, NAD+ levels to reduce BMI in obese individuals.

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(71) Board of Regents, The University of Texas System  
 (21) 2023266384 (22) 17.11.2023  
 (54) Compounds with anti-tumor activity against cancer cells bearing EGFR or HER2 exon 20 mutations

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(71) Boehringer Ingelheim Vetmedica GmbH  
 (21) 2023266287 (22) 15.11.2023  
 (54) Treatment of metabolic disorders in equine animals

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(71) Breathe Fresh Australia Pty Ltd  
 (21) 2023266273 (22) 14.11.2023  
 (54) CONTAINER FOR DISPENSING SHEET MATERIAL

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**Cambridge Mobile Telematics see Discovery Limited**  
 (21) 2023270190

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(71) Canon Kabushiki Kaisha  
 (21) 2023266346 (22) 16.11.2023  
 (54) Drum unit, drive transmission unit, cartridge and electrophotographic image forming apparatus

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(71) Capital One Services, LLC  
 (21) 2023266293 (22) 15.11.2023  
 (54) Techniques to perform applet programming

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(71) Capital One Services, LLC  
 (21) 2023266302 (22) 15.11.2023  
 (54) One-tap payment using a contactless card

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(71) Centogene IP GmbH  
 (21) 2023270246 (22) 21.11.2023  
 (54) METHOD FOR THE DIAGNOSIS OF CYSTIC FIBROSIS

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(71) Chester Brown Industries Pty Ltd  
 (21) 2023270226 (22) 21.11.2023  
 (54) Extractor

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(71) Chugai Seiyaku Kabushiki Kaisha  
 (21) 2023266341 (22) 16.11.2023  
 (54) Cell injury inducing therapeutic drug for use in cancer therapy

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(71) City of Hope  
 (21) 2023270200 (22) 20.11.2023  
 (54) CHIMERIC POXVIRUS COMPOSITIONS AND USES THEREOF

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Complete Applications Filed - Name Index cont'd

(71) Covidien LP  
(21) 2023270230 (22) 21.11.2023  
(54) Handheld electromechanical surgical system

(71) Crystal World Holdings, Inc.  
(21) 2023270263 (22) 22.11.2023  
(54) Sports-based financial instrument development and trading systems and methods

(71) CURVEBEAM AI LIMITED  
(21) 2023270223 (22) 21.11.2023  
(54) Image Analysis Method and System

(71) Cycleron Therapeutics, Inc.  
(21) 2023270260 (22) 22.11.2023  
(54) Novel processes and intermediates for the preparation of soluble guanylate cyclase stimulators

(71) Dacey, C.  
(21) 2023266340 (22) 16.11.2023  
(54) The Nest Bed. A bed base that can be reconfigured as required to suit all bed sizes, including single, king single, double, queen & king, using 19 interlocking pieces & secured with 6 to 12 screws.

**Davies, S. see Amin, A.**  
(21) 2023266393

(71) Davol Inc.  
(21) 2023266298 (22) 15.11.2023  
(54) SURGICAL INSTRUMENT WITH FASTENER PRELOAD LOCK-OUT

(71) de Geeter, P.J.  
(21) 2023266385 (22) 17.11.2023  
(54) Wave Energy Capture for Electricity Generation

(71) Delft Advanced Biofuels B.V.  
(21) 2023266282 (22) 15.11.2023  
(54) INTEGRATED SYSTEM FOR BIOCATALYTICALLY PRODUCING AND RECOVERING AN ORGANIC SUBSTANCE

(71) Discovery Limited; Cambridge Mobile Telematics  
(21) 2023270190 (22) 20.11.2023  
(54) A tracking and theft-recovery system for mobile assets

(71) Dolby International AB  
(21) 2023266360 (22) 16.11.2023

(54) Backward-compatible integration of harmonic transposer for high frequency reconstruction of audio signals

**DSM IP Assets B.V. see Kaleido Biosciences, Inc.**  
(21) 2023266348

(71) Dyer, G.  
(21) 2023270196 (22) 20.11.2023  
(54) Method of Arthropod Egress

(71) Editas Medicine, Inc.  
(21) 2023266284 (22) 15.11.2023  
(54) CRISPR/Cpf1-related methods, compositions and components for cancer immunotherapy

(71) E Ink Corporation  
(21) 2023266322 (22) 16.11.2023  
(54) METHOD AND APPARATUS FOR RENDERING COLOR IMAGES

(71) ELC Management LLC  
(21) 2023266376 (22) 17.11.2023  
(54) METHOD AND APPARATUS FOR COSMETIC PRODUCT RECOMMENDATION

(71) Enduro Motorcycle Products Pty Ltd  
(21) 2023266271 (22) 14.11.2023  
(54) A MOTORCYCLE RECOVERY STRAP

(71) ENERTECHNOS LIMITED  
(21) 2023270213 (22) 21.11.2023  
(54) Electrical power transmission

(71) Ferco Seating Systems (M) Sdn. Bhd.  
(21) 2023266389 (22) 17.11.2023  
(54) A chair comprising a debris receptacle

(71) Fisher & Paykel Healthcare limited  
(21) 2023270182 (22) 20.11.2023  
(54) PATIENT INTERFACE AND HEADGEAR FOR A RESPIRATORY APPARATUS

(71) Fives Intralogistics S.p.A.  
(21) 2023266333 (22) 16.11.2023  
(54) System for recognising unstable objects

**Fred Hutchinson Cancer Center see Seattle Children's Hospital d/b/a Seattle Children's Research Institute**  
(21) 2023266352

(71) Garavito Pardo, M.  
(21) 2023270266 (22) 22.11.2023  
(54) Stackable Drink Bottle

(71) GeoToll, Inc.  
(21) 2023266378 (22) 17.11.2023  
(54) SYSTEM AND METHOD TO REDUCE PROCESSING LOAD ON BACKEND SERVERS IN A VEHICLE MILES TRAVELED SYSTEM

(71) Gilead Sciences, Inc.  
(21) 2023266279 (22) 15.11.2023  
(54) Tetracyclic compounds for treating HIV infection

(71) GlaxoSmithKline Intellectual Property Development Limited  
(21) 2023270195 (22) 20.11.2023  
(54) 2,3-dihydroquinazolin compounds as NAV1.8 inhibitors

(71) Golden Solar (Quanzhou) New Energy Technology Co., Ltd.  
(21) 2023270247 (22) 21.11.2023  
(54) DOUBLE-SIDED TUNNELING SILICON-OXIDE PASSIVATED BACK-CONTACT SOLAR CELL AND PREPARATION METHOD THEREOF

(71) Gold Stone (Fujian) Energy Company Limited  
(21) 2023266288 (22) 15.11.2023  
(54) Back-contact cell with isolation grooves specifically disposed and preparation method thereof

(71) Google LLC  
(21) 2023270187 (22) 20.11.2023  
(54) TRAINING QUANTUM EVOLUTIONS USING SUBLOGICAL CONTROLS

(71) GRAPE KING BIO LTD  
(21) 2023266299 (22) 15.11.2023  
(54) Anti-fatigue lactobacillus composition and use thereof

(71) Greenyn Biotechnology Co., Ltd  
(21) 2023270216 (22) 21.11.2023  
(54) Anti-allergic peptide and use thereof for immune regulation and anti-allergy

(71) Hayashi, L.M.  
(21) 2023266349 (22) 16.11.2023  
(54) LOCATION DETERMINATION BASED ON BEACON SIGNAL TRANSMISSION TO ENABLED DEVICES

(71) Hoselink Pty Ltd  
(21) 2023270221 (22) 21.11.2023  
(54) REEL SPOOLING DEVICE

Complete Applications Filed - Name Index cont'd

(71) HOWMEDICA OSTEONICS CORP.  
(21) 2023266350 (22) 16.11.2023  
(54) ADDITIVE MANUFACTURING BUILD  
REMOVAL DEVICE AND SYSTEM

(71) Hunter Douglas, Inc.  
(21) 2023270210 (22) 21.11.2023  
(54) Operating system for an architectural  
covering

(71) Hunter Douglas Inc.  
(21) 2023266323 (22) 16.11.2023  
(54) Covering for architectural features, re-  
lated systems, and methods of manu-  
facture

(71) Hydro Grow LLC; Massey, S.  
(21) 2023266310 (22) 15.11.2023  
(54) Plant growing apparatus and method

(71) ICAHN SCHOOL OF MEDICINE AT  
MOUNT SINAI; Alnylam Pharmaceutic-  
als, Inc.  
(21) 2023266354 (22) 16.11.2023  
(54) Compositions and methods for inhibit-  
ing expression of the ALAS1 gene

(71) Idaho Milk Products; South Dakota  
State University  
(21) 2023266366 (22) 17.11.2023  
(54) Process for manufacture of milk per-  
meate powders

(71) Idemia Identity & Security France  
(21) 2023270211 (22) 21.11.2023  
(54) Automatic system and method for docu-  
ment authentication using portrait fraud  
detection

(71) IGT  
(21) 2023266321 (22) 16.11.2023  
(54) SYNCHRONIZING ACCOUNT RE-  
STRICTIONS BETWEEN GAMING ES-  
TABLISHMENT ACCOUNT AND AS-  
SOCIATED PAYMENT INSTRUMENT

(71) IHI Corporation  
(21) 2023266290 (22) 15.11.2023  
(54) Energy prediction device, energy pre-  
diction method, and energy prediction  
program

(71) Illinois Tool Works Inc.  
(21) 2023270251 (22) 21.11.2023  
(54) Apparatus for connecting reinforcement

(71) Illumina, Inc.  
(21) 2023266266 (22) 14.11.2023  
(54) METHODS OF SEQUENCING DATA  
READ REALIGNMENT

(71) Incyte Corporation  
(21) 2023270198 (22) 20.11.2023  
(54) SALTS OF PYRROLOTRIAZINE DE-  
RIVATIVES USEFUL AS TAM INHIBIT-  
ORS

(71) Ishida Co., Ltd.  
(21) 2023270252 (22) 22.11.2023  
(54) BAGMAKING AND PACKAGING AP-  
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(71) J. D. Theile GmbH & Co. KG  
(21) 2023266337 (22) 16.11.2023  
(54) CHAIN

(71) Janssen Biotech, Inc.  
(21) 2023266233 (22) 13.11.2023  
(54) GDF15 fusion proteins and uses there-  
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(71) Jinko Energy Storage Technology Co.,  
Ltd.  
(21) 2023270219 (22) 21.11.2023  
(54) SEPARATOR AND CELLS CONTACT  
SYSTEM

(71) Jinko Energy Storage Technology Co.  
Ltd.  
(21) 2023266297 (22) 15.11.2023  
(54) BATTERY MODULE AND BATTERY  
PACK

(71) Kaleido Biosciences, Inc.; DSM IP As-  
sets B.V.  
(21) 2023266348 (22) 16.11.2023  
(54) OLIGOSACCHARIDE PREPARATIONS  
AND COMPOSITIONS

(71) KY7 Inc.  
(21) 2023266265 (22) 14.11.2023  
(54) Lid body

(71) Lam, T.T.  
(21) 2023266394 (22) 19.11.2023  
(54) WHEEL LIKE STRUCTURE FOR  
WAVE ENERGY SYSTEM

(71) LANDA LABS (2012) LTD.  
(21) 2023270264 (22) 22.11.2023  
(54) TOPICAL COMPOSITIONS AND  
METHODS OF PREPARING THE  
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(71) LG Electronics Inc.  
(21) 2023266306 (22) 15.11.2023  
(54) Video coding method on basis of sec-  
ondary transform, and device for same

(71) LG Electronics Inc.  
(21) 2023266345 (22) 16.11.2023  
(54) METHOD AND APPARATUS FOR  
CODING IMAGE ON BASIS OF  
TRANSFORM

(71) LG Electronics Inc.  
(21) 2023270224 (22) 21.11.2023  
(54) Vacuum

(71) Liddicoat, D.  
(21) 2023270245 (22) 21.11.2023  
(54) A ROBUST AND MODULAR WATER  
PURIFICATION SYSTEM FOR VARIED  
ENVIRONMENTS

(71) Liv Labs Inc.  
(21) 2023266329 (22) 16.11.2023  
(54) Stress urinary incontinence (SUI)  
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(71) Lyons, M.  
(21) 2023266245 (22) 14.11.2023  
(54) DEVICES AND METHODS FOR  
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(71) Magic Leap, Inc.  
(21) 2023270240 (22) 21.11.2023  
(54) Continuous time warp and binocular  
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reality display systems and methods

**Massey, S. see Hydro Grow LLC**  
(21) 2023266310

(71) Mastercard International Incorporated  
(21) 2023266383 (22) 17.11.2023  
(54) Systems and methods for processing  
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(71) Mayo Foundation for Medical Education  
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(21) 2023266344 (22) 16.11.2023  
(54) Cell culture media compositions for  
primary cells

(71) Mestek Machinery, Inc.  
(21) 2023269499 (22) 20.11.2023  
(54) Protection System for Laser Cutting  
Machine

(71) Mettler-Toledo Safeline X-Ray Ltd.  
(21) 2023270220 (22) 21.11.2023  
(54) Inspection and sorting apparatus

(71) MFTB Holdco, Inc.  
(21) 2023258343 (22) 31.10.2023  
(54) Automated inter-image analysis of mul-  
tiple building images for building floor  
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(71) Mindbody, Inc.  
(21) 2023266396 (22) 20.11.2023  
(54) Multiscreen workflow facilitation via real-time database

(71) Moghe, V.  
(21) 2023266395 (22) 19.11.2023  
(54) WIPING EXCESS COATING FROM HOT DIP METAL COATED STRIPS

(71) Moore, C.  
(21) 2023270209 (22) 21.11.2023  
(54) Toroid motor-generator

(71) MycoTechnology, Inc.  
(21) 2023266307 (22) 15.11.2023  
(54) Sweet protein from truffle

(71) Nacho LED LLC  
(21) 2023270194 (22) 20.11.2023  
(54) METHOD AND APPARATUS FOR AN ADAPTABLE VEHICLE LIGHT FIXTURE

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(21) 2023266311

(71) NAVICO HOLDING AS  
(21) 2023270184 (22) 20.11.2023  
(54) STEERING ASSEMBLIES AND ASSOCIATED METHODS

(71) Neovasc Medical Ltd.  
(21) 2023266358 (22) 16.11.2023  
(54) Flow modifying implants

(71) Neuboron Therapy System Ltd.  
(21) 2023270215 (22) 21.11.2023  
(54) NEUTRON CAPTURE THERAPY SYSTEM

(71) Nextracker LLC  
(21) 2023266286 (22) 15.11.2023  
(54) Systems for an Methods of Positioning Solar Panels in an Array of Solar Panels to Efficiently Capture Sunlight

(71) Nextracker LLC  
(21) 2023266291 (22) 15.11.2023  
(54) Solar Module Mounting Bracket Assemblies

(71) Nippon Steel Corporation; Vallourec Oil and Gas France  
(21) 2023266308 (22) 15.11.2023

(54) Threaded connection for oil country tubular goods and method for producing threaded connection for oil country tubular goods

(71) Norbar Torque Tools Limited  
(21) 2023270254 (22) 22.11.2023  
(54) Cooling electronics of power tools

(71) Novartis AG  
(21) 2023266278 (22) 15.11.2023  
(54) Novel pharmaceutical composition

(71) Nunhems B.V.  
(21) 2023266276 (22) 15.11.2023  
(54) Watermelon variety NUN 32005 WMW

(71) Nunhems B.V.  
(21) 2023266280 (22) 15.11.2023  
(54) Watermelon variety NUN 32010 WMW

(71) Nunhems B.V.  
(21) 2023266300 (22) 15.11.2023  
(54) Watermelon variety NUN 32002 WMW

(71) Nunhems B.V.  
(21) 2023266369 (22) 17.11.2023  
(54) Watermelon variety NUN 32136 WMW

(71) Nunhems B.V.  
(21) 2023266382 (22) 17.11.2023  
(54) Lettuce variety NUN 07082 LTL

(71) Ohio State Innovation Foundation  
(21) 2023266355 (22) 16.11.2023  
(54) SYSTEMS AND METHODS FOR MECHANICAL DISPLACEMENT OF AN ESOPHAGUS

(71) Omeros Corporation  
(21) 2023266363 (22) 16.11.2023  
(54) MASP-2 inhibitors and methods of use

(71) Omnicell, Inc.  
(21) 2023266325 (22) 16.11.2023  
(54) Unit dose dispensing mechanisms

(71) Oon, Y.  
(21) 2023266365 (22) 16.11.2023  
(54) System and method of medical problem solving with medical narratives in a non-numerical computer spreadsheet

(71) OroraTech GmbH  
(21) 2023266327 (22) 16.11.2023  
(54) Calibration mechanism for thermal imaging systems

(71) PACCAR Inc  
(21) 2023270192 (22) 20.11.2023  
(54) ARTICULATED WHEEL FAIRING FOR THE STEER AXLE

(71) Patel, R.  
(21) 2023266335 (22) 16.11.2023  
(54) Composition for improving sleep

(71) Pratt Retail Specialties, LLC  
(21) 2023266362 (22) 16.11.2023  
(54) Modular Box Assembly

(71) Precigen, Inc.  
(21) 2023266388 (22) 17.11.2023  
(54) Methods and microorganisms for the fermentation of methane to multi-carbon compounds

(71) RAI Strategic Holdings, Inc  
(21) 2023270189 (22) 20.11.2023  
(54) Article

(71) Research Institute of Chemical Defense, PLA Academy of Military Sciences  
(21) 2023266319 (22) 15.11.2023  
(54) PREPARATION METHOD OF FLUORINE-FREE Ti3C2Tx MXene-MODIFIED POLYAMIDE (PA) REVERSE OSMOSIS (RO) MEMBRANE

(71) Revolution Medicines, Inc.  
(21) 2023266357 (22) 16.11.2023  
(54) 2,5-disubstituted 3-methyl pyrazines and 2,5,6-trisubstituted 3-methyl pyrazines as allosteric SHP2 inhibitors

(71) RMI OCEANIA PTY LTD  
(21) 2023266296 (22) 15.11.2023  
(54) Diagnostic Imaging System

**Roberts, K. see Webber, G.**  
(21) 2023270231

(71) Royal Bank of Canada  
(21) 2023266267 (22) 14.11.2023  
(54) Systems for processing electronic transactions

(71) S.C.R. (Engineers) Limited  
(21) 2023266305 (22) 15.11.2023  
(54) An animal tag

(71) Samsonite IP Holdings S.à r.l.  
(21) 2023270255 (22) 22.11.2023  
(54) LUGGAGE CASE DIVIDER WITH POCKET

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(71) SANTOSH HOLDINGS PTY LTD  
(21) 2023266317 (22) 15.11.2023  
(54) A COMPUTER SYSTEM AND A COMPUTER IMPLEMENTED METHOD FOR ASSESSMENT AND MEASUREMENT OF A WOUND

(71) Sarcos Corp.  
(21) 2023266368 (22) 17.11.2023  
(54) SYSTEM AND METHODS FOR EARLY DETECTION OF NON-BIOLOGICAL MOBILE AERIAL TARGET

(71) Sarudbhava Formulations Private Limited  
(21) 2023266295 (22) 15.11.2023  
(54) Therapeutic topical compositions of apremilast

(71) Schuler, C.A.  
(21) 2023266359 (22) 16.11.2023  
(54) Automotive privacy screen

(71) Seattle Children's Hospital d/b/a Seattle Children's Research Institute; Fred Hutchinson Cancer Center  
(21) 2023266352 (22) 16.11.2023  
(54) Method and compositions for cellular immunotherapy

(71) Secret Stash Pty Ltd  
(21) 2023266380 (22) 17.11.2023  
(54) Storage system

(71) Sensile Medical AG  
(21) 2023270239 (22) 21.11.2023  
(54) MICROPUMP

(71) Shandong INOV Polyurethane Co., Ltd.  
(21) 2023270197 (22) 20.11.2023  
(54) THERMAL CONDUCTIVE POLYURETHANE STRUCTURAL ADHESIVE WITH IMPROVED HIGH TEMPERATURE RETENTION AND ITS PREPARATION METHOD

(71) Shenzhen Seauto Technology Co., Ltd.  
(21) 2023266309 (22) 15.11.2023  
(54) BATTERY INSTALLATION STRUCTURE FOR SWIMMING POOL ROBOT AND SWIMMING POOL ROBOT

(71) Sirio Healthcare (Anhui) Co., Ltd.  
(21) 2023270199 (22) 20.11.2023  
(54) SOFT CANDY CONTAINING COLLAGEN TYPE II AND PREPARATION METHOD THEREOF

(71) Snap-on Incorporated  
(21) 2023266312 (22) 15.11.2023

(54) METHOD OF BRAKING A POWER TOOL

(71) Snap-on Incorporated  
(21) 2023266364 (22) 16.11.2023  
(54) Wireless torque wrench with torque specifications

South Dakota State University see Idaho Milk Products  
(21) 2023266366

(71) Stabilcorp Pty Ltd  
(21) 2023266361 (22) 16.11.2023  
(54) Spreader assembly

(71) State Grid Jiangsu Electric Power Co., Ltd Nanjing Power Supply Company; Nanjing Jiangbei New Area Public Utilities Holding Group Co. Ltd

(21) 2023266311 (22) 15.11.2023  
(54) CONTROL METHOD AND DEVICE FOR PHASE-CHANGE ENERGY STORAGE TYPE COLD AND HEAT COMBINED SUPPLY SYSTEM WITH MULTI-HEAT SOURCE HEAT PUMP

(71) Stryker Corporation  
(21) 2023266336 (22) 16.11.2023  
(54) System and method of controlling a robotic system for manipulating anatomy of a patient during a surgical procedure

(71) Sungrow Energy Storage Technology Co., Ltd.  
(21) 2023270235 (22) 21.11.2023  
(54) Circuit, method and device for addressing CAN nodes

(71) SUNGROW ENERGY STORAGE TECHNOLOGY CO., LTD.  
(21) 2023270257 (22) 22.11.2023  
(54) Outdoor cabinet

(71) Sungrow Power Supply (Nanjing) Co., Ltd  
(21) 2023270191 (22) 20.11.2023  
(54) Method and apparatus for processing photovoltaic data, and system for managing photovoltaic data

(71) Sungrow Power Supply Co., Ltd.  
(21) 2023266247 (22) 14.11.2023  
(54) Method and apparatus for managing state of health of battery, electronic device, and storage medium

(71) Sungrow Power Supply Co., Ltd.  
(21) 2023266342 (22) 16.11.2023

(54) System of machines connected in parallel, and method for transition between on-grid mode and off-grid mode

(71) Taiwan Liposome Co., Ltd.; TLC Biopharmaceuticals, Inc.  
(21) 2023266253 (22) 14.11.2023  
(54) Sustained-Release Anesthetic Compositions And Methods Of Preparation Thereof

(71) TEKION CORP  
(21) 2023266277 (22) 15.11.2023  
(54) METADATA TAG AUTO-APPLICATION TO POSTED ENTRIES

(71) TEKNO NRG PTY LTD  
(21) 2023266320 (22) 15.11.2023  
(54) Low-temperature quick cold start and temperature control device for fuel cell

(71) Telefonaktiebolaget LM Ericsson (publ)  
(21) 2023270183 (22) 20.11.2023  
(54) METHODS AND APPARATUSES FOR DETERMINING PAGING OCCASIONS ASSOCIATED WITH NARROWBAND REFERENCE SIGNAL (NRS)

(71) The Board of Trustees of the Leland Stanford Junior University  
(21) 2023266367 (22) 17.11.2023  
(54) Methods for manipulating phagocytosis mediated by CD74

(71) The Mosaic Company  
(21) 2023270222 (22) 21.11.2023  
(54) Swellable fertilizer granules containing elemental sulfur with increased oxidation rates

TLC Biopharmaceuticals, Inc. see Taiwan Liposome Co., Ltd.  
(21) 2023266253

(71) Tompkins Robotics, Inc.  
(21) 2023266351 (22) 16.11.2023  
(54) PARCEL AND ARTICLE SORTING SYSTEM AND METHOD WITH DESTINATION CONTAINER REMOVAL

(71) Transform Materials LLC  
(21) 2023270208 (22) 21.11.2023  
(54) SYSTEMS AND METHODS FOR PROCESSING GASES

(71) Transportation IP Holdings, LLC  
(21) 2023270201 (22) 21.11.2023  
(54) SYSTEM AND METHOD FOR IDENTIFYING EVENT SOURCE LOCATION ALONG VEHICLE SYSTEM

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(71) Transportation IP Holdings, LLC  
 (21) 2023270202 (22) 21.11.2023  
 (54) MOBILE RANGE EXTENDER

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(71) Treace Medical Concepts, Inc.  
 (21) 2023266377 (22) 17.11.2023  
 (54) Bone positioning and preparing guide systems and methods

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**Vallourec Oil and Gas France see Nippon Steel Corporation**  
 (21) 2023266308

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(71) Vatsky, E.  
 (21) 2023266304 (22) 15.11.2023  
 (54) Lever handle conversion system

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(71) VGP IPCO LLC  
 (21) 2023266272 (22) 14.11.2023  
 (54) COMPOSITION FOR USE IN CLEANING METAL COMPONENTS

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(71) W. L. Gore & Associates, Inc.  
 (21) 2023266334 (22) 16.11.2023  
 (54) Continuous tethered tissue anchor and associated systems and methods

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(71) Walmart Apollo, LLC  
 (21) 2023270265 (22) 22.11.2023  
 (54) Automated retail supply chain and inventory management system

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**Webber, H. see Webber, G.**  
 (21) 2023270231

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(71) Webber, G.; Webber, H.; Roberts, K.  
 (21) 2023270231 (22) 21.11.2023  
 (54) Portable Livestock Enclosure, Method of Corraling Livestock and Method of Performing a Procedure on Livestock

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(71) Whirlpool Corporation  
 (21) 2023270258 (22) 22.11.2023  
 (54) Analog dynamic triac firing circuit

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(71) Wonderland Switzerland AG  
 (21) 2023266372 (22) 17.11.2023  
 (54) DINNER TRAY, DINNER TRAY HOLDER AND CHILD CARRIER

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(71) Xard Group Pty Ltd  
 (21) 2023266392 (22) 17.11.2023  
 (54) DIGITAL TRANSACTION SYSTEM AND METHOD WITH A VIRTUAL COMPANION CARD

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(71) Yakima Australia Pty Limited  
 (21) 2023266262 (22) 14.11.2023  
 (54) Truck-Mountable Cargo Rack

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(71) Yale University  
 (21) 2023266285 (22) 15.11.2023  
 (54) Interleukin-18 variants and methods of use

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(71) Yanmar Compact Equipment North America, Inc.  
 (21) 2023266259 (22) 14.11.2023  
 (54) Torsion axle suspension system apparatus and method

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(71) YEOH LIM, K.C.  
 (21) 2023251474 (22) 19.10.2023  
 (54) Electric Vehicle Mini Power Station Generators, Gearbox/Gears and Power Boost System  
 (62) 2022218509

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(71) Zavargè Pty Ltd  
 (21) 2023266387 (22) 17.11.2023  
 (54) Improvements in Bedding including Push-Pin Securing Assembly

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(71) Zoetis Services LLC  
 (21) 2023270256 (22) 22.11.2023  
 (54) SIGNAL AMPLIFICATION IN PLASMONIC SPECIFIC-BINDING PARTNER ASSAYS

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		2023266394	Lam, T.T.

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2023270208	Transform Materials LLC		
2023270209	Moore, C.		
2023270210	Hunter Douglas, Inc.		
2023270211	Idemia Identity & Security France		
2023270212	Adobe Inc.		
2023270213	ENERTECHNOS LIMITED		
2023270214	Avery Dennison Retail Information Services LLC		
2023270215	Neuboron Therapy System Ltd.		
2023270216	Greenyn Biotechnology Co., Ltd		
2023270218	Adobe Inc.		
2023270219	Jinko Energy Storage Technology Co., Ltd.		
2023270220	Mettler-Toledo Safeline X-Ray Ltd.		
2023270221	Hoselink Pty Ltd		
2023270222	The Mosaic Company		
2023270223	CURVEBEAM AI LIMITED		
2023270224	LG Electronics Inc.		
2023270225	AUSFAB INNOVATION PTY LTD		
2023270226	Chester Brown Industries Pty Ltd		
2023270227	Block, Inc.		
2023270230	Covidien LP		
2023270231	Webber, G.; Webber, H.; Roberts, K.		
2023270235	Sungrow Energy Storage Technology Co., Ltd.		
2023270236	Advanced Animal Diagnostics, Inc.		
2023270239	Sensile Medical AG		
2023270240	Magic Leap, Inc.		
2023270245	Liddicoat, D.		
2023270246	Centogene IP GmbH		
2023270247	Golden Solar (Quanzhou) New Energy Technology Co., Ltd.		
2023270249	Anric Developments Pty Limited		
2023270250	Aristocrat Technologies Australia Pty Limited		
2023270251	Illinois Tool Works Inc.		
2023270252	Ishida Co., Ltd.		
2023270253	Beijing Tusen Zhitu Technology Co., Ltd.		
2023270254	Norbar Torque Tools Limited		
2023270255	Samsonite IP Holdings S.à r.l.		
2023270256	Zoetis Services LLC		
2023270257	SUNGROW ENERGY STORAGE TECHNOLOGY CO., LTD.		
2023270258	Whirlpool Corporation		
2023270260	Cyclerion Therapeutics, Inc.		



**Innovation Patent Applications Filed****Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 14 Nov 2023 .  
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

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(71) Apple Inc.  
(21) 2023100095           (22) 17.11.2023  
(54) Peer transaction system  
(62) 2019101487

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(71) CPR Group Australia Pty Ltd  
(21) 2023100094           (22) 17.11.2023  
(54) A SHROUD  
(62) 2020100560

**Numerical Index**

**2023100094** CPR Group Australia Pty Ltd

**2023100095** Apple Inc.

**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:

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

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

**2023**

2023208215 **Multisteps Pty Ltd** Provisional Number: 2023903725

**Assignments before Grant, Section 113**

**2018**

2018248306 General Electric Company The application has been assigned to **General Electric Renovables España, S.L.**

2018251620 AirRat Pty Ltd The application has been assigned to **Ultra Aquatic Technology Pty Ltd**

2018290315 Metso Minerals Industries, Inc. The application has been assigned to **Metso Outotec Sweden Ab**

2018293446 Peak Well Systems Pty Ltd; Peak Well Systems Limited The application has been assigned to **SCHLUMBERGER TECHNOLOGY CORPORATION; SCHLUMBERGER CANADA LIMITED; SERVICES PETROLIERS SCHLUMBERGER; Schlumberger Technology B.V.**

2018293447 Peak Well Systems Pty Ltd; Peak Well Systems Limited The application has been assigned to **SCHLUMBERGER TECHNOLOGY CORPORATION; SCHLUMBERGER CANADA LIMITED; SERVICES PETROLIERS SCHLUMBERGER; Schlumberger Technology B.V.**

2018400196 VADOVATIONS, INC. The application has been assigned to **Star BP, Inc.**

2018447765 General Electric Company The application has been assigned to **General Electric Renovables España, S.L.**

2018448000 General Electric Company The application has been assigned to **General Electric Renovables España, S.L.**

2018452333 General Electric Company The application has been assigned to **General Electric Renovables España, S.L.**

2018452695 General Electric Company The application has been assigned to **General Electric Renovables España, S.L.**

**2019**

2019205003 MAX & WILS PTY. LTD. The application has been assigned to **MASTERFORM SYSTEMS PTY LTD**

2019250236 General Electric Company The application has been assigned to **General Electric Renovables España, S.L.**

2019270429 COATES, Ken; ORSBORN, Brian The application has been assigned to **COATES, Ken**

2019295731 Equinox Ophthalmic, Inc. The application has been assigned to **Balance Ophthalmics, Inc.**

**Assignments before Grant, Section 113**

2019336031 KONG, Seogkyoung The application has been assigned to **ACT Therapeutics Inc.**

2019363848 Takeda Pharmaceutical Company Limited The application has been assigned to **Endosome Therapeutics, Inc.**

2019426340 Thaller, Arno The application has been assigned to **Thaller, Jan; Thaller, Tristan; Weis, Milena; Thaller, Gudrun; Nerlich, Linda; Thaller-Honold, Svetlana**

**2020**

2020200779 Bookbuild Group Pty Ltd The application has been assigned to **Hao, Patrick**

2020205300 MAX & WILS PTY. LTD. The application has been assigned to **MASTERFORM SYSTEMS PTY LTD**

2020232943 General Electric Company The application has been assigned to **General Electric Renovables España, S.L.**

2020259217 BAE Systems PLC The application has been assigned to **Snap Inc.**

2020283372 Modalis Therapeutics Corporation; Astellas Pharma Inc. The application has been assigned to **Modalis Therapeutics Corporation**

2020300448 Novaphos Inc. The application has been assigned to **Novaphos Phosphate Technology LLC**

2020348973 Thaller, Arno The application has been assigned to **Thaller, Jan; Thaller, Tristan; Weis, Milena; Thaller, Gudrun; Nerlich, Linda; Thaller-Honold, Svetlana**

2020351014 Thaller, Arno The application has been assigned to **Thaller, Jan; Thaller, Tristan; Weis, Milena; Thaller, Gudrun; Nerlich, Linda; Thaller-Honold, Svetlana**

2020363017 Hudson, David The application has been assigned to **ROBOS INTERNATIONAL LIMITED**

**2021**

2021221495 Max & Wils Pty. Ltd. The application has been assigned to **MASTERFORM SYSTEMS PTY LTD**

2021221795 HUDSON, DAVID The application has been assigned to **ROBOS INTERNATIONAL LIMITED**

2021429382 METSO OUTOTEC FINLAND OY The application has been assigned to **Metso Metals Oy**

2021432764 DAESANG CORPORATION The application has been assigned to **CJ Cheiljedang Corporation**

**2022**

2022200480 BAE Systems plc The application has been assigned to **Snap Inc.**

**Assignments before Grant, Section 113**

2022204389 Equinox Ophthalmic, Inc. The application has been assigned to **Balance Ophthalmics, Inc.**

2022209205 Peak Well Systems Limited; Peak Well Systems Pty Ltd The application has been assigned to **SCHLUMBERGER TECHNOLOGY CORPORATION; SCHLUMBERGER CANADA LIMITED; SERVICES PETROLIERS SCHLUMBERGER; Schlumberger Technology B.V.**

2022209206 Peak Well Systems Limited; Peak Well Systems Pty Ltd The application has been assigned to **SCHLUMBERGER TECHNOLOGY CORPORATION; SCHLUMBERGER CANADA LIMITED; SERVICES PETROLIERS SCHLUMBERGER; Schlumberger Technology B.V.**

2022211909 Equinox Ophthalmic, Inc. The application has been assigned to **Balance Ophthalmics, Inc.**

2022291659 Takeda Pharmaceutical Company Limited The application has been assigned to **Endosome Therapeutics, Inc.**

2022903556 HUDSON, DAVID The application has been assigned to **ROBOS INTERNATIONAL LIMITED**

2022903621 MOSELEY, Dominic; LEUW, Bradley; BADCOCK, Rodney Alan; RICE, James Hamilton Palmer The application has been assigned to **Victoria Link Limited**

**2023**

2023903034 Hale, Brendon; Basis NZ Limited; Pettigrew, Warren; Palmer, Ian The application has been assigned to **Basis NZ 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.

**2013**

2013245359 **Bio-Start Limited** An application to extend the time from 28 Mar 2023 to 28 Nov 2023 in which to pay a renewal fee has been filed . Address for service - AJ PARK Level 24, Tower 2, Darling Park 201 Sussex St Sydney NSW 2000 AU

**2014**

2014263011 **Innovative Environmental Technologies, Inc.** An application to extend the time from 02 May 2023 to 02 Dec 2023 in which to pay a renewal fee has been filed . Address for service - Maxwells Patent & Trade Mark Attorneys Pty Ltd PO Box R1466 Royal Exchange SYDNEY NSW 1225 AU

**2017**

2017202395 **G Fleet Holdings Pty Ltd** An application to extend the time from 11 Apr 2023 to 11 Nov 2023 in which to pay a continuation fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**Extensions of Time, Section 223**

**2019**

2019101654 **Hangzhou Minsheng Healthcare Co., Ltd.** An application to extend the time from 19 Dec 2022 to 19 Nov 2023 in which to pay a renewal fee has been filed . Address for service - Baxter Patent Attorneys Pty Ltd Level 12/10 Carrington St Sydney NSW 2000 AU

2019218647 **Welldata (Subsurface Surveillance Systems) Limited** An application to extend the time from 07 Feb 2023 to 07 Oct 2023 in which to pay a continuation fee has been filed . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

**2020**

2020244453 **Northwestern University** An application to extend the time from 21 Jun 2021 to 21 Nov 2023 in which to pay a continuation fee has been filed . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

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

**2016**

2016102095 **United Rentals Australia Pty Ltd** The time in which to pay a renewal fee has been extended to 08 Jul 2023 . Address for service - Davies Collison Cave Pty Ltd Level 4 7 Macquarie Place Sydney NSW 2000 AU

2016102099 **United Rentals Australia Pty Ltd** The time in which to pay a renewal fee has been extended to 09 Jul 2023 . Address for service - Davies Collison Cave Pty Ltd Level 4 7 Macquarie Place Sydney NSW 2000 AU

2016331082 **Vycellix, Inc.** The time in which to gain acceptance has been extended to 22 Nov 2023 . Address for service - Franke Hyland Pty Ltd PO Box 356 NORTH RYDE BC NSW 1670 AU

2016375861 **NuCana plc** The time in which to pay a renewal fee has been extended to 21 Aug 2023 . Address for service - AJ PARK GPO Box 2513 Sydney NSW 2001 AU

**2017**

2017332808 **Amnity LLC** The time in which to pay the acceptance fee has been extended to 11 Nov 2023 . Address for service - Maxwells Patent & Trade Mark Attorneys Pty Ltd PO Box R1466 Royal Exchange SYDNEY NSW 1225 AU

**2018**

2018229685 **Aus Group Alliance Pty Ltd** The time in which to file a notice of opposition has been extended to 06 Oct 2023 . Address for service - FB Rice Pty Ltd L 33 477 Collins Street Melbourne VIC 3000 AU

2018236706 **S & B Summers Pty Ltd** The time in which to pay a continuation fee has been extended to 24 May 2023 . Address for service - S & B Summers Pty Ltd PO Box 2642 Clarkson WA 6030 AU

**2020**

2020100766 **HYPERSOX LAUNCH SYSTEMS PTY LTD** The time in which to pay a renewal fee has been extended to 18 Feb 2023 . Address for service - Michael Smart 31 Runic St Bardon QLD 4065 AU

## Extensions of Time, Section 223

2020100803 **HYPERSONIX LAUNCH SYSTEMS PTY LTD** The time in which to pay a renewal fee has been extended to 21 Feb 2023 . Address for service - Michael Smart 31 Runic St Bardon QLD 4065 AU

### 2021

2021201983 **Le Med Pty Led** The time in which to pay the acceptance fee has been extended to 06 Dec 2023 . Address for service - FORWARD INTELLECTUAL PROPERTY PTY LTD U 3 127 Crown Rd Queenscliff NSW 2096 AU

### 2022

2022200357 **Safetech IP Pty Ltd** The time in which to pay the acceptance fee has been extended to 01 Nov 2023 . Address for service - HWL Ebsworth Lawyers Attn: H Kavadias GPO Box 5408 Sydney NSW 2001 AU

2022204262 **Molecular Insight Pharmaceuticals, Inc.** The time in which to pay a continuation fee has been extended to 23 May 2023 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2022204440 **Superior Pak Holdings Pty Ltd** The time in which to pay a continuation fee has been extended to 06 Sep 2023 . Address for service - Wynnes Patent and Trade Mark Attorneys Pty Ltd Unit 4 27 Godwin St Bulimba QLD 4171 AU

### 2023

2023208196 **Roadtec, Inc.** The time in which to comply with a direction under Reg 3.2A has been extended to 02 Dec 2023 . Address for service - AJ Pietras IP Limited Level 1, 29 Kings Crescent Lower Hutt Wellington 5010 NZ

2023214234 **Orica International Pte Ltd** The time in which to make a further application for a divisional patent has been extended to 14 Aug 2023 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2023265966 **Syedain, Z.; Tranquillo, R.** The time in which to make a further application for a divisional patent has been extended to 13 Nov 2023 . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

## Amendments

### Applications for Amendment

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

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

### 2005

2005314155 Method for preparing N-phenylpyrazole-1-carboxamides **FMC Corporation ; FMC Agro Singapore Pte. Ltd.** The nature of

## Amendments

the amendment is as shown in the statement(s) filed 06 Nov 2023 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

### 2007

2007306270 Crystalline form of 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1-(2H)-pyrimidinyl]-4-fluoro-N-[[methyl-(1-methyl-ethyl)amino]sulphonyl]benzamide **BASF SE** The nature of the amendment is as shown in the statement(s) filed 27 Oct 2023 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street Melbourne VIC 3000 AU

### 2017

2017225099 System and method for semi-autonomous control of an industrial machine **Joy Global Surface Mining Inc** The nature of the amendment is as shown in the statement(s) filed 06 Nov 2023 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

### 2018

2018222746 High pressure zone formation for pretreatment **Apalta Patents OÜ** The nature of the amendment is as shown in the statement(s) filed 10 Nov 2023 . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

### 2020

2020263238 Mirikizumab for use in a method of treating Crohn's Disease **Eli Lilly and Company** The nature of the amendment is as shown in the statement(s) filed 15 Nov 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2020273376 AMIDE COMPOUNDS AS KINASE INHIBITORS, COMPOSITIONS AND METHODS OF TREATMENT **Translational Drug Development, LLC** The nature of the amendment is as shown in the statement(s) filed 18 Nov 2023 . Address for service - Southern Cross Intellectual Property PO Box 906 Brisbane QLD 4001 AU

2020333708 2-aminopyrimidine compounds and pharmaceutical compositions and uses thereof **Shanghai Zhimeng Biopharma Inc.** The nature of the amendment is as shown in the statement(s) filed 03 Nov 2023 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street Melbourne VIC 3000 AU

2020343703 Banknote deposit-withdrawal system and architecture **Crane Payment Innovations, Inc.** The nature of the amendment is as shown in the statement(s) filed 14 Nov 2023 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2020417722 Dynamically rendered interface elements during on-line chat sessions **PayPal, Inc.** The nature of the amendment is as shown in the statement(s) filed 19 Oct 2023 . Address for service - FPA Patent Attorneys Pty Ltd ANZ Tower 161 Castlereagh Street Sydney NSW 2000 AU

### 2021

2021200137 NON-TOXIC HSV VECTORS FOR EFFICIENT GENE DELIVERY APPLICATIONS AND COMPLEMENTING CELLS FOR THEIR PRODUCTION **University of Pittsburgh - of the Commonwealth System of Higher Education** The nature of the amendment is as shown in the statement(s) filed 25 Oct 2023 . Address for service

**Amendments**

- Pizzeys Patent and Trade Mark Attorneys Pty Ltd Level 15 241 Adelaide Street BRISBANE QLD 4000 AU

**2022**

2022218540 **User interfaces for audio media control** **Apple Inc.** The nature of the amendment is as shown in the statement(s) filed 15 Nov 2023 . Address for service - FPA Patent Attorneys Pty Ltd Suite 2, Level 9 275 George Street Sydney NSW 2000 AU

2022252727 **User interface device for industrial vehicle** **Crown Equipment Corporation** The nature of the amendment is as shown in the statement(s) filed 09 Nov 2023 . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

**Amendments Made**

**2009**

2009238175 **Arbutus Biopharma Corporation** The nature of the amendment is as shown in the statement(s) filed 14 Aug 2023

**2015**

2015287913 **Lippert Components Inc.** The nature of the amendment is as shown in the statement(s) filed 22 Aug 2022 and 11 Aug 2023

**2017**

2017203732 **Electrolux Appliances Aktiebolag** The nature of the amendment is: Amend the name of the inventor to read STOCCO, Piero; GIROTTI, Terenzio; DE BERNARDO, Andrea; CORSO, Lorenzo and ALTINIER, Fabio

2017249489 **Elkem ASA** The nature of the amendment is: Amend the name of the inventor to read Liptak, Matthew and Hartung, Catherine

**2018**

2018221649 **CP Kelco ApS** The nature of the amendment is as shown in the statement(s) filed 10 Aug 2023

2018311503 **MedImmune, LLC** The nature of the amendment is as shown in the statement(s) filed 08 Aug 2023

2018313034 **Alcon Inc.** The nature of the amendment is: Amend the name of the inventor to read ANDERSON, Joshua; CHON, James Y.; FARLEY, Mark Harrison; HALLEN, Paul R. and ABT, Niels Alexander

**2019**

2019233633 **Omega Energy Systems, LLC** The nature of the amendment is as shown in the statement(s) filed 21 Aug 2023

2019267166 **GlaxoSmithKline Intellectual Property Development Limited** The nature of the amendment is as shown in the statement(s) filed 05 Jun 2023

2019276568 **Hill's Pet Nutrition, Inc.** The nature of the amendment is: Amend the name of the inventor to read JEWELL, Dennis; GROSS, Kathy; OGLEBY, Blair and SCHERL, Dale

**Amendments**

2019442226 **Colgate-Palmolive Company** The nature of the amendment is as shown in the statement(s) filed 22 Aug 2023

**2020**

2020203052 **Alcon Inc.** The nature of the amendment is as shown in the statement(s) filed 22 Aug 2023

2020302077 **The University of Southern California** The nature of the amendment is as shown in the statement(s) filed 15 Aug 2023

2020420030 **ShenZhen Rhegen Biotechnology Co., Ltd.** The nature of the amendment is: Amend the name of the inventor to read HU, Yong; ZHANG, Miaomiao and HU, Xun

**2021**

2021200429 **Minerva Biotechnologies Corporation** The nature of the amendment is as shown in the statement(s) filed 31 Jul 2023

2021201215 **Flexopack S.A.** The nature of the amendment is: Amend the name of the inventor to read Gkinosatis, Dimitris

2021204015 **CareFusion 303, Inc.** The nature of the amendment is as shown in the statement(s) filed 22 Aug 2023

2021282524 **Lysando AG** The nature of the amendment is as shown in the statement(s) filed 22 Aug 2023

2021317197 **Rothwell, V.** The nature of the amendment is: Application is to proceed under the number 2021107689

2021318431 **Ellis, G.** The nature of the amendment is as shown in the statement(s) filed 24 Aug 2023

2021325730 **Ocado Innovation Limited** The nature of the amendment is: Amend the priority details to read 2012740.3 14 Aug 2020 GB; 2012751.0 14 Aug 2020 GB; 2016081.8 09 Oct 2020 GB; 2016097.4 09 Oct 2020 GB and 2109567.4 01 Jul 2021 GB

2021445546 **HUAWEI DIGITAL POWER TECHNOLOGIES CO., LTD.** The nature of the amendment is: Amend the invention title to read PHOTOVOLTAIC POWER GENERATION SYSTEM CONTROL METHOD, PHOTOVOLTAIC POWER GENERATION SYSTEM, AND SWITCHING APPARATUS

**2022**

2022201761 **Apple Inc.** The nature of the amendment is: Amend the name of the inventor to read BLAHNIK, Jay; BUTCHER, Gary Ian; CHEN, Kevin Will; GRAHAM, David Chance; KEEN, Daniel S.; RUSHING, Justin Shane; SHORTLIDGE, T. Allan; DAVYDOV, Anton M.; DYE, Alan C.; IVE, Jonathan P.; KENNEDY, Zachery; MINJACK, Zachury; PARK, Dennis S.; SCHMITT, Brian and LYNCH, Kevin

2022203948 **Fochon Pharmaceuticals, Ltd.** The nature of the amendment is: Amend the name of the inventor to read Liu, Hongbin; Rong, Yue; Zhang, Huajie; Chen, Zhifang; Tan, Rui; He, Chengxi; Li, Zhifu; Zhou, Zuwen; Tan, Haohan; Ran, Kai; Wang, Xianlong; Zou, Zongyao; Jiang, Lihua; Liu, Yanxin; Zhao, Xingdong; Wang, Weibo and Fu, Jiemin



**Amendments**

2022258335 **MODERNATX, INC.** The nature of the amendment is as shown in the statement(s) filed 09 Nov 2023 and 16 Nov 2023

2022272594 **CENTRICSBIO, INC.** The nature of the amendment is: Amend the invention title to read Anti-CD300c monoclonal antibody and biomarker thereof for preventing or treating cancer

2022285370 **MITSUI CHEMICALS CROP & LIFE SOLUTIONS, INC.** The nature of the amendment is: Amend the invention title to read COMPOSITION WITH ENHANCED PLANT DISEASE CONTROL EFFECT AND RAINFASTNESS OF D-TAGATOSE

2022290877 **BOSTON SCIENTIFIC SCIMED, INC.** The nature of the amendment is: Amend the invention title to read MEDICAL SYSTEMS, DEVICES, AND RELATED METHODS THEREOF

2022302809 **HANMI PHARM. CO., LTD.** The nature of the amendment is: Amend the invention title to read Therapeutic use of combination including triple agonist having activities to all of Glucagon, GLP-1, and GIP receptors

**2023**

2023248167 **President and Fellows of Harvard College** The nature of the amendment is: Amend divisional details to read 2021202581

2023263479 **Hangzhou Biotest Biotech Co., LTD.** The nature of the amendment is: Amend the priority details to read 2022115856048 09 Dec 2022 CN; 63/435,655 28 Dec 2022 US and 2300079.7 04 Jan 2023 GB

2023903620 **ASSA ABLOY Australia Pty Limited** The nature of the amendment is: Amend the invention title to read A lock assembly for use with a swing door

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

**2005**

2005279688 Intide Pty Ltd The name of the patentee has been altered to **Hityde Pty Ltd**

**2008**

2008296978 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

**2010**

2010245273 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2010247777 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2010300848 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2010303947 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

**Amendments**

2010307299 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

**2011**

2011203667 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2011269041 ONXEO; Institut Curie; Centre National de la Recherche Scientifique The name of the patentee has been altered to **Valerio Therapeutics; Institut Curie; Centre National de la Recherche Scientifique**

2011282911 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2011312680 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2011326689 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

**2012**

2012212224 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2012230096 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2012246665 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

**2014**

2014348876 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

**2015**

2015202211 ONXEO; Institut Curie; Centre National de la Recherche Scientifique The name of the patentee has been altered to **Valerio Therapeutics; Institut Curie; Centre National de la Recherche Scientifique**

2015363060 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2015387489 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

**2016**

2016296905 ONXEO; Institut Curie; Centre national de la recherche scientifique; Institut National de la Sante et de la Recherche Medicale; Université Paris-Saclay The name of the patentee has been altered to **Institut Curie; Centre national de la recherche scientifique; Institut National de la Sante et de la Recherche Medicale; Université Paris-Saclay; Valerio Therapeutics**

2016410602 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

**Amendments**

**2017**

2017254385 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2017261253 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2017261270 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2017271591 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2017342834 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2017358882 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2017366794 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2017377972 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

**2018**

2018260733 Intrexon Corporation The name of the applicant has been altered to **Precigen, Inc.**

2018313864 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2018328754 Commonwealth Scientific and Industrial Organisation The name of the applicant has been altered to **Commonwealth Scientific and Industrial Research Organisation**

2018330439 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2018352984 Intrexon Corporation The name of the applicant has been altered to **Precigen, Inc.**

2018353978 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2018388779 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2018421443 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2018453381 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

**2019**

2019235337 ONXEO; Institut Curie; Inserm (Institut National de la Santé et de la Recherche Médicale); Centre National De La Recherche Scientifique The name of the applicant has been altered to **Valerio Therapeutics; Institut Curie; Inserm (Institut National de la Santé et**

**Amendments**

**de la Recherche Médicale); Centre National De La Recherche Scientifique**

2019239150 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2019257579 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2019266058 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2019266106 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2019267366 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2019324479 KYOCERA Fineceramics Precision GmbH The name of the applicant has been altered to **KYOCERA Fineceramics Europe GmbH**

2019346576 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2019346606 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2019355998 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2019392389 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2019394853 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2019407860 Brita GmbH The name of the applicant has been altered to **BRITA SE**

2019408408 ONXEO The name of the applicant has been altered to **Valerio Therapeutics**

2019451182 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

**2020**

2020100766 HYPERSONIX LAUNCH SYSTEMS PTY LTD The name of the patentee has been altered to **HYPERSONIX LAUNCH SYSTEMS LTD**

2020206320 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020240003 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020242287 ONXEO; INSERM (Institut National de la Santé et de la Recherche Médicale); Université Paul Sabatier Toulouse III; Institut Claudius Regaud The name of the applicant has been altered to

**Amendments**

**Valerio Therapeutics; INSERM (Institut National de la Santé et de la Recherche Médicale); Université Paul Sabatier Toulouse III; Institut Claudius Regaud**

2020245205 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020245353 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020267745 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020282835 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020282841 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020283031 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020283034 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020283902 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020284132 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020286118 Brita GmbH The name of the applicant has been altered to **BRITA SE**

2020291513 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020315822 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020325077 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020327915 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020331910 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020337244 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020352887 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020356305 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

**Amendments**

2020357519 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020363385 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020363627 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2020364326 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020366015 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020367793 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2020367794 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020368382 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020374889 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020403120 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2020407219 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

**2021**

2021204455 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2021213104 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2021217089 Topelia Australia Pty Ltd The name of the applicant has been altered to **Topelia Aust Limited**

2021228603 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2021235666 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2021237401 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2021239899 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2021242245 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

**Amendments**

2021244119 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2021245166 Risk Mitigation Technologies Pty Ltd. The name of the applicant has been altered to **NTK Innovations Pty Ltd**

2021246668 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2021278108 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2021293020 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2021345101 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2021347109 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2021402905 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2021403263 SHENZHEN MAJORY BIOTECHNOLOGY., LTD. The name of the applicant has been altered to **Shenzhen Majory Biotechnology Co., Ltd.**

2021409152 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

**2022**

2022200840 LANDIS+GYR INNOVATIONS, INC. The name of the patentee has been altered to **Landis+Gyr Technology, Inc.**

2022204925 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2022212797 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2022259416 Tacit Therapeutics, Inc.; David Allen NELLES The name of the applicant has been altered to **Tacit Therapeutics, Inc.**

2022261974 ALTAVANT SCIENCES GMBH; Kenneth Baker Jr. LEWIS ; Nani Putri KADRICHU ; Elvin Sanghwan LEE The name of the applicant has been altered to **Onspira Therapeutics, Inc.**

2022263538 Avery Dennison Corporation; Avery Dennison Corporation The name of the applicant has been altered to **Avery Dennison Corporation**

**2023**

2023201665 LANDIS+GYR INNOVATIONS, INC. The name of the applicant has been altered to **Landis+Gyr Technology, Inc.**

2023254895 JINKO SOLAR CO., LTD.; ZHEJIANG JINKO SOLAR CO., LTD.; AJ Pietras IP Limited The name of the applicant has been

**Amendments**

altered to **JINKO SOLAR CO., LTD.; ZHEJIANG JINKO SOLAR CO., LTD.**

2023901860 Devlin, Rory; Spijkers-Shaw, Sam; Zubkova, Olga The name of the applicant has been altered to **Devlin, R.; Spijkers-Shaw, S.; Zubkova, O.; Young, S.; Shields, N.**

2023903339 Bionics Institute The name of the applicant has been altered to **The Bionics Institute of Australia**

2023903360 The University of Queensland The name of the applicant has been altered to **The University of Queensland; Universidad Austral de Chile**

2023903611 The Microbiome Research Group (TMR) Pty Ltd The name of the applicant has been altered to **Biobase Future Pty Ltd**

Applications Open to Public Inspection

Name Index

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

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(71) AbbVie Inc.; Calico Life Sciences LLC  
 (11) AU-A-2023263567  
 (21) 2023263567 (22) 10.11.2023  
 (54) Protein tyrosine phosphatase inhibitors and methods of use thereof  
 (51) Int. Cl.  
*C07D 285/13* ( 2006.01 )  
*A61K 31/433* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 417/12* ( 2006.01 )  
 (43) 30.11.2023  
 (62) 2019290197  
 (72) Elliot FARNEY; Roohollah Kazem SHIROODI; Zhaoming XIONG; Qingwei ZHANG; Matthew O'CONNOR; Geoff HALVORSEN; Hongyu ZHAO; Christina BAUMGARTNER; Jennifer M. FROST; Phil KYM; Jason R. ABBOTT; Andrew BOGDAN; Christos ECONOMOU; Xueqing WANG  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Acceleron Pharma Inc.; The Brigham and Women's Hospital, Inc.  
 (11) AU-A-2023263573  
 (21) 2023263573 (22) 12.11.2023  
 (54) Compositions and methods for treating pulmonary hypertension  
 (51) Int. Cl.  
*A61K 38/00* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
 (43) 30.11.2023  
 (62) 2020203110  
 (72) Paul Yu; Asya Grinberg; Dianne S. Sako; Roselyne Castonguay; Rita Steeves; Ravindra Kumar  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Adobe Inc.  
 (11) AU-A-2023201361  
 (21) 2023201361 (22) 06.03.2023  
 (54) GRAPHICS PROCESSING UNIT INSTANCING CONTROL  
 (51) Int. Cl.  
*G06T 17/20* ( 2006.01 )  
*G06T 1/20* ( 2006.01 )  
*G06T 11/20* ( 2006.01 )  
 (31) 17/741,976 (32) 11.05.22 (33) US  
 (43) 30.11.2023  
 (72) Kumar, Harish  
 (74) RnB IP Pty Ltd

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(71) Adobe Inc.  
 (11) AU-A-2023201535  
 (21) 2023201535 (22) 13.03.2023  
 (54) OBJECT CLASS INPAINTING IN DIGITAL IMAGES UTILIZING CLASS-

SPECIFIC INPAINTING NEURAL NETWORKS  
 (51) Int. Cl.  
*G06T 5/00* ( 2006.01 )  
*G06N 3/08* ( 2023.01 )  
*G06T 7/11* ( 2017.01 )  
 (31) 17/663,317 (32) 13.05.22 (33) US  
 (43) 30.11.2023  
 (72) Lin, Zhe; Amirghodsi, Sohrab; Cohen, Scott; Xu, Ning; Lu, Jingwan; Zhang, Jianming; Zheng, Haitian; Shechtman, Elya; Barnes, Connelly  
 (74) RnB IP Pty Ltd

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(71) AIM Intelligent Machines, Inc.  
 (11) AU-A-2022287561  
 (21) 2022287561 (22) 13.12.2022  
 (54) Hardware component configuration for autonomous control of powered earth-moving vehicles  
 (51) Int. Cl.  
*G05D 1/02* ( 2020.01 )  
*E02F 9/20* ( 2006.01 )  
*G05B 19/46* ( 2006.01 )  
 (31) 17/893,423 (32) 23.08.22 (33) US  
 63/340,429 10.05.22 US  
 (43) 30.11.2023  
 (72) Kottaba, Robert  
 (74) Davies Collison Cave Pty Ltd

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(71) Aladdin Manufacturing Corporation  
 (11) AU-A-2023263481  
 (21) 2023263481 (22) 08.11.2023  
 (54) Low weight modular carpet components and methods of making the same  
 (51) Int. Cl.  
*D06N 7/00* ( 2006.01 )  
 (43) 30.11.2023  
 (62) 2018331356  
 (72) Michael Christopher Gallman; Michael E. BELL  
 (74) Davies Collison Cave Pty Ltd

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(71) Amgen Inc.  
 (11) AU-A-2023263502  
 (21) 2023263502 (22) 09.11.2023  
 (54) KRAS G12C inhibitors and methods of using the same  
 (51) Int. Cl.  
*C07D 471/04* ( 2006.01 )  
*A61K 31/519* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 475/00* ( 2006.01 )  
 (43) 30.11.2023  
 (62) 2021245150  
 (72) Brian Alan LANMAN; Jian CHEN; Anthony B. REED; Victor J. CEE; Longbin LIU; David John KOPECKY; Patricia LOPEZ; Ryan Paul WURZ; Thomas T. NGUYEN; Shon BOOKER; Nobuko NISHIMURA; Youngsook SHIN; Nuria

A. TAMAYO; John Gordon ALLEN; Jennifer Rebecca ALLEN  
 (74) Spruson & Ferguson

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(71) Ampyx Power B.V.  
 (11) AU-A-2023263554  
 (21) 2023263554 (22) 10.11.2023  
 (54) Method for operation of a system for airborne wind energy production and respective system  
 (51) Int. Cl.  
*F03D 5/00* ( 2006.01 )  
*F03D 7/02* ( 2006.01 )  
 (43) 30.11.2023  
 (62) 2017346349  
 (72) Sebastiaan Petra Jaak Engelen; Giovanni Licitra; Paul David William  
 (74) BOSH IP Pty Ltd

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2023263490  
 (21) 2023263490 (22) 08.11.2023  
 (54) Management system  
 (51) Int. Cl.  
*G06K 7/10* ( 2006.01 )  
*G06T 7/73* ( 2017.01 )  
*G07F 17/32* ( 2006.01 )  
 (43) 30.11.2023  
 (62) 2021286299  
 (72) Yasushi Shigeta  
 (74) Davies Collison Cave Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2023263546  
 (21) 2023263546 (22) 10.11.2023  
 (54) Devices and methods for accessing prevalent device functions  
 (51) Int. Cl.  
*G06F 1/32* ( 2019.01 )  
*G06F 3/0488* ( 2022.01 )  
*G06F 21/74* ( 2013.01 )  
*H04M 1/67* ( 2006.01 )  
*H04M 1/725* ( 2021.01 )  
 (43) 30.11.2023  
 (62) 2021212005  
 (72) Stephen O. Lemay; Christopher P. Foss; Richard R. Dellinger; Jonathan R. Dascola; Caelan G. Stack; Imran A. Chaudhri; Marcel Van Os; Arian Behzadi  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Arcadyan Technology Corporation  
 (11) AU-A-2023202911  
 (21) 2023202911 (22) 10.05.2023  
 (54) TRI-BAND ANTENNA MODULE  
 (51) Int. Cl.  
*H01Q 21/28* ( 2006.01 )  
*H01Q 1/24* ( 2006.01 )  
*H01Q 5/40* ( 2015.01 )

Applications Open to Public Inspection - Name Index cont'd

**H01Q 9/04** ( 2006.01 )  
**H01Q 21/08** ( 2006.01 )  
**H01Q 23/00** ( 2006.01 )  
**(31)** 111118223 **(32)** 16.05.22 **(33)** TW  
**(43)** 30.11.2023  
**(72)** LI, Ting-Ren; LO, Kuo-Chang  
**(74)** Churchill Attorneys

**(71)** Arena Pharmaceuticals, Inc.; Lucie H. Clapp  
**(11)** AU-A-2023263497  
**(21)** 2023263497 **(22)** 09.11.2023  
**(54)** Methods of treating PAH with combinations of ralinepag and other agents  
**(51)** Int. Cl.  
**A61K 45/06** ( 2006.01 )  
**A61K 31/192** ( 2006.01 )  
**A61K 31/325** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**A61K 31/513** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61P 9/12** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(43)** 30.11.2023  
**(62)** 2017357759  
**(72)** Lucie H. CLAPP; Dominic P. BEHAN; John W. ADAMS  
**(74)** FB Rice Pty Ltd

**(71)** Aristocrat Technologies, Inc.  
**(11)** AU-A-2023202950  
**(21)** 2023202950 **(22)** 11.05.2023  
**(54)** SPACE-EFFICIENT GRAPHICAL USER INTERFACE FOR GAMIFIED SALES  
**(51)** Int. Cl.  
**G07F 17/32** ( 2006.01 )  
**(31)** 17/663,014 **(32)** 11.05.22 **(33)** US  
**(43)** 30.11.2023  
**(72)** CHING, Erick; LaGUARDIA, Chad; BLACKWELL, Jamal; BAKER, Robert  
**(74)** Griffith Hack

**(71)** Aristocrat Technologies, Inc.  
**(11)** AU-A-2023202959  
**(21)** 2023202959 **(22)** 12.05.2023  
**(54)** MODULAR HOUSING FOR AN ELECTRONIC GAMING ASSEMBLY  
**(51)** Int. Cl.  
**A63F 13/25** ( 2014.01 )  
**G07F 17/32** ( 2006.01 )  
**(31)** 18/182,802 **(32)** 13.03.23 **(33)** US  
 63/342,492 16.05.22 US  
**(43)** 30.11.2023  
**(72)** URBAN, Bruce; TURGEL, Ariel; HARDEN, Daniel; PAULSEN, Craig  
**(74)** James & Wells Intellectual Property

**(71)** AstraZeneca UK Limited  
**(11)** AU-A-2023263537  
**(21)** 2023263537 **(22)** 10.11.2023  
**(54)** Systems and methods for dispensing a statin medication over the counter  
**(51)** Int. Cl.  
**G16H 10/20** ( 2018.01 )  
**G16H 20/10** ( 2018.01 )  
**G06Q 50/00** ( 2012.01 )

**(43)** 30.11.2023  
**(62)** 2017384494  
**(72)** Richard Skelly; Judy Firor; David Guiga; William Mongan; Robert Prybolsky; James Blasetto  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** AUSTMONT PTY LTD  
**(11)** AU-A-2022203209  
**(21)** 2022203209 **(22)** 13.05.2022  
**(54)** GFE Console wrapper  
**(51)** Int. Cl.  
**B65B 11/48** ( 2006.01 )  
**B65B 51/10** ( 2006.01 )  
**B65B 61/10** ( 2006.01 )  
**H05B 3/00** ( 2006.01 )

**(43)** 30.11.2023  
**(72)** Buda, Claude; Mackenzie, Brett  
**(74)** AUSTMONT PTY LTD

**(71)** Barrick Gold Corporation  
**(11)** AU-A-2023263570  
**(21)** 2023263570 **(22)** 10.11.2023  
**(54)** METHOD FOR RECOVERING PRECIOUS METALS FROM THIOSULFATE LEACH SOLUTIONS  
**(51)** Int. Cl.  
**C22B 3/12** ( 2006.01 )  
**B01D 11/02** ( 2006.01 )  
**C22B 3/42** ( 2006.01 )  
**C22B 11/00** ( 2006.01 )

**(43)** 30.11.2023  
**(62)** 2020288876  
**(72)** Allen Robert Morris; Tyler Warnock Carroll  
**(74)** Madderns Pty Ltd

**(71)** Baxter Corporation Englewood  
**(11)** AU-A-2023263487  
**(21)** 2023263487 **(22)** 08.11.2023  
**(54)** MANAGEMENT OF MEDICATION PREPARATION WITH DYNAMIC PROCESSING  
**(51)** Int. Cl.  
**G06Q 50/22** ( 2018.01 )

**(43)** 30.11.2023  
**(62)** 2021229197  
**(72)** Bhavesh S PADMANI; Ghalib A AB-BASI; Matthew CROOKS; Maher F YASSINE; Babu L HIRAVE  
**(74)** K&L Gates

**(71)** BCAL DIAGNOSTICS LIMITED  
**(11)** AU-A-2023258393  
**(21)** 2023258393 **(22)** 10.05.2023  
**(54)** Diagnostic signature  
**(51)** Int. Cl.  
**G01N 33/92** ( 2006.01 )  
**(31)** 2022901245 **(32)** 10.05.22 **(33)** AU  
 2022903097 20.10.22 AU  
**(43)** 30.11.2023  
**(72)** BATARSEH, Amani; PASCOVICI, Dana; BANSAL, Aruna  
**(74)** FB Rice Pty Ltd

**(71)** Begde, P.; Tripathi, A.; Bhatnagar, V.; Kumar, P.; Pal, R.  
**(11)** AU-A-2022203083  
**(21)** 2022203083 **(22)** 09.05.2022  
**(54)** Land Inquisitor (appropriate land finding app)  
**(51)** Int. Cl.  
**G06Q 50/16** ( 2012.01 )  
**G06Q 30/02** ( 2012.01 )  
**G06N 20/00** ( 2019.01 )  
**(43)** 30.11.2023  
**(72)** Begde, Prasad; Tripathi, Ashish; Bhatnagar, Vikas; Kumar, Pankaj; Pal, Rahul  
**(74)** Dr Prasad Begde

**(71)** Beijing Tusen Zhitu Technology Co., Ltd.  
**(11)** AU-A-2023202851  
**(21)** 2023202851 **(22)** 08.05.2023  
**(54)** System and method for transmitting data between a plurality of modules  
**(51)** Int. Cl.  
**G06F 13/00** ( 2006.01 )  
**(31)** 202210514821.1 **(32)** 12.05.22 **(33)** CN  
**(43)** 30.11.2023  
**(72)** JIANG, Ziyue; JIN, Jiangming  
**(74)** FB Rice Pty Ltd

**Bhatnagar, V. see Begde, P.**  
**(21)** 2022203083

**(71)** Bioniz Therapeutics, Inc.  
**(11)** AU-A-2023255027  
**(21)** 2023255027 **(22)** 27.10.2023  
**(54)** Modulating gamma-C-cytokine activity  
**(51)** Int. Cl.  
**C07K 7/08** ( 2006.01 )  
**A61K 38/20** ( 2006.01 )  
**C07K 14/55** ( 2006.01 )  
**C12N 15/24** ( 2006.01 )  
**C12N 15/26** ( 2006.01 )  
**(43)** 30.11.2023  
**(62)** 2021203530  
**(72)** Azimi, Nazli  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Block, Inc.  
**(11)** AU-A-2023263488  
**(21)** 2023263488 **(22)** 08.11.2023  
**(54)** Quick legend receipt system  
**(51)** Int. Cl.  
**G07G 1/12** ( 2006.01 )  
**G06Q 20/00** ( 2012.01 )  
**G06Q 20/20** ( 2012.01 )

**(43)** 30.11.2023  
**(62)** 2021266188  
**(72)** Bruce BELL; Mathew WILSON; Gerard KNIGHT  
**(74)** FB Rice Pty Ltd

**(71)** BL Technologies, Inc.  
**(11)** AU-A-2023258415  
**(21)** 2023258415 **(22)** 02.11.2023  
**(54)** FLOATING APPARATUS FOR MEMBRANE BIOFILM REACTOR AND PROCESS FOR WATER TREATMENT

Applications Open to Public Inspection - Name Index cont'd

(51) Int. Cl.  
**C02F 3/10** ( 2023.01 )  
**B01F 23/23** ( 2022.01 )  
**C02F 3/20** ( 2023.01 )  
(43) 30.11.2023  
(62) 2021221862  
(72) Pierre Lucien COTE; John David IRELAND; Nicholas William H. ADAMS; Steven Kristian PEDERSEN  
(74) Wallington-Dummer

(71) C&C GROUP S.R.L.  
(11) AU-A-2023203017  
(21) 2023203017 (22) 15.05.2023  
(54) Film gripping and releasing device for pallet wrapping machines and related method of operation  
(51) Int. Cl.  
**B65B 11/06** ( 2006.01 )  
**B25J 15/00** ( 2006.01 )  
**B65B 11/02** ( 2006.01 )  
(31) 102022000010052 (32) 16.05.22 (33) IT  
(43) 30.11.2023  
(72) CASADEI, Claudio  
(74) FB Rice Pty Ltd

Calico Life Sciences LLC see AbbVie Inc.  
(21) 2023263567

Cancer Research Technology Limited see The Institute of Cancer Research: Royal Cancer Hospital  
(21) 2023263501

(71) Canon Kabushiki Kaisha  
(11) AU-A-2023263551  
(21) 2023263551 (22) 10.11.2023  
(54) Cartridge and image forming apparatus  
(51) Int. Cl.  
**G03G 21/18** ( 2006.01 )  
(43) 30.11.2023  
(62) 2021269369  
(72) Naoki MATSUMARU; Ryuta MURAKAMI; Tadashi HORIKAWA; Akinobu HIRAYAMA; Daisuke MAKIGUCHI; Hiroaki NOSHO; Takuro KANNO; Goshi OZAKI; Tachio KAWAI; Daisuke ABE  
(74) Spruson & Ferguson

(71) Capital One Services, LLC  
(11) AU-A-2023258357  
(21) 2023258357 (22) 31.10.2023  
(54) Systems and methods for performing a reissue of a contactless card  
(51) Int. Cl.  
**G06Q 20/38** ( 2012.01 )  
(43) 30.11.2023  
(62) 2020343996  
(72) Jeffrey RULE; Daniel HERRINGTON; Rajko ILINCIC  
(74) GLMR

(71) Capital One Services, LLC  
(11) AU-A-2023263471

(21) 2023263471 (22) 08.11.2023  
(54) Using a contactless card to securely share personal data stored in a block-chain  
(51) Int. Cl.  
**G06Q 20/34** ( 2012.01 )  
**G06Q 20/40** ( 2012.01 )  
**G07F 7/08** ( 2006.01 )  
(43) 30.11.2023  
(62) 2020240098  
(72) Jeffrey RULE; Rajko ILINCIC; Kaitlin NEWMAN  
(74) GLMR

(71) Caterpillar Global Mining Equipment LLC  
(11) AU-A-2022203165  
(21) 2022203165 (22) 11.05.2022  
(54) Drill carousel for machine  
(51) Int. Cl.  
**E21B 19/14** ( 2006.01 )  
**E21B 7/02** ( 2006.01 )  
(43) 30.11.2023  
(72) Natarajan, Yagneshwar  
(74) FPA Patent Attorneys Pty Ltd

(71) CATERPILLAR INC.  
(11) AU-A-2023202487  
(21) 2023202487 (22) 24.04.2023  
(54) HOUSE SWING SENSOR FOLLOWER PINION  
(51) Int. Cl.  
**G01B 7/30** ( 2006.01 )  
**E02F 3/28** ( 2006.01 )  
**E02F 9/12** ( 2006.01 )  
**E02F 9/26** ( 2006.01 )  
**F16H 1/32** ( 2006.01 )  
**G01D 5/04** ( 2006.01 )  
(31) 177742,079 (32) 11.05.22 (33) US  
(43) 30.11.2023  
(72) ARMSTRONG, Vincent A.; CALLAWAY, Joshua D.; BRIGHT, Christopher E.; TERRY, Benjamin J.  
(74) FPA Patent Attorneys Pty Ltd

(71) Children's Medical Center Corporation  
(11) AU-A-2023214288  
(21) 2023214288 (22) 09.08.2023  
(54) MATERIALS AND METHODS FOR DELIVERING NUCLEIC ACIDS TO COCHLEAR AND VESTIBULAR CELLS  
(51) Int. Cl.  
**A61F 11/00** ( 2022.01 )  
**A61K 35/76** ( 2015.01 )  
**A61K 39/235** ( 2006.01 )  
**A61K 47/42** ( 2017.01 )  
**A61K 48/00** ( 2006.01 )  
**C12N 7/01** ( 2006.01 )  
(43) 30.11.2023  
(62) 2018215785  
(72) Holt, Jeffrey; Geleoc, Gwenaelle; Asai, Yukako  
(74) Southern Cross Intellectual Property

Commonwealth Scientific and Industrial Research Organisation see Cotton Seed Distributors Ltd  
(21) 2023263478

(71) Cooper, M.  
(11) AU-A-2023202929  
(21) 2023202929 (22) 11.05.2023  
(54) Improved Goggle Assembly  
(51) Int. Cl.  
**G02C 11/08** ( 2006.01 )  
**A61F 9/02** ( 2006.01 )  
(31) 2022901302 (32) 16.05.22 (33) AU  
(43) 30.11.2023  
(72) Cooper, Michael  
(74) Michael Buck IP

(71) Cotton Seed Distributors Ltd; Commonwealth Scientific and Industrial Research Organisation  
(11) AU-A-2023263478  
(21) 2023263478 (22) 08.11.2023  
(54) Cotton Variety Sicot 714B3F  
(51) Int. Cl.  
**A01H 5/00** ( 2018.01 )  
**A01H 4/00** ( 2006.01 )  
**A01H 5/10** ( 2018.01 )  
**C12N 15/82** ( 2006.01 )  
(43) 30.11.2023  
(62) 2016222448  
(72) Warwick Nigel Stiller  
(74) Davies Collison Cave Pty Ltd

(71) Covalon Technologies Ltd.  
(11) AU-A-2023263512  
(21) 2023263512 (22) 09.11.2023  
(54) Coating compositions, polymeric coatings, and methods  
(51) Int. Cl.  
**C09D 4/02** ( 2006.01 )  
**A61L 27/34** ( 2006.01 )  
**A61L 29/08** ( 2006.01 )  
**A61L 31/10** ( 2006.01 )  
(43) 30.11.2023  
(62) 2018241528  
(72) Daryl Sivakumaran; Darryl Knight; Vyacheslav Dudnyk; Valerio Ditizio  
(74) Davies Collison Cave Pty Ltd

(71) Covidien LP  
(11) AU-A-2023263543  
(21) 2023263543 (22) 10.11.2023  
(54) Handheld electromechanical surgical system  
(51) Int. Cl.  
**A61B 17/115** ( 2006.01 )  
(43) 30.11.2023  
(62) 2018203360  
(72) Patrick MOZDZIERZ; Ramiro CABRERA; Joseph EISINGER; Scott FIRTH; John HRYB; Stephen PAUL; Paul RICHARD; Anthony SGROI; David VALENTINE; Justin WILLIAMS  
(74) Spruson & Ferguson

Applications Open to Public Inspection - Name Index cont'd

- (71) Crispr Therapeutics AG  
(11) AU-A-2023254944  
(21) 2023254944 (22) 25.10.2023  
(54) MATERIALS AND METHODS FOR TREATMENT OF FRIEDREICH ATAXIA AND OTHER RELATED DISORDERS  
(51) Int. Cl.  
*C12N 9/22* ( 2006.01 )  
*A61K 48/00* ( 2006.01 )  
*C07K 14/47* ( 2006.01 )  
*C12N 15/113* ( 2010.01 )  
*C12N 15/90* ( 2006.01 )  
(43) 30.11.2023  
(62) 2017290614  
(72) Lundberg, Ante Sven; Kulkarni, Samarth; Klein, Lawrence; Padmanabhan, Hari Kumar  
(74) Pearce IP Pty Ltd
- 
- (71) Dabico Airport Solutions Germany GmbH  
(11) AU-A-2023203023  
(21) 2023203023 (22) 15.05.2023  
(54) POWER SUPPLY SYSTEM FOR AN AIRCRAFT SERVICE PIT  
(51) Int. Cl.  
*H02G 1/08* ( 2006.01 )  
*B64F 1/34* ( 2006.01 )  
*B64F 1/36* ( 2017.01 )  
(31) 22173619.2 (32) 16.05.22 (33) EM  
(43) 30.11.2023  
(72) NEES, Michael; BATHON, Albrecht  
(74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
- 
- (71) Dart Industries Inc.  
(11) AU-A-2023202472  
(21) 2023202472 (22) 24.04.2023  
(54) PORTABLE DRINK BLENDER  
(51) Int. Cl.  
*A47J 43/046* ( 2006.01 )  
*A47J 43/042* ( 2006.01 )  
*A47J 43/07* ( 2006.01 )  
*A47J 43/08* ( 2006.01 )  
(31) 17/744,544 (32) 13.05.22 (33) US  
(43) 30.11.2023  
(72) Ye, Junyu; De Vos, Wim; Vandaele, Ine M.K.; Schelfout, Sander; Backaert, Dimitri M.C.J.; De Zutter, Bavo  
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Dietatec Oy  
(11) AU-A-2023202969  
(21) 2023202969 (22) 12.05.2023  
(54) METHOD AND APPARATUS FOR MEASURING AND CONTROLLING TEMPERATURE IN A KETTLE  
(51) Int. Cl.  
*G01K 1/024* ( 2021.01 )  
*A47J 27/21* ( 2006.01 )  
*G01K 1/02* ( 2021.01 )  
(31) 22173323.1 (32) 13.05.22 (33) EP  
(43) 30.11.2023  
(72) Valtti, KLIPPI; Ville-Veikko, LITMANEN  
(74) Michael Buck IP
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- (71) du Blêt, G.  
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(72) MAYR, Stefan  
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*H01M 8/18* ( 2006.01 )  
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*H04W 4/30* ( 2018.01 )  
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*H04B 10/11* ( 2013.01 )  
*H04W 88/10* ( 2009.01 )  
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*A61K 31/706* ( 2006.01 )  
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*H04L 43/0829* ( 2022.01 )  
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*G06F 30/17* ( 2020.01 )  
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 (72) Hamaguchi, Kenichi; Inamura, Akinobu  
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*G08B 7/06* ( 2006.01 )  
*G08B 17/12* ( 2006.01 )  
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 (72) Liu, Man-Chee  
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 (51) Int. Cl.  
*G01B 21/04* ( 2006.01 )  
*B60R 11/04* ( 2006.01 )  
*G01B 11/27* ( 2006.01 )  
*G01M 11/06* ( 2006.01 )  
*G01S 7/497* ( 2006.01 )  
*G01S 13/931* ( 2020.01 )  
*G01S 17/931* ( 2020.01 )  
*G06T 7/73* ( 2017.01 )  
*G08G 1/16* ( 2006.01 )  
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 (72) CANTADORI, Andrea  
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 (51) Int. Cl.  
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*E04H 4/16* ( 2006.01 )  
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 (72) WITELSON, Shay; KEHATI, Avshalom  
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 (54) Assay apparatuses, methods and reagents  
 (51) Int. Cl.  
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*C12M 3/00* ( 2006.01 )  
*G01N 33/00* ( 2006.01 )  
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(71) Miles, S.  
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 (54) VEHICLE MIRRORS  
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 (54) Optical coupler for optical imaging visualization device  
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 (72) Scott Miller  
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*C07K 14/47* ( 2006.01 )  
*C12N 9/88* ( 2006.01 )  
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 (54) Cooling Pad  
 (51) Int. Cl.  
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 (54) Treatment and prevention of cytokine release syndrome using a chimeric antigen receptor in combination with a kinase inhibitor  
 (51) Int. Cl.  
*A61K 31/00* ( 2006.01 )  
*A61K 35/00* ( 2006.01 )  
*A61K 35/17* ( 2015.01 )  
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 (54) Liner Bolt  
 (51) Int. Cl.  
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*B02C 13/282* ( 2006.01 )  
*B02C 17/22* ( 2006.01 )  
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 (74) Armour IP

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 (54) IMMUNE-MODIFYING PARTICLES FOR THE TREATMENT OF INFLAMMATION  
 (51) Int. Cl.  
*A61K 9/14* ( 2006.01 )  
*A61K 31/74* ( 2006.01 )

*A61K 39/385* ( 2006.01 )  
 (43) 30.11.2023  
 (62) 2021221379  
 (72) Daniel Getts; Nicholas King  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Outreach Corporation  
 (11) AU-A-2023263553  
 (21) 2023263553 (22) 10.11.2023  
 (54) AUTOMATED COMMUNICATION IN AN EMAIL SYNCHRONIZATION AND WORKFLOW SYSTEM  
 (51) Int. Cl.  
*G06Q 10/10* ( 2023.01 )  
*G06Q 30/02* ( 2023.01 )  
*H04L 12/00* ( 2006.01 )  
*H04W 4/12* ( 2009.01 )  
 (43) 30.11.2023  
 (62) 2019252281  
 (72) Gordon L. HEMPTON; Wesley R. HATHER; Andrew S. KINZER; Manuel A. MEDINA  
 (74) Madderns Pty Ltd

Pal, R. see Begde, P.  
 (21) 2022203083

(71) PharmaEssentia Corporation  
 (11) AU-A-2022203154  
 (21) 2022203154 (22) 11.05.2022  
 (54) Method of Reducing TET2 Mutant Allele Burden  
 (51) Int. Cl.  
*A61K 38/21* ( 2006.01 )  
*A61K 47/60* ( 2017.01 )  
*A61P 7/00* ( 2006.01 )  
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*C07K 14/56* ( 2006.01 )  
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 (72) Lin, Ko-Chung; Kralovics, Robert  
 (74) Eagar & Associates Pty Ltd

(71) Phenix Real Time Solutions, Inc.  
 (11) AU-A-2023263484  
 (21) 2023263484 (22) 08.11.2023  
 (54) SIMULATING A LOCAL EXPERIENCE BY LIVE STREAMING SHARABLE VIEWPOINTS OF A LIVE EVENT  
 (51) Int. Cl.  
*H04L 65/611* ( 2022.01 )  
*G03B 19/18* ( 2021.01 )  
*G06F 3/01* ( 2006.01 )  
*G06T 13/40* ( 2011.01 )  
*H04N 5/76* ( 2006.01 )  
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*H04N 21/234* ( 2011.01 )

(43) 30.11.2023  
 (62) 2019217629  
 (72) Fabián BUSTAMANTE; Stefan BIRRER  
 (74) RnB IP Pty Ltd

(71) Powell, S.  
 (11) AU-A-2023263536  
 (21) 2023263536 (22) 10.11.2023  
 (54) Face shield assembly and method

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**A42B 1/018** ( 2021.01 )  
**A41D 13/11** ( 2006.01 )  
(43) 30.11.2023  
(62) 2021308188  
(72) Steven POWELL  
(74) Davies Collison Cave Pty Ltd

(71) Precision BioSciences, Inc.  
(11) AU-A-2023263542  
(21) 2023263542 (22) 10.11.2023  
(54) Engineered meganucleases specific for recognition sequences in the Hepatitis B virus genome

(51) Int. Cl.  
**C12N 9/22** ( 2006.01 )  
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(43) 30.11.2023  
(62) 2017342536  
(72) Derek Jantz; James Jefferson Smith  
(74) Davies Collison Cave Pty Ltd

(71) RASIC, L.M.  
(11) AU-A-2023202262  
(21) 2023202262 (22) 12.04.2023  
(54) Container with Pouring Spout

(51) Int. Cl.  
**B65D 25/42** ( 2006.01 )  
**B65D 1/20** ( 2006.01 )  
(31) 2022901263 (32) 12.05.22 (33) AU  
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(72) RASIC, Lidia  
(74) Wallington-Dummer

(71) RAYO 3D BIOTECH OY  
(11) AU-A-2022447729  
(21) 2022447729 (22) 30.11.2022  
(54) A METHOD AND SYSTEM FOR PRODUCING A PRINTABLE OBJECT

(51) Int. Cl.  
**B29C 64/00** ( 2017.01 )  
(31) PCT/ (32) 12.05.22 (33) FI  
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(72) VALLITTU, Pekka  
(74) Griffith Hack

(71) Rite-Hite Holding Corporation  
(11) AU-A-2023263541  
(21) 2023263541 (22) 10.11.2023  
(54) Impact resistant retractable safety barriers

(51) Int. Cl.  
**E01F 13/02** ( 2006.01 )  
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(62) 2020333960  
(72) Aaron J. WIEGEL; David SWIFT; Jason DONDLINGER; Joe KORMAN; Matthew Robert DWYER; Tony DUESING  
(74) WRAYS PTY LTD

(71) Ritmo S.P.A  
(11) AU-A-2023202828  
(21) 2023202828 (22) 05.05.2023  
(54) CONTAINER FOR HEATING PLATES FOR BUTT WELDING PIPES

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**B29C 65/18** ( 2006.01 )  
**B23K 3/04** ( 2006.01 )  
**B23K 31/02** ( 2006.01 )  
**B29C 65/30** ( 2006.01 )  
**H05B 3/30** ( 2006.01 )

(31) 102022000009908 (32) 13.05.22 (33) IT  
(43) 30.11.2023  
(72) Bortoli, Renzo; Apolinari, Alessandro  
(74) Madderns Pty Ltd

(71) Rovi Guides, Inc.  
(11) AU-A-2023263556  
(21) 2023263556 (22) 10.11.2023  
(54) Methods and systems for selecting supplemental content for display near a user device during presentation of a media asset on the user device

(51) Int. Cl.  
**H04N 21/41** ( 2011.01 )  
**G06F 3/147** ( 2006.01 )  
**G09G 3/00** ( 2006.01 )  
**H04N 21/4223** ( 2011.01 )  
**H04N 21/431** ( 2011.01 )  
**H04N 21/435** ( 2011.01 )  
**H04N 21/436** ( 2011.01 )  
**H04N 21/81** ( 2011.01 )

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(62) 2022203014  
(72) Edison LIN  
(74) Spruson & Ferguson

(71) Safe Roll Pty Ltd  
(11) AU-A-2023222995  
(21) 2023222995 (22) 12.04.2023  
(54) A DEVICE FOR WINDING UP A HOSE

(51) Int. Cl.  
**B65H 54/58** ( 2006.01 )  
**A62C 33/04** ( 2006.01 )  
**B65H 54/44** ( 2006.01 )  
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(31) 2022901242 (32) 10.05.22 (33) AU  
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(43) 30.11.2023  
(72) SIMMONDS, MATTHEW; FEHLBERG, LARNDIS  
(74) LESICAR MAYNARD ANDREWS PTY LTD

(71) Samsung Electronics Co., Ltd.  
(11) AU-A-2023263467  
(21) 2023263467 (22) 08.11.2023  
(54) DEVICE AND METHOD FOR ENCODING MOTION VECTOR, AND DEVICE AND METHOD FOR DECODING MOTION VECTOR

(51) Int. Cl.  
**H04N 19/513** ( 2014.01 )  
**H04N 19/105** ( 2014.01 )  
**H04N 19/176** ( 2014.01 )  
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(43) 30.11.2023  
(62) 2021253227  
(72) Minwoo Park; Minsoo Park; Kwangpyo Choi; Kiho Choi; Yinji Piao  
(74) PHILLIPS ORMONDE FITZPATRICK

(71) See-Out Pty Ltd.  
(11) AU-A-2023263508  
(21) 2023263508 (22) 09.11.2023  
(54) Image classification and labeling

(51) Int. Cl.  
**G06N 3/02** ( 2006.01 )  
**G06T 1/40** ( 2006.01 )  
(43) 30.11.2023  
(62) 2021203831  
(72) Sandra MAU; Sabesan SIVAPALAN  
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(71) Sentek Pty Ltd  
(11) AU-A-2022203130  
(21) 2022203130 (22) 10.05.2022  
(54) METHOD OF DETERMINATION OF WATER STRESS IN ONE OR MORE PLANTS IN A CROP LOCATED IN THE VICINITY OF A SOIL MOISTURE SENSOR ARRAY AND KNOWLEDGE OF ETO

(51) Int. Cl.  
**A01G 25/16** ( 2006.01 )  
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**G01N 27/04** ( 2006.01 )  
**G01N 27/12** ( 2006.01 )  
**G01N 27/22** ( 2006.01 )  
**G01N 33/00** ( 2006.01 )  
**G01N 33/24** ( 2006.01 )  
**A01C 21/00** ( 2006.01 )  
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(61) 2018319222  
(72) Buss, Peter  
(74) Madderns Pty Ltd

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(21) 2023202990

(71) SIEMAG TECBERG GmbH  
(11) AU-A-2023202809  
(21) 2023202809 (22) 05.05.2023  
(54) BRAKE SYSTEM FOR USE IN SHAFT AND INCLINED CONVEYOR SYSTEMS

(51) Int. Cl.  
**B66D 5/28** ( 2006.01 )  
**B66D 5/02** ( 2006.01 )  
**B66D 5/30** ( 2006.01 )  
(31) LU102951 (32) 10.05.22 (33) LU  
(43) 30.11.2023  
(72) STAR#KLOW, Sergej; AUGUST, Sergej  
(74) SOUTHERN CROSS INTELLECTUAL PROPERTY PTY LTD

(71) Speedrack Co., Ltd.  
(11) AU-A-2023202206  
(21) 2023202206 (22) 11.04.2023  
(54) PREFABRICATED SHELF

(51) Int. Cl.  
**A47B 47/00** ( 2006.01 )  
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(43) 30.11.2023  
(72) YOON, Hyo Sang; KIM, Yoon Ki; HAN, Jae Koon; LEE, Jun Hyuk  
(74) LAMINAR IP PTY LTD

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(71) Stryker Corporation  
 (11) AU-A-2023263565  
 (21) 2023263565 (22) 10.11.2023  
 (54) Sterile barrier assembly, mounting system, and method for coupling surgical components  
 (51) Int. Cl.  
**A61B 46/10** ( 2016.01 )  
**A61B 34/00** ( 2016.01 )  
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 (62) 2021203414  
 (72) James E. Flatt; Douglas A. Staunton; Matthew B. Pastrick  
 (74) Davies Collison Cave Pty Ltd

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(71) Techtronic Cordless GP  
 (11) AU-A-2023202936  
 (21) 2023202936 (22) 11.05.2023  
 (54) Robotic tool and charging station  
 (51) Int. Cl.  
**A01D 34/00** ( 2006.01 )  
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**H02J 7/00** ( 2006.01 )  
 (31) 63/341,223 (32) 12.05.22 (33) US  
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 (72) LAI, Hok Sum Sam; CHOI, Man Ho; NG, Ho Lam; LI, Shing Hin  
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 (51) Int. Cl.  
**C07C 309/01** ( 2006.01 )  
**A61K 9/127** ( 2006.01 )  
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 (62) 2022202140  
 (72) Daniel J. Siegwart; Jason B. Miller  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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 (21) 2023263573

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(71) The Fynder Group, Inc.  
 (11) AU-A-2023263566  
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 (54) FOOD MATERIALS COMPRISING FILAMENTOUS FUNGAL PARTICLES AND MEMBRANE BIOREACTOR DESIGN  
 (51) Int. Cl.  
**A23C 9/12** ( 2006.01 )  
**A23G 9/36** ( 2006.01 )  
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 (72) Richard Eugene MACUR; Yuval Charles AVNIEL; Renata Usaite BLACK; Maximilian DeVane HAMILTON; Michael John HARNEY; Eleanore Brophy ECKSTROM; Mark Andrew KOZUBAL  
 (74) Madderns Pty Ltd

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(71) The Institute of Cancer Research: Royal Cancer Hospital; Cancer Research Technology Limited  
 (11) AU-A-2023263501  
 (21) 2023263501 (22) 09.11.2023  
 (54) BCL6 inhibitors  
 (51) Int. Cl.  
**C07D 498/04** ( 2006.01 )  
**A61K 31/5383** ( 2006.01 )  
**A61K 31/5513** ( 2006.01 )  
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**A61K 31/554** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )  
**C07D 498/08** ( 2006.01 )  
**C07D 498/20** ( 2006.01 )  
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 (72) Benjamin Richard Bellenie; Kwai Ming Jack Cheung; Owen Alexander Davis; Swen Hoelder; Rosemary Huckvale; Gavin Collie; Mirco Meniconi; Alfie Brennan; Matthew Garth Lloyd  
 (74) FPA Patent Attorneys Pty Ltd

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(71) The Trustee for NAP Global Trust  
 (11) AU-A-2023202992  
 (21) 2023202992 (22) 12.05.2023  
 (54) Road Barrier Device  
 (51) Int. Cl.  
**E01F 9/646** ( 2016.01 )  
**E01F 9/529** ( 2016.01 )  
**E01F 9/553** ( 2016.01 )  
**E01F 13/06** ( 2006.01 )  
 (31) 2022901271 (32) 12.05.22 (33) AU  
 (43) 30.11.2023  
 (72) Calow, Bryce  
 (74) Trent Smith

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**The Trustees of the University of Pennsylvania see Novartis AG**  
 (21) 2023263469

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 (11) AU-A-2023229622  
 (21) 2023229622 (22) 18.09.2023  
 (54) Intrathecal Administration Of Adeno-Associated-Viral Vectors For Gene Therapy  
 (51) Int. Cl.  
**C07K 16/10** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**C07K 16/18** ( 2006.01 )

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 (72) Wison, James M.; Hinderer, Christian; Rothwell, William Thomas  
 (74) WRAYS PTY LTD

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 (11) AU-A-2022271400  
 (21) 2022271400 (22) 15.11.2022  
 (54) A TOOTH ANTI-STAINING COMPOSITION, KIT AND METHOD OF USING THE SAME  
 (51) Int. Cl.  
**A61K 8/87** ( 2006.01 )  
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**A61Q 11/00** ( 2006.01 )  
 (31) 111117925 (32) 12.05.22 (33) TW  
 (43) 30.11.2023  
 (72) LEE, CHUNG-LIN; LIN, ZHI-YUN  
 (74) Collison & Co

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 (11) AU-A-2023202649  
 (21) 2023202649 (22) 01.05.2023  
 (54) VEHICLE POWER SUPPLY SYSTEM  
 (51) Int. Cl.  
**B60L 9/00** ( 2019.01 )  
**B60L 50/60** ( 2019.01 )  
 (31) 18/299,175 (32) 12.04.23 (33) US  
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 (43) 30.11.2023  
 (72) Kumar, Ajith Kuttannair; Worden, Bret; McGarry, Jeremy Thomas  
 (74) PHILLIPS ORMONDE FITZPATRICK

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 (21) 2022203083

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(71) University of Iowa Research Foundation  
 (11) AU-A-2023263461  
 (21) 2023263461 (22) 08.11.2023  
 (54) AAV-MEDIATED EXPRESSION USING A SYNTHETIC PROMOTER AND ENHANCER  
 (51) Int. Cl.  
**C12N 15/86** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
 (43) 30.11.2023  
 (62) 2020289851  
 (72) John F. Engelhardt; Ziyang Yan  
 (74) PHILLIPS ORMONDE FITZPATRICK

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(71) Vitec, Inc.  
 (11) AU-A-2023263552  
 (21) 2023263552 (22) 10.11.2023  
 (54) Distribution and playback of media content  
 (51) Int. Cl.  
**H04N 21/2343** ( 2011.01 )  
**H04N 21/4402** ( 2011.01 )  
**H04N 21/6405** ( 2011.01 )  
**H04N 21/643** ( 2011.01 )  
**H04N 21/81** ( 2011.01 )

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**(43)** 30.11.2023  
**(62)** 2019222503  
**(72)** Eliezer GARTEN; Dror LUPU; Ran KENIG  
**(74)** FB Rice Pty Ltd

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**(71)** Walnab Pty Limited  
**(11)** AU-A-2023201619  
**(21)** 2023201619 **(22)** 15.03.2023  
**(54)** Service Tool for Coupling to a Service Port Receiver Associated with a Gear-box  
**(51)** Int. Cl.  
**F16L 37/44** ( 2006.01 )  
**F16K 15/18** ( 2006.01 )  
**F16L 37/24** ( 2006.01 )  
**F01M 11/04** ( 2006.01 )  
**(31)** 2022901252 **(32)** 11.05.22 **(33)** AU  
**(43)** 30.11.2023  
**(72)** Fretwell, Mark  
**(74)** Clark Intellectual Property Pty Ltd

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**(71)** WOOD ITALIANA S.R.L.  
**(11)** AU-A-2023202926  
**(21)** 2023202926 **(22)** 11.05.2023  
**(54)** HYDROGEN PRODUCTION PROCESS AND PLANT  
**(51)** Int. Cl.  
**C01B 3/48** ( 2006.01 )  
**(31)** 102022000009989 **(32)** 13.05.22 **(33)** IT  
**(43)** 30.11.2023  
**(72)** RUGGERI, Fabio; DEPETRI, Valentina; BRAMBILLA, Daniele; EBRAHIMI, Ashkan  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** Xard Group Pty Ltd  
**(11)** AU-A-2023263571  
**(21)** 2023263571 **(22)** 10.11.2023  
**(54)** DIGITAL TRANSACTION APPARATUS, SYSTEM, AND METHOD WITH A VIRTUAL COMPANION CARD  
**(51)** Int. Cl.  
**G06Q 20/10** ( 2012.01 )  
**G06K 19/06** ( 2006.01 )  
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**(43)** 30.11.2023  
**(62)** 2017381403  
**(72)** Robert Wilson; Mathieu Amiel  
**(74)** AUSTRALASIA IP PTY LTD

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**(71)** Ye, L.; Shen, G.  
**(11)** AU-A-2023202990  
**(21)** 2023202990 **(22)** 12.05.2023  
**(54)** Method for breeding cattle  
**(51)** Int. Cl.  
**A01K 67/02** ( 2006.01 )  
**A61K 31/5575** ( 2006.01 )  
**A61K 38/09** ( 2006.01 )  
**A01K 21/00** ( 2006.01 )  
**A01K 29/00** ( 2006.01 )  
**A61D 19/02** ( 2006.01 )  
**(31)** 2022901285 **(32)** 13.05.22 **(33)** AU

**(43)** 30.11.2023  
**(72)** YE, Linling; SHEN, Guichen  
**(74)** Spruson & Ferguson

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**(71)** Zahnow, R.  
**(11)** AU-A-2023202996  
**(21)** 2023202996 **(22)** 13.05.2023  
**(54)** SWIVEL ASSEMBLY FOR HOSE-DRAG LATERAL IRRIGATION SYSTEM  
**(51)** Int. Cl.  
**A01G 25/09** ( 2006.01 )  
**F16L 27/08** ( 2006.01 )  
**(31)** 2022901273 **(32)** 13.05.22 **(33)** AU  
**(43)** 30.11.2023  
**(72)** Zahnow, Russell  
**(74)** protectmyidea.com.au

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**(71)** Zarges GmbH  
**(11)** AU-A-2023204671  
**(21)** 2023204671 **(22)** 13.07.2023  
**(54)** LADDER  
**(51)** Int. Cl.  
**E06C 1/18** ( 2006.01 )  
**E06C 1/12** ( 2006.01 )  
**E06C 7/04** ( 2006.01 )  
**(31)** 20 2022 102 665.3 **(32)** 13.05.22 **(33)** DE  
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**(43)** 30.11.2023  
**(72)** Eierschmalz, Andreas; Geier, Manfred Matthäus  
**(74)** PHILLIPS ORMONDE FITZPATRICK

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<b>2023202824</b>	Gaylard, C.	<b>2023263508</b>	See-Out Pty Ltd.
<b>2023202828</b>	Ritmo S.P.A	<b>2023263512</b>	Covalon Technologies Ltd.
<b>2023202849</b>	Oldnall, C.	<b>2023263514</b>	ESS Tech, Inc.
<b>2023202851</b>	Beijing Tusen Zhitu Technology Co., Ltd.	<b>2023263536</b>	Powell, S.
<b>2023202872</b>	Einhell Germany AG	<b>2023263537</b>	AstraZeneca UK Limited
<b>2023202887</b>	HOWMEDICA OSTEONICS CORP.	<b>2023263541</b>	Rite-Hite Holding Corporation
<b>2023202911</b>	Arcadyan Technology Corporation	<b>2023263542</b>	Precision BioSciences, Inc.
<b>2023202926</b>	WOOD ITALIANA S.R.L.	<b>2023263543</b>	Covidien LP
<b>2023202928</b>	Einhell Germany AG	<b>2023263546</b>	Apple Inc.
<b>2023202929</b>	Cooper, M.	<b>2023263548</b>	Genentech, Inc.
<b>2023202936</b>	Techtronic Cordless GP	<b>2023263551</b>	Canon Kabushiki Kaisha
<b>2023202948</b>	HBI Branded Apparel Enterprises, LLC	<b>2023263552</b>	Vitec, Inc.
<b>2023202950</b>	Aristocrat Technologies, Inc.	<b>2023263553</b>	Outreach Corporation
<b>2023202959</b>	Aristocrat Technologies, Inc.	<b>2023263554</b>	Ampyx Power B.V.
<b>2023202964</b>	MAHLE International GmbH	<b>2023263555</b>	LG Electronics Inc.
<b>2023202969</b>	Dietatec Oy	<b>2023263556</b>	Rovi Guides, Inc.
<b>2023202990</b>	Ye, L.; Shen, G.	<b>2023263557</b>	NAKK (Bowral) Pty Ltd
<b>2023202992</b>	The Trustee for NAP Global Trust	<b>2023263560</b>	FAICZAK, J.
<b>2023202996</b>	Zahnw, R.	<b>2023263561</b>	LG Electronics Inc.
<b>2023203017</b>	C&C GROUP S.R.L.	<b>2023263565</b>	Stryker Corporation
<b>2023203023</b>	Dabico Airport Solutions Germany GmbH	<b>2023263566</b>	The Fynder Group, Inc.
<b>2023203059</b>	GUANGZHOU TUSUNNY HOME PRODUCTS CO., LTD.	<b>2023263567</b>	AbbVie Inc.; Calico Life Sciences LLC
<b>2023203384</b>	MAYTRONICS LTD.	<b>2023263570</b>	Barrick Gold Corporation
<b>2023203937</b>	FLOWSERVE PTE. LTD.	<b>2023263571</b>	Xard Group Pty Ltd
<b>2023204671</b>	Zarges GmbH	<b>2023263573</b>	Acceleron Pharma Inc.; The Brigham and Women's Hospital, Inc.
<b>2023214288</b>	Children's Medical Center Corporation		
<b>2023216811</b>	Imprenditore Pty Limited		
<b>2023222843</b>	JIANGNAN ENVIRONMENTAL TECHNOLOGY INC		
<b>2023222995</b>	Safe Roll Pty Ltd		
<b>2023229622</b>	The Trustees of The University of Pennsylvania		
<b>2023248106</b>	Mayo Foundation for Medical Education and Research; Exact Sciences Corporation		
<b>2023254863</b>	ImmunoForge Co., Ltd.		
<b>2023254944</b>	Crispr Therapeutics AG		
<b>2023255027</b>	Bioniz Therapeutics, Inc.		
<b>2023258353</b>	Electrolux Appliances Aktiebolag		
<b>2023258355</b>	Flexible Steel Lacing Company		
<b>2023258357</b>	Capital One Services, LLC		
<b>2023258393</b>	BCAL DIAGNOSTICS LIMITED		
<b>2023258410</b>	Miller, S.		
<b>2023258415</b>	BL Technologies, Inc.		
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**Innovation Patents Open to Public Inspection**

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- . (\*) Title not in Roman characters
  - . (\*\*) Title not given
- (This list may contain multiple listings of a patent where there are multiple patentees for that patent.)

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(71) Carill Pty Ltd  
 (11) AU-A-2018102252  
 (21) 2018102252 (22) 26.09.2018  
 (54) Emergency Communication System  
 (51) Int. Cl.  
     *H04W 4/02* ( 2018.01 )  
     *G08B 7/06* ( 2006.01 )  
     *G08B 21/02* ( 2006.01 )  
     *G08B 25/01* ( 2006.01 )  
     *H04W 4/029* ( 2018.01 )  
     *H04W 12/08* ( 2021.01 )  
     *H04W 48/04* ( 2009.01 )  
     *H04W 68/00* ( 2009.01 )  
     *H04W 68/04* ( 2009.01 )  
     *G01S 19/17* ( 2010.01 )  
     *G06F 21/36* ( 2013.01 )  
     *G06Q 50/26* ( 2012.01 )  
     *G08B 6/00* ( 2006.01 )  
     *G08B 25/00* ( 2006.01 )  
     *G08B 25/10* ( 2006.01 )  
     *H04W 4/90* ( 2018.01 )  
     *H04W 12/062* ( 2021.01 )  
     *H04W 88/02* ( 2009.01 )  
     *H04W 88/08* ( 2009.01 )  
 (31) 2017904092 (32) 10.10.17 (33) AU  
 (45) 30.11.2023  
 (72) Carney, Trent Matthew; O'Driscoll, Paul  
 (74) Alder IP Pty Ltd

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(71) PASTRO-CUSTOM AG Pty Ltd  
 (11) AU-A-2023100092  
 (21) 2023100092 (22) 25.10.2023  
 (54) A lineal air duct sprayer  
 (51) Int. Cl.  
     *B05B 12/18* ( 2018.01 )  
     *A01M 7/00* ( 2006.01 )  
     *B05B 7/00* ( 2006.01 )  
     *B05B 7/24* ( 2006.01 )  
 (45) 30.11.2023  
 (62) 2021106509  
 (72) PASTRO, John Emilio  
 (74) IP SOLVED (ANZ) PTY. LTD.

**Numerical Index**

**2018102252** Carill Pty Ltd  
**2023100092** PASTRO-CUSTOM AG Pty Ltd

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PCT applications which have entered the National Phase

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

<p>(71) 15 SECONDS OF FAME, INC.                      (11) AU-A-2022279124                      (21) 2022279124 (22) 17.05.2022                      (54) SYSTEM AND METHOD FOR PROVIDING MEDIA THAT REPRESENTS A PORTION OF AN EVENT TO A PORTABLE SUBSCRIBER DEVICE                      (51) Int. Cl.  <i>H04N 21/214</i> ( 2011.01 )  <i>H04L 67/52</i> ( 2022.01 )  <i>H04N 21/218</i> ( 2011.01 )  <i>H04N 21/2187</i> ( 2011.01 )  <i>H04N 21/254</i> ( 2011.01 )  <i>H04N 21/258</i> ( 2011.01 )  <i>H04N 21/414</i> ( 2011.01 )  <i>H04N 21/472</i> ( 2011.01 )  <i>H04N 21/4728</i> ( 2011.01 )  <i>H04N 21/845</i> ( 2011.01 )  <i>H04W 4/02</i> ( 2018.01 )                      (87) WO2022/245760                      (31) 63/189,407 (32) 17.05.21 (33) US                      (43) 24.11.2022                      (72) RESNICK, Adam; DONNENFELD, Gregg; MACKEY, Michael; SABITOV, Ruslan                      (74) Spruson &amp; Ferguson</p>	<p>(71) A.L.M HOLDING COMPANY                      (11) AU-A-2021446329                      (21) 2021446329 (22) 19.05.2021                      (54) MICROWAVE WASTE HEATING SYSTEM AND RELATED FEATURES                      (51) Int. Cl.  <i>H05B 6/70</i> ( 2006.01 )  <i>H05B 6/78</i> ( 2006.01 )                      (87) WO2022/245348                      (43) 24.11.2022                      (72) FREDERIXON, Drew J.; REINKE, Gerald H.; HEHIR, Jacob G.                      (74) Dark IP</p>	<p>VEMPATI, Sridhar; LENGERLI, Deniz; IBIS, Kubra; CRUZ, Emmanuel                      (74) Pearce IP Pty Ltd</p>
<p>(71) 25SEGMENTS AG                      (11) AU-A-2022277724                      (21) 2022277724 (22) 11.05.2022                      (54) EXPANDABLE INTERVERTEBRAL CAGE                      (51) Int. Cl.  <i>A61F 2/44</i> ( 2006.01 )  <i>A61F 2/46</i> ( 2006.01 )                      (87) WO2022/243133                      (31) 00549/21 (32) 17.05.21 (33) CH                      CH000135/2022 14.02.22 CH                      (43) 24.11.2022                      (72) FLURI, Daniel; FRIGG, Robert; BURKI, Patrick; FARSHAD, Mazda                      (74) James &amp; Wells Intellectual Property</p>	<p>(71) A.W. CHESTERTON COMPANY                      (11) AU-A-2022316121                      (21) 2022316121 (22) 19.07.2022                      (54) SPLIT POLYMER LABYRINTH SEAL ASSEMBLY                      (51) Int. Cl.  <i>F16J 15/00</i> ( 2006.01 )  <i>F16J 15/16</i> ( 2006.01 )  <i>F16J 15/34</i> ( 2006.01 )  <i>F16J 15/447</i> ( 2006.01 )                      (87) WO2023/003905                      (31) 63/223,426 (32) 19.07.21 (33) US                      (43) 26.01.2023                      (72) GRIMANIS, Michael, P.; KALESHIAN, Joseph, K.                      (74) Griffith Hack</p>	<p>(71) ABBVIE INC.                      (11) AU-A-2022328136                      (21) 2022328136 (22) 08.08.2022                      (54) NICOTINAMIDE RIPK1 INHIBITORS                      (51) Int. Cl.  <i>C07D 401/06</i> ( 2006.01 )  <i>A61K 31/455</i> ( 2006.01 )  <i>A61P 29/00</i> ( 2006.01 )  <i>C07D 405/06</i> ( 2006.01 )  <i>C07D 413/06</i> ( 2006.01 )  <i>C07D 417/06</i> ( 2006.01 )                      (87) WO2023/018643                      (31) 63/231,590 (32) 10.08.21 (33) US                      (43) 16.02.2023                      (72) CUSACK, Kevin, Patrick; HOEMANN, Michael, Zeller; KINSMAN, David, Andrew; OSMAN, Sami; STAMBULLI, James, Patrick; ARGIRIADI, Maria, Anastasia; O'REILLY, Ciaran; DEXTER, Hannah; FORDYCE, Euan; ST. GAL-LAY, Steve                      (74) Spruson &amp; Ferguson</p>
<p>(71) 4BASEBIO, S.L.U.; 4BASEBIO UK LTD                      (11) AU-A-2022265542                      (21) 2022265542 (22) 29.04.2022                      (54) LINEAR DNA WITH ENHANCED RESISTANCE AGAINST EXONUCLEASES                      (51) Int. Cl.  <i>C12Q 1/6853</i> ( 2018.01 )  <i>C12N 15/10</i> ( 2006.01 )  <i>C12Q 1/6865</i> ( 2018.01 )                      (87) WO2022/229460                      (31) 21382377.6 (32) 29.04.21 (33) EP                      (43) 03.11.2022                      (72) LANCKRIET, Heikki; PICHER, Ángel; WALKER, Amy                      (74) FB Rice Pty Ltd</p>	<p>(71) A2A PHARMACEUTICALS, INC.; ONCOCUBE THERAPEUTICS LLC                      (11) AU-A-2022256380                      (21) 2022256380 (22) 11.04.2022                      (54) COMPOSITIONS AND METHODS FOR TREATING CANCER                      (51) Int. Cl.  <i>C07D 401/12</i> ( 2006.01 )  <i>A61P 35/00</i> ( 2006.01 )  <i>C07D 401/14</i> ( 2006.01 )  <i>C07D 403/12</i> ( 2006.01 )  <i>C07D 403/14</i> ( 2006.01 )  <i>C07D 405/12</i> ( 2006.01 )  <i>C07D 405/14</i> ( 2006.01 )  <i>C07D 407/12</i> ( 2006.01 )  <i>C07D 407/14</i> ( 2006.01 )  <i>C07D 409/12</i> ( 2006.01 )  <i>C07D 409/14</i> ( 2006.01 )  <i>C07D 411/12</i> ( 2006.01 )  <i>C07D 411/14</i> ( 2006.01 )  <i>C07D 413/12</i> ( 2006.01 )  <i>C07D 413/14</i> ( 2006.01 )  <i>C07D 417/12</i> ( 2006.01 )  <i>C07D 417/14</i> ( 2006.01 )                      (87) WO2022/221194                      (31) 63/173,796 (32) 12.04.21 (33) US                      (43) 20.10.2022                      (72) LIM, Chaemin; BANOGLU, Erden; CALISKAN, Burcu; SAHIN, Ozgur;</p>	<p>(71) ACCRO BIOSCIENCE (HK) LIMITED                      (11) AU-A-2022288945                      (21) 2022288945 (22) 11.06.2022                      (54) HETEROARYL COMPOUNDS AS INHIBITORS OF TYK2, COMPOSITION AND APPLICATION THEREOF                      (51) Int. Cl.  <i>A61K 31/33</i> ( 2006.01 )  <i>C07D 223/14</i> ( 2006.01 )  <i>C07D 223/16</i> ( 2006.01 )  <i>A61K 31/00</i> ( 2006.01 )                      (87) WO2022/261524                      (31) 202110653751.3 (32) 11.06.21 (33) CN                      202210187387.0 28.02.22 CN                      (43) 15.12.2022                      (72) HE, Sudan; MA, Haikuo; ZHANG, Xiaohu                      (74) Davies Collison Cave Pty Ltd</p>
<p>(71) ACERGY FRANCE SAS                      (11) AU-A-2022264966                      (21) 2022264966 (22) 21.04.2022                      (54) MOORING RENEWABLE ENERGY SYSTEMS                      (51) Int. Cl.  <i>B63B 21/50</i> ( 2006.01 )                      (87) WO2022/229699                      (31) 2105912.6 (32) 26.04.21 (33) GB                      (43) 03.11.2022                      (72) VIELLARD, Brice Helier; LEGRAND, Mathurin Michel Pierre                      (74) Allens Patent &amp; Trade Mark Attorneys</p>	<p>(71) ACCRO BIOSCIENCE (HK) LIMITED                      (11) AU-A-2022288945                      (21) 2022288945 (22) 11.06.2022                      (54) HETEROARYL COMPOUNDS AS INHIBITORS OF TYK2, COMPOSITION AND APPLICATION THEREOF                      (51) Int. Cl.  <i>A61K 31/33</i> ( 2006.01 )  <i>C07D 223/14</i> ( 2006.01 )  <i>C07D 223/16</i> ( 2006.01 )  <i>A61K 31/00</i> ( 2006.01 )                      (87) WO2022/261524                      (31) 202110653751.3 (32) 11.06.21 (33) CN                      202210187387.0 28.02.22 CN                      (43) 15.12.2022                      (72) HE, Sudan; MA, Haikuo; ZHANG, Xiaohu                      (74) Davies Collison Cave Pty Ltd</p>	<p>(71) ACERGY FRANCE SAS                      (11) AU-A-2022264966                      (21) 2022264966 (22) 21.04.2022                      (54) MOORING RENEWABLE ENERGY SYSTEMS                      (51) Int. Cl.  <i>B63B 21/50</i> ( 2006.01 )                      (87) WO2022/229699                      (31) 2105912.6 (32) 26.04.21 (33) GB                      (43) 03.11.2022                      (72) VIELLARD, Brice Helier; LEGRAND, Mathurin Michel Pierre                      (74) Allens Patent &amp; Trade Mark Attorneys</p>

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 (11) AU-A-2022281056  
 (21) 2022281056 (22) 23.05.2022  
 (54) A PLURALITY OF TASQUINIMOD PARTICLES AND USE THEREOF  
 (51) Int. Cl.  
 A61K 9/14 ( 2006.01 )  
 A61K 31/4704 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 A61P 35/02 ( 2006.01 )  
 (87) WO2022/248401  
 (31) 21175623.4 (32) 25.05.21 (33) EP  
 (43) 01.12.2022  
 (72) WÄNNMAN, Hans  
 (74) Davies Collison Cave Pty Ltd

(71) ADVANCED ENERGY STORAGE, LLC  
 (11) AU-A-2022273538  
 (21) 2022273538 (22) 13.05.2022  
 (54) ACCUMULATOR WITH REINFORCING STRUCTURE  
 (51) Int. Cl.  
 F15B 1/02 ( 2006.01 )  
 B60K 6/12 ( 2006.01 )  
 F15B 1/08 ( 2006.01 )  
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 (87) WO2022/241184  
 (31) 63/188,008 (32) 13.05.21 (33) US  
 63/220,767 12.07.21 US  
 (43) 17.11.2022  
 (72) O'BRIEN, Jamie, A. M.; WARNER, Lance  
 (74) Spruson & Ferguson

(71) AGIOS PHARMACEUTICALS, INC.  
 (11) AU-A-2022267322  
 (21) 2022267322 (22) 28.04.2022  
 (54) METHODS FOR TITRATING MITAPIVAT  
 (51) Int. Cl.  
 A61K 31/4709 ( 2006.01 )  
 A61P 7/06 ( 2006.01 )  
 (87) WO2022/232460  
 (31) PCT/ (32) 08.02.22 (33) US  
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 (43) 03.11.2022  
 (72) BARBIER, Ann; BOWDEN, Christopher; HAWKINS, Peter; IYER, Varsha, Venkatachalam; JOUVIN, Marie-Helene  
 (74) Spruson & Ferguson

(71) AGROETIKA S. DE R. L. DE C. V.  
 (11) AU-A-2022257537  
 (21) 2022257537 (22) 20.01.2022  
 (54) METHOD FOR REDUCING CONTAMINATION IN DEHYDRATED PRODUCTS  
 (51) Int. Cl.  
 A23L 3/00 ( 2006.01 )  
 A23L 3/16 ( 2006.01 )  
 (87) WO2022/220671  
 (31) MX/a/2021/004306 (32) 14.04.21 (33) MX  
 (43) 20.10.2022  
 (72) MAZZOLO, Sergio Aldo  
 (74) MEYER WEST IP

(71) AIMA CO.,LTD.  
 (11) AU-A-2022273481  
 (21) 2022273481 (22) 10.05.2022  
 (54) GUIDE RNA FOR DETECTING ONCOGENIC MUTANT GENE AND USE THEREOF  
 (51) Int. Cl.  
 C12N 15/113 ( 2010.01 )  
 C12Q 1/6886 ( 2018.01 )  
 (87) WO2022/240143  
 (31) 10-2021-0061037 (32) 11.05.21 (33) KR  
 (43) 17.11.2022  
 (72) KIM, Hyongbum; KIM, Sangwoo; KIM, Hyeryun; SON, Hyeonju; GOPALAPPA, Ramu  
 (74) James & Wells Intellectual Property

(71) AIR COMPANY HOLDINGS, INC.  
 (11) AU-A-2022275869  
 (21) 2022275869 (22) 18.05.2022  
 (54) METHOD AND APPARATUS FOR SELECTIVE ALCOHOL UPGRADING  
 (51) Int. Cl.  
 C07C 1/02 ( 2006.01 )  
 C07C 9/14 ( 2006.01 )  
 (87) WO2022/245944  
 (31) 63/189,826 (32) 18.05.21 (33) US  
 (43) 24.11.2022  
 (72) SHEEHAN, Stafford W.; CHEN, Chi; STEINKE, Nicholas J.  
 (74) Davies Collison Cave Pty Ltd

(71) AKESO PHARMACEUTICALS, INC.; AD PHARMACEUTICALS CO., LTD.  
 (11) AU-A-2022258365  
 (21) 2022258365 (22) 14.04.2022  
 (54) USE OF ANTIBODY IN ANTI-TUMOR TREATMENT  
 (51) Int. Cl.  
 C07K 16/46 ( 2006.01 )  
 A61K 39/395 ( 2006.01 )  
 A61K 45/00 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 A61P 35/02 ( 2006.01 )  
 C12N 15/13 ( 2006.01 )  
 G01N 33/68 ( 2006.01 )  
 (87) WO2022/218383  
 (31) 202110404963.8 (32) 14.04.21 (33) CN  
 (43) 20.10.2022  
 (72) XIA, Yu; WANG, Zhongmin Maxwell; LI, Baiyong  
 (74) Spruson & Ferguson

(71) ALACS, LLC  
 (11) AU-A-2022246929  
 (21) 2022246929 (22) 07.04.2022  
 (54) AUTOMATED LAWN APPLICATION CONTROL SYSTEM AND METHODS THEREFOR  
 (51) Int. Cl.  
 A01B 69/04 ( 2006.01 )  
 G05D 1/02 ( 2020.01 )  
 (87) WO2022/212959  
 (31) 63/217,236 (32) 30.06.21 (33) US  
 (43) 06.10.2022  
 (72) MCCLURE JR., James G.; NEZHAD, Mehrdad Arefi; HASHEMI, Mehdi  
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

(71) ALETHIA BIOTHERAPEUTICS INC.  
 (11) AU-A-2021442702  
 (21) 2021442702 (22) 27.04.2021  
 (54) METHOD FOR ALLOWING IMMUNE CELLS INFILTRATION IN TUMORS  
 (51) Int. Cl.  
 A61K 39/395 ( 2006.01 )  
 A61K 31/337 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 A61P 35/04 ( 2006.01 )  
 A61P 37/02 ( 2006.01 )  
 C07D 305/14 ( 2006.01 )  
 C07K 16/18 ( 2006.01 )  
 (87) WO2022/226623  
 (43) 03.11.2022  
 (72) FILION, Mario  
 (74) FB Rice Pty Ltd

(71) ALETHIA BIOTHERAPEUTICS INC.  
 (11) AU-A-2022264619  
 (21) 2022264619 (22) 27.04.2022  
 (54) TUMOR INFILTRATING LYMPHOCYTES THERAPY  
 (51) Int. Cl.  
 A61K 35/17 ( 2015.01 )  
 A61K 31/337 ( 2006.01 )  
 A61K 39/395 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 A61P 35/04 ( 2006.01 )  
 C07D 305/14 ( 2006.01 )  
 C07K 16/18 ( 2006.01 )  
 C12N 5/078 ( 2010.01 )  
 (87) WO2022/226641  
 (31) 63/180,279 (32) 27.04.21 (33) US  
 (43) 03.11.2022  
 (72) FILION, Mario  
 (74) FB Rice Pty Ltd

(71) ALETHIA BIOTHERAPEUTICS INC.  
 (11) AU-A-2022266854  
 (21) 2022266854 (22) 26.04.2022  
 (54) METHOD FOR ALLOWING IMMUNE CELLS INFILTRATION IN TUMORS  
 (51) Int. Cl.  
 A61K 39/395 ( 2006.01 )  
 A61K 31/337 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 A61P 37/02 ( 2006.01 )  
 C07D 305/14 ( 2006.01 )  
 C07K 16/18 ( 2006.01 )  
 (87) WO2022/226637  
 (31) PCT/ (32) 27.04.21 (33) CA  
 CA2021/050572  
 (43) 03.11.2022  
 (72) FILION, Mario  
 (74) FB Rice Pty Ltd

(71) ALEXION PHARMACEUTICALS, INC.  
 (11) AU-A-2022283254  
 (21) 2022283254 (22) 24.05.2022  
 (54) KIDNEY ACTIVE FUSION PROTEINS AND METHODS OF TREATMENT USING THE SAME  
 (51) Int. Cl.  
 C07K 19/00 ( 2006.01 )  
 A61K 47/68 ( 2017.01 )

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

A61K 38/17 ( 2006.01 )  
 C07K 14/47 ( 2006.01 )  
 C07K 14/705 ( 2006.01 )  
 (87) WO2022/251168  
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 (43) 01.12.2022  
 (72) BOUCHARD, Keith; HUNTER, Jeffrey  
 William; ANDRIEN, JR, Bruce A.; KIM,  
 Sung-Kwon; CHANDLER, Julian  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) ALFA LAVAL MOATTI  
 (11) AU-A-2022272639  
 (21) 2022272639 (22) 06.05.2022  
 (54) FILTERING COMPONENT FOR A FIL-  
 TERING UNIT WITH BACKWASHING  
 (51) Int. Cl.  
 B01D 25/26 ( 2006.01 )  
 B01D 25/32 ( 2006.01 )  
 (87) WO2022/238254  
 (31) 21305621.1 (32) 12.05.21 (33) EP  
 (43) 17.11.2022  
 (72) NICOLLE, Adrien  
 (74) FB Rice Pty Ltd

(71) ALIA INSTRUMENTS HOLDING B.V.  
 (11) AU-A-2022279565  
 (21) 2022279565 (22) 25.05.2022  
 (54) DENSITY METER  
 (51) Int. Cl.  
 G01N 9/06 ( 2006.01 )  
 (87) WO2022/248576  
 (31) 21176299.2 (32) 27.05.21 (33) EP  
 (43) 01.12.2022  
 (72) PETERS, Jan  
 (74) Spruson & Ferguson

(71) ALKERMES, INC.  
 (11) AU-A-2022280804  
 (21) 2022280804 (22) 25.05.2022  
 (54) SUBSTITUTED CARBAMATE MAC-  
 ROCYCLIC COMPOUNDS AND RE-  
 LATED METHODS OF TREATMENT  
 (51) Int. Cl.  
 C07D 498/04 ( 2006.01 )  
 A61K 31/4353 ( 2006.01 )  
 A61P 21/00 ( 2006.01 )  
 A61P 43/00 ( 2006.01 )  
 (87) WO2022/251304  
 (31) 63/193,256 (32) 26.05.21 (33) US  
 (43) 01.12.2022  
 (72) PENNINGTON, Lewis, D.; CHOI,  
 Younggi; HUYNH, Hoan; AQUILA, Bri-  
 an, M.; MUGGE, Ingo, Andreas; HU,  
 Yuan; WOODS, James, R.; RAYMER,  
 Brian, Kenneth; BENTZIEN, Jörg, Mar-  
 tin; LEHMANN, Jonathan, Ward; HALE,  
 Michael, R.  
 (74) KINGS PATENT & TRADE MARKS AT-  
 TORNEYS PTY LTD

(71) ALKERMES, INC.  
 (11) AU-A-2022281345  
 (21) 2022281345 (22) 25.05.2022  
 (54) SUBSTITUTED FUSED BICYCLIC  
 MACROCYCLIC COMPOUNDS AND

RELATED METHODS OF TREAT-  
 MENT  
 (51) Int. Cl.  
 A61P 43/00 ( 2006.01 )  
 A61K 31/4162 ( 2006.01 )  
 A61K 31/4353 ( 2006.01 )  
 A61K 31/519 ( 2006.01 )  
 C07D 498/08 ( 2006.01 )  
 C07D 498/18 ( 2006.01 )  
 (87) WO2022/251302  
 (31) 63/193,243 (32) 26.05.21 (33) US  
 (43) 01.12.2022  
 (72) HUYNH, Hoan; PENNINGTON, Lewis,  
 D.; CHOI, Younggi; AQUILA, Brian, M.;  
 MUGGE, Ingo, Andreas; HU, Yuan;  
 WOODS, James, R.; RAYMER, Bri-  
 an, Kenneth; BENTZIEN, Jörg Martin;  
 LEHMANN, Jonathan Ward; HALE, Mi-  
 chael, R.  
 (74) KINGS PATENT & TRADE MARKS AT-  
 TORNEYS PTY LTD

(71) ALLOGENE THERAPEUTICS, INC.  
 (11) AU-A-2022292640  
 (21) 2022292640 (22) 15.06.2022  
 (54) SELECTIVE TARGETING OF HOST  
 CD70+ ALLOREACTIVE CELLS TO  
 PROLONG ALLOGENEIC CAR T CELL  
 PERSISTENCE  
 (51) Int. Cl.  
 A61K 39/00 ( 2006.01 )  
 A61K 35/17 ( 2015.01 )  
 A61P 35/00 ( 2006.01 )  
 C12N 5/10 ( 2006.01 )  
 (87) WO2022/266203  
 (31) 63/210,979 (32) 15.06.21 (33) US  
 63/351,223 10.06.22 US  
 (43) 22.12.2022  
 (72) LAURON, Elvin J.; PANOWSKI, Siler;  
 SASU, Barbra Johnson; SOMMER,  
 Cesar Adolfo; SRIVATSA SRINIVAS-  
 AN, Surabhi; VAN BLARCOM, Thomas  
 John; LANG, Shanshan  
 (74) Spruson & Ferguson

(71) AMARIN PHARMACEUTICALS IRE-  
 LAND LIMITED  
 (11) AU-A-2022263358  
 (21) 2022263358 (22) 19.04.2022  
 (54) METHODS OF REDUCING THE RISK  
 OF HEART FAILURE  
 (51) Int. Cl.  
 A61K 31/02 ( 2006.01 )  
 A61P 9/04 ( 2006.01 )  
 A61P 9/10 ( 2006.01 )  
 (87) WO2022/225896  
 (31) 63/177,723 (32) 21.04.21 (33) US  
 (43) 27.10.2022  
 (72) SONI, Paresh  
 (74) Spruson & Ferguson

(71) AMOVA GMBH  
 (11) AU-A-2022312095  
 (21) 2022312095 (22) 05.07.2022  
 (54) STORAGE AND RETRIEVAL UNIT  
 FOR A HIGH-BAY WAREHOUSE  
 (51) Int. Cl.  
 B65G 1/04 ( 2006.01 )  
 B65G 63/00 ( 2006.01 )

B65G 63/04 ( 2006.01 )  
 (87) WO2023/285197  
 (31) 10 2021 117 938.6 (32) 12.07.21 (33) DE  
 (43) 19.01.2023  
 (72) KLEIN, Bernd; BÜDENBENDER, Bernd  
 (74) McCabe and Company

(71) ANDRITZ AG  
 (11) AU-A-2022293782  
 (21) 2022293782 (22) 09.03.2022  
 (54) METHOD FOR REGULATING THE  
 ADDITION OF A FLOCCULANT TO A  
 SLUDGE  
 (51) Int. Cl.  
 C02F 11/14 ( 2019.01 )  
 C02F 1/52 ( 2023.01 )  
 C02F 1/00 ( 2023.01 )  
 (87) WO2022/263020  
 (31) A 50492/2021 (32) 18.06.21 (33) AT  
 (43) 22.12.2022  
 (72) TANZER, Alexander; SPIELMANN,  
 Christoph  
 (74) Spruson & Ferguson

(71) ANJARIUM BIOSCIENCES AG  
 (11) AU-A-2022260111  
 (21) 2022260111 (22) 19.04.2022  
 (54) COMPOSITIONS OF DNA MO-  
 LECULES ENCODING AMYLO-AL-  
 PHA-1, 6-GLUCOSIDASE, 4-AL-  
 PHA-GLUCANOTRANSFERASE,  
 METHODS OF MAKING THEREOF,  
 AND METHODS OF USE THEREOF  
 (51) Int. Cl.  
 C12N 9/10 ( 2006.01 )  
 A61K 38/47 ( 2006.01 )  
 A61P 3/00 ( 2006.01 )  
 C12N 9/44 ( 2006.01 )  
 (87) WO2022/223556  
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 (43) 27.10.2022  
 (72) DE BEER, Joel; MAURER, Monique;  
 MEIER, Nicolas; KUNALINGAM,  
 Lavaniya; CLERICI, Marcello  
 (74) FB Rice Pty Ltd

(71) ANTLIA BIOSCIENCE, INC.  
 (11) AU-A-2022272733  
 (21) 2022272733 (22) 16.05.2022  
 (54) MODIFIED B-TYPE NATRIURETIC  
 PEPTIDE  
 (51) Int. Cl.  
 C07H 21/04 ( 2006.01 )  
 C07K 1/107 ( 2006.01 )  
 C07K 14/575 ( 2006.01 )  
 (87) WO2022/241310  
 (31) 63/188,743 (32) 14.05.21 (33) US  
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 (72) SHANKLEY, Nigel Paul; JOHNSON,  
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 FRIEDRICH, Lars  
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**C07D 413/06** ( 2006.01 )  
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**H01Q 1/22** ( 2006.01 )  
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**C22C 38/32** ( 2006.01 )  
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**C08F 222/00** ( 2006.01 )  
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**C08L 53/00** ( 2006.01 )  
**C09D 5/00** ( 2006.01 )  
**C09D 7/61** ( 2018.01 )  
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 (54) NEW SUBSTITUTED PYRIDINES AS FUNGICIDES  
 (51) Int. Cl.  
**C07D 413/04** ( 2006.01 )  
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 C07D 401/14 ( 2006.01 )  
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**C12P 7/42** ( 2006.01 )  
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**A61P 25/00** ( 2006.01 )  
**A61P 25/08** ( 2006.01 )  
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**E21C 25/06** ( 2006.01 )  
**E21F 17/18** ( 2006.01 )  
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**(54)** TUNNELLING SYSTEM  
**(51)** Int. Cl.  
*E21C 25/06* ( 2006.01 )  
*E21D 9/10* ( 2006.01 )  
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*A61K 31/397* ( 2006.01 )  
*A61K 31/4523* ( 2006.01 )  
*A61P 25/00* ( 2006.01 )  
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**(51)** Int. Cl.  
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*A61P 35/00* ( 2006.01 )  
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**(54)** IRGD-ANALOGS AND RELATED THERAPEUTIC METHODS  
**(51)** Int. Cl.  
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**(74)** FPA Patent Attorneys Pty Ltd
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**(54)** COMBINED THERAPY USING ANTI-CD300C ANTIBODY  
**(51)** Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
*A61K 45/06* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*G01N 33/574* ( 2006.01 )  
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**(51)** Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
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*A61P 35/00* ( 2006.01 )  
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**C07C 2/08** ( 2006.01 )  
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**H01M 4/52** ( 2010.01 )  
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**A23C 9/12** ( 2006.01 )  
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(51) Int. Cl.  
**H01M 10/0525** ( 2010.01 )  
**C01D 5/00** ( 2006.01 )  
**C02F 1/58** ( 2023.01 )  
**C05D 1/02** ( 2006.01 )  
**C21C 5/28** ( 2006.01 )  
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**C22B 7/04** ( 2006.01 )  
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**H01M 10/54** ( 2006.01 )  
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**C12N 9/88** ( 2006.01 )  
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**A61L 24/04** ( 2006.01 )  
**A61B 17/56** ( 2006.01 )  
**A61B 17/88** ( 2006.01 )  
**C09J 7/25** ( 2018.01 )  
**C09J 7/30** ( 2018.01 )  
**C09J 11/04** ( 2006.01 )  
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(51) Int. Cl.  
A61K 31/519 ( 2006.01 )  
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A61K 45/06 ( 2006.01 )  
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AND METHODS OF MAKING THE  
SAME  
(51) Int. Cl.  
A01N 59/20 ( 2006.01 )  
A01N 25/08 ( 2006.01 )  
C08K 3/015 ( 2018.01 )  
C08K 3/40 ( 2006.01 )  
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C08B 37/00 ( 2006.01 )  
A23L 29/231 ( 2016.01 )  
C08J 3/075 ( 2006.01 )  
C08L 1/02 ( 2006.01 )  
C08L 5/06 ( 2006.01 )  
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A61K 31/37 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
C07F 9/54 ( 2006.01 )  
C12N 15/113 ( 2010.01 )  
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A61K 39/35 ( 2006.01 )  
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C07K 16/42 ( 2006.01 )  
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G01N 33/53 ( 2006.01 )  
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(51) Int. Cl.  
F42B 10/06 ( 2006.01 )  
F42B 10/08 ( 2006.01 )  
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(43) 17.11.2022  
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Brett E.; MAURER, Todd F.; DELLA  
TORRE, Paul; TUCHRELO, Robert;  
SMITH, Nathan E.; AAB, Richard T.  
(74) DAVIS IP PTY LTD
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- (71) CYRON, R.  
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(21) 2022275920 (22) 18.05.2022  
(54) RETAINER FOR AN ORTHODONTIC  
TREATMENT AND METHOD FOR  
PRODUCING A RETAINER OF THIS  
TYPE  
(51) Int. Cl.  
A61C 5/00 ( 2017.01 )  
A61C 7/00 ( 2006.01 )  
B33Y 80/00 ( 2015.01 )  
(87) WO2022/242800  
(31) 10 2021 112 795.5 (32) 18.05.21 (33) DE  
(43) 24.11.2022  
(72) CYRON, René  
(74) FPA Patent Attorneys Pty Ltd
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(11) AU-A-2022267168  
(21) 2022267168 (22) 28.04.2022  
(54) PIPE CONNECTION STRUCTURE  
AND REFRIGERATION CYCLE  
DEVICE  
(51) Int. Cl.  
F28F 1/00 ( 2006.01 )



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**F16L 47/02** ( 2006.01 )  
**F25B 41/40** ( 2021.01 )  
**F28F 9/18** ( 2006.01 )  
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**(31)** 2021-076060 **(32)** 28.04.21 **(33)** JP  
**(43)** 03.11.2022  
**(72)** NAKANO, Hiroyuki; YAMAMOTO, Atsushi; AGOU, Shouta; KOYAMA, Ryo  
**(74)** Spruson & Ferguson
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**(21)** 2022306049 **(22)** 07.07.2022  
**(54)** DEGRADERS OF WILD-TYPE AND MUTANT FORMS OF LRRK2 AND USES THEREOF  
**(51)** Int. Cl.  
**C07D 401/14** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**(87)** WO2023/283606  
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**(11)** AU-A-2022280041  
**(21)** 2022280041 **(22)** 25.05.2022  
**(54)** INTRAVAGINAL RING DEVICES  
**(51)** Int. Cl.  
**A61F 6/08** ( 2006.01 )  
**A61K 33/34** ( 2006.01 )  
**A61P 15/18** ( 2006.01 )  
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**(31)** 17/331,119 **(32)** 26.05.21 **(33)** US  
**(43)** 01.12.2022  
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**(74)** Dark IP
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**(11)** AU-A-2022280325  
**(21)** 2022280325 **(22)** 18.05.2022  
**(54)** SORTING SYSTEM AND METHOD FOR OPERATING SAME  
**(51)** Int. Cl.  
**B65G 47/04** ( 2006.01 )  
**B07C 1/00** ( 2006.01 )  
**(87)** WO2022/248306  
**(31)** 10 2021 113 886.8 **(32)** 28.05.21 **(33)** DE  
**(43)** 01.12.2022  
**(72)** MEURER, Hans Christoph  
**(74)** Griffith Hack
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**(11)** AU-A-2022267947  
**(21)** 2022267947 **(22)** 16.03.2022  
**(54)** METHOD AND DEVICE FOR MANUFACTURING SODIUM HYPOCHLORITE SOLUTION  
**(51)** Int. Cl.  
**C25B 1/26** ( 2006.01 )  
**C02F 1/42** ( 2023.01 )  
**C25B 1/46** ( 2006.01 )  
**C25B 9/21** ( 2021.01 )
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**C25B 15/08** ( 2006.01 )  
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**(72)** DOMON Hiroki; OHARA Masahiro; KATO Masaaki  
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**(11)** AU-A-2022256947  
**(21)** 2022256947 **(22)** 14.02.2022  
**(54)** METHOD FOR SEPARATING A THERMOFORMING MODEL FROM A FILM  
**(51)** Int. Cl.  
**A61C 7/08** ( 2006.01 )  
**B29C 51/08** ( 2006.01 )  
**B29C 51/36** ( 2006.01 )  
**(87)** WO2022/217297  
**(31)** A50268/2021 **(32)** 12.04.21 **(33)** AT  
**(43)** 20.10.2022  
**(72)** HUBER, Martin; WÖRMER-ALGMÜLLER, Alfons  
**(74)** FB Rice Pty Ltd
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**(11)** AU-A-2022277431  
**(21)** 2022277431 **(22)** 17.05.2022  
**(54)** SYSTEMS FOR DETERMINING SIMILARITY OF SEQUENCES OF GLUCOSE VALUES  
**(51)** Int. Cl.  
**G16H 40/63** ( 2018.01 )  
**G16H 50/20** ( 2018.01 )  
**G16H 50/70** ( 2018.01 )  
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**(31)** 63/189,469 **(32)** 17.05.21 **(33)** US  
**(43)** 24.11.2022  
**(72)** PARKER, Andrew; DERDZINSKI, Mark; JEPSON, Lauren; HEINTZMAN, Nathaniel; LEACH, Jacob  
**(74)** FB Rice Pty Ltd
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**(11)** AU-A-2022279144  
**(21)** 2022279144 **(22)** 17.05.2022  
**(54)** ADAPTIVE SYSTEMS FOR CONTINUOUS GLUCOSE MONITORING  
**(51)** Int. Cl.  
**G16H 40/40** ( 2018.01 )  
**A61B 5/145** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**G06F 3/0346** ( 2013.01 )  
**(87)** WO2022/245860  
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**(74)** FB Rice Pty Ltd
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**(11)** AU-A-2022265756  
**(21)** 2022265756 **(22)** 26.04.2022  
**(54)** INTERACTIVE AND DYNAMIC DIGITAL EVENT PROGRAM  
**(51)** Int. Cl.  
**G06Q 30/02** ( 2023.01 )  
**G06Q 10/02** ( 2012.01 )  
**G06Q 30/06** ( 2023.01 )  
**(87)** WO2022/232791  
**(31)** 17/302,233 **(32)** 27.04.21 **(33)** US  
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**(43)** 03.11.2022  
**(72)** FOWLER, Cameron; SULLIVAN, Matthew  
**(74)** Baxter Patent Attorneys Pty Ltd
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**(11)** AU-A-2022279282  
**(21)** 2022279282 **(22)** 20.05.2022  
**(54)** BAYONET REGISTRATION TOOL/ PROBE  
**(51)** Int. Cl.  
**A61B 34/20** ( 2016.01 )  
**(87)** WO2022/246209  
**(31)** 63/191,561 **(32)** 21.05.21 **(33)** US  
**(43)** 24.11.2022  
**(72)** KANUSKY, Thomas; SIU, Alan; FRIDMAN, Alan; MINNE, Stephen, C.; KOTIAN, Saurabh; POLCHIN, George  
**(74)** K&L Gates
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**(11)** AU-A-2022274725  
**(21)** 2022274725 **(22)** 11.05.2022  
**(54)** SOLAR PANEL FOR A ROADWAY, SOLAR ROADWAY AND METHOD OF CONSTRUCTING THE SOLAR PANELS  
**(51)** Int. Cl.  
**H02S 20/21** ( 2014.01 )  
**H01L 31/048** ( 2014.01 )  
**(87)** WO2022/238932  
**(31)** 2106699.8 **(32)** 11.05.21 **(33)** GB  
**(43)** 17.11.2022  
**(72)** MANGLES, Dominic  
**(74)** Anderson-Taylor & Associates
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- (71)** DOYLE, B.P.  
**(11)** AU-A-2022259104  
**(21)** 2022259104 **(22)** 13.04.2022  
**(54)** CONCEALABLE DOOR CASSETTE  
**(51)** Int. Cl.  
**D06F 57/12** ( 2006.01 )  
**A47G 25/06** ( 2006.01 )  
**A47G 25/14** ( 2006.01 )  
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**(72)** DOYLE, Brian Patrick; DOYLE, Patrick Anthony  
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(11) AU-A-2022258644  
(21) 2022258644 (22) 12.04.2022  
(54) USE OF GOSSYPOL AND A METHANE INHIBITOR FOR REDUCING THE FORMATION OF METHANE EMANATING FROM THE DIGESTIVE ACTIVITIES OF RUMINANTS  
(51) Int. Cl.  
A23K 20/105 ( 2016.01 )  
A23K 20/111 ( 2016.01 )  
A23K 20/179 ( 2016.01 )  
A23K 50/10 ( 2016.01 )  
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(21) 2022256813 (22) 12.04.2022  
(54) DEVICE  
(51) Int. Cl.  
A61M 25/09 ( 2006.01 )  
A61M 25/01 ( 2006.01 )  
A61M 25/06 ( 2006.01 )  
(87) WO2022/219295  
(31) 2105228.7 (32) 13.04.21 (33) GB  
(43) 20.10.2022  
(72) BOWMAN, George Henry Peter  
(74) Adams Pluck
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(21) 2022286618 (22) 31.05.2022  
(54) ANTISENSE OLIGONUCLEOTIDES (ASO) FOR EFFICIENT AND PRECISE RNA EDITING WITH ENDOGENOUS ADENOSINE DEAMINASE ACTING ON RNA (ADAR)  
(51) Int. Cl.  
C12N 15/113 ( 2010.01 )  
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(43) 08.12.2022  
(72) STAFFORST, Thorsten; MERKLE, Tobias; WETTENGEL, Jacqueline  
(74) RnB IP
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(11) AU-A-2022256419  
(21) 2022256419 (22) 14.04.2022  
(54) SYSTEMS, METHODS AND DEVICES FOR PROCESSING AND HANDLING PLASTERBOARD  
(51) Int. Cl.  
G01B 21/04 ( 2006.01 )  
B65G 25/02 ( 2006.01 )  
B65G 25/04 ( 2006.01 )  
B65G 57/02 ( 2006.01 )  
B65G 59/02 ( 2006.01 )  
B66C 1/02 ( 2006.01 )  
B66C 1/32 ( 2006.01 )  
E04F 21/18 ( 2006.01 )
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- (71) ECTOSENSE NV  
(11) AU-A-2022272462  
(21) 2022272462 (22) 11.05.2022  
(54) METHODS AND APPARATUS FOR DETECTING SLEEP DISORDERING EVENTS  
(51) Int. Cl.  
A61B 5/00 ( 2006.01 )  
A61B 5/0205 ( 2006.01 )  
A61B 5/1455 ( 2006.01 )  
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(31) 21173562.6 (32) 12.05.21 (33) EP  
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(72) MASSIE, Frederik; VAN PEE, Bart; VITS, Steven  
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(11) AU-A-2022272601  
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(54) SLURRY REMOVAL SYSTEM  
(51) Int. Cl.  
E21B 21/06 ( 2006.01 )  
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(72) WAHLGREN, Daniel  
(74) Murray Trento & Associates Pty Ltd
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(21) 2022276422 (22) 20.05.2022  
(54) IMPLANT-COUPLED SENSORS  
(51) Int. Cl.  
A61B 5/00 ( 2006.01 )  
A61B 5/0215 ( 2006.01 )  
A61F 2/24 ( 2006.01 )  
A61M 27/00 ( 2006.01 )  
(87) WO2022/246163  
(31) 63/224,286 (32) 21.07.21 (33) US  
63/225,039 23.07.21 US  
63/191,534 21.05.21 US  
63/235,038 19.08.21 US  
63/225,689 26.07.21 US  
(43) 24.11.2022  
(72) VALDEZ, Michael, G.; HINZMAN, Julie, Ann; MAHMOUDI, Rani, Abdullah; CHANG, Arvin, T.; AMEFIA, Kokou, Anani; MCCONNELL, Steven; RABBAH, Jean-Pierre, Michel; POOL, Scott, Louis  
(74) Spruson & Ferguson
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(21) 2022289854 (22) 06.06.2022  
(54) LEAFLETS AND LEAFLET SEPARATORS FOR PROSTHETIC VALVES  
(51) Int. Cl.  
A61F 2/24 ( 2006.01 )  
(87) WO2022/260979  
(31) 63/279,504 (32) 15.11.21 (33) US  
63/197,559 07.06.21 US  
63/324,795 29.03.22 US  
(43) 15.12.2022  
(72) LEVI, Tamir, S.; DVORSKY, Anatoly  
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(11) AU-A-2022328383  
(21) 2022328383 (22) 10.08.2022  
(54) CLIP WITH OPPOSED JAWS FOR LEFT ATRIAL APPENDAGE CLOSURE  
(51) Int. Cl.  
A61B 17/122 ( 2006.01 )  
A61B 17/128 ( 2006.01 )  
(87) WO2023/018768  
(31) 63/231,427 (32) 10.08.21 (33) US  
(43) 16.02.2023  
(72) MIRAKI, Manouchehr, A.; BALUYOT, Jaime, L.  
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- (71) EESTECH EUROPE HOLDINGS BV  
(11) AU-A-2022292184  
(21) 2022292184 (22) 14.06.2022  
(54) IMPROVED HYBRID SMELTING SYSTEM  
(51) Int. Cl.  
F27B 3/10 ( 2006.01 )  
F27B 3/20 ( 2006.01 )  
F27B 14/06 ( 2006.01 )  
F27B 14/14 ( 2006.01 )
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(11) AU-A-2022276425  
(21) 2022276425 (22) 20.05.2022  
(54) IMPLANT-ADJACENT SENSOR ANCHORING  
(51) Int. Cl.  
A61B 5/00 ( 2006.01 )  
A61B 5/0215 ( 2006.01 )  
A61F 2/24 ( 2006.01 )  
A61M 27/00 ( 2006.01 )  
(87) WO2022/246168  
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(43) 24.11.2022  
(72) MCCONNELL, Steven; POOL, Scott, Louis; MAHMOUDI, Rani, Abdullah; AMEFIA, Kokou, Anani; VALDEZ, Michael, G.; HINZMAN, Julie, Ann; CHANG, Arvin, T.; RABBAH, Jean-Pierre, Michel  
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(21) 2022289854 (22) 06.06.2022  
(54) LEAFLETS AND LEAFLET SEPARATORS FOR PROSTHETIC VALVES  
(51) Int. Cl.  
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(54) CLIP WITH OPPOSED JAWS FOR LEFT ATRIAL APPENDAGE CLOSURE  
(51) Int. Cl.  
A61B 17/122 ( 2006.01 )  
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(21) 2022292184 (22) 14.06.2022  
(54) IMPROVED HYBRID SMELTING SYSTEM  
(51) Int. Cl.  
F27B 3/10 ( 2006.01 )  
F27B 3/20 ( 2006.01 )  
F27B 14/06 ( 2006.01 )  
F27B 14/14 ( 2006.01 )

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<b>F27D 11/08</b> ( 2006.01 )	63/306,240	03.02.22	US	
<b>(87)</b> WO2022/264030	<b>(43)</b> 16.02.2023			<b>(51)</b> Int. Cl.
<b>(31)</b> 2108524.6	<b>(72)</b> HU, Jingdan; WU, Guanmin			<b>C12N 9/22</b> ( 2006.01 )
<b>(43)</b> 22.12.2022	<b>(74)</b> Davies Collison Cave Pty Ltd			<b>C12N 15/11</b> ( 2006.01 )
<b>(72)</b> LEHMAN, Chad Daniel; BAILEY, Murray James				<b>C12N 15/113</b> ( 2010.01 )
<b>(74)</b> PIPERS				<b>C12N 15/85</b> ( 2006.01 )
	<b>(71)</b> ELANCO US INC.			<b>(87)</b> WO2022/226215
<b>(71)</b> EIGHTH DAY FOODS HOLDINGS PTY LTD	<b>(11)</b> AU-A-2022283897			<b>(31)</b> 63/178,364
<b>(11)</b> AU-A-2022269042	<b>(21)</b> 2022283897	<b>(22)</b> 02.06.2022		<b>(32)</b> 22.04.21
<b>(21)</b> 2022269042	<b>(54)</b> METHODS OF INHIBITING BOVINE MASTITIS DURING THE DRY PERIOD			<b>(33)</b> US
<b>(54)</b> FERMENTED FOOD PRODUCTS	<b>(51)</b> Int. Cl.			63/211,123
<b>(51)</b> Int. Cl.	<b>A61P 15/14</b> ( 2006.01 )			<b>(43)</b> 27.10.2022
<b>A23L 11/50</b> ( 2021.01 )	<b>A61K 38/19</b> ( 2006.01 )			<b>(72)</b> IZHAR, Lior; MARBACH BAR, Nadav; ROCKAH, Liat; MERON, Nurit; ADIV TAL, Ophir; GISPAN, Ariel; BUCH, Idit
<b>A23L 11/00</b> ( 2021.01 )	<b>C07K 14/535</b> ( 2006.01 )			<b>(74)</b> FB Rice Pty Ltd
<b>(87)</b> WO2022/232880	<b>(87)</b> WO2022/256556			
<b>(31)</b> 2021901345	<b>(31)</b> 63/196,040	<b>(32)</b> 02.06.21	<b>(33)</b> US	<b>(71)</b> EMORY UNIVERSITY
<b>(43)</b> 10.11.2022	63/301,858	21.01.22	US	<b>(11)</b> AU-A-2022316138
<b>(72)</b> DREW, Roger David; DREW, Janine Mary	<b>(43)</b> 08.12.2022			<b>(21)</b> 2022316138
<b>(74)</b> FOUNDRY INTELLECTUAL PROPERTY PTY LTD	<b>(72)</b> CAIN, Joanna; STEELE, Mike; WAPENAAR, Wendela			<b>(22)</b> 21.07.2022
	<b>(74)</b> Spruson & Ferguson			<b>(54)</b> BAK ACTIVATORS, PHARMACEUTICAL COMPOSITIONS, AND USES IN TREATING CANCER
<b>(71)</b> ELANCO TIERGESUNDHEIT AG; BAYER ANIMAL HEALTH GMBH	<b>(71)</b> ELI LILLY AND COMPANY			<b>(51)</b> Int. Cl.
<b>(11)</b> AU-A-2022292096	<b>(11)</b> AU-A-2022277694			<b>A61K 31/33</b> ( 2006.01 )
<b>(21)</b> 2022292096	<b>(21)</b> 2022277694	<b>(22)</b> 19.05.2022		<b>A61K 31/4353</b> ( 2006.01 )
<b>(54)</b> (THI)OXAZOLINE PESTICIDES	<b>(54)</b> COMPOUNDS AND METHODS TARGETING EPIREGULIN			<b>A61K 31/4375</b> ( 2006.01 )
<b>(51)</b> Int. Cl.	<b>(51)</b> Int. Cl.			<b>(87)</b> WO2023/003990
<b>C07D 413/04</b> ( 2006.01 )	<b>C07K 16/26</b> ( 2006.01 )			<b>(31)</b> 63/224,112
<b>A01N 43/80</b> ( 2006.01 )	<b>A61K 39/00</b> ( 2006.01 )			<b>(32)</b> 21.07.21
<b>C07D 413/14</b> ( 2006.01 )	<b>A61K 39/395</b> ( 2006.01 )			<b>(33)</b> US
<b>(87)</b> WO2022/263530	<b>A61P 25/02</b> ( 2006.01 )			<b>(43)</b> 26.01.2023
<b>(31)</b> 63/211,486	<b>A61P 29/00</b> ( 2006.01 )			<b>(72)</b> DENG, Xingming
<b>(43)</b> 22.12.2022	<b>(87)</b> WO2022/246078			<b>(74)</b> Pizeys Patent and Trade Mark Attorneys Pty Ltd
<b>(72)</b> DUCRAY, Pierre; RAGEOT, Denise; TURBERG, Andreas	<b>(31)</b> 63/191,496	<b>(32)</b> 21.05.21	<b>(33)</b> US	
<b>(74)</b> Davies Collison Cave Pty Ltd	<b>(43)</b> 24.11.2022			<b>(71)</b> ENDOMAGNETICS LTD.
	<b>(72)</b> BEIDLER, Catherine Brautigam; BOYLES, Jeffrey Streetman; GIRARD, Daniel Scott; HARLAN, Shannon Marie; JOHNSON, Michael Parvin			<b>(11)</b> AU-A-2022381847
	<b>(74)</b> Spruson & Ferguson			<b>(21)</b> 2022381847
<b>(71)</b> ELANCO US, INC.	<b>(71)</b> ELUCENT MEDICAL, INC.			<b>(22)</b> 03.11.2022
<b>(11)</b> AU-A-2022293478	<b>(11)</b> AU-A-2022277323			<b>(54)</b> IMPROVEMENTS IN OR RELATING TO IMPLANTABLE FERROMAGNETIC MARKERS
<b>(21)</b> 2022293478	<b>(21)</b> 2022277323	<b>(22)</b> 17.05.2022		<b>(51)</b> Int. Cl.
<b>(54)</b> CRYSTALLINE FORMS OF ISOXAZOLINE COMPOUND	<b>(54)</b> SYSTEMS AND METHODS FOR WIRELESS LOCALIZATION INTEGRATION			<b>A61B 90/00</b> ( 2016.01 )
<b>(51)</b> Int. Cl.	<b>(51)</b> Int. Cl.			<b>A61B 5/06</b> ( 2006.01 )
<b>C07D 261/04</b> ( 2006.01 )	<b>A61B 90/98</b> ( 2016.01 )			<b>G01R 33/16</b> ( 2006.01 )
<b>A01N 43/80</b> ( 2006.01 )	<b>G08B 5/22</b> ( 2006.01 )			<b>A61B 17/00</b> ( 2006.01 )
<b>(87)</b> WO2022/266244	<b>G08B 1/08</b> ( 2006.01 )			<b>(87)</b> WO2023/079293
<b>(31)</b> PCT/	<b>(87)</b> WO2022/245771			<b>(31)</b> 2115826.6
CN2021/100305	<b>(31)</b> 63/189,394	<b>(32)</b> 17.05.21	<b>(33)</b> US	<b>(32)</b> 03.11.21
<b>(43)</b> 22.12.2022	<b>(43)</b> 24.11.2022			<b>(33)</b> GB
<b>(72)</b> HAN, Lili; JIN, Qiaowen; ROBIN, Jennifer; DE PAUL, Susan Margaret; WU, Guanmin; HU, Jingdan; STIRM, Stephen	<b>(72)</b> HILTNER, Jason; FISHER, Adam; DEAN, Bryan			<b>(43)</b> 11.05.2023
<b>(74)</b> Davies Collison Cave Pty Ltd	<b>(74)</b> Davies Collison Cave Pty Ltd			<b>(72)</b> UDALE, Robinson; VILLAR, Gabriel
				<b>(74)</b> FB Rice Pty Ltd
<b>(71)</b> ELANCO US, INC.	<b>(71)</b> EMENDO BIO INC.			
<b>(11)</b> AU-A-2022326468	<b>(11)</b> AU-A-2022262623			<b>(71)</b> ENDOWAVE LTD.
<b>(21)</b> 2022326468	<b>(21)</b> 2022262623	<b>(22)</b> 21.04.2022		<b>(11)</b> AU-A-2022268592
<b>(54)</b> PROCESS FOR MAKING DIARYL ISOXAZOLINE DERIVATIVE	<b>(54)</b> NOVEL OMNI 117, 140, 150-158, 160-165, 167-177, 180-188, 191-198, 200, 201, 203, 205-209, 211-217, 219, 220, 222, 223, 226, 227, 229, 231-236,			<b>(21)</b> 2022268592
<b>(51)</b> Int. Cl.				<b>(22)</b> 04.05.2022
<b>C07D 413/04</b> ( 2006.01 )				<b>(54)</b> A MICROWAVE ABLATION PROBE
<b>(87)</b> WO2023/018806				<b>(51)</b> Int. Cl.
				<b>A61B 18/18</b> ( 2006.01 )
				<b>(87)</b> WO2022/233938
				<b>(31)</b> 21172155.0
				<b>(32)</b> 04.05.21
				<b>(33)</b> EP
				<b>(43)</b> 10.11.2022
				<b>(72)</b> RUVIO, Giuseppe; EATON-EVANS, Jimmy; HOGAN, Simon; CARR, Damian
				<b>(74)</b> KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD

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- (71) ENERGESIS PHARMACEUTICALS, INC.  
 (11) AU-A-2022276512  
 (21) 2022276512 (22) 20.05.2022  
 (54) METHODS AND COMPOSITIONS FOR INDUCING BROWN ADIPOGENESIS  
 (51) Int. Cl.  
*A61K 31/025* (2006.01)  
*A61K 31/19* (2006.01)  
*A61P 3/06* (2006.01)  
*A61P 3/10* (2006.01)  
 (87) WO2022/246230  
 (31) 63/191,271 (32) 20.05.21 (33) US  
 (43) 24.11.2022  
 (72) BOSS, Olivier D.; FREEMAN, Brian  
 (74) ALLENS PATENT & TRADE MARK ATTORNEYS
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- (71) ENI S.P.A.  
 (11) AU-A-2022297839  
 (21) 2022297839 (22) 23.06.2022  
 (54) WEC CONTROLLER, METHOD AND SYSTEM  
 (51) Int. Cl.  
*F03B 13/20* (2006.01)  
*F03B 15/00* (2006.01)  
 (87) WO2022/269529  
 (31) 102021000016634 (32) 24.06.21 (33) IT  
 (43) 29.12.2022  
 (72) ZAMPATO, Massimo; VANZAN, Daniele; MATTIAZZO, Giuliana; CAPELLO, Elisa; BRACCO, Giovanni; BONFANTI, Mauro  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) ENVIRO AMBIENT CORPORATION  
 (11) AU-A-2022258431  
 (21) 2022258431 (22) 13.04.2022  
 (54) SYSTEM AND METHODS FOR CARBON DIOXIDE CAPTURE AND RECOVERY  
 (51) Int. Cl.  
*B01D 53/14* (2006.01)  
*B01D 53/34* (2006.01)  
*B01D 53/50* (2006.01)  
 (87) WO2022/221365  
 (31) 63/174,313 (32) 13.04.21 (33) US  
 (43) 20.10.2022  
 (72) VERDOUW, Andrew; JOLLY, Sanjeev  
 (74) Spruson & Ferguson
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- (71) ERASCA, INC.  
 (11) AU-A-2022257020  
 (21) 2022257020 (22) 14.04.2022  
 (54) USES OF HETEROCYCLIC INHIBITORS OF ERK1/2  
 (51) Int. Cl.  
*A61K 31/506* (2006.01)  
*A61P 35/00* (2006.01)  
*A61P 35/04* (2006.01)  
 (87) WO2022/221547  
 (31) 63/176,131 (32) 16.04.21 (33) US  
 (43) 20.10.2022  
 (72) XUAN, Dawei; YANG, Xiao Qing; LIN, Wei  
 (74) Spruson & Ferguson
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- (71) ESSILOR INTERNATIONAL  
 (11) AU-A-2021448459  
 (21) 2021448459 (22) 31.05.2021  
 (54) METHOD FOR EVALUATING AT LEAST ONE LIGHT PROTECTION LEVEL OF AT LEAST ONE OPTICAL PRODUCT INTENDED TO FACE AN EYE OF A USER  
 (51) Int. Cl.  
*G01M 11/00* (2006.01)  
*G01N 21/00* (2006.01)  
*G16H 20/40* (2018.01)  
 (87) WO2022/254232  
 (43) 08.12.2022  
 (72) SCHERLEN, Anne-Catherine; BAR-RAU, Coralie; POPHILLAT, Olivier; MAURY, Hélène; DUMONT, Jean-Philippe; CASTILLO LLAVE, Mayara; DOUSSINAULT, Cécile; EHRISMANN, Camille  
 (74) Halfords IP
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- (71) F. HOFFMANN-LA ROCHE AG;  
 CHUGAI SEIYAKU KABUSHIKI KAISHA  
 (11) AU-A-2022288118  
 (21) 2022288118 (22) 07.06.2022  
 (54) COMBINATION THERAPY FOR CANCER TREATMENT  
 (51) Int. Cl.  
*A61K 31/495* (2006.01)  
*A61K 31/4184* (2006.01)  
*A61K 31/44* (2006.01)  
*A61K 31/4523* (2006.01)  
*A61K 31/502* (2006.01)  
*A61K 31/517* (2006.01)  
*A61K 45/06* (2006.01)  
*A61P 35/00* (2006.01)  
 (87) WO2022/258612  
 (31) 21178403.8 (32) 09.06.21 (33) EP  
 (43) 15.12.2022  
 (72) ECKMANN, Jan; FRIESS, Thomas; HERTING, Frank; IDE, Yusuke; TANAKA, Hiroshi; PETTAZZONI, Piergiorgio Francesco Tommaso; WICHMANN, Juergen  
 (74) Griffith Hack
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- (71) FAST BUILD SYSTEMS PTY LTD  
 (11) AU-A-2022279955  
 (21) 2022279955 (22) 17.05.2022  
 (54) FORMWORK SYSTEM & METHOD FOR FORMING A SLAB WITH A REBATE  
 (51) Int. Cl.  
*E04G 15/06* (2006.01)  
*E04G 11/06* (2006.01)  
*E04G 11/12* (2006.01)  
*E04G 17/04* (2006.01)  
*E04G 17/14* (2006.01)  
*E04G 17/16* (2006.01)  
 (87) WO2022/246499  
 (31) 2021901527 (32) 22.05.21 (33) AU  
 (43) 01.12.2022  
 (72) DEOLIVEIRA, Paul George; JONES, Alan Stephen  
 (74) Caska Intellectual Property Pty Ltd
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- (71) FIBROBIOLOGICS  
 (11) AU-A-2022271291  
 (21) 2022271291 (22) 06.05.2022  
 (54) INDUCTION OF TUMOR VASCULAR NECROSIS UTILIZING FIBROBLASTS  
 (51) Int. Cl.  
*A61K 35/44* (2015.01)  
*A61P 35/00* (2006.01)  
*C12N 5/071* (2010.01)  
*C12N 5/10* (2006.01)  
 (87) WO2022/236063  
 (31) 63/184,960 (32) 06.05.21 (33) US  
 (43) 10.11.2022  
 (72) ICHIM, Thomas; O'HEERON, Pete  
 (74) FB Rice Pty Ltd
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- (71) FLATOW, W.  
 (11) AU-A-2022328452  
 (21) 2022328452 (22) 13.07.2022  
 (54) ENCRYPTION SCHEME  
 (51) Int. Cl.  
*G06F 21/60* (2013.01)  
*G06F 21/62* (2013.01)  
*G06N 7/08* (2006.01)  
*H04L 9/00* (2022.01)  
*H04L 9/08* (2006.01)  
 (87) WO2023/019288  
 (31) 2021902586 (32) 18.08.21 (33) AU  
 (43) 23.02.2023  
 (72) FLATOW, Wolfgang  
 (74) Wolfgang Flatow
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- (71) FLEET SPACE TECHNOLOGIES PTY LTD  
 (11) AU-A-2022274664  
 (21) 2022274664 (22) 31.01.2022  
 (54) SEISMIC DATA ACQUISITION UNIT, METHOD, AND SYSTEM EMPLOYING THE SAME  
 (51) Int. Cl.  
*G01V 1/18* (2006.01)  
*G01S 19/01* (2010.01)  
*G01V 1/16* (2006.01)  
*G01V 1/22* (2006.01)  
*G01V 1/24* (2006.01)  
*G01V 1/28* (2006.01)  
*G01V 1/38* (2006.01)  
*G01V 1/52* (2006.01)  
 (87) WO2022/236357  
 (31) 2021901451 (32) 14.05.21 (33) AU  
 (43) 17.11.2022  
 (72) BORG, Braeden James; PEARSON, Matthew James; NARDINI, Flavia Tata; RZK, Alaa  
 (74) FB Rice Pty Ltd
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- (71) FLEXIBLE STEEL LACING COMPANY  
 (11) AU-A-2022277911  
 (21) 2022277911 (22) 19.05.2022  
 (54) GUIDED CARTRIDGE BELT CLEANER  
 (51) Int. Cl.  
*B65G 45/12* (2006.01)  
*B65G 45/00* (2006.01)  
*B65G 45/10* (2006.01)  
*B65G 45/14* (2006.01)  
*B65G 45/16* (2006.01)  
 (87) WO2022/246111  
 (31) 63/190,590 (32) 19.05.21 (33) US

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 (72) DEVRIES, Brett E.  
 (74) PHILLIPS ORMONDE FITZPATRICK

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(71) FLOWSERVE PTE. LTD.  
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 (21) 2023203937 (22) 03.05.2023  
 (54) PNEUMATIC STANDSTILL SHAFT SEAL  
 (51) Int. Cl.  
*F16J 15/32* (2016.01)  
 (31) 17/742,851 (32) 12.05.22 (33) US  
 (43) 30.11.2023  
 (72) WOLF, Johannes; NADOLSKI, Guenter; STEINMANN, Detlev Ulrich; SCHILLER, Michael; GOETZ, Oliver; KLEINER, Jonathan; VOGEL, Berthold  
 (74) Patent Attorney Services

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(71) FNV IP B.V.  
 (11) AU-A-2022275643  
 (21) 2022275643 (22) 20.05.2022  
 (54) METHOD AND SYSTEM FOR MAPPING A REGION  
 (51) Int. Cl.  
*G01S 15/89* (2006.01)  
*G01S 7/02* (2006.01)  
*G01S 7/35* (2006.01)  
*G01S 7/536* (2006.01)  
*G01S 13/00* (2006.01)  
*G01S 13/32* (2006.01)  
*G01S 13/34* (2006.01)  
*G01S 13/88* (2006.01)  
*G01S 13/89* (2006.01)  
*G01S 13/90* (2006.01)  
*G01S 15/00* (2020.01)  
*G01S 15/32* (2006.01)  
*G01S 15/88* (2006.01)  
 (87) WO2022/245217  
 (31) 2028276 (32) 21.05.21 (33) NL  
 (43) 24.11.2022  
 (72) JONGSMA, Arnoud Marc; KOVALENKO, Vsevolod Olegovich  
 (74) Spruson & Ferguson

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(71) FNV IP B.V.  
 (11) AU-A-2022277013  
 (21) 2022277013 (22) 20.05.2022  
 (54) METHOD AND SYSTEM FOR MAPPING A REGION  
 (51) Int. Cl.  
*G01S 15/89* (2006.01)  
*G01S 7/02* (2006.01)  
*G01S 7/35* (2006.01)  
*G01S 7/536* (2006.01)  
*G01S 13/00* (2006.01)  
*G01S 13/32* (2006.01)  
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*G01S 13/89* (2006.01)  
*G01S 13/90* (2006.01)  
*G01S 15/00* (2020.01)  
*G01S 15/32* (2006.01)  
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 (87) WO2022/245216  
 (31) 2028276 (32) 21.05.21 (33) NL  
 (43) 24.11.2022  
 (72) JONGSMA, Arnoud Marc; KOVALENKO, Vsevolod Olegovich  
 (74) Spruson & Ferguson

(71) FONDAZIONE TELETHON  
 (11) AU-A-2022274162  
 (21) 2022274162 (22) 12.05.2022  
 (54) VECTOR SYSTEM  
 (51) Int. Cl.  
*C12N 15/86* (2006.01)  
*C12N 15/87* (2006.01)  
 (87) WO2022/238556  
 (31) 21173687.1 (32) 12.05.21 (33) EP  
 (43) 17.11.2022  
 (72) AURICCHIO, Alberto; DELL'AQUILA, Fabio; TRAPANI, Ivana; FERLA, Rita  
 (74) FB Rice Pty Ltd

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(71) FORGE BIOLOGICS, INC.  
 (11) AU-A-2022272316  
 (21) 2022272316 (22) 13.05.2022  
 (54) ADENOVIRAL HELPER PLASMID  
 (51) Int. Cl.  
*A61K 35/761* (2015.01)  
*A61K 35/763* (2015.01)  
*A61K 38/16* (2006.01)  
*A61P 31/22* (2006.01)  
*C07K 14/005* (2006.01)  
*C07K 14/035* (2006.01)  
*C07K 14/075* (2006.01)  
*C12N 9/22* (2006.01)  
*C12Q 1/70* (2006.01)  
 (87) WO2022/241215  
 (31) 63/188,294 (32) 13.05.21 (33) US  
 (43) 17.11.2022  
 (72) DISMUKE, David  
 (74) Davies Collison Cave Pty Ltd

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(71) FORGE PROCESS SYSTEMS LIMITED  
 (11) AU-A-2021440977  
 (21) 2021440977 (22) 16.04.2021  
 (54) A DISPATCHABLE DATACENTRE ENERGY SYSTEM AND A METHOD OF OPERATION  
 (51) Int. Cl.  
*H02J 3/32* (2006.01)  
*G06F 1/26* (2006.01)  
*H02J 3/14* (2006.01)  
 (87) WO2022/218551  
 (43) 20.10.2022  
 (72) KELLY, Colin; BUDGE, Steven  
 (74) Spruson & Ferguson

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(71) FOUR PAWS PRODUCTS, LTD.  
 (11) AU-A-2022283993  
 (21) 2022283993 (22) 03.06.2022  
 (54) ADJUSTABLE NAIL TRIMMER  
 (51) Int. Cl.  
*A01K 13/00* (2006.01)  
*A01K 17/00* (2006.01)  
*A01K 29/00* (2006.01)  
*A45D 29/02* (2006.01)  
*A45D 29/04* (2006.01)  
*B26B 19/00* (2006.01)  
 (87) WO2022/256838  
 (31) 63/202,269 (32) 03.06.21 (33) US

(43) 08.12.2022  
 (72) AXELROD, Glen, S.; GAJRIA, Ajay; ECHEVERRI, Diana, M.  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

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(71) FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.  
 (11) AU-A-2021450924  
 (21) 2021450924 (22) 18.06.2021  
 (54) PROCESS FOR PREPARING POLYSACCHARIDE SULFATES, AND POLYSACCHARIDE SULFATE  
 (51) Int. Cl.  
*C08B 5/14* (2006.01)  
 (87) WO2022/262996  
 (43) 22.12.2022  
 (72) HETTRICH, Kay  
 (74) Spruson & Ferguson

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(71) FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH  
 (11) AU-A-2022273396  
 (21) 2022273396 (22) 10.05.2022  
 (54) HOLLOW-FIBRE MEMBRANE FILTER HAVING IMPROVED SEPARATION PROPERTIES  
 (51) Int. Cl.  
*B01D 63/02* (2006.01)  
*A61M 1/16* (2006.01)  
*B01D 63/08* (2006.01)  
 (87) WO2022/238374  
 (31) 10 2021 112 315.1 (32) 11.05.21 (33) DE  
 (43) 17.11.2022  
 (72) GASTAUER, Paul; KUGELMANN, Franz; PAUL, Michael; RUFFING, Andreas; VEIT, Tobias  
 (74) Davies Collison Cave Pty Ltd

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(71) FRIEDE & GOLDMAN, LLC D/B/A FRIEDE & GOLDMAN, LTD.  
 (11) AU-A-2022268885  
 (21) 2022268885 (22) 29.04.2022  
 (54) SYSTEMS AND METHODS FOR A RACK STRUCTURE FOR A TRANSPORT VESSEL ADAPTED FOR USE WITH AN OFFSHORE SELF-ELEVATING VESSEL  
 (51) Int. Cl.  
*E02B 17/02* (2006.01)  
*E02B 17/00* (2006.01)  
 (87) WO2022/235508  
 (31) 63/185,036 (32) 06.05.21 (33) US  
 (43) 10.11.2022  
 (72) LOVRIC, Ante; KAMP, Ernest, Gene, III; LITTMAN, Kyle, Alan  
 (74) Spruson & Ferguson

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(71) FUJITSU LIMITED  
 (11) AU-A-2021446660  
 (21) 2021446660 (22) 18.05.2021  
 (54) INFORMATION PROCESSING PROGRAM, INFORMATION PROCESSING METHOD, AND INFORMATION PROCESSING DEVICE  
 (51) Int. Cl.

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**(87)** WO2022/244089  
**(43)** 24.11.2022  
**(72)** KATAOKA, Masahiro; NAGAURA, Ryohei; MOGUSHI, Kaoru  
**(74)** Spruson & Ferguson

**(71)** FUSION PHARMACEUTICALS INC.  
**(11)** AU-A-2022282449  
**(21)** 2022282449 **(22)** 27.05.2022  
**(54)** 2,6-DICHLOROPHENYL ESTER COMPOUNDS AND USE THEREOF  
**(51)** Int. Cl.  
**A61K 31/13** ( 2006.01 )  
**A61K 31/33** ( 2006.01 )  
**A61K 31/435** ( 2006.01 )  
**A61K 31/495** ( 2006.01 )  
**(87)** WO2022/251612  
**(31)** 63/194,008 **(32)** 27.05.21 **(33)** US  
**(43)** 01.12.2022  
**(72)** MAHONEY, Stuart J.; JOHANSEN, Michael B.; GUEST, Matthew  
**(74)** Spruson & Ferguson

**(71)** FUTURES FINNS, LLC  
**(11)** AU-A-2022274122  
**(21)** 2022274122 **(22)** 11.05.2022  
**(54)** MEANS FOR REMOVABLY INSTALLING FINNS ON A BOARD FOR USE IN WATER SPORTS.  
**(51)** Int. Cl.  
**B63B 32/66** ( 2020.01 )  
**(87)** WO2022/240301  
**(31)** 776015 **(32)** 13.05.21 **(33)** NZ  
**(43)** 17.11.2022  
**(72)** MILLAR, Russell John  
**(74)** McCabe and Company

**(71)** GACW INCORPORATED  
**(11)** AU-A-2022278960  
**(21)** 2022278960 **(22)** 14.03.2022  
**(54)** WHEEL ASSEMBLY INCLUDING GAS SPRINGS WITH ASSOCIATED INTEGRAL HYDRAULIC DAMPERS AND RELATED METHODS  
**(51)** Int. Cl.  
**B60B 9/18** ( 2006.01 )  
**B60B 9/20** ( 2006.01 )  
**B60B 9/24** ( 2006.01 )  
**(87)** WO2022/245419  
**(31)** 63/190,929 **(32)** 20.05.21 **(33)** US  
 17/693,373 13.03.22 US  
**(43)** 24.11.2022  
**(72)** KEMENY, Zoltan  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** GANZ&GAR BUSINESS PASSION GMBH  
**(11)** AU-A-2021451114  
**(21)** 2021451114 **(22)** 16.06.2021  
**(54)** METHOD FOR MOUNTING A PHOTOVOLTAIC SYSTEM, AND MOUNTING SYSTEM FOR A PHOTOVOLTAIC SYSTEM  
**(51)** Int. Cl.  
**H02S 20/23** ( 2014.01 )

**F24S 25/37** ( 2018.01 )  
**(87)** WO2022/262972  
**(43)** 22.12.2022  
**(72)** GANZ, Jochen; WEILER, Walter  
**(74)** Adams Pluck

**(71)** GENENTECH, INC.  
**(11)** AU-A-2022273541  
**(21)** 2022273541 **(22)** 13.05.2022  
**(54)** METHODS FOR TREATMENT OF CD20-POSITIVE PROLIFERATIVE DISORDER WITH MOSUNETUZUMAB AND POLATUZUMAB VEDOTIN  
**(51)** Int. Cl.  
**A61P 35/02** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**(87)** WO2022/241235  
**(31)** 63/292,887 **(32)** 22.12.21 **(33)** US  
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**(43)** 17.11.2022  
**(72)** O'HEAR, Carol, Elaine; OKI, Yasuhiro; TO, Iris, Tranthuyngan  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** GENENTECH, INC.  
**(11)** AU-A-2022284188  
**(21)** 2022284188 **(22)** 03.06.2022  
**(54)** 2, 8-DIAZASPIRO [4.5] DECANE COMPOUNDS  
**(51)** Int. Cl.  
**C07D 471/04** ( 2006.01 )  
**A61K 31/59** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**A61P 11/06** ( 2006.01 )  
**C07D 519/00** ( 2006.01 )  
**(87)** WO2022/253341  
**(31)** PCT/ **(32)** 04.06.21 **(33)** CN  
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**(43)** 08.12.2022  
**(72)** MCKERRALL, Steven John; WONG, Alice Rose; CRAWFORD, James John; LEE, Wendy; LAI, Kwong Wah; PELLETIER, Guillaume; ROY, Stéphanie; WINTER, Dana Krystin; OKUMURA, Mikiko; DOREL, Ruth  
**(74)** Griffith Hack

**(71)** GENENTECH, INC.  
**(11)** AU-A-2022289017  
**(21)** 2022289017 **(22)** 10.06.2022  
**(54)** METHOD FOR TREATING CHRONIC OBSTRUCTIVE PULMONARY DISEASE WITH AN ST2 ANTAGONIST  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61P 37/06** ( 2006.01 )  
**G01N 33/577** ( 2006.01 )  
**(87)** WO2022/261417  
**(31)** 63/209,624 **(32)** 11.06.21 **(33)** US  
**(43)** 15.12.2022  
**(72)** GRIMBALDESTON, Michele Anne; MOHAN, Divya; YOUSUF, Ahmed; BRIGHTLING, Christopher; CHEUNG, Dorothy Sze-Wing; CHOY, David Fong  
**(74)** Griffith Hack

**(71)** GENENTECH, INC.  
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**(21)** 2022314729 **(22)** 15.07.2022  
**(54)** SULFONIMIDAMDE COMPOUNDS AND USES THEREOF  
**(51)** Int. Cl.  
**C07D 498/04** ( 2006.01 )  
**A61K 31/4188** ( 2006.01 )  
**A61P 1/00** ( 2006.01 )  
**A61P 1/16** ( 2006.01 )  
**A61P 5/00** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**A61P 17/00** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
**(87)** WO2023/004257  
**(31)** PCT/ **(32)** 19.07.21 **(33)** CN  
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**(43)** 26.01.2023  
**(72)** LAI, Kwong Wah; NILEWSKI, Christian; PASTOR, Richard M.; STIVALA, Craig  
**(74)** Griffith Hack

**(71)** GENEQUANTUM HEALTHCARE (SUZHOU) CO., LTD.  
**(11)** AU-A-2022259314  
**(21)** 2022259314 **(22)** 13.04.2022  
**(54)** LINKERS, CONJUGATES AND APPLICATIONS THEREOF  
**(51)** Int. Cl.  
**A61K 47/68** ( 2017.01 )  
**A61K 45/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 2/00** ( 2006.01 )  
**C07K 4/00** ( 2006.01 )  
**(87)** WO2022/218331  
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**(72)** QIN, Gang; SONG, Paul H.; HU, Mingyu  
**(74)** ALLENS PATENT & TRADE MARK ATTORNEYS

**(71)** GENERAL MILLS, INC.  
**(11)** AU-A-2021441444  
**(21)** 2021441444 **(22)** 19.04.2021  
**(54)** SHELF STABLE FOOD WITH FLAVOR  
**(51)** Int. Cl.  
**A23L 19/00** ( 2016.01 )  
**A23G 3/54** ( 2006.01 )  
**A23P 10/30** ( 2016.01 )  
**A23P 20/10** ( 2016.01 )  
**(87)** WO2022/225501  
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**(72)** HAN, Linghua, A.; HUBER, Jeffrey, T.; KITTLESON, Diana, Lee; IGO, Elizabeth, Lomauro; REDEMANN, Morgan; SIPPEL, Carly  
**(74)** FB Rice Pty Ltd

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 (51) Int. Cl.  
*A61K 48/00* ( 2006.01 )  
*A61K 39/02* ( 2006.01 )  
*A61K 39/12* ( 2006.01 )  
*C12N 15/86* ( 2006.01 )  
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 (31) 63/185,574 (32) 07.05.21 (33) US  
 (43) 10.11.2022  
 (72) MANGANIELLO, Matthew;  
 PARKHURST, Benjamin  
 (74) Griffith Hack

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 (54) NON-VIRAL DNA VECTORS FOR VACCINE DELIVERY  
 (51) Int. Cl.  
*A61K 39/12* ( 2006.01 )  
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*C12N 15/86* ( 2006.01 )  
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 (21) 2022273052 (22) 13.05.2022  
 (54) COMPOSITIONS AND METHODS FOR DETECTING HUMAN ADENOVIRUS NUCLEIC ACID  
 (51) Int. Cl.  
*C12Q 1/70* ( 2006.01 )  
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 (72) MOBERLY, Joshua Kalani  
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 (11) AU-A-2022258569  
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 (54) METHODS OF PERFUSION CULTURING A MAMMALIAN CELL  
 (51) Int. Cl.  
*C12N 5/071* ( 2010.01 )  
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(54) PRESSURE CONTROL VALVE  
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*F16K 27/02* ( 2006.01 )  
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 (31) 21171086.8 (32) 29.04.21 (33) EP  
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 (72) PETRY, Dirk; TREFZ, Oliver; CANTONI, Flavio  
 (74) FB Rice Pty Ltd

(71) GILEAD SCIENCES, INC.  
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 (54) COMBINATION MCL-1 INHIBITORS WITH ANTI-CANCER AGENTS  
 (51) Int. Cl.  
*A61K 31/337* ( 2006.01 )  
*A61K 31/519* ( 2006.01 )  
*A61K 31/52* ( 2006.01 )  
*A61K 31/522* ( 2006.01 )  
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*A61K 31/7068* ( 2006.01 )  
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*A61P 35/00* ( 2006.01 )  
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 (72) KENNEY, Thomas, F.; MATSON, Clinton, K.; VENKATARAMANI, Chandrasekar  
 (74) FPA Patent Attorneys Pty Ltd

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 (21) 2022275552 (22) 21.05.2022  
 (54) INTERGENERIC ENDOSPORE DISPLAY PLATFORMS, PRODUCTS AND METHODS  
 (51) Int. Cl.  
*A01H 3/00* ( 2006.01 )  
*C07K 14/195* ( 2006.01 )  
*C12N 1/20* ( 2006.01 )  
*C12N 15/62* ( 2006.01 )  
*C12N 15/74* ( 2006.01 )  
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 (72) CURTIS, Damian; MCCANN, Ryan; TIPTON, Kyle  
 (74) Davies Collison Cave Pty Ltd

(71) GIVAUDAN SA  
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 (54) FLAVOUR COMPOSITION  
 (51) Int. Cl.  
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 (72) CORDA, Giuseppe  
 (74) PHILLIPS ORMONDE FITZPATRICK

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 (54) PHOTO-ELECTROCHEMICAL CELL AND CORRESPONDING APPARATUS  
 (51) Int. Cl.  
*C25B 1/04* ( 2021.01 )  
*C25B 3/21* ( 2021.01 )  
*C25B 9/19* ( 2021.01 )  
*C25B 9/50* ( 2021.01 )  
*C25B 9/60* ( 2021.01 )  
*C25B 9/65* ( 2021.01 )  
 (87) WO2022/243845  
 (31) 102021000012830 (32) 18.05.21 (33) IT  
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 (72) MONTICELLI, Alessandro  
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(71) GREGORY, P.; JOHNSON, A.  
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 (21) 2022278861 (22) 18.05.2022  
 (54) HANDLEBAR EXTENSION APPARATUS AND ASSOCIATED BICYCLE EXERCISE ARRANGEMENT  
 (51) Int. Cl.  
*A63B 21/00* ( 2006.01 )  
*A63B 69/16* ( 2006.01 )  
*B62K 21/12* ( 2006.01 )  
*B62K 21/16* ( 2006.01 )  
*B62K 21/18* ( 2006.01 )  
 (87) WO2022/241514  
 (31) 2021901504 (32) 19.05.21 (33) AU  
 (43) 24.11.2022  
 (72) GREGORY, Peter; JOHNSON, Andrew  
 (74) Patenteur Pty Ltd

(71) GUANGZHOU BIOSEAL BIOTECH CO., LTD.; ETHICON, INC.  
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 (21) 2021440222 (22) 14.04.2021  
 (54) FLOWABLE HEMOSTATIC PASTE  
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*A61L 26/00* ( 2006.01 )  
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 (72) CHEN, Shuang; XIE, Tingwan; WANG, Yalin; LI, Yufu  
 (74) Spruson & Ferguson

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 (54) COMPUTER ARCHITECTURE FOR GENERATING AN INTEGRATED DATA REPOSITORY  
 (51) Int. Cl.  
*G16H 50/70* ( 2018.01 )  
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 (31) 63/196,609 (32) 03.06.21 (33) US  
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 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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 (21) 2022258818 (22) 15.03.2022  
 (54) HIGH SPRING FORCE SHUTTER FOR DYNAMIC SHADE, AND/OR ASSOCIATED METHODS  
 (51) Int. Cl.  
*E06B 9/264* (2006.01)  
*C23C 14/00* (2006.01)  
*C23C 14/08* (2006.01)  
*E06B 3/67* (2006.01)  
*E06B 9/40* (2006.01)  
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 (21) 2022272860 (22) 11.05.2022  
 (54) RESORCINOL DERIVATIVE AS A PHARMACEUTICALLY ACTIVE COMPOUND AND METHOD OF PREPARATION THEREOF  
 (51) Int. Cl.  
*C07C 39/42* (2006.01)  
*C07C 69/157* (2006.01)  
 (87) WO2022/238701  
 (31) 2106786.3 (32) 12.05.21 (33) GB  
 (43) 17.11.2022  
 (72) SILCOCK, Alan James; TSE, Karen Ka-Yen; OSBORNE, James Daniel; HINCHLIFFE, Paul Stuart; SHARPE, Andrew  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) GW RESEARCH LIMITED  
 (11) AU-A-2022275207  
 (21) 2022275207 (22) 12.05.2022  
 (54) RESORCINOLS, METHODS FOR THEIR MANUFACTURE, AND USES THEREOF  
 (51) Int. Cl.  
*A61P 25/08* (2006.01)  
*C07C 39/23* (2006.01)  
*C07C 39/42* (2006.01)  
*C07C 43/178* (2006.01)  
*C07C 255/15* (2006.01)  
*C07D 213/28* (2006.01)  
*C07D 231/02* (2006.01)  
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 (31) 2106787.1 (32) 12.05.21 (33) GB  
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 (72) SILCOCK, Alan James; TSE, Karen Ka-Yen; HINCHLIFFE, Paul Stuart; SHARPE, Andrew; SIMPSON, Iain David; PEACH, Joanne; LEVANTO, Stefano; MILLET, Antoine; MANN,INDERJIT, Singh  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) HADDAD, W.S.  
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 (54) SYSTEM AND METHOD FOR PERFORMING A PRESCRIBED BURN OF LAND CONTAINING VEGETATIVE GROUND FUEL  
 (51) Int. Cl.  
*A01M 15/00* (2006.01)  
*E01H 11/00* (2006.01)  
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 (43) 05.01.2023  
 (72) HADDAD, Waleed Sami  
 (74) Michael Buck IP
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- (71) HALLIBURTON ENERGY SERVICES, INC.  
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 (54) VENTURI ACTIVATED DOWNHOLE TORQUE LIMITER  
 (51) Int. Cl.  
*E21B 17/06* (2006.01)  
*E21B 7/10* (2006.01)  
*E21B 17/04* (2006.01)  
*E21B 34/06* (2006.01)  
 (87) WO2023/282889  
 (31) 17/368,286 (32) 06.07.21 (33) US  
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 (72) HANSON, Jon-Howard Elliott; DAVIS, Kyle  
 (74) Spruson & Ferguson
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- (71) HALLIBURTON ENERGY SERVICES, INC.  
 (11) AU-A-2021455600  
 (21) 2021455600 (22) 13.07.2021  
 (54) DAMPENING THE ACTUATION SPEED OF A DOWNHOLE TOOL  
 (51) Int. Cl.  
*E21B 17/07* (2006.01)  
*E21B 7/06* (2006.01)  
*E21B 17/22* (2006.01)  
*E21B 23/00* (2006.01)  
*E21B 43/12* (2006.01)  
*F16J 15/447* (2006.01)  
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 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) HALLIBURTON ENERGY SERVICES, INC.  
 (11) AU-A-2022309701  
 (21) 2022309701 (22) 11.07.2022  
 (54) WHIPSTOCK FOR USE WITH A MILL BIT INCLUDING VARYING MATERIAL REMOVAL RATES  
 (51) Int. Cl.  
*E21B 29/00* (2006.01)  
*E21B 7/06* (2006.01)  
*E21B 29/06* (2006.01)  
 (87) WO2023/287681  
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- (43) 19.01.2023  
 (72) DIETZ, Wesley P.; STEELE, David Joe; GRACE, Christopher  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) HALLIBURTON ENERGY SERVICES, INC.  
 (11) AU-A-2022312415  
 (21) 2022312415 (22) 11.07.2022  
 (54) MILL BIT INCLUDING VARYING MATERIAL REMOVAL RATES  
 (51) Int. Cl.  
*E21B 29/00* (2006.01)  
*E21B 7/06* (2006.01)  
*E21B 29/06* (2006.01)  
 (87) WO2023/287679  
 (31) 63/220,839 (32) 12.07.21 (33) US  
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 (43) 19.01.2023  
 (72) DIETZ, Wesley P.; STEELE, David Joe; GRACE, Christopher  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) HALTER USA INC.  
 (11) AU-A-2022282857  
 (21) 2022282857 (22) 24.05.2022  
 (54) ELECTRICAL STIMULUS CIRCUIT  
 (51) Int. Cl.  
*G01R 31/28* (2006.01)  
*A01K 15/04* (2006.01)  
*A01K 27/00* (2006.01)  
*H01F 19/08* (2006.01)  
*H01G 4/33* (2006.01)  
*H02M 3/18* (2006.01)  
*H03K 3/027* (2006.01)  
*H03K 3/53* (2006.01)  
*H03K 5/00* (2006.01)  
*H05C 1/00* (2006.01)  
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 (31) 2021901583 (32) 26.05.21 (33) AU  
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 (72) SARGAZIKOOSHEH, Masoud  
 (74) Origin Patent and Trade Mark Attorneys
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 (11) AU-A-2022302809  
 (21) 2022302809 (22) 30.06.2022  
 (54) THERAPEUTIC USE OF COMBINATION COMPRISING TRIPLE ACTIVATOR HAVING ACTIVITY ON ALL OF GLUCAGON, GLP-1 AND GIP RECEPTOR  
 (51) Int. Cl.  
*A61K 38/16* (2006.01)  
*A61K 31/7048* (2006.01)  
*A61K 38/26* (2006.01)  
*A61K 45/06* (2006.01)  
*A61K 47/60* (2017.01)  
*A61K 47/68* (2017.01)  
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 (74) FB Rice Pty Ltd

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 (11) AU-A-2022282805  
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 (54) IMPACT CUSHIONING MATERIAL FOR PADDED GLOVES USED IN CONTACT SPORTS  
 (51) Int. Cl.  
**A63B 71/14** ( 2006.01 )  
**A41D 13/015** ( 2006.01 )  
**A41D 13/08** ( 2006.01 )  
**A41D 19/015** ( 2006.01 )  
**A41D 31/28** ( 2019.01 )  
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 (72) CLEMENT, Ken; ZIKAKIS, David; AD-REF, Zakaria; CLEMENT, Craig  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) HEIDELBERG MATERIALS AG  
 (11) AU-A-2022320862  
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 (54) SEPARATION OF HARDENED CONCRETE PASTE FROM AGGREGATE  
 (51) Int. Cl.  
**C04B 20/02** ( 2006.01 )  
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 (31) 21188485.3 (32) 29.07.21 (33) EP  
 (43) 02.02.2023  
 (72) PATO, Nicolas; ZAJAC, Maciej; SKOCEK, Jan; WAGNER, Eckhard  
 (74) Griffith Hack

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 (54) MODIFIED RIBONUCLEIC ACIDS AND USES THEREOF  
 (51) Int. Cl.  
**C07H 19/10** ( 2006.01 )  
**A61K 31/7115** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 37/02** ( 2006.01 )  
**C07H 21/02** ( 2006.01 )  
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 (74) FB Rice Pty Ltd

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 (11) AU-A-2022287225  
 (21) 2022287225 (22) 02.06.2022  
 (54) PIPERIDINE UREA DERIVATIVES FOR USE AS INOTROPIC AGENTS  
 (51) Int. Cl.  
**A61K 31/4468** ( 2006.01 )  
**A61P 9/04** ( 2006.01 )

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 (74) MINTER ELLISON

(71) HILTI AKTIENGESSELLSCHAFT  
 (11) AU-A-2022308677  
 (21) 2022308677 (22) 06.07.2022  
 (54) DRILL BIT, DRILL CHUCK ATTACHMENT FOR THE DRILL BIT, AND DRILL CHUCK FOR THE DRILL BIT  
 (51) Int. Cl.  
**B28D 1/14** ( 2006.01 )  
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 (74) Spruson & Ferguson

(71) HITACHI, LTD.  
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 (21) 2022273226 (22) 21.04.2022  
 (54) SPEED DETECTING DEVICE, AND SPEED DETECTING METHOD  
 (51) Int. Cl.  
**G01P 21/02** ( 2006.01 )  
**G01P 3/50** ( 2006.01 )  
**G01P 7/00** ( 2006.01 )  
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**A61K 38/18** ( 2006.01 )  
**A61P 23/00** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
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 (54) PREBIOTIC, PROBIOTIC, AND/OR POSTBIOTIC TREATMENTS, OSTOMY BARRIERS AND ADHESIVES

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 (51) Int. Cl.  
**G06F 8/10** ( 2018.01 )  
**G06F 8/71** ( 2018.01 )  
**G06F 8/75** ( 2018.01 )  
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 (72) DAVIDSON, Stephen  
 (74) FPA Patent Attorneys Pty Ltd

(71) HOUSE OF DESIGN LLC  
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 (54) SYSTEMS AND METHODS TO ACCOMPLISH A PHYSICAL PROCESS  
 (51) Int. Cl.  
**G05B 19/418** ( 2006.01 )  
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 (54) METHOD FOR TREATMENT OF PSORIASIS  
 (51) Int. Cl.  
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**A61P 17/06** ( 2006.01 )  
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 (54) CONTROL METHOD FOR PHOTOVOLTAIC POWER GENERATION SYSTEM, AND PHOTOVOLTAIC POWER GENERATION SYSTEM AND SWITCHING APPARATUS

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(54) COMMUNICATION METHOD AND AP-  
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**H04L 9/40** ( 2022.01 )  
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(51) Int. Cl.  
**A61K 47/14** ( 2017.01 )  
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(51) Int. Cl.  
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(21) 2022271243 (22) 04.05.2022  
(54) COMBINATION THERAPIES COM-  
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**F17C 1/00** ( 2006.01 )  
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**F15B 1/02** ( 2006.01 )  
**F17C 13/02** ( 2006.01 )  
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(54) POWER MANAGEMENT SYSTEM,  
POWER MANAGEMENT METHOD,  
AND POWER MANAGEMENT PRO-  
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(51) Int. Cl.  
**H02J 3/38** ( 2006.01 )  
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(51) Int. Cl.  
**G01N 21/17** ( 2006.01 )  
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**G06V 10/762** ( 2022.01 )  
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LABOR GMBH  
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**C07K 16/28** ( 2006.01 )  
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 (74) Pearce IP Pty Ltd
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 (51) Int. Cl.  
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 (72) GAUTHIER, Laurent; MOREL, Yannis; DEMARIA, Olivier  
 (74) Blue Penguin IP Ltd
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**C07D 403/04** ( 2006.01 )  
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**C07K 7/06** ( 2006.01 )  
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 (72) VRABEL, Milan; DZIJAK, Rastislav; KOVALOVA, Anna  
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 (54) COMPACT POSITIVE DISPLACEMENT PUMP FOR WEARABLE DRUG DELIVERY DEVICE  
 (51) Int. Cl.  
**A61M 5/142** ( 2006.01 )  
**A61M 5/315** ( 2006.01 )  
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 (72) CARDINALI, Steven  
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 (51) Int. Cl.  
**G06T 7/00** ( 2017.01 )  
**G06N 3/00** ( 2023.01 )  
**G06V 10/00** ( 2022.01 )  
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 (54) INDUCTIVE POWER TRANSFER TRANSMITTER AND SYSTEM  
 (51) Int. Cl.  
**H02J 50/12** ( 2016.01 )  
**H02J 5/00** ( 2016.01 )  
**H02J 7/02** ( 2016.01 )  
**H02M 3/22** ( 2006.01 )  
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 (54) LIPID NANOPARTICLE COMPOSITIONS  
 (51) Int. Cl.  
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*C12N 15/90* ( 2006.01 )  
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 (54) INHIBITORS OF DNA-DEPENDENT PROTEIN KINASE AND COMPOSITIONS AND USES THEREOF  
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 (54) ORAL FELINE FEED AND METHODS FOR CONTROLLING FLEA INFESTATIONS IN A FELINE  
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*A23K 50/40* ( 2016.01 )  
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 (51) Int. Cl.  
*E05D 15/10* ( 2006.01 )  
*E05D 15/48* ( 2006.01 )  
*E05D 15/56* ( 2006.01 )  
*E05F 17/00* ( 2006.01 )  
*E06B 3/46* ( 2006.01 )  
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*E05F 15/72* ( 2015.01 )  
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 (54) SLIDING-DOOR SYSTEM  
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*E05B 63/24* ( 2006.01 )  
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*H02J 7/00* ( 2006.01 )  
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**C07D 231/12** ( 2006.01 )  
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 (51) Int. Cl.  
**C22B 1/16** ( 2006.01 )  
**C21B 13/00** ( 2006.01 )  
**C22B 1/20** ( 2006.01 )  
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**B60L 3/00** ( 2019.01 )  
**B60L 50/60** ( 2019.01 )  
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**H01M 10/48** ( 2006.01 )  
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*A61L 24/04* (2006.01)  
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*C08G 61/08* (2006.01)  
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*G06N 10/00* (2022.01)  
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*G06E 3/00* (2006.01)  
*G06N 3/04* (2023.01)  
*G06N 7/00* (2023.01)  
*B82Y 10/00* (2011.01)  
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 (51) Int. Cl.  
*A23J 3/22* (2006.01)  
*A23L 31/00* (2016.01)  
*C12N 1/12* (2006.01)  
*C12N 1/14* (2006.01)  
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 (54) METHODS AND COMPOSITIONS FOR TREATING AGING AND CHRONIC DISEASE  
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*A61B 9/00* ( 2006.01 )  
*A61K 31/194* ( 2006.01 )  
*A61K 31/202* ( 2006.01 )  
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 (51) Int. Cl.  
*A61K 31/17* ( 2006.01 )  
*A61K 31/27* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07C 271/06* ( 2006.01 )  
*C07C 275/04* ( 2006.01 )  
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 (54) MICRONEEDLE BASED DELIVERY SYSTEM  
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*A61M 37/00* ( 2006.01 )  
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 B24D 7/00 (2006.01)  
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 (51) Int. Cl.  
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*C02F 11/121* ( 2019.01 )  
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*C21D 1/19* ( 2006.01 )

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**C21D 1/613** ( 2006.01 )  
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**(54)** INDENE COMPOUNDS, PHARMACEUTICAL COMPOSITIONS THEREOF, AND THEIR THERAPEUTIC APPLICATIONS  
**(51)** Int. Cl.  
**C07C 13/465** ( 2006.01 )  
**A61K 31/015** ( 2006.01 )  
**A61P 1/16** ( 2006.01 )  
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**(74)** PHILLIPS ORMONDE FITZPATRICK
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**(54)** APPARATUS AND METHOD FOR AUTOMATICALLY INSPECTING MACHINE COMPONENTS  
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**G01M 13/00** ( 2019.01 )  
**G01M 99/00** ( 2011.01 )  
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**(72)** INNOCENTI, Mirco; RUSSO, Andrea; GIORGETTI, Andrea; RIBICHINI, Remo  
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**C02F 1/32** ( 2023.01 )  
**B65D 23/12** ( 2006.01 )  
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**C12N 9/10** ( 2006.01 )  
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**C07K 7/08** ( 2006.01 )  
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**(51)** Int. Cl.  
**C07D 487/04** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
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**(54)** PHARMACEUTICAL COMBINATION COMPRISING AN ANTI-CD205 ANTIBODY AND AN IMMUNE CHECKPOINT INHIBITOR  
**(51)** Int. Cl.  
**A61K 39/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
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**C07K 16/28** ( 2006.01 )  
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**(72)** ROHLFF, Christian  
**(74)** Griffith Hack
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**(51)** Int. Cl.  
**C12Q 1/6825** ( 2018.01 )  
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**B01J 20/26** ( 2006.01 )  
**B01J 20/28** ( 2006.01 )  
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**B01D 53/04** ( 2006.01 )  
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**(11)** AU-A-2022273290  
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**C07K 16/28** ( 2006.01 )  
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**(54)** COMPOUNDS  
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**C07D 471/18** ( 2006.01 )  
**A61K 31/46** ( 2006.01 )  
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 A23L 5/41 ( 2016.01 )  
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 A61K 31/167 ( 2006.01 )  
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 B62B 7/00 ( 2006.01 )  
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 A01C 23/04 ( 2006.01 )  
 A01G 9/02 ( 2018.01 )  
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 A01G 9/14 ( 2006.01 )  
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 (72) ECKERSLEY-MASLIN, Sebastien; MÖGER, Katharyn  
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 (74) mdp Patent and Trade Mark Attorneys
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 (11) AU-A-2022258467  
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 (51) Int. Cl.  
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 A61K 45/06 ( 2006.01 )  
 C07D 487/08 ( 2006.01 )  
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 A61L 2/14 ( 2006.01 )  
 A61B 1/00 ( 2006.01 )  
 A61B 1/12 ( 2006.01 )  
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 A61B 90/70 ( 2016.01 )  
 G02B 1/18 ( 2015.01 )  
 G02B 27/00 ( 2006.01 )  
 H01J 37/32 ( 2006.01 )  
 H04L 67/12 ( 2022.01 )  
 H04W 76/11 ( 2018.01 )  
 H05H 1/24 ( 2006.01 )  
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**C07K 16/28** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**G01N 33/574** ( 2006.01 )  
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 (74) Griffith Hack
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 (54) ENGINEERED MEGANUCLEASES THAT TARGET HUMAN MITOCHONDRIAL GENOMES  
 (51) Int. Cl.  
**C12N 9/22** ( 2006.01 )  
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**C12N 9/22** ( 2006.01 )  
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- (71) PRIMEGEN US, INC.  
 (11) AU-A-2022273715  
 (21) 2022273715 (22) 12.05.2022  
 (54) METHODS AND COMPOSITIONS FOR TREATING LIVER DISEASE
- (51) Int. Cl.  
**A61P 1/16** ( 2006.01 )  
**A61K 35/12** ( 2015.01 )  
**C12N 5/077** ( 2010.01 )  
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 (43) 17.11.2022  
 (72) MARH, Joel  
 (74) K&L Gates
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- (71) PRINCIPIA BIOPHARMA, INC.  
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 (54) METHODS FOR TREATING DRUG AND VACCINE INDUCED IMMUNE THROMBOCYTOPENIA BY ADMINISTERING SPECIFIC COMPOUNDS  
 (51) Int. Cl.  
**A61K 31/519** ( 2006.01 )  
**A61P 7/00** ( 2006.01 )  
**A61P 7/02** ( 2006.01 )  
**A61P 7/04** ( 2006.01 )  
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 (72) SMITH, Christopher W.; WATSON, Steve P.; NICOLSON, Phillip L. R.; LANGRISH, Claire  
 (74) Griffith Hack
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- (71) PSG GERMANY GMBH  
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 (21) 2022273406 (22) 12.05.2022  
 (54) PUMPS  
 (51) Int. Cl.  
**F04C 5/00** ( 2006.01 )  
**F04C 15/00** ( 2006.01 )  
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 (31) 2106738.4 (32) 12.05.21 (33) GB  
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 (72) HAYES-PANKHURST, Richard Paul; FORD, Jonathan Edward  
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- (71) PSG GERMANY GMBH  
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 (54) PUMPS  
 (51) Int. Cl.  
**F04C 5/00** ( 2006.01 )  
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 (72) HAYES-PANKHURST, Richard Paul; FORD, Jonathan Edward  
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- (71) PURE LITHIUM CORPORATION  
 (11) AU-A-2022272909  
 (21) 2022272909 (22) 06.05.2022  
 (54) RECHARGEABLE BATTERY AND ELECTROLYSIS METHOD OF MAKING THE SAME  
 (51) Int. Cl.  
**H01M 4/04** ( 2006.01 )  
**H01M 4/134** ( 2010.01 )  
**H01M 4/136** ( 2010.01 )  
**H01M 4/1395** ( 2010.01 )  
**H01M 4/38** ( 2006.01 )  
**H01M 10/052** ( 2010.01 )  
**H01M 10/0565** ( 2010.01 )  
 (87) WO2022/240696  
 (31) 63/187,688 (32) 12.05.21 (33) US  
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 (72) SADOWAY, Donald R.; BODOIN, Emilie  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) PURE LITHIUM CORPORATION  
 (11) AU-A-2022273611  
 (21) 2022273611 (22) 09.05.2022  
 (54) RECHARGEABLE BATTERY AND ELECTROLYSIS METHOD OF MAKING THE SAME  
 (51) Int. Cl.  
**H01M 4/04** ( 2006.01 )  
**H01M 4/134** ( 2010.01 )  
**H01M 4/136** ( 2010.01 )  
**H01M 4/1395** ( 2010.01 )  
**H01M 4/38** ( 2006.01 )  
**H01M 10/052** ( 2010.01 )  
**H01M 10/0565** ( 2010.01 )  
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 (72) SADOWAY, Donald R.; BODOIN, Emilie  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) QUALITAS MANUFACTURING INCORPORATED  
 (11) AU-A-2022292560  
 (21) 2022292560 (22) 13.06.2022  
 (54) ROLLING SHUTTER LOCKING SYSTEM  
 (51) Int. Cl.  
**E06B 9/15** ( 2006.01 )  
**E06B 9/17** ( 2006.01 )  
**E06B 9/80** ( 2006.01 )  
**E06B 9/86** ( 2006.01 )  
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 (72) ZARBECK, Craig, N.; AMIL, Orlando; MILLER, James, V.  
 (74) Spruson & Ferguson
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 (11) AU-A-2022295829  
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 (54) ROLLING SHUTTER SYSTEM  
 (51) Int. Cl.  
**E06B 9/15** ( 2006.01 )  
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 (11) AU-A-2022278868  
 (21) 2022278868 (22) 18.05.2022  
 (54) METHODS AND APPARATUS FOR  
 DETECTING BRAIN DISORDERS  
 (51) Int. Cl.  
**A61B 5/16** ( 2006.01 )  
**A61B 3/113** ( 2006.01 )  
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 ald Christopher; COE, Brian Charles;  
 WHITE, Brian Joseph  
 (74) Davies Collison Cave Pty Ltd

(71) RAYO 3D BIOTECH OY  
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 (21) 2022447729 (22) 30.11.2022  
 (54) A METHOD AND SYSTEM FOR PRO-  
 DUCING A PRINTABLE OBJECT  
 (51) Int. Cl.  
**B29C 64/00** ( 2017.01 )  
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 (72) VALLITTU, Pekka  
 (74) Griffith Hack

(71) REALFACEVALUE B.V.  
 (11) AU-A-2022288157  
 (21) 2022288157 (22) 25.05.2022  
 (54) METHOD FOR PRODUCING AN IM-  
 AGE OF EXPECTED RESULTS OF  
 MEDICAL COSMETIC TREATMENTS  
 ON A HUMAN ANATOMICAL FEAT-  
 URE FROM AN IMAGE OF THE  
 ANATOMICAL FEATURE PRIOR TO  
 THESE MEDICAL COSMETIC TREAT-  
 MENTS  
 (51) Int. Cl.  
**G06T 11/00** ( 2006.01 )  
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 (74) AUSTRALASIA IP PTY LTD

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 (11) AU-A-2021441722  
 (21) 2021441722 (22) 17.12.2021  
 (54) LOW TEMPERATURE HOMOGEN-  
 EOUS CHARGE CONTINUOUS OX-  
 IDATION PYROLYSIS OF CARBON  
 ORES  
 (51) Int. Cl.  
**C10G 1/00** ( 2006.01 )  
**B01D 3/14** ( 2006.01 )  
**C10G 9/36** ( 2006.01 )  
**E21B 43/247** ( 2006.01 )  
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 (43) 27.10.2022  
 (72) PATTEN, James; BUNGER, James;  
 FAULL, John; PEARSON, Jeremy  
 (74) FB Rice Pty Ltd

(71) REGENERON PHARMACEUTICALS,  
 INC.  
 (11) AU-A-2022271212  
 (21) 2022271212 (22) 03.05.2022  
 (54) CHIMERIC ANTIGEN RECEPTORS  
 WITH MAGE-A4 SPECIFICITY AND  
 USES THEREOF  
 (51) Int. Cl.  
**A61K 39/00** ( 2006.01 )  
**C07K 14/725** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
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 (31) 63/184,183 (32) 04.05.21 (33) US  
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 (72) BRAY, Kevin; DELFINO, Frank; DI-  
 LILLO, David  
 (74) Griffith Hack

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 INC.  
 (11) AU-A-2022288634  
 (21) 2022288634 (22) 09.06.2022  
 (54) TREATMENT OF PSORIASIS WITH  
 INTERFERON INDUCED HELICASE C  
 DOMAIN 1 (IFIH1) INHIBITORS  
 (51) Int. Cl.  
**C12N 15/113** ( 2010.01 )  
**A61K 31/7088** ( 2006.01 )  
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 Manuel Allen Revez; SIMINOVITCH,  
 Katherine; BARAS, Aris; KHRIMIYAN,  
 Lori; KARALIS, Katia  
 (74) Davies Collison Cave Pty Ltd

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 (54) FIXTURE OUTLET BOX  
 (51) Int. Cl.  
**F16L 33/22** ( 2006.01 )  
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 (72) COSLEY, James; O'NEIL, Virgil; HART,  
 Dennis  
 (74) Allens Patent & Trade Mark Attorneys

(71) REPRIEVE CARDIOVASCULAR, INC.  
 (11) AU-A-2022259099  
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 (54) URINE COLLECTION SYSTEMS  
 AND ASSOCIATED METHODS AND  
 DEVICES  
 (51) Int. Cl.  
**A61B 5/20** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**A61M 5/00** ( 2006.01 )  
**A61M 5/142** ( 2006.01 )  
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 tor; LUPPI, Kenneth John; FIELDS,  
 Antony Jonathan  
 (74) Spruson & Ferguson

(71) RESEARCH INSTITUTE AT NATION-  
 WIDE CHILDREN'S HOSPITAL  
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 (21) 2022257000 (22) 13.04.2022  
 (54) MATERIALS AND METHODS FOR  
 NEUROFIBROMIN 2/MERLIN  
 (<i>NF2</i>) GENE THERAPY  
 (51) Int. Cl.  
**A61K 48/00** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )  
**A61K 31/711** ( 2006.01 )  
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 Kevin; LIKHITE, Shibi; MEYER, Kathrin  
 (74) WRAYS PTY LTD

(71) RETAIN HEALTH, INC  
 (11) AU-A-2022274883  
 (21) 2022274883 (22) 10.05.2022  
 (54) SYSTEM AND METHOD FOR TEXT-  
 BASED CONVERSATION WITH A  
 USER, USING MACHINE LEARNING  
 (51) Int. Cl.  
**G16H 50/30** ( 2018.01 )  
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 (72) MCINNIS, Mark  
 (74) Spruson & Ferguson

(71) REVOLUTION MEDICINES, INC.  
 (11) AU-A-2022281343  
 (21) 2022281343 (22) 25.05.2022  
 (54) METHODS FOR INHIBITING RAS  
 (51) Int. Cl.  
**A61K 45/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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 (72) SEAMON, Kyle  
 (74) Pizzeyes Patent and Trade Mark Attor-  
 neys Pty Ltd

(71) RIGSHOSPITALET; UNIVERSITY OF  
 COPENHAGEN  
 (11) AU-A-2022302907  
 (21) 2022302907 (22) 29.06.2022  
 (54) ANTIBODY-DRUG CONJUGATES  
 COMPRISING HUMANIZED ANTI-  
 BODIES TARGETING UROKINASE  
 TYPE PLASMINOGEN ACTIVATOR  
 RECEPTOR ASSOCIATED PROTEIN  
 (UPARAP)  
 (51) Int. Cl.  
**C07K 16/28** ( 2006.01 )

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**(72)** NIELSEN, Christoffer; BEHRENDT, Niels; ENGELHOLM, Lars Henning  
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- (71)** ROC OPCO LLC  
**(11)** AU-A-2022276520  
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**(54)** COSMETIC COMPOSITIONS CONTAINING VITAMIN C COMPOUNDS AND USES THEREOF  
**(51)** Int. Cl.  
**C07K 5/11** ( 2006.01 )  
**C07K 5/117** ( 2006.01 )  
**C07K 7/06** ( 2006.01 )  
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**(31)** 63/191,213 **(32)** 20.05.21 **(33)** US  
**(43)** 24.11.2022  
**(72)** PELLEGRINO, Arthur; KHOURY, Fred; DELISLE, Ellen  
**(74)** Spruson & Ferguson
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- (71)** ROCSYS B.V.  
**(11)** AU-A-2022269293  
**(21)** 2022269293 **(22)** 06.05.2022  
**(54)** METHOD AND DEVICE FOR DETERMINING A POSITION AND ORIENTATION OF A SOCKET OF AN ELECTRIC VEHICLE  
**(51)** Int. Cl.  
**B60L 53/35** ( 2019.01 )  
**B60L 53/36** ( 2019.01 )  
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**(31)** N2028169 **(32)** 06.05.21 **(33)** NL  
**(43)** 10.11.2022  
**(72)** VAN DEURZEN, Kanter; VAN DER WEIJDE, Johannes Oosten  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** ROSE RESEARCH CENTER, LLC  
**(11)** AU-A-2022273620  
**(21)** 2022273620 **(22)** 10.05.2022  
**(54)** COMBINATION TREATMENT METHODS  
**(51)** Int. Cl.  
**A61K 31/135** ( 2006.01 )  
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**A61K 31/381** ( 2006.01 )  
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**(72)** ROSE, Jed, E.  
**(74)** WRAYS PTY LTD
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- (71)** ROVI GUIDES, INC.  
**(11)** AU-A-2021446718  
**(21)** 2021446718 **(22)** 15.12.2021  
**(54)** METHODS AND SYSTEMS FOR PERSONALIZED CONTENT BASED ON CAPTURED GESTURES  
**(51)** Int. Cl.  
**H04H 60/46** ( 2008.01 )
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- G06F 3/01** ( 2006.01 )  
**H04H 60/33** ( 2008.01 )  
**H04H 60/65** ( 2008.01 )  
**H04N 21/258** ( 2011.01 )  
**H04N 21/442** ( 2011.01 )  
**H04N 21/45** ( 2011.01 )  
**H04N 21/466** ( 2011.01 )  
**H04N 21/475** ( 2011.01 )  
**H04N 21/478** ( 2011.01 )  
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**H04N 21/81** ( 2011.01 )  
**H04N 21/84** ( 2011.01 )  
**H04N 21/845** ( 2011.01 )  
**H04N 21/858** ( 2011.01 )  
**A61B 5/02** ( 2006.01 )  
**A61B 5/021** ( 2006.01 )  
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**(43)** 24.11.2022  
**(72)** LIDAKA, Christopher, Charles; HARB, Reda  
**(74)** Spruson & Ferguson
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- (71)** RUAG AMMOTEC AG  
**(11)** AU-A-2022269277  
**(21)** 2022269277 **(22)** 04.05.2022  
**(54)** PROJECTILE FOR AMMUNITION  
**(51)** Int. Cl.  
**F42B 12/80** ( 2006.01 )  
**F42B 12/74** ( 2006.01 )  
**F42B 12/82** ( 2006.01 )  
**F42B 14/02** ( 2006.01 )  
**F42B 33/00** ( 2006.01 )  
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**(43)** 10.11.2022  
**(72)** MUSTER, Michael; GRÜNIG, Markus; MEYER, Donald  
**(74)** Griffith Hack
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- (71)** SACKETT, S.G.  
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**(21)** 2022283261 **(22)** 24.05.2022  
**(54)** SAFETY TROCAR ASSEMBLY  
**(51)** Int. Cl.  
**A61B 17/34** ( 2006.01 )  
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**(43)** 01.12.2022  
**(72)** SACKETT, Samuel, Gregory  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** Safe Roll Pty Ltd  
**(11)** AU-A-2023222995  
**(21)** 2023222995 **(22)** 12.04.2023  
**(54)** A DEVICE FOR WINDING UP A HOSE  
**(51)** Int. Cl.  
**B65H 54/58** ( 2006.01 )  
**A62C 33/04** ( 2006.01 )  
**B65H 54/44** ( 2006.01 )  
**B65H 67/04** ( 2006.01 )  
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**(43)** 30.11.2023  
**(72)** SIMMONDS, MATTHEW; FEHLBERG, LARNDIS  
**(74)** LESICAR MAYNARD ANDREWS PTY LTD
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- (71)** SAGE ENTERTAINMENT PTY LTD  
**(11)** AU-A-2022275079  
**(21)** 2022275079 **(22)** 12.05.2022  
**(54)** SYSTEM AND METHOD FOR FACILITATING VIRTUAL PARTICIPATION IN A RACING EVENT  
**(51)** Int. Cl.  
**G06T 19/00** ( 2011.01 )  
**A63F 13/55** ( 2014.01 )  
**A63F 13/65** ( 2014.01 )  
**A63F 13/803** ( 2014.01 )  
**G06F 3/01** ( 2006.01 )  
**G06T 13/40** ( 2011.01 )  
**G06T 15/20** ( 2011.01 )  
**(87)** WO2022/236372  
**(31)** 2021901407 **(32)** 12.05.21 **(33)** AU  
**(43)** 17.11.2022  
**(72)** BAILEY, Grant  
**(74)** Murray Trento & Associates Pty Ltd
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- (71)** SANA BIOTECHNOLOGY, INC.  
**(11)** AU-A-2022277931  
**(21)** 2022277931 **(22)** 20.05.2022  
**(54)** HYPOIMMUNOGENIC RHD NEGATIVE PRIMARY T CELLS  
**(51)** Int. Cl.  
**A61K 35/17** ( 2015.01 )  
**C12N 5/0783** ( 2010.01 )  
**C12N 15/00** ( 2006.01 )  
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 63/255,803 14.10.21 US  
**(43)** 24.11.2022  
**(72)** SCHREPFER, Sonja  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** SANA BIOTECHNOLOGY, INC.  
**(11)** AU-A-2022280957  
**(21)** 2022280957 **(22)** 27.05.2022  
**(54)** LIPID PARTICLES CONTAINING A TRUNCATED BABOON ENDOGENOUS RETROVIRUS (BAEV) ENVELOPE GLYCOPROTEIN AND RELATED METHODS AND USES  
**(51)** Int. Cl.  
**C07K 14/005** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )  
**(87)** WO2022/251712  
**(31)** 63/194,880 **(32)** 28.05.21 **(33)** US  
**(43)** 01.12.2022  
**(72)** MULLIGAN, Richard C.; VOLLES, Michael J.  
**(74)** RnB IP Pty Ltd
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- (71)** SANDVIK MINING AND CONSTRUCTION AUSTRALIA (PRODUCTION/SUPPLY) PTY LTD  
**(11)** AU-A-2022274079  
**(21)** 2022274079 **(22)** 02.05.2022  
**(54)** SENSOR ASSEMBLY FOR USE BETWEEN A GROUND ENGAGING TOOL AND A BUCKET  
**(51)** Int. Cl.  
**E02F 9/26** ( 2006.01 )  
**E02F 9/28** ( 2006.01 )

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**(31)** 21172982.7 **(32)** 10.05.21 **(33)** EP  
**(43)** 17.11.2022  
**(72)** KNOWLES, Bruce; JAVADI, Mehrdad  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** SASO Mitsuhiro; CROSS TECHNOLOGY LABO CO.,LTD.  
**(11)** AU-A-2022261634  
**(21)** 2022261634 **(22)** 25.04.2022  
**(54)** AIR ELECTRODE HAVING HYDROGEN PEROXIDE-CONTAINING ELECTRIC DOUBLE LAYER, AND METAL-AIR BATTERY USING SAME  
**(51)** Int. Cl.  
**H01M 12/06** ( 2006.01 )  
**H01G 11/08** ( 2013.01 )  
**H01G 11/30** ( 2013.01 )  
**H01G 11/64** ( 2013.01 )  
**H01M 4/46** ( 2006.01 )  
**H01M 4/66** ( 2006.01 )  
**H01M 4/86** ( 2006.01 )  
**H01M 4/90** ( 2006.01 )  
**H01M 6/12** ( 2006.01 )  
**(87)** WO2022/225066  
**(31)** 2021-073490 **(32)** 23.04.21 **(33)** JP  
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**(43)** 27.10.2022  
**(72)** SASO Mitsuhiro  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** SATO PHARMACEUTICAL CO., LTD.  
**(11)** AU-A-2022272488  
**(21)** 2022272488 **(22)** 11.07.2022  
**(54)** APPLICATION CONTAINER  
**(51)** Int. Cl.  
**B65D 83/00** ( 2006.01 )  
**B65D 47/24** ( 2006.01 )  
**B65D 47/42** ( 2006.01 )  
**(87)** WO2022/238984  
**(31)** 2021-081699 **(32)** 13.05.21 **(33)** JP  
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**(72)** SAKATA, Kota; RIKIISHI, Kiyohiko; ITOH, Yoshinori; KOYAMA, Yoshitoshi  
**(74)** Griffith Hack
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- (71)** SAVA HEALTHCARE LIMITED  
**(11)** AU-A-2021441501  
**(21)** 2021441501 **(22)** 24.04.2021  
**(54)** PHARMACEUTICAL COMPOSITIONS COMPRISING PICOSIDE  
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**A61K 31/7048** ( 2006.01 )  
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**E21B 7/04** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
**C07D 239/84** ( 2006.01 )  
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*A01N 37/46* ( 2006.01 )  
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*A01M 1/20* ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd
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- (71) TAN, S.  
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 (51) Int. Cl.  
*G05B 19/418* ( 2006.01 )  
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 (72) TAN, Sicong; YU, Hao; YU, Meng Fei; TAN, Yong Xue; YU, Zhiying  
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 (54) DYNAMICALLY CONFIGURABLE HARDWARE SYSTEM FOR MOTOR SYSTEM AND METHOD FOR OPERATING SAME  
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*H02K 1/02* ( 2006.01 )  
*H02K 1/16* ( 2006.01 )  
*H02K 1/24* ( 2006.01 )  
*H02K 11/028* ( 2016.01 )  
*H02P 23/14* ( 2006.01 )  
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 (72) PENNINGTON, III, Walter Wesley; SWINT, Ethan Bagget; PREINDL, Matthias; STEVENSON, Gregory Gordon; RUBIN, Mathew, J; DA COSTA, Anthony  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) TCHIBO GMBH  
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 (54) BEVERAGE PREPARATION MACHINE HAVING A SET-DOWN ELEMENT FOR POSITIONING DIFFERENT VESSELS FOR RECEIVING A BEVERAGE  
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*A47J 31/44* ( 2006.01 )  
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 (72) ERDWIENS, Alexander; DANIELS, Micha  
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 (21) 2021451387 (22) 06.09.2021
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 (51) Int. Cl.  
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*A01B 1/06* ( 2006.01 )  
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 (72) WANG, Zheng Jun; LI, Jin Cheng; LI, Dong Wei  
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 (21) 2021451640 (22) 16.06.2021  
 (54) PORTABLE PUMP WITH TELESCOPIC TUBES  
 (51) Int. Cl.  
*F04D 13/06* ( 2006.01 )  
*F04D 13/08* ( 2006.01 )  
*F04D 29/42* ( 2006.01 )  
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 (72) AVILA, Gerardo Quintanilla; ESCHRICH, Sven; XIE, Jia Wei  
 (74) Spruson & Ferguson
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 (11) AU-A-2022264506  
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 (51) Int. Cl.  
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 (72) DAWSON, Michael, P.; DAVILA, Rafael  
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 (54) THREE-DIMENSIONAL ULTRASONIC IMAGING METHOD AND SYSTEM BASED ON LASER RADAR  
 (51) Int. Cl.  
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 (72) ZHENG, Yongping  
 (74) PIPERS
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 (11) AU-A-2022268827  
 (21) 2022268827 (22) 05.05.2022  
 (54) NETWORK NODES, COMMUNICATION SYSTEM AND METHODS FOR HANDLING SECONDARY CELL GROUP OPERATION MODE IN A

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<p>(71) TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) (11) AU-A-2022282667 (21) 2022282667 (22) 27.05.2022 (54) CENTRALIZED AFC SYSTEM INFORMATION FUNCTION AND PROCEDURES IN 6 GHZ AFC CONTROLLED NETWORKS (51) Int. Cl. <i>H04W 16/14</i> ( 2009.01 ) (87) WO2022/249151 (31) 63/193,797 (32) 27.05.21 (33) US (43) 01.12.2022 (72) RICHARDS, Christopher (74) AJ PARK</p>	<p>(71) THE BROAD INSTITUTE, INC.; MAS-SACHUSETTS INSTITUTE OF TECHNOLOGY (11) AU-A-2022281407 (21) 2022281407 (22) 27.05.2022 (54) CO-MAPPING TRANSCRIPTIONAL STATES AND PROTEIN HISTOLOGY (51) Int. Cl. <i>C12Q 1/6841</i> ( 2018.01 ) (87) WO2022/251586 (31) 63/194,536 (32) 28.05.21 (33) US (43) 01.12.2022 (72) WANG, Xiao; ZENG, Hu; REN, Jingyi (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd</p>	<p>(71) THE MEDICAL COLLEGE OF WISCONSIN, INC. (11) AU-A-2022276511 (21) 2022276511 (22) 20.05.2022 (54) CILIA PROTEIN AS BIOMARKERS AND METHODS OF USE (51) Int. Cl. <i>C12N 9/00</i> ( 2006.01 ) <i>C12Q 1/68</i> ( 2018.01 ) <i>G01N 33/48</i> ( 2006.01 ) <i>G01N 33/50</i> ( 2006.01 ) <i>G01N 33/53</i> ( 2006.01 ) (87) WO2022/246229 (31) 63/191,126 (32) 20.05.21 (33) US (43) 24.11.2022 (72) RAMCHANDRAN, Ramani (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd</p>
<p>(71) TERNA S.P.A. (11) AU-A-2022272132 (21) 2022272132 (22) 10.05.2022 (54) FLYWHEEL DOUBLY-FED SYSTEM WITH CAPABILITY TO SUPPLY A DOUBLE INERTIAL CONTRIBUTION, NATURAL AND SYNTHETIC, AND RELATED INNOVATIVE OPERATION LOGIC (51) Int. Cl. <i>H02J 3/30</i> ( 2006.01 ) <i>H02P 9/30</i> ( 2006.01 ) (87) WO2022/238879 (31) 21425021.9 (32) 10.05.21 (33) EP 102021000017042 29.06.21 IT (43) 17.11.2022 (72) PALONE, Francesco; PIETRUCCHI, Marco; BUONO, Luca (74) PHILLIPS ORMONDE FITZPATRICK</p>	<p>(71) THE CHINESE UNIVERSITY OF HONG KONG (11) AU-A-2022258155 (21) 2022258155 (22) 12.04.2022 (54) BASE MODIFICATION ANALYSIS USING ELECTRICAL SIGNALS (51) Int. Cl. <i>C12Q 1/68</i> ( 2018.01 ) (87) WO2022/218290 (31) 63/173,728 (32) 12.04.21 (33) US (43) 20.10.2022 (72) LO, Yuk-Ming Dennis; CHIU, Rossa Wai Kwun; CHAN, Kwan Chee; JIANG, Peiyong; CHENG, Suk Hang; DENG, Jiaen (74) Griffith Hack</p>	<p>(71) THE NIELSEN COMPANY (US), LLC (11) AU-A-2022263965 (21) 2022263965 (22) 20.04.2022 (54) METHODS AND APPARATUS TO EXTEND A TIMESTAMP RANGE SUPPORTED BY A WATERMARK WITHOUT BREAKING BACKWARDS COMPATIBILITY (51) Int. Cl. <i>H04N 21/8358</i> ( 2011.01 ) <i>H04N 21/2389</i> ( 2011.01 ) <i>H04N 21/8352</i> ( 2011.01 ) <i>H04N 21/8547</i> ( 2011.01 ) (87) WO2022/231912 (31) 17/246,239 (32) 30.04.21 (33) US (43) 03.11.2022 (72) KUZNETSOV, Vladimir; GISH, David; LYNCH, Wendell D. (74) Spruson &amp; Ferguson</p>
<p>(71) THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY (11) AU-A-2022296603 (21) 2022296603 (22) 23.06.2022 (54) COMPOSITIONS AND METHODS FOR IMPROVED PROTEIN TRANSLATION FROM RECOMBINANT CIRCULAR RNAS (51) Int. Cl. <i>C12N 15/11</i> ( 2006.01 ) <i>C12N 15/113</i> ( 2010.01 ) <i>A61K 31/713</i> ( 2006.01 ) (87) WO2022/271965 (31) 63/215,102 (32) 25.06.21 (33) US 63/232,324 12.08.21 US 63/320,954 17.03.22 US</p>	<p>(71) THE CLEVELAND CLINIC FOUNDATION (11) AU-A-2022261995 (21) 2022261995 (22) 22.04.2022 (54) EVALUATION OF DONOR LUNGS DURING EX-VIVO LUNG PERFUSION (51) Int. Cl. <i>G16H 50/20</i> ( 2018.01 ) <i>G16H 50/30</i> ( 2018.01 ) (87) WO2022/226272 (31) 63/178,190 (32) 22.04.21 (33) US (43) 27.10.2022 (72) AYYAT, Kamal S.; OKAMOTO, Toshihiro; MCCURRY, Kenneth R. (74) DAVIS IP PTY LTD</p>	<p>(71) THE REGENTS OF THE UNIVERSITY OF CALIFORNIA (11) AU-A-2022308998 (21) 2022308998 (22) 07.01.2022 (54) COMPOSITIONS AND METHODS FOR INHIBITING AND TREATING CORONAVIRUS INFECTIONS (51) Int. Cl. <i>A61P 31/00</i> ( 2006.01 ) <i>A61K 39/00</i> ( 2006.01 ) (87) WO2023/282935 (31) PCT/US2021/040869 (32) 08.07.21 (33) US (43) 12.01.2023 (72) KELESIDIS, Theodoros; ARUMU-GASWAMI, Vaithilingaraja; GARCIA, JR., Gustavo (74) O'Sullivan's Patent and Trade Mark Attorneys Pty Ltd</p>
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 (72) MACAN, Robin James  
 (74) mdp Patent and Trade Mark Attorneys
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 AS REPRESENTED BY THE SECRETARY,  
 DEPARTMENT OF HEALTH AND HUMAN SERVICES  
 (11) AU-A-2022280062  
 (21) 2022280062 (22) 26.05.2022  
 (54) METHODS TO GENERATE MACULAR,  
 CENTRAL AND PERIPHERAL RETINAL PIGMENT EPITHELIAL CELLS  
 (51) Int. Cl.  
**C12N 5/079** ( 2010.01 )  
**A61K 35/30** ( 2015.01 )  
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 (72) ORTOLAN, Davide; BHARTI, Kapil;  
 SHARMA, Ruchi  
 (74) PHILLIPS ORMONDE FITZPATRICK
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 DEPARTMENT OF HEALTH AND HUMAN SERVICES  
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 (51) Int. Cl.  
**A61L 27/18** ( 2006.01 )  
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**A61L 27/56** ( 2006.01 )  
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 (43) 01.12.2022  
 (72) SHARMA, Ruchi; BHARTI, Kapil;  
 MAMINISHKIS, Arvydas; ORTOLAN, Davide; NGUYEN, Eric  
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- (71) THE UNIVERSITY OF QUEENSLAND  
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 (54) RAPID MEASUREMENT OF COAL OXIDATION  
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**G01N 1/28** ( 2006.01 )  
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 (11) AU-A-2022261862  
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 (54) SGC STIMULATORS  
 (51) Int. Cl.  
**C07D 487/04** ( 2006.01 )  
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 (74) Griffith Hack
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 (11) AU-A-2022257118  
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 (54) KAPPA-OPIOID RECEPTOR AGONIST IMPLANTS FOR TREATMENT OF PRURITUS  
 (51) Int. Cl.  
**A61K 38/07** ( 2006.01 )  
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 (72) BEEBE DEVARNEY, Katherine; RUBIN, Marc; PATEL, Rajesh A.; SREEDHARAN, Sunil  
 (74) FB Rice Pty Ltd
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- (71) TOPELIA AUST LIMITED (ACN 652 771 670)  
 (11) AU-A-2022271918  
 (21) 2022271918 (22) 10.05.2022  
 (54) METHODS FOR TREATING, AMELIORATING OR PREVENTING INFECTIONS USING DRUG AND VACCINATION COMBINATION TREATMENT  
 (51) Int. Cl.  
**A61K 31/00** ( 2006.01 )  
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**A61K 35/76** ( 2015.01 )  
**A61K 39/002** ( 2006.01 )  
**A61K 39/02** ( 2006.01 )  
**A61K 39/12** ( 2006.01 )  
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**G01N 33/569** ( 2006.01 )  
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 (43) 17.11.2022  
 (72) BORODY, Thomas Julius; DOLAI, Sibasish  
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 (11) AU-A-2022259686  
 (21) 2022259686 (22) 15.04.2022  
 (54) "GOOD"BUFFER-BASED CATIONIC LIPIDS  
 (51) Int. Cl.  
**C07D 295/088** ( 2006.01 )  
**A61K 31/495** ( 2006.01 )  
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 (72) KARVE, Shrirang; DEROSA, Frank; LANDIS, Ryan; DASARI, Ramesh; KARMAKAR, Saswata  
 (74) Griffith Hack
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 (11) AU-A-2022261865  
 (21) 2022261865 (22) 19.04.2022  
 (54) IMPROVED COMPOSITIONS FOR DELIVERY OF MRNA  
 (51) Int. Cl.  
**A61K 48/00** ( 2006.01 )  
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**A61K 9/51** ( 2006.01 )  
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 (72) KARVE, Shrirang; KAUSHAL, Neha; KHANMOHAMMED, Asad; DEROSA, Frank  
 (74) Griffith Hack
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- (71) TREACE MEDICAL CONCEPTS, INC.  
 (11) AU-A-2022276540  
 (21) 2022276540 (22) 20.05.2022  
 (54) CUT GUIDE WITH INTEGRATED JOINT REALIGNMENT FEATURES  
 (51) Int. Cl.  
**A61B 17/02** ( 2006.01 )  
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**A61B 17/15** ( 2006.01 )  
**A61B 17/17** ( 2006.01 )  
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 (43) 24.11.2022  
 (72) KUYLER, Adriaan; MCALEER, Jody; DECARBO, William; SANTROCK, Robert; SCANLAN, Sean  
 (74) Griffith Hack
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- (71) TRI.O MEDICAL DEVICE LTD  
 (11) AU-A-2022266165  
 (21) 2022266165 (22) 25.04.2022  
 (54) SYSTEMS, APPARATUS AND METHODS FOR APPLYING GAS AND PRESSURE THERAPIES  
 (51) Int. Cl.  
**A61M 35/00** ( 2006.01 )  
**A61H 9/00** ( 2006.01 )  
**A61M 1/00** ( 2006.01 )  
 (87) WO2022/229821  
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(74) Belyea IP			63/288,024	10.12.21	US	(11) AU-A-2022274674	
			63/288,026	10.12.21	US	(21) 2022274674	(22) 14.03.2022
			(43) 17.11.2022			(54) FIRE-FIGHTING FOAM COMPOSITION	
(71) TRICKLESTAR LIMITED			(72) MONFILS, JoAnna M.; LIBAL, John P.			(51) Int. Cl.	
(11) AU-A-2022270986			(74) Spruson & Ferguson			<b>A62D 1/02</b> ( 2006.01 )	
(21) 2022270986	(22) 11.02.2022					(87) WO2022/240480	
(54) KEYBOARD			(71) TYCO FIRE PRODUCTS LP			(31) 63/188,633	(32) 14.05.21 (33) US
(51) Int. Cl.			(11) AU-A-2022272863			63/215,006	25.06.21 US
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<b>G06F 1/3231</b> ( 2019.01 )			(54) FIRE-FIGHTING FOAM CONCENTRATE			63/288,020	10.12.21 US
<b>G06F 3/02</b> ( 2006.01 )			(51) Int. Cl.			63/288,024	10.12.21 US
(87) WO2022/234347			<b>A62D 1/02</b> ( 2006.01 )			63/288,026	10.12.21 US
(31) 17/307,104	(32) 04.05.21 (33) US		(87) WO2022/238786			(43) 17.11.2022	
(43) 10.11.2022			(31) 63/188,633	(32) 14.05.21 (33) US		(72) MONFILS, JoAnna M.; LIBAL, John P.	
(72) EMBY, Bernard Christopher			63/215,006	25.06.21 US		(74) Spruson & Ferguson	
(74) Davies Collision Cave Pty Ltd			63/245,028	16.09.21 US			
			63/288,020	10.12.21 US		(71) TYCO FIRE PRODUCTS LP	
(71) TRINA SOLAR CO., LTD.			63/288,024	10.12.21 US		(11) AU-A-2022274864	
(11) AU-A-2022434597			63/288,026	10.12.21 US		(21) 2022274864	(22) 14.03.2022
(21) 2022434597	(22) 21.10.2022		63/297,384	07.01.22 US		(54) FIRE-FIGHTING FOAM CONCENTRATE	
(54) SUPPORT TRACKING METHOD AND SYSTEM, PHOTOVOLTAIC DEVICE, AND MEDIUM			(43) 17.11.2022			(51) Int. Cl.	
(51) Int. Cl.			(72) MONFILS, JoAnna M.; LIBAL, John P.; BOMANN, Blake H.; CHALTRY, Robert A.; MONFILS, Adam L.			<b>A62D 1/02</b> ( 2006.01 )	
<b>G05D 3/12</b> ( 2006.01 )			(74) Spruson & Ferguson			(87) WO2022/240478	
(87) WO2023/138132						(31) 63/188,633	(32) 14.05.21 (33) US
(31) 202210070932.8	(32) 21.01.22 (33) CN		(71) TYCO FIRE PRODUCTS LP			63/215,006	25.06.21 US
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(72) SUN, Kai; HUANG, Guokun; QUAN, Peng; ZHAO, Ming			(21) 2022274252	(22) 18.04.2022		63/288,020	10.12.21 US
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			(51) Int. Cl.			63/288,026	10.12.21 US
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(54) FIREFIGHTING FOAM COMPOSITION			63/288,020	10.12.21 US		(74) Baxter Patent Attorneys Pty Ltd	
(51) Int. Cl.			63/288,024	10.12.21 US			
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*B60L 53/53* ( 2019.01 )  
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*H01M 10/44* ( 2006.01 )  
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*G06F 1/26* ( 2006.01 )  
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AN-2-CARBOXAMIDES AS MODULAT-  
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(51) Int. Cl.  
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*A61K 31/443* ( 2006.01 )  
*C07D 405/12* ( 2006.01 )  
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Timothy Donald; HURLEY, Dennis  
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*A61K 31/443* ( 2006.01 )  
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(54) SUBSTITUTED TETRAHYDROFURAN  
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DIUM CHANNELS  
(51) Int. Cl.  
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*A61K 31/443* ( 2006.01 )  
*A61K 31/497* ( 2006.01 )  
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(54) N-(HYDROXYALKYL (HETERO)ARYL)  
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(11) AU-A-2022287029  
(21) 2022287029 (22) 03.06.2022  
(54) PROCESS FOR THE SYNTHESIS OF SUBSTITUTED TETRAHYDROFURAN
- MODULATORS OF SODIUM CHANNELS
- (51) Int. Cl.  
**C07D 405/12** ( 2006.01 )  
**C07D 307/20** ( 2006.01 )  
**C07D 307/24** ( 2006.01 )  
**C07D 307/34** ( 2006.01 )
- (87) WO2022/256660  
(31) 63/196,868 (32) 04.06.21 (33) US  
(43) 08.12.2022
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- (74) Spruson & Ferguson
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(11) AU-A-2022293242  
(21) 2022293242 (22) 16.06.2022  
(54) ELECTROLYTE FORMULATION
- (51) Int. Cl.  
**H01M 8/08** ( 2016.01 )  
**H01M 8/18** ( 2006.01 )
- (87) WO2022/265579  
(31) 10202106540Q (32) 17.06.21 (33) SG  
(43) 22.12.2022
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- (74) Davies Collision Cave Pty Ltd
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- (71) VGSK TECHNOLOGIES, INC.; DUZGUNES, N.  
(11) AU-A-2022270670  
(21) 2022270670 (22) 05.05.2022  
(54) LIPOSOME-ENCAPSULATED CORTICOSTEROIDS INHIBIT SARS-COV-2 REPLICATION AND REDUCES LUNG INFLAMMATION
- (51) Int. Cl.  
**A61K 9/127** ( 2006.01 )  
**A61K 31/573** ( 2006.01 )  
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- (74) FB Rice Pty Ltd
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(11) AU-A-2022293644  
(21) 2022293644 (22) 10.06.2022  
(54) CALIBRATED FLOW RATE SENSING AND FLOW CONTROL DEVICE
- (51) Int. Cl.  
**G01F 1/28** ( 2006.01 )  
**G01F 1/80** ( 2006.01 )
- (87) WO2022/265920  
(31) 63/212,209 (32) 18.06.21 (33) US
- (43) 22.12.2022
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- (74) Spruson & Ferguson
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(11) AU-A-2021447061  
(21) 2021447061 (22) 28.12.2021  
(54) LONG LINE LOITER APPARATUS, SYSTEM, AND METHOD
- (51) Int. Cl.  
**B66C 13/08** ( 2006.01 )  
**A61G 3/00** ( 2006.01 )
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(43) 01.12.2022
- (72) SIKORA, Derek; CARR, Caleb, B.; GOODRICH, Logan
- (74) GIRL FRIDAY IP PTY LTD
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(11) AU-A-2022278414  
(21) 2022278414 (22) 09.05.2022  
(54) ASSEMBLY COMPRISING AT LEAST ONE RAIL AND A SUPPORT
- (51) Int. Cl.  
**E01B 3/40** ( 2006.01 )  
**E01B 7/22** ( 2006.01 )
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- (74) Griffith Hack
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(21) 2022283386 (22) 27.05.2022  
(54) DRUG THERAPY DELIVERY SYSTEMS AND METHODS
- (51) Int. Cl.  
**A61K 9/00** ( 2006.01 )
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(43) 01.12.2022
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- (74) Griffith Hack
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(11) AU-A-2022275975  
(21) 2022275975 (22) 12.04.2022  
(54) FRAMEWORK SUPPORT
- (51) Int. Cl.  
**E04G 11/50** ( 2006.01 )  
**E04C 3/07** ( 2006.01 )  
**E04G 11/12** ( 2006.01 )  
**E04G 11/48** ( 2006.01 )

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**(72)** BEHRBOHM, Wolf C.  
**(74)** Davies Collison Cave Pty Ltd
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**(11)** AU-A-2022264812  
**(21)** 2022264812 **(22)** 26.04.2022  
**(54)** AMPLIFICATION OF SINGLE STRANDED DNA  
**(51)** Int. Cl.  
**C12Q 1/6806** ( 2018.01 )  
**(87)** WO2022/229128  
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**(43)** 03.11.2022  
**(72)** KUO, Richard Izen  
**(74)** FB Rice Pty Ltd
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- (71)** WONDERLAND SWITZERLAND AG  
**(11)** AU-A-2022257297  
**(21)** 2022257297 **(22)** 14.04.2022  
**(54)** SIDE IMPACT SAFETY PROTECTION DEVICE, CHILD SAFETY SEAT AND BASE  
**(51)** Int. Cl.  
**B60N 2/28** ( 2006.01 )  
**B60N 2/42** ( 2006.01 )  
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**(72)** GUO, Zhengwen; LI, Ruyi; MO, Xiaolong  
**(74)** ALLENS PATENT & TRADE MARK ATTORNEYS
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**(11)** AU-A-2022274893  
**(21)** 2022274893 **(22)** 11.05.2022  
**(54)** CHILD CARRIAGE WITH REMOVABLE SOFT GOODS  
**(51)** Int. Cl.  
**G01N 27/04** ( 2006.01 )  
**(87)** WO2022/240962  
**(31)** 63/188,163 **(32)** 13.05.21 **(33)** US  
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**(72)** HARTENSTINE, Curtis M.; HORST, Andrew J.  
**(74)** PIPERS
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**(11)** AU-A-2022271550  
**(21)** 2022271550 **(22)** 13.05.2022  
**(54)** ACID ADDITION SALT OF ROCK INHIBITOR, AND CRYSTAL FORM, COMPOSITION AND PHARMACEUTICAL USE THEREOF  
**(51)** Int. Cl.  
**C07D 403/04** ( 2006.01 )  
**A61K 31/40** ( 2006.01 )  
**A61K 31/415** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
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**(11)** AU-A-2022283436  
**(21)** 2022283436 **(22)** 27.05.2022  
**(54)** MULTI-SPECIFIC ANTIBODY CONSTRUCTS AGAINST THE MUC1-C/ EXTRACELLULAR DOMAIN ( MUC1-C/ECD)  
**(51)** Int. Cl.  
**A61K 39/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
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**C07K 16/00** ( 2006.01 )  
**C12P 21/08** ( 2006.01 )  
**(87)** WO2022/251695  
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**(43)** 01.12.2022  
**(72)** KHARBANDA, Surender; PANCHMOORTHY, Govind; KUFÉ, Donald, W.  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD.  
**(11)** AU-A-2022272489  
**(21)** 2022272489 **(22)** 10.05.2022  
**(54)** PHARMACEUTICAL COMPOSITIONS FOR TREATING NEUROLOGICAL CONDITIONS  
**(51)** Int. Cl.  
**A61K 31/416** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
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**A61P 25/16** ( 2006.01 )  
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**(72)** AMAL, Haitham; DOMB, Abraham Jacob  
**(74)** Spruson & Ferguson
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- (71)** YOSHINO GYPSUM CO., LTD.  
**(11)** AU-A-2022289781  
**(21)** 2022289781 **(22)** 28.04.2022  
**(54)** LATENT HEAT STORAGE GYPSUM BOARD AND PARTITION STRUCTURE  
**(51)** Int. Cl.
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- C04B 41/85** ( 2006.01 )  
**B32B 13/04** ( 2006.01 )  
**C09K 5/06** ( 2006.01 )  
**E04B 1/76** ( 2006.01 )  
**E04C 2/04** ( 2006.01 )  
**E04C 2/30** ( 2006.01 )  
**F28D 20/02** ( 2006.01 )  
**(87)** WO2022/259785  
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**(72)** NIIMI, Katsumi; SATO, Yosuke; NAITO, Daisuke  
**(74)** Spruson & Ferguson
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- (71)** ZENITHINGS SHENZHEN CO., LTD.  
**(11)** AU-A-2022434174  
**(21)** 2022434174 **(22)** 23.09.2022  
**(54)** DENTAL FLOSS DEVICE  
**(51)** Int. Cl.  
**A61C 15/04** ( 2006.01 )  
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**(72)** CHEN, Zhi; WANG, Xi; LIU, Zhen  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** ZHONGSHAN NEWSHUNXIANG ELECTRICAL APPLIANCE CO., LTD.  
**(11)** AU-A-2021439389  
**(21)** 2021439389 **(22)** 04.06.2021  
**(54)** WINE CABINET OR REFRIGERATOR WITH REFRIGERATOR DOOR GLASS DEFROSTING FUNCTION  
**(51)** Int. Cl.  
**F25D 21/04** ( 2006.01 )  
**A47F 3/04** ( 2006.01 )  
**(87)** WO2022/213472  
**(31)** 202110387530.6 **(32)** 10.04.21 **(33)** CN  
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**(72)** OU, Bo  
**(74)** Spruson & Ferguson
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- (71)** ZINCOVERY PROCESS TECHNOLOGIES LIMITED  
**(11)** AU-A-2023258630  
**(21)** 2023258630 **(22)** 28.04.2023  
**(54)** METHOD FOR PROCESSING MATERIALS CONTAINING IRON AND ZINC  
**(51)** Int. Cl.  
**C22B 19/30** ( 2006.01 )  
**C22B 7/00** ( 2006.01 )  
**C22B 7/02** ( 2006.01 )  
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**(87)** WO2023/209646  
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**(43)** 02.11.2023  
**(72)** MARSHALL, Aaron Timothy; HOULTON, Ben; LANDON LANE, Leatham  
**(74)** SR Intellectual Property
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- (71)** ZTE CORPORATION  
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**(21)** 2022454927 **(22)** 28.04.2022  
**(54)** INDICATION OF DEMODULATION REFERENCE SIGNAL (DMRS) AND

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- (43) 02.11.2023
- (72) MEI, Meng; GAO, Bo; LU, Zhaohua; ZHANG, Shujuan; YAO, Ke; ZHANG, Yang
- (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) ZYMEWORKS BC INC.  
 (11) AU-A-2022282813  
 (21) 2022282813 (22) 27.05.2022
- (54) CAMPTOTHECIN ANALOGUES, CONJUGATES AND METHODS OF USE
- (51) Int. Cl.  
**C07D 491/22** ( 2006.01 )  
**A61K 31/4745** ( 2006.01 )  
**A61K 31/5377** ( 2006.01 )  
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**A61K 47/50** ( 2017.01 )  
**A61K 47/68** ( 2017.01 )  
**A61P 31/12** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**C07D 519/00** ( 2006.01 )  
**C07K 16/00** ( 2006.01 )  
**C07K 16/08** ( 2006.01 )  
**C07K 16/18** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )
- (87) WO2022/246576
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| (31) 63/194,138 | (32) 27.05.21 | (33) US |
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- (43) 01.12.2022
- (72) PETERSEN, Mark Edmund; BRANT, Michael G.; COLOMBO, Raffaele; RICH, James R.; LASALLE, Manuel Michel Auguste; BARNSCHER, Stuart Daniel; DAS, Samir
- (74) RnB IP Pty Ltd

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2021439389	ZHONGSHAN NEWSHUNXIANG ELECTRICAL AP- PLIANCE CO., LTD.	2022258569	GENZYME CORPORATION
2021440222	GUANGZHOU BIOSEAL BIOTECH CO., LTD.; ETHICON, INC.	2022258644	DSM IP ASSETS B.V.
2021440977	FORGE PROCESS SYSTEMS LIMITED	2022258732	INTELLIA THERAPEUTICS, INC.
2021441444	GENERAL MILLS, INC.	2022258733	INTELLIA THERAPEUTICS, INC.
2021441501	SAVA HEALTHCARE LIMITED	2022258785	SOLAR WATER SOLUTIONS OY
2021441722	RED LEAF RESOURCES, INC.	2022258818	GUARDIAN GLASS, LLC
2021442410	KIMBERLY-CLARK WORLDWIDE, INC.	2022258873	INBIOSE N.V.
2021442702	ALETHIA BIOTHERAPEUTICS INC.	2022258874	INBIOSE N.V.
2021444203	NUVOE PTY LTD	2022259041	CATCHY BABY PTY LTD
2021444937	APRINOIA THERAPEUTICS LIMITED	2022259099	REPRIEVE CARDIOVASCULAR, INC.
2021445546	HUAWEI DIGITAL POWER TECHNOLOGIES CO., LTD.	2022259104	DOYLE, B.P.
2021446329	A.L.M HOLDING COMPANY	2022259106	THE SERENITY NOW COMPANY PTY LTD
2021446395	NOVINIUM, INC.	2022259171	TAN, S.
2021446660	FUJITSU LIMITED	2022259314	GENEQUANTUM HEALTHCARE (SUZHOU) CO., LTD.
2021446718	ROVI GUIDES, INC.	2022259559	CENTRE NATIONAL DE LA RECHERCHE SCIENTI- FIQUE; INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE; UNIVERSITÉ COTE D'AZUR; INSTITUT CURIE
2021447061	VITA INCLINATA IP HOLDINGS LLC	2022259686	TRANSLATE BIO, INC.
2021448459	ESSILOR INTERNATIONAL	2022260105	UMECRINE COGNITION AB
2021449562	NIPPON TELEGRAPH AND TELEPHONE CORPORA- TION	2022260111	ANJARIUM BIOSCIENCES AG
2021450924	FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	2022260398	LANXESS DEUTSCHLAND GMBH
2021451114	GANZ&GAR BUSINESS PASSION GMBH	2022260483	ARELAC, INC.
2021451387	TECHTRONIC CORDLESS GP	2022260531	ASTRAZENECA AB
2021451640	TECHTRONIC CORDLESS GP	2022260544	ASTRAZENECA AB
2021453389	KNAUF GIPS KG	2022260712	PLASMATICA LTD.
2021453881	KWAZULU-NATAL SHARKS BOARD	2022260822	MESOBLAST INTERNATIONAL SARL
2021454827	HALLIBURTON ENERGY SERVICES, INC.	2022261141	MYELOID THERAPEUTICS, INC.
2021455600	HALLIBURTON ENERGY SERVICES, INC.	2022261390	SORBONNE UNIVERSITE; INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (IN- SERM); ASSISTANCE PUBLIQUE - HOPITAUX DE PARIS
2022246929	ALACS, LLC	2022261422	ASTRAZENECA AB
2022256380	A2A PHARMACEUTICALS, INC.; ONCOCUBE THERAPEUTICS LLC	2022261504	MESOBLAST INTERNATIONAL SARL
2022256389	MOMENTA PHARMACEUTICALS, INC.	2022261569	CHIYODA CORPORATION
2022256395	JANSSSEN BIOTECH, INC.	2022261634	SASO Mitsuhiro; CROSS TECHNOLOGY LABO CO.,LTD.
2022256419	EC8 CONSULTING LIMITED	2022261722	CHEMOCENTRYX, INC.
2022256474	AXON ENTERPRISE, INC.	2022261862	TISENTO THERAPEUTICS INC.
2022256479	ASKLEPIOS BIOPHARMACEUTICAL, INC.	2022261865	TRANSLATE BIO, INC.
2022256497	COUR PHARMACEUTICALS DEVELOPMENT COM- PANY INC.	2022261995	THE CLEVELAND CLINIC FOUNDATION
2022256510	SPIROVANT SCIENCES, INC.	2022262295	INTDEVICE LIMITED
2022256796	INBIOSE N.V.	2022262313	NGUYEN, N.H.
2022256813	EAZYIV LTD	2022262338	BROWN UNIVERSITY
2022256947	DENTAL MANUFACTURING UNIT GMBH	2022262623	EMENDOBIO INC.
2022256996	N THERMA CORPORATION	2022262641	PRECISION BIOSCIENCES, INC.; UNIVERSITY OF MIAMI
2022257000	RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL	2022262656	CALABRIO, INC.
2022257016	PRINCIPIA BIOPHARMA, INC.	2022262742	UNIVERSITY OF TENNESSEE RESEARCH FOUNDA- TION
2022257020	ERASCA, INC.	2022262778	PRECISION BIOSCIENCES, INC.; UNIVERSITY OF MIAMI
2022257035	COUR PHARMACEUTICALS DEVELOPMENT COM- PANY INC.	2022263358	AMARIN PHARMACEUTICALS IRELAND LIMITED
2022257050	INTELLIA THERAPEUTICS, INC.	2022263420	CALABRIO, INC.
2022257118	TITAN PHARMACEUTICALS, INC.	2022263965	THE NIELSEN COMPANY (US), LLC
2022257297	WONDERLAND SWITZERLAND AG	2022264321	RELIANCE WORLDWIDE CORPORATION
2022257537	AGROETIKA S. DE R. L. DE C. V.	2022264506	TECHTRONIC FLOOR CARE TECHNOLOGY LIM- ITED
2022257908	ONECUREGEN CO., LTD.; ICURE BNP CO., LTD.; KOREA RESEARCH INSTITUTE OF BIOSCIENCE AND BIOTECHNOLOGY	2022264585	LOGICBIO THERAPEUTICS, INC.
2022257982	PHELAN, R.	2022264619	ALETHIA BIOTHERAPEUTICS INC.
2022257989	MCMASTER UNIVERSITY	2022264812	WOBBLE GENOMICS LIMITED
2022258017	BOSTON SCIENTIFIC NEUROMODULATION COR- PORATION	2022264966	ACERGY FRANCE SAS
2022258155	THE CHINESE UNIVERSITY OF HONG KONG	2022265022	TELEFIELD MEDICAL IMAGING LIMITED
2022258365	AKESO PHARMACEUTICALS, INC.; AD PHARMA- CEUTICALS CO., LTD.	2022265303	LORCH SCHWEISSTECHNIK GMBH
2022258431	ENVIRO AMBIENT CORPORATION	2022265413	GEORG FISCHER ROHRLEITUNGSSYSTEME AG
2022258467	PIPELINE THERAPEUTICS, INC.	2022265542	4BASEBIO, S.L.U.; 4BASEBIO UK LTD
		2022265562	JAVELO HEALTH LIMITED
		2022265742	HYDROSTOR INC.

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2022265756	DIGITAL SEAT MEDIA, INC.	2022272311	CARGILL, INCORPORATED
2022266165	TRI.O MEDICAL DEVICE LTD	2022272316	FORGE BIOLOGICS, INC.
2022266854	ALETHIA BIOTHERAPEUTICS INC.	2022272317	APPIA BIO, INC.
2022267044	PATHIOS THERAPEUTICS LIMITED	2022272329	UNIVERSITY OF MISSISSIPPI; DUDHIPALA, N.
2022267045	KINGSWAY ENTERPRISES (UK) LIMITED	2022272454	MEDELA HOLDING AG
2022267168	DAIKIN INDUSTRIES, LTD.	2022272462	ECTOSENSE NV
2022267230	CORNING INCORPORATED	2022272488	SATO PHARMACEUTICAL CO., LTD.
2022267254	MAIDEN AI, INC	2022272489	YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD.
2022267305	MORRISEY, S.P.	2022272560	BEIJING ZITIAO NETWORK TECHNOLOGY CO., LTD.
2022267322	AGIOS PHARMACEUTICALS, INC.	2022272594	CENTRICSBIO, INC.
2022267947	DE NORA PERMELEC LTD	2022272601	EDDY PUMP CORPORATION
2022268592	ENDOWAVE LTD.	2022272639	ALFA LAVAL MOATTI
2022268593	SLEIP AI AB	2022272652	KORALO GMBH
2022268706	PFIZER INC.	2022272723	BECTON, DICKINSON AND COMPANY
2022268827	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	2022272733	ANTLIA BIOSCIENCE, INC.
2022268885	FRIEDE & GOLDMAN, LLC D/B/A FRIEDE & GOLD- MAN, LTD.	2022272860	GW RESEARCH LIMITED
2022268921	SHOALS TECHNOLOGIES GROUP, LLC	2022272863	TYCO FIRE PRODUCTS LP
2022268964	SHOALS TECHNOLOGIES GROUP, LLC	2022272873	ILLUMISONICS INC.
2022268977	BIOGEN MA INC.; C4 THERAPEUTICS, INC.	2022272906	JANUX THERAPEUTICS, INC.
2022268994	LUNG BIOTECHNOLOGY PBC	2022272909	PURE LITHIUM CORPORATION
2022269013	LUNG BIOTECHNOLOGY PBC	2022272912	VANDERBILT UNIVERSITY
2022269042	EIGHTH DAY FOODS HOLDINGS PTY LTD	2022272918	CINGULATE THERAPEUTICS LLC
2022269043	LATERAL PHARMA PTY LTD	2022273046	BECTON, DICKINSON AND COMPANY
2022269069	LUNG BIOTECHNOLOGY PBC	2022273052	GEN-PROBE INCORPORATED
2022269077	ASTURA MEDICAL INC.	2022273179	BASF SE
2022269097	LANTERN PHARMA INC.	2022273226	HITACHI, LTD.
2022269277	RUAG AMMOTEC AG	2022273290	PASITHEA THERAPEUTICS CORP.
2022269279	HOBA THERAPEUTICS APS	2022273313	VELOCE ENERGY, INC.
2022269293	ROCSYS B.V.	2022273396	FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH
2022269311	SPEPHARM AG	2022273406	PSG GERMANY GMBH
2022269586	SHOALS TECHNOLOGIES GROUP, LLC	2022273481	AIMA CO.,LTD.
2022269664	GENERATION BIO CO.	2022273491	HUSQVARNA AB
2022269982	NANOFAENTECH CO., LTD.	2022273538	ADVANCED ENERGY STORAGE, LLC
2022270146	GENERATION BIO CO.	2022273541	GENENTECH, INC.
2022270167	LUNG BIOTECHNOLOGY PBC	2022273543	TAU MOTORS, INC.
2022270378	TCHIBO GMBH	2022273611	PURE LITHIUM CORPORATION
2022270543	IMMUNEONCIA THERAPEUTICS, INC.	2022273620	ROSE RESEARCH CENTER, LLC
2022270659	CEND THERAPEUTICS, INC.	2022273626	ARBORMENTIS LLC
2022270670	VGSK TECHNOLOGIES, INC.; DUZGUNES, N.	2022273715	PRIMEGEN US, INC.
2022270705	OHIO STATE INNOVATION FOUNDATION	2022273772	BECTON, DICKINSON AND COMPANY
2022270709	UNIVERSITY OF PITTSBURGH-OF THE COMMON- WEALTH SYSTEM OF HIGHER EDUCATION	2022273985	LATCH MEDICAL LIMITED
2022270986	TRICKLESTAR LIMITED	2022274079	SANDVIK MINING AND CONSTRUCTION AUS- TRALIA (PRODUCTION/SUPPLY) PTY LTD
2022270999	PERFETTI VAN MELLE S.P.A.	2022274122	FUTURES FINNS, LLC
2022271068	SUNTORY HOLDINGS LIMITED	2022274162	FONDAZIONE TELETHON
2022271112	INSTITUTE FOR BASIC SCIENCE; KOREA AD- VANCED INSTITUTE OF SCIENCE AND TECHNO- LOGY	2022274217	L.E.A.F. HOLDINGS GROUP LLC
2022271189	MESSER INDUSTRIES USA, INC.	2022274252	TYCO FIRE PRODUCTS LP
2022271212	REGENERON PHARMACEUTICALS, INC.	2022274292	SIKA TECHNOLOGY AG
2022271243	HUYABIO INTERNATIONAL, LLC	2022274345	MINITUBI MITSUBISHI HEAVY INDUSTRIES THERMAL SYS- TEMS, LTD.
2022271246	HELIX NANOTECHNOLOGIES, INC.	2022274664	FLEET SPACE TECHNOLOGIES PTY LTD
2022271291	FIBROBIOLOGICS	2022274669	STEELFAB INC.
2022271301	AUTOBAHN THERAPEUTICS, INC.	2022274673	TYCO FIRE PRODUCTS LP
2022271550	WUHAN LL SCIENCE AND TECHNOLOGY DEVEL- OPMENT CO., LTD.	2022274674	TYCO FIRE PRODUCTS LP
2022271602	SIKA TECHNOLOGY AG	2022274713	UNIVERSITY OF LEICESTER
2022271710	TYCO FIRE PRODUCTS LP	2022274725	DM SOLAR LIMITED
2022271834	CONSTELLATION PHARMACEUTICALS, INC.	2022274752	SCHLUMBERGER TECHNOLOGY B.V.
2022271918	TOPELIA AUST LIMITED (ACN 652 771 670)	2022274822	APPIA BIO, INC.
2022272021	JANSSEN BIOTECH, INC.; LEGEND BIOTECH USA INC.	2022274864	TYCO FIRE PRODUCTS LP
2022272132	TERNA S.P.A.	2022274883	RETAIN HEALTH, INC
2022272184	ORIC PHARMACEUTICALS, INC.	2022274893	WONDERLAND SWITZERLAND AG
2022272241	CROSSBULLET, LLC	2022274964	HSIN, S.
2022272243	VELOCE ENERGY, INC.	2022275010	PSG GERMANY GMBH
2022272250	BEAM THERAPEUTICS INC.	2022275079	SAGE ENTERTAINMENT PTY LTD
2022272259	MEDIVATORS INC.	2022275207	GW RESEARCH LIMITED
2022272263	SKILLZ PLATFORM INC.	2022275370	TRUSTEES OF TUFTS COLLEGE
2022272266	CENTRICSBIO, INC.	2022275376	BROOK & WHITTLE LIMITED
2022272294	BRIDGE MEDICINES	2022275382	NEP SUPERSHOOTERS, L.P.
		2022275552	GINKGO BIOWORKS, INC.
		2022275643	FNV IP B.V.
		2022275787	HOUSE OF DESIGN LLC



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2022275829	CHINA PETROLEUM & CHEMICAL CORPORATION; SINOPEC (BEIJING) RESEARCH INSTITUTE OF CHEMICAL INDUSTRY CO., LTD.	2022279283	MAKO SURGICAL CORP.
2022275869	AIR COMPANY HOLDINGS, INC.	2022279291	MANDEX, INC.
2022275878	CHINA PETROLEUM & CHEMICAL CORPORATION; SHANGHAI RESEARCH INSTITUTE OF PETRO- CHEMICAL TECHNOLOGY, SINOPEC	2022279333	INVENTIO AG
2022275920	CYRON, R.	2022279357	BASF SE
2022275928	CELLEDIT LLC	2022279565	ALIA INSTRUMENTS HOLDING B.V.
2022275940	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	2022279806	KAO CORPORATION
2022275971	NUOVO PIGNONE TECNOLOGIE - S.R.L.	2022279876	ISU ABXIS CO., LTD.
2022275975	WILHELM LAYHER VERWALTUNGS-GMBH	2022279924	CHEVRON PHILLIPS CHEMICAL COMPANY LP
2022275990	INVENTIO AG	2022279949	BECTON, DICKINSON AND COMPANY
2022276094	KARL LEIBINGER MEDIZINTECHNIK GMBH & CO. KG	2022279955	FAST BUILD SYSTEMS PTY LTD
2022276170	GREEN INDEPENDENCE S.R.L.	2022279956	UAM TEC PTY LTD
2022276422	EDWARDS LIFESCIENCES CORPORATION	2022280041	DARÉ BIOSCIENCE, INC.
2022276425	EDWARDS LIFESCIENCES CORPORATION	2022280062	THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES
2022276473	OXFORD NANOPORE TECHNOLOGIES PLC; IMPERIAL COLLEGE INNOVATIONS LIMITED	2022280091	LYELL IMMUNOPHARMA, INC.
2022276511	THE MEDICAL COLLEGE OF WISCONSIN, INC.	2022280100	NOBELL FOODS, INC.
2022276512	ENERGESIS PHARMACEUTICALS, INC.	2022280269	BEIJING ANXINHUAIDE BIOTECH. CO., LTD
2022276520	ROC OPCO LLC	2022280325	DEMATIC GMBH
2022276536	IONTRA INC	2022280405	UPL LIMITED
2022276540	TREACE MEDICAL CONCEPTS, INC.	2022280535	UAM TEC PTY LTD
2022276986	ONCONIC THERAPEUTICS INC.	2022280617	CINIS FERTILIZER AB
2022277013	FNV IP B.V.	2022280804	ALKERMES, INC.
2022277027	THE UNIVERSITY OF QUEENSLAND	2022280863	ARROWHEAD PHARMACEUTICALS, INC.
2022277047	SWETREE TECHNOLOGIES AB	2022280957	SANA BIOTECHNOLOGY, INC.
2022277167	NUCMITO PHARMACEUTICALS COMPANY LIMITED	2022281023	CAVION, INC.
2022277183	CATERPILLAR INC.	2022281025	THE MALISH CORPORATION
2022277296	BECTON, DICKINSON AND COMPANY	2022281056	ACTIVE BIOTECH AB
2022277323	ELUCENT MEDICAL, INC.	2022281188	NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO
2022277418	ASIMOV INC.	2022281268	KBR Wyle Services, LLC
2022277426	INSURANCE SERVICES OFFICE, INC.	2022281343	REVOLUTION MEDICINES, INC.
2022277431	DEXCOM, INC.	2022281345	ALKERMES, INC.
2022277464	HUAWEI TECHNOLOGIES CO., LTD.	2022281407	THE BROAD INSTITUTE, INC.; MASSACHUSETTS INSTITUTE OF TECHNOLOGY
2022277608	INVENTIO AG	2022281450	MALISH CORPORATION
2022277610	INVENTIO AG	2022281453	B2M MEDICAL, INC.
2022277645	CARBIO	2022281483	COHESYS INC.
2022277649	CELLECTIS S.A.	2022281691	PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.
2022277689	PRECISION BIOLOGICS, INC.	2022281749	SHANGHAI YINGLI PHARMACEUTICAL CO., LTD
2022277694	ELI LILLY AND COMPANY	2022282368	MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH
2022277724	25SEGMENTS AG	2022282374	KOIREADER TECHNOLOGIES, INC.
2022277812	CARBIO	2022282379	THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES
2022277840	BIOHAVEN THERAPEUTICS LTD.	2022282449	FUSION PHARMACEUTICALS INC.
2022277911	FLEXIBLE STEEL LACING COMPANY	2022282573	OCTARINE BIO APS
2022277915	INSULET CORPORATION	2022282609	OXFORD BIOTHERAPEUTICS LTD
2022277919	MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH	2022282634	BRITS, B.C.
2022277921	SOUTHERN MILLS, INC.	2022282667	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
2022277931	SANA BIOTECHNOLOGY, INC.	2022282798	NEWFANGLED TECH PTY LTD
2022277935	MOTION RACEWORKS, LLC	2022282805	HAYABUSA FIGHTWEAR INC.
2022277962	PHYLLOME IP PTY LTD	2022282813	ZYMEWORKS BC INC.
2022278242	LTT BIO-PHARMA CO., LTD.; MUSASHINO UNIVERSITY	2022282857	HALTER USA INC.
2022278285	SURV BIOPHARMA INC.	2022282881	ASIC MEDICAL BUHA LTD
2022278414	VOSSLOH COGIFER; SYSTRA FRANCE	2022282935	PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.
2022278417	BASF SE	2022283199	ILLINOIS TOOL WORKS INC.
2022278620	NLMK CLABECQ	2022283254	ALEXION PHARMACEUTICALS, INC.
2022278671	PHYSIDIA	2022283261	SACKETT, S.G.
2022278733	AURIGENE ONCOLOGY LIMITED	2022283344	BAOSHAN IRON & STEEL CO., LTD.
2022278861	GREGORY, P.; JOHNSON, A.	2022283386	W. L. GORE & ASSOCIATES, INC.
2022278868	QUEEN'S UNIVERSITY AT KINGSTON	2022283404	JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.; SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD.
2022278960	GACW INCORPORATED	2022283436	XYONE THERAPEUTICS INC.; DANA-FARBER CANCER INSTITUTE, INC.
2022279124	15 SECONDS OF FAME, INC.	2022283507	HULKA S.R.L.
2022279144	DEXCOM, INC.	2022283897	ELANCO US INC.
2022279213	UNIVERSITY OF MARYLAND, COLLEGE PARK; SILVEC BIOLOGICS INC.	2022283903	CHINOOK THERAPEUTICS, INC.
2022279220	METSO USA INC.		
2022279241	CODEXIS, INC.		
2022279282	DIGITAL SURGERY SYSTEMS, INC.		

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2022283935	GUARDANT HEALTH, INC.	2022292903	LEAD DISCOVERY CENTER GMBH
2022283952	PEACH TEATS LIMITED	2022293015	MUDALIAR, C.D.; MISHRA, A.R.
2022283993	FOUR PAWS PRODUCTS, LTD.	2022293027	MITSUBISHI HEAVY INDUSTRIES, LTD.
2022284188	GENENTECH, INC.	2022293242	V-FLOW TECH PTE. LTD.
2022284334	LESAFFRE ET COMPAGNIE	2022293478	ELANCO US, INC.
2022284873	LINEAGE LOGISTICS, LLC	2022293549	MEDLINE INDUSTRIES, LP
2022284886	VERTEX PHARMACEUTICALS INCORPORATED	2022293644	VICTAULIC COMPANY
2022285038	LINDE GMBH	2022293782	ANDRITZ AG
2022285138	UNIQUIRE BIOPHARMA B.V.	2022293999	ARGENX BV
2022285370	MITSUI CHEMICALS CROP & LIFE SOLUTIONS, INC.	2022294517	JFE STEEL CORPORATION
2022285372	OTSUKA PHARMACEUTICAL CO., LTD.	2022294911	MILWAUKEE ELECTRIC TOOL CORPORATION
2022285758	VERTEX PHARMACEUTICALS INCORPORATED	2022295062	PHARMAVAX AS
2022285805	SYNGENTA CROP PROTECTION AG	2022295668	BAYER HEALTHCARE LLC
2022285809	BIOTRONIK SE & CO. KG	2022295829	QUALITAS MANUFACTURING INCORPORATED
2022286347	AVALARA, INC.	2022296603	THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY
2022286422	LINEAGE LOGISTICS, LLC	2022296773	KAL-FIRE BEHEER B.V.
2022286438	VERTEX PHARMACEUTICALS INCORPORATED	2022297506	INSTITUTE OF ORGANIC CHEMISTRY AND BIO-CHEMISTRY AS CR, V. V. I.
2022286511	VERTEX PHARMACEUTICALS INCORPORATED	2022297735	AVERY DENNISON RETAIL INFORMATION SERVICES LLC
2022286618	EBERHARD KARLS UNIVERSITÄT TÜBINGEN	2022297839	ENI S.P.A.
2022286641	SQUAREMIND	2022298746	INSILICO MEDICINE IP LIMITED
2022286647	UNIQUIRE BIOPHARMA B.V.	2022299382	KAL-FIRE BEHEER B.V.
2022286664	AVIENT PROTECTIVE MATERIALS B.V.	2022299416	MARINE POWER SYSTEMS LIMITED
2022286687	SCOT YOUNG RESEARCH LIMITED	2022299418	JAZZ PHARMACEUTICALS IRELAND LIMITED
2022286796	P.R. SELLA B.V.	2022299664	PLASTEX SA; LOMBARDINI, M.
2022286851	MOLEAER, INC.	2022300356	IN THE BOWL ANIMAL HEALTH, INC.; READNOUR, R.S.; WILLARD, K.E.; WINKLE, J.R.
2022286923	HONOR SYSTEMS LLC	2022300617	IHI CORPORATION
2022287018	LINEAGE LOGISTICS, LLC	2022301848	MITSUBISHI HEAVY INDUSTRIES, LTD.; CHULALONGKORN UNIVERSITY
2022287029	VERTEX PHARMACEUTICALS INCORPORATED	2022302371	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2022287225	HELSINN HEALTHCARE SA; ANACARDIO AB	2022302458	ASAHI GROUP HOLDINGS, LTD.; ASAHI BREWERIES, LTD.
2022287232	IML INSTRUMENTA MECHANIK LABOR GMBH	2022302809	HANMI PHARM. CO., LTD.
2022287245	AVIENT PROTECTIVE MATERIALS B.V.	2022302907	RIGSHOSPITALET; UNIVERSITY OF COPENHAGEN
2022287278	CONVATEC LIMITED	2022302961	MICROSOFT TECHNOLOGY LICENSING, LLC
2022287294	ARCELORMITTAL	2022303029	HADDAD, W.S.
2022287326	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	2022303116	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2022287494	BUZZWORKS THINK TANK PTY LTD	2022303117	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2022288118	F. HOFFMANN-LA ROCHE AG; CHUGAI SEIYAKU KABUSHIKI KAISHA	2022303277	KEMPOWER OYJ
2022288123	INNATE PHARMA	2022303354	BOSTON SCIENTIFIC SCIMED, INC.; BOSTON SCIENTIFIC MEDICAL DEVICE LIMITED
2022288157	REALFACEVALUE B.V.	2022303921	MITSUBISHI HEAVY INDUSTRIES POWER IDS CO., LTD.
2022288317	CHR. HANSEN A/S	2022304091	SUMITOMO CHEMICAL COMPANY, LIMITED
2022288574	INNATE PHARMA	2022305492	LUJA HANSEN, S.
2022288619	CORN PRODUCTS DEVELOPMENT, INC.	2022306049	DANA-FARBER CANCER INSTITUTE, INC.
2022288634	REGENERON PHARMACEUTICALS, INC.	2022307519	SOMNETICS INTERNATIONAL, INC.
2022288916	HOLLISTER INCORPORATED	2022308677	HILTI AKTIENGESSELLSCHAFT
2022288945	ACCRO BIOSCIENCE (HK) LIMITED	2022308998	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
2022288996	MALLINCKRODT PHARMACEUTICALS IRELAND LIMITED	2022309158	SONY GROUP CORPORATION
2022289017	GENENTECH, INC.	2022309272	LEVIAT PTY LTD
2022289117	GIVAUDAN SA	2022309701	HALLIBURTON ENERGY SERVICES, INC.
2022289471	BECTON, DICKINSON AND COMPANY	2022312095	AMOVA GMBH
2022289535	MITSUBISHI HEAVY INDUSTRIES, LTD.	2022312204	KVERNELAND GROUP RAVENNA S.R.L.
2022289635	KORSHAMN, T.	2022312415	HALLIBURTON ENERGY SERVICES, INC.
2022289781	YOSHINO GYPSUM CO., LTD.	2022313292	SUNGROW POWER SUPPLY CO., LTD.
2022289854	EDWARDS LIFESCIENCES CORPORATION	2022314729	GENENTECH, INC.
2022290257	MERCK PATENT GMBH	2022314872	SIEMENS GAMESA RENEWABLE ENERGY A/S
2022290368	MSAID GMBH	2022316121	A.W. CHESTERTON COMPANY
2022290444	INTEGRAL GEOMETRY SCIENCE INC.	2022316138	EMORY UNIVERSITY
2022290666	MONASH UNIVERSITY	2022318650	STEPAN COMPANY
2022290877	BOSTON SCIENTIFIC SCIMED, INC.	2022320862	HEIDELBERG MATERIALS AG
2022291381	GILEAD SCIENCES, INC.	2022321895	CONVATEC LIMITED
2022291768	CELGENE CORPORATION	2022324260	SUNGROW POWER SUPPLY CO., LTD.
2022292096	ELANCO TIERGESUNDHEIT AG; BAYER ANIMAL HEALTH GMBH	2022326468	ELANCO US, INC.
2022292120	BÜHLER AG	2022328136	ABBVIE INC.
2022292184	EESTECH EUROPE HOLDINGS BV	2022328383	EDWARDS LIFESCIENCES CORPORATION
2022292241	KABUSHIKI KAISHA TOYOTA JIDOSHOKKI		
2022292254	JFE STEEL CORPORATION		
2022292430	PHIL AND TEDS DESIGN LIMITED		
2022292560	QUALITAS MANUFACTURING INCORPORATED		
2022292640	ALLOGENE THERAPEUTICS, INC.		

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2022330246 USTAV ORGANICKE CHEMIE A BIOCHEMIE AV CR,  
V. V. I.  
2022332976 STEPAN COMPANY  
2022335932 BIOSCEPTRE (AUST) PTY LTD  
2022341030 BIOSCEPTRE (AUST) PTY LTD  
2022352381 STAUDACHER, T.  
2022354505 APIX BIOSCIENCES; PHYTANT  
2022380886 CCTEG TAIYUAN RESEARCH INSTITUTE; SHANXI  
TIANDI COAL MINING MACHINERY CO., LTD.  
2022381847 ENDOMAGNETICS LTD.  
2022381877 CCTEG TAIYUAN RESEARCH INSTITUTE; SHANXI  
TIANDI COAL MINING MACHINERY CO., LTD.  
2022407919 LG ELECTRONICS INC.  
2022434174 ZENITHINGS SHENZHEN CO., LTD.  
2022434597 TRINA SOLAR CO., LTD.  
2022447729 RAYO 3D BIOTECH OY  
2022454927 ZTE CORPORATION  
2023203384 MAYTRONICS LTD.  
2023203937 FLOWSERVE PTE. LTD.  
2023221684 LG ENERGY SOLUTION, LTD.  
2023222843 JIANGNAN ENVIRONMENTAL TECHNOLOGY INC  
2023222995 Safe Roll Pty Ltd  
2023255407 KOH, C.  
2023258393 BCAL DIAGNOSTICS LIMITED  
2023258630 ZINCOVERY PROCESS TECHNOLOGIES LIMITED

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<b>A01G 9 /-</b>	2022285370	2022300356	<b>A45F 5 /-</b>	<b>A61B 18 /-</b>	<b>A61F 6 /-</b>
2022277962	2022285805	2022354505	2022287494	2022268592	2022280041
<b>A01H 1 /-</b>	2022292096	<b>A23K 50 /-</b>	<b>A47B 61 /-</b>	2022281453	<b>A61F 7 /-</b>
2022277047	2022293478	2022258644	2022407919	2022290877	2022281453
<b>A01H 3 /-</b>	2022304091	2022300356	<b>A47C 21 /-</b>	<b>A61B 3 /-</b>	<b>A61G 3 /-</b>
2022275552	2022332976	2022354505	<b>A47C 27 /-</b>	2022278868	2021447061
<b>A01K 13 /-</b>	<b>A01N 57 /-</b>	<b>A23L 11 /-</b>	<b>A47D 1 /-</b>	<b>A61B 34 /-</b>	2022257982
2022283993	2022318650	2022269042	2022259041	<b>A61B 5 /-</b>	<b>A61G 5 /-</b>
<b>A01K 15 /-</b>	<b>A01N 59 /-</b>	<b>A23L 19 /-</b>	<b>A47F 3 /-</b>	2021446718	2022286796
2022282857	2022267230	2021441444	2021439389	2022259099	<b>A61H 23 /-</b>
<b>A01K 17 /-</b>	2022272259	<b>A23L 2 /-</b>	<b>A47G 25 /-</b>	2022268593	2022352381
2022283993	2022279213	<b>A23L 27 /-</b>	2022259104	2022272462	<b>A61H 9 /-</b>
<b>A01K 27 /-</b>	<b>A01P 13 /-</b>	<b>A23L 29 /-</b>	<b>A47J 31 /-</b>	2022272873	2022266165
2022282857	2022332976	2022289117	2022270378	2022272912	<b>A61J 9 /-</b>
<b>A01K 29 /-</b>	<b>A01P 3 /-</b>	<b>A23L 3 /-</b>	<b>A47K 10 /-</b>	2022276422	2022283952
2022283993	2022285370	2022288619	2021442410	2022276425	<b>A61K 31 /-</b>
<b>A01K 79 /-</b>	2022332976	<b>A23L 31 /-</b>	<b>A61B 90 /-</b>	2022278868	2021441501
2021453881	2022304091	2022272652	2022260712	2022279144	2021442702
			2022277323	2022381847	2022257016
			2022381847	<b>A61C 15 /-</b>	2022257020
			2022434174		2022258467
					2022258873
					2022259559
					2022259686
					2022260105

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2022260531	<b><u>A61K 33 /-</u></b>	2022271212	<b><u>A61K 49 /-</u></b>	2022265562	<b><u>A61P 15 /-</u></b>
2022260822		2022271918		2022273046	
2022261722	2022260531	2022272021	2022272489	2022273772	2022280041
2022263358	2022280041	2022272266		2022277296	2022283404
2022264619		2022272489	<b><u>A61K 6 /-</u></b>	2022279949	2022283507
2022266854	<b><u>A61K 35 /-</u></b>	2022272594		2022282881	2022283897
2022267044		2022273290	2022276094		
2022267322	2022260822	2022273541		<b><u>A61M 27 /-</u></b>	<b><u>A61P 17 /-</u></b>
2022268977	2022261141	2022275928	<b><u>A61K 8 /-</u></b>		
2022269097	2022261504	2022277649		2022276422	2022274964
2022269311	2022264619	2022277689	2022262641	2022276425	2022279806
2022270670	2022269982	2022277694	2022279806		2022285372
2022271243	2022271291	2022282609		<b><u>A61M 31 /-</u></b>	2022314729
2022271246	2022271918	2022283436	<b><u>A61K 9 /-</u></b>	2022275370	<b><u>A61P 19 /-</u></b>
2022271301	2022272316	2022289017			
2022271550	2022272317	2022290257	2021441501	<b><u>A61M 35 /-</u></b>	2022278285
2022271834	2022273715	2022291381	2022256497		
2022271918	2022274822	2022292640	2022257050	2022266165	<b><u>A61P 21 /-</u></b>
2022272184	2022277931	2022302907	2022257118		
2022272294	2022278285	2022308998	2022257989	<b><u>A61M 37 /-</u></b>	2022256389
2022272489	2022280062	2022335932	2022258732		2022280804
2022272918	2022292640	2022341030	2022261865	2022273985	
2022273620			2022268706	2022275370	<b><u>A61P 23 /-</u></b>
2022273626	<b><u>A61K 36 /-</u></b>	<b><u>A61K 45 /-</u></b>	2022269043		
2022274217			2022269311	<b><u>A61M 39 /-</u></b>	2022269279
2022276094	2021441501	2022258365	2022270670		2022295062
2022276512	2022274964	2022258467	2022272489	2022273046	
2022276986		2022259314	2022272918	2022273772	<b><u>A61P 25 /-</u></b>
2022277167	<b><u>A61K 38 /-</u></b>	2022271834	2022275370	2022277296	
2022278733		2022272266	2022281056	2022278671	2021444937
2022279806	2022257000	2022272489	2022283386	2022282881	2022256479
2022280100	2022257118	2022272594			2022257989
2022280804	2022257908	2022278242	<b><u>A61L 2 /-</u></b>	<b><u>A61M 5 /-</u></b>	2022269279
2022280863	2022260111	2022279806	2022260712		2022271301
2022281023	2022261141	2022281343	2022272259	2022259099	2022271550
2022281056	2022262778	2022288118	2022407919	2022260544	2022272489
2022281345	2022269043	2022291381		2022261422	2022272918
2022281749	2022269279	2022295062	<b><u>A61L 24 /-</u></b>	2022275370	2022275207
2022282449	2022270659	2022302809		2022277915	2022277694
2022282573	2022270709		2022276094	2022289471	2022278242
2022282813	2022272250	<b><u>A61K 47 /-</u></b>	2022281483	2022295668	2022281023
2022283404	2022272316				2022282368
2022283507	2022272489	2021444937	<b><u>A61L 26 /-</u></b>	<b><u>A61N 1 /-</u></b>	2022291768
2022283903	2022272906	2022257050			2022298746
2022283934	2022274964	2022257989	2021440222	2022258017	2022299418
2022284188	2022278242	2022259314		2022285809	2022314729
2022284886	2022279806	2022268977	<b><u>A61L 27 /-</u></b>	2022286641	
2022285372	2022280269	2022269311			<b><u>A61P 27 /-</u></b>
2022285758	2022282368	2022270659	2022269013	<b><u>A61P 1 /-</u></b>	
2022286438	2022283254	2022272906	2022269069		2022272329
2022286511	2022283897	2022273626	2022270167	2022260105	2022278242
2022287225	2022288123	2022277840	2022276094	2022270543	
2022287326	2022288574	2022278242	2022282379	2022273715	<b><u>A61P 29 /-</u></b>
2022288118	2022288996	2022282609		2022277167	
2022288634	2022302809	2022282813	<b><u>A61L 31 /-</u></b>	2022278242	2022260544
2022288945		2022283254		2022288996	2022269982
2022291381	<b><u>A61K 39 /-</u></b>	2022283507	2022269013	2022302809	2022277694
2022291768		2022287326		2022314729	2022283934
2022292903	2021442702	2022302809	<b><u>A61M 1 /-</u></b>	<b><u>A61P 11 /-</u></b>	2022284886
2022295062	2022256389	2022302907			2022285758
2022296603	2022256497		2022266165	<b><u>A61P 11 /-</u></b>	2022286438
2022297506	2022257989	<b><u>A61K 48 /-</u></b>	2022272454		2022286511
2022298746	2022258365		2022273396	2022267044	2022292903
2022299418	2022260531	2022256479	2022278671	2022269043	2022293999
2022302809	2022261422	2022256510	2022282881	2022271550	2022314729
2022306049	2022264619	2022257000		2022284188	2022328136
2022314729	2022266854	2022261865	<b><u>A61M 16 /-</u></b>	2022302809	
2022316138	2022268706	2022269664		2022314729	<b><u>A61P 3 /-</u></b>
2022328136	2022269664	2022270146	2022307519	<b><u>A61P 13 /-</u></b>	
2022330246	2022270146	2022282368			2022260111
	2022270543		<b><u>A61M 25 /-</u></b>	2022278242	2022276512
	2022270709			2022288996	2022292903
	2022271112		2022256813		2022302809

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<b>A61P 31 /-</b>	<b>A61P 37 /-</b>	<b>A63B 21 /-</b>	<b>B21J 15 /-</b>	<b>B26D 1 /-</b>	<b>B60L 5 /-</b>
2022257989	2021442702	2022278861	2022289635	2022292660	2022303277
2022260822	2022257989	<b>A63B 69 /-</b>	<b>B23B 5 /-</b>	<b>B26D 7 /-</b>	<b>B60L 50 /-</b>
2022261504	2022261422	2022278861	2022305492	2022292660	2022292241
2022268706	2022266854	<b>A63B 71 /-</b>	<b>B23B 7 /-</b>	<b>B27G 15 /-</b>	<b>B60L 53 /-</b>
2022269982	2022267044	2022282805	2022305492	2022287232	2022269293
2022270670	2022268977	<b>A63F 13 /-</b>	<b>B23D 53 /-</b>	<b>B28B 21 /-</b>	2022272243
2022271918	2022269982	2022275079	2022305492	2022309272	2022273313
2022272316	2022270709	<b>B01D 11 /-</b>	<b>B23D 55 /-</b>	<b>B28B 23 /-</b>	2022303277
2022274713	2022271246	2022277027	2022305492	2022309272	<b>B60L 58 /-</b>
2022282813	2022279806	<b>B01D 25 /-</b>	<b>B23K 1 /-</b>	<b>B28D 1 /-</b>	2022292241
2022302809	2022282813	2022272639	2022267168	2022273491	<b>B60N 2 /-</b>
2022308998	2022285372	<b>B01D 3 /-</b>	<b>B23K 35 /-</b>	2022308677	2022257297
<b>A61P 35 /-</b>	2022289017	<b>B01D 53 /-</b>	<b>B23K 9 /-</b>	<b>B29C 51 /-</b>	<b>B61B 1 /-</b>
2022292903	2022292903	2021441722	2022265303	2022256947	2022257982
2022314729	2022314729	<b>B01D 63 /-</b>	<b>B24B 41 /-</b>	<b>B29C 64 /-</b>	<b>B62B 7 /-</b>
2021442702	<b>A61P 39 /-</b>	2022258431	2022281450	2022268994	2022292430
2022256380	2022278242	2022271189	<b>B24B 49 /-</b>	2022447729	<b>B62B 9 /-</b>
2022257000	<b>A61P 43 /-</b>	2022275940	<b>B24B 7 /-</b>	<b>B32B 1 /-</b>	2022292430
2022257020	2022279806	2022281691	<b>B24D 18 /-</b>	<b>B32B 13 /-</b>	<b>B62J 1 /-</b>
2022257908	2022280804	2022282935	2022281025	2022275376	2022259106
2022258365	2022281023	2023222843	<b>B24D 3 /-</b>	<b>B32B 27 /-</b>	<b>B62K 21 /-</b>
2022259314	2022281345	<b>B01J 20 /-</b>	2022281025	2022275376	2022278861
2022259559	2022282609	2022281691	<b>B24D 7 /-</b>	<b>B33Y 70 /-</b>	<b>B63B 13 /-</b>
2022261141	2022299418	2022282935	2022281025	2022268994	2022280535
2022262742	<b>A61P 5 /-</b>	<b>B01J 23 /-</b>	<b>B25B 25 /-</b>	2022270167	<b>B63B 21 /-</b>
2022264619	2022314729	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>	<b>B33Y 80 /-</b>	<b>B63B 3 /-</b>
2022266854	<b>A61P 7 /-</b>	2022275940	<b>B25B 27 /-</b>	2022268994	2022279956
2022267044	2022257016	<b>B01J 35 /-</b>	2022281025	2022269069	2022280535
2022268977	2022267322	2022261569	2022281450	2022270167	<b>B63B 32 /-</b>
2022269097	2022271834	2022275940	<b>B25B 25 /-</b>	2022275920	2022274122
2022269982	<b>A61P 9 /-</b>	<b>B01J 35 /-</b>	<b>B25B 27 /-</b>	<b>B42D 25 /-</b>	<b>B63G 8 /-</b>
2022270543	2022271246	2022261569	<b>B25B 27 /-</b>	2022273179	2022279956
2022271112	2022271291	2022275940	2022281025	<b>B60B 9 /-</b>	2022280535
2022271243	2022272184	<b>B01J 23 /-</b>	<b>B25B 27 /-</b>	2022278960	<b>B65B 13 /-</b>
2022271246	2022272266	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>	2022273538	<b>B65B 53 /-</b>
2022271291	2022272294	2022275940	<b>B25B 27 /-</b>	<b>B60K 6 /-</b>	2022275376
2022271291	2022272317	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>	<b>B60L 3 /-</b>	<b>B65D 23 /-</b>
2022272184	2022272489	2022275940	<b>B25B 27 /-</b>	2022292241	2021444203
2022272266	2022272594	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>	2022303277	
2022272294	2022272906	2022275940	<b>B25B 27 /-</b>		
2022272317	2022273290	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022272489	2022273541	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022272594	2022273541	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022272906	2022276986	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022273290	2022277167	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022273541	2022277649	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022276986	2022278242	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022277167	2022278285	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022277649	2022278285	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022278242	2022280091	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022278285	2022280269	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022280091	2022281056	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022280269	2022281343	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022281056	2022281749	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022281343	2022282609	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022281749	2022282813	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022282609	2022283436	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022282813	2022287326	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022283436	2022288118	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022287326	2022288574	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022288118	2022291381	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022288574	2022292640	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022291381	2022292903	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022292640	2022302907	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022292903	2022314729	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022302907	2022330246	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022314729	2022335932	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022330246	2022341030	<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022335932		<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		
2022341030		<b>B01J 29 /-</b>	<b>B25B 27 /-</b>		

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<b><u>B65D 25 /-</u></b>	<b><u>B65H 67 /-</u></b>	<b><u>C04B 7 /-</u></b>	<b><u>C07C 43 /-</u></b>	2022278733	2022286511
2021444203	2023222995	2022260483	2022275207	2022285805	2022287029
2022302371				2022293478	2022328136
<b><u>B65D 33 /-</u></b>	<b><u>B66C 1 /-</u></b>	<b><u>C05D 1 /-</u></b>	<b><u>C07C 69 /-</u></b>	<b><u>C07D 263 /-</u></b>	<b><u>C07D 407 /-</u></b>
2022256419	20222309272	2022280617	2022272860	2022271301	2022256380
2022302371					2022283934
2022303116	<b><u>B66C 13 /-</u></b>	<b><u>C07B 61 /-</u></b>	<b><u>C07C 7 /-</u></b>	<b><u>C07D 271 /-</u></b>	
2022303117	2021447061	2022261569	2022279924	2022285805	<b><u>C07D 409 /-</u></b>
<b><u>B65D 43 /-</u></b>	<b><u>B82Y 10 /-</u></b>	<b><u>C07C 1 /-</u></b>	<b><u>C07C 9 /-</u></b>	<b><u>C07D 277 /-</u></b>	2022256380
2022303116	2022281268	2022275869	2022275869	2022259559	2022272184
<b><u>B65D 47 /-</u></b>	<b><u>B82Y 20 /-</u></b>	<b><u>C07C 11 /-</u></b>	<b><u>C07D 205 /-</u></b>	2022275207	2022283934
2022272488	2022281268	2022279924	2022271301	2022285805	<b><u>C07D 411 /-</u></b>
<b><u>B65D 77 /-</u></b>	<b><u>C01B 32 /-</u></b>	<b><u>C07C 13 /-</u></b>	<b><u>C07D 209 /-</u></b>	<b><u>C07D 285 /-</u></b>	2022256380
2022303116	2022256996	2022277167	2022271301	2022285805	<b><u>C07D 413 /-</u></b>
2022303117					2022256380
<b><u>B65D 81 /-</u></b>	<b><u>C01C 1 /-</u></b>	<b><u>C07C 2 /-</u></b>	<b><u>C07D 213 /-</u></b>	<b><u>C07D 295 /-</u></b>	2022271301
2022297735	2022260483	2022279924	2022271301	2022259686	2022272184
<b><u>B65D 83 /-</u></b>	2022285038	<b><u>C07C 209 /-</u></b>	2022274713	2022278417	2022278733
2022272488	<b><u>C01D 5 /-</u></b>	2022261569	2022275207	2021442702	2022279357
<b><u>B65G 1 /-</u></b>	2022280617	<b><u>C07C 211 /-</u></b>	2022299418	2022264619	2022280405
2022277962	<b><u>C01F 11 /-</u></b>	2022261569	<b><u>C07D 215 /-</u></b>	2022266854	2022283934
2022312095	2022260483	<b><u>C07C 235 /-</u></b>	<b><u>C07D 217 /-</u></b>	<b><u>C07D 307 /-</u></b>	2022285758
<b><u>B65G 25 /-</u></b>	<b><u>C02F 1 /-</u></b>	2022271301	2022285805	2022271301	2022292096
2022256419	2021444203	<b><u>C07C 255 /-</u></b>	<b><u>C07D 223 /-</u></b>	2022287029	2022304091
<b><u>B65G 45 /-</u></b>	2022267947	2022275207	2022288945	2022299418	2022326468
2022277911	2022277919	<b><u>C07C 267 /-</u></b>	<b><u>C07D 231 /-</u></b>	<b><u>C07D 401 /-</u></b>	2022328136
<b><u>B65G 47 /-</u></b>	2022280617	2022260398	2022271301	2022256380	2022259559
2022262313	2022286851	<b><u>C02F 11 /-</u></b>	2022275207	2022271301	2022272184
2022280325	2022293782	2022282798	2022280405	2022272184	2022283934
<b><u>B65G 5 /-</u></b>	<b><u>C04B 2 /-</u></b>	2022293782	2022285805	2022281749	2022328136
2022265742	2022260483	<b><u>C07C 269 /-</u></b>	2022299418	2022291768	<b><u>C07D 471 /-</u></b>
<b><u>B65G 57 /-</u></b>	<b><u>C04B 20 /-</u></b>	2022293015	<b><u>C07D 235 /-</u></b>	2022299418	2022267044
2022256419	2022274292	<b><u>C07C 271 /-</u></b>	2022259559	2022304091	2022271243
<b><u>B65G 59 /-</u></b>	2022320862	<b><u>C07C 275 /-</u></b>	<b><u>C07D 237 /-</u></b>	2022306049	2022272184
2022256419	<b><u>C04B 26 /-</u></b>	2022269097	2022271301	2022328136	2022272294
<b><u>B65G 63 /-</u></b>	2021453389	2022293015	2022271301	2022256380	2022283934
2022312095	<b><u>C04B 28 /-</u></b>	<b><u>C07C 291 /-</u></b>	<b><u>C07D 239 /-</u></b>	2022271243	2022285758
<b><u>B65G 7 /-</u></b>	2022260483	2022274713	2022271301	2022271301	2022292903
2022262313	2022271602	<b><u>C07C 335 /-</u></b>	<b><u>C07D 249 /-</u></b>	2022271550	2022298746
<b><u>B65H 54 /-</u></b>	2022274292	2022269097	2022262742	2022272184	2022299418
2023222995	2022289781	2022269097	2022274713	2022272294	<b><u>C07D 473 /-</u></b>
		<b><u>C07C 39 /-</u></b>	2022281749	2022281749	2022258733
		2022272860	2022299418	2022283404	<b><u>C07D 487 /-</u></b>
		2022275207	2022299418	2022291768	2022258467
				2022298746	2022261862
				<b><u>C07D 405 /-</u></b>	2022268977
				2022284886	2022271243
				2022285758	2022272184
				2022286438	2022281749
					2022283934
					2022285372
					2022285758

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<b>C07D 491 /-</b>	2022272733 2022273290	<b>C07K 7 /-</b>	<b>C08L 5 /-</b>	<b>C12N 1 /-</b>	2022286647
2022272184	2022274822	2022257908	2022284334	2022272652	<b>C12N 9 /-</b>
2022282813	2022275552	2022276520	2022288619	2022275552	2022256796
2022283934	2022275928	2022297506			2022258873
2022285758	2022277649		<b>C08L 53 /-</b>	<b>C12N 11 /-</b>	2022258874
2022286438	2022280091	<b>C08B 37 /-</b>	2022273179	2022257989	2022260111
	2022280957	2022288619			2022262623
<b>C07D 493 /-</b>	2022283254		<b>C08L 95 /-</b>	<b>C12N 13 /-</b>	2022262641
2022285758	2022283897	<b>C08B 5 /-</b>	2022284334	2022292120	2022262778
	2022285138	2021450924			2022272316
<b>C07D 495 /-</b>	2022288123		<b>C09D 11 /-</b>	<b>C12N 15 /-</b>	2022272723
2022268977		<b>C07K 16 /-</b>	2022268994	2022256479	2022276511
2022272184	2021442702	<b>C08F 222 /-</b>		2022256510	2022277418
	2022256389	2022273179	<b>C09D 151 /-</b>	2022256796	2022279241
<b>C07D 498 /-</b>	2022256497	<b>C08F 232 /-</b>	2022273179	2022257000	2022282573
2022272184	2022258365	2022276094		2022257050	<b>C12P 13 /-</b>
2022278417	2022260531	<b>C08F 287 /-</b>	<b>C09D 153 /-</b>	2022258365	2022282573
2022279357	2022260544	2022273179	2022273179	2022258732	
2022280804	2022261141	<b>C08F 290 /-</b>		2022258733	<b>C12P 17 /-</b>
2022281345	2022261390	2022273179	<b>C09D 5 /-</b>	2022258874	2022282573
2022281749	2022261422		2022273179	2022262338	
2022283934	2022264619	<b>C08F 291 /-</b>		2022262623	<b>C12P 19 /-</b>
2022285758	2022266854	2022332976	<b>C09D 7 /-</b>	2022264585	2022258874
2022314729	2022270543		2022273179	2022265542	2022280100
	2022271112	<b>C08F 292 /-</b>		2022269664	
<b>C07D 519 /-</b>	2022271212	2022273179	<b>C09J 11 /-</b>	2022270146	<b>C12P 21 /-</b>
2022268977	2022272266		2022273179	2022272250	2022283436
2022282813	2022272594	<b>C08F 293 /-</b>	<b>C09J 175 /-</b>	2022272723	2022290257
2022284188	2022272906	2022273179	2022281483	2022273481	
2022292903	2022272906	<b>C08F 297 /-</b>		2022274162	<b>C12P 7 /-</b>
	2022273290	2022275829	<b>C09J 7 /-</b>	2022274822	2022277812
<b>C07D 521 /-</b>	2022273541		2022281483	2022275552	
2022283934	2022277649	<b>C08F 297 /-</b>		2022277047	<b>C12Q 1 /-</b>
	2022277689	2022275829	<b>C09J 7 /-</b>	2022277418	2022258155
	2022277694	<b>C08F 8 /-</b>	2022281483	2022277649	2022264812
<b>C07F 9 /-</b>	2022279876	2022275829		2022277931	2022265542
2022272184	2022282609	<b>C08F 8 /-</b>	<b>C09J 7 /-</b>	2022279213	2022272316
2022276094	2022282813	2022275829	2022281483	2022279241	2022273052
2022287326	2022283436	<b>C08G 18 /-</b>	<b>C09K 23 /-</b>	2022279876	2022273481
2022293015	2022288123	2022260398	2022284334	2022280091	2022276473
	2022288574	<b>C08G 61 /-</b>		2022280269	2022276511
<b>C07H 13 /-</b>	2022289017	2022276094	<b>C09K 5 /-</b>	2022280863	2022280100
2022297506	2022290257		2022289781	2022280957	2022280863
	2022293999	<b>C08G 75 /-</b>	<b>C10G 1 /-</b>	2022282573	2022281407
<b>C07H 19 /-</b>	2022302907	2022276094	2021441722	2022285138	
2022271246	2022335932			2022286618	<b>C12B 13 /-</b>
	2022341030	<b>C08G 75 /-</b>	<b>C10G 9 /-</b>	2022288634	2022287294
<b>C07H 21 /-</b>		2022276094	2021441722	2022290257	2022292254
2022271246	<b>C07K 17 /-</b>	2022276094	<b>C10G 9 /-</b>	2022296603	2022294517
2022272733	2022257989	<b>C08J 11 /-</b>	<b>C10G 9 /-</b>		
2022280863	<b>C07K 19 /-</b>	2022277645	2021441722	<b>C12N 5 /-</b>	2022287294
2022330246	2022280269	2022277812		2022258569	2022292254
	2022283254	<b>C08J 3 /-</b>	<b>C10L 9 /-</b>	2022261141	2022294517
<b>C07K 1 /-</b>	<b>C07K 2 /-</b>	2022281188	2022281188	2022264619	<b>C21C 5 /-</b>
2022272733	2022259314	<b>C12G 3 /-</b>	<b>C12G 3 /-</b>	2022269982	2022280617
		2022302458	2022302458	2022271291	
<b>C07K 14 /-</b>	<b>C07K 4 /-</b>	<b>C12M 1 /-</b>	<b>C12M 1 /-</b>	2022272317	<b>C21D 1 /-</b>
2022257908	2022259314	2022256395	2022256395	2022273715	2022278620
2022257989	<b>C07K 5 /-</b>	2022262338	2022262338	2022274822	
2022258874	2022276520	2022292120	2022292120	2022277931	<b>C21D 8 /-</b>
2022269982				2022280062	2022278620
2022271212		<b>C08L 1 /-</b>	<b>C12N 7 /-</b>	2022280091	2022283344
2022272316		2022288619	2022256479	2022292640	



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<b>C21D 9 /-</b>	<b>E02B 17 /-</b>	<b>E05F 15 /-</b>	<b>F02D 9 /-</b>	<b>F16L 3 /-</b>	<b>F26B 9 /-</b>
2022278620	2022268885	2022277608	2022277935	2022268921 2022268964 2022269586	2022407919
<b>C22B 1 /-</b>	<b>E02F 9 /-</b>	<b>E05F 17 /-</b>	<b>F02M 69 /-</b>		<b>F27B 14 /-</b>
2022292254	2022274079	2022275990	2022277935	<b>F16L 33 /-</b>	2022292184
<b>C22B 19 /-</b>	<b>E04B 1 /-</b>	<b>E06B 3 /-</b>	<b>F03B 13 /-</b>	2022264321	<b>F27B 3 /-</b>
2023258630	2022289781	2022258818 2022275990	2022297839 2022299416	<b>F16L 47 /-</b>	2022292184
<b>C22B 34 /-</b>	<b>E04C 2 /-</b>	<b>E06B 9 /-</b>	<b>F03B 15 /-</b>	2022267168	<b>F27D 11 /-</b>
2022280617	2022289781	2022258818 2022292560 2022295829 2022299664	<b>F03D 13 /-</b>	<b>F16L 5 /-</b>	2022292184
<b>C22B 7 /-</b>	<b>E04C 3 /-</b>		2022314872	2022264321	<b>F28D 20 /-</b>
2022280617 2023258630	2022275975			<b>F16L 9 /-</b>	2022289781
<b>C22C 38 /-</b>	<b>E04F 13 /-</b>	<b>E21B 17 /-</b>	<b>F03D 9 /-</b>	2022309272	<b>F28F 1 /-</b>
	2021453389	2021454827 2021455600	2022297839	<b>F17C 1 /-</b>	2022267168
2022278620 2022283344	<b>E04F 21 /-</b>		2022314872	2022265742	<b>F28F 9 /-</b>
<b>C23C 14 /-</b>	2022256419	<b>E21B 21 /-</b>	<b>F04C 15 /-</b>	<b>F17C 13 /-</b>	2022267168
2022258818	<b>E04G 11 /-</b>	2022272601	2022273406	2022265742	<b>F41B 15 /-</b>
<b>C25B 1 /-</b>	2022275975 2022279955	<b>E21B 23 /-</b>	<b>F04C 5 /-</b>	<b>F23C 99 /-</b>	2022256474
2022267947 2022276170 2022285038 2022286851 2022290666	<b>E04G 15 /-</b>	2021455600	2022273406 2022275010	2022303921	<b>F41H 13 /-</b>
<b>C25B 15 /-</b>	2022279955	<b>E21B 29 /-</b>	<b>F04D 13 /-</b>	<b>F23D 14 /-</b>	2022256474
2022267947	<b>E04G 17 /-</b>	2022309701 2022312415	2021451640	2022303921	<b>F41H 5 /-</b>
<b>C25B 3 /-</b>	2023203384	<b>E21B 34 /-</b>	<b>F04D 29 /-</b>	<b>F23K 5 /-</b>	2022286664 2022287245
2022276170	<b>E04H 4 /-</b>	2021454827	2021451640	2022296773 2022299382	<b>F42B 10 /-</b>
<b>C25B 9 /-</b>	2022267045	<b>E21B 43 /-</b>	<b>F15B 1 /-</b>	<b>F24F 1 /-</b>	2022272241
2022267947 2022276170	<b>E05B 13 /-</b>	2021441722 2021455600 2022274752	2022265742 2022273538	2022274345	<b>F42B 12 /-</b>
<b>D03D 1 /-</b>	2022267045	<b>E21B 7 /-</b>	<b>F16J 15 /-</b>	<b>F24S 20 /-</b>	2022269277
2022277921	<b>E05B 15 /-</b>	2021455600 2022274752 2022309701 2022312415	2021455600 2022316121 2023203937	2022285038	<b>F42B 14 /-</b>
<b>D03D 15 /-</b>	2022279333		<b>F16K 1 /-</b>	<b>F24S 25 /-</b>	2022269277
2022277921	<b>E05B 47 /-</b>	<b>E21C 25 /-</b>	2022283952	2021451114	<b>F42B 33 /-</b>
<b>D06F 57 /-</b>	2022267045 2022279333	2022380886 2022381877	<b>F16K 24 /-</b>	<b>F25B 41 /-</b>	2022269277
2022259104	<b>E05B 65 /-</b>	<b>E21D 20 /-</b>	2022283952	2022267168	<b>G01B 11 /-</b>
<b>E01B 3 /-</b>	2022279333	2022381877	<b>F16K 27 /-</b>	2021439389	<b>G01B 21 /-</b>
2022278414	<b>E05C 3 /-</b>	<b>E21D 9 /-</b>	2022265413 2022407919	<b>F25D 21 /-</b>	2022256419
<b>E01B 7 /-</b>	2022279333	2022380886 2022381877	<b>F16K 31 /-</b>	2022285038	2022274079
2022278414	<b>E05D 15 /-</b>	<b>E21F 17 /-</b>	<b>F16L 27 /-</b>	<b>F25J 3 /-</b>	<b>G01B 7 /-</b>
<b>E01H 11 /-</b>	2022275990 2022277610	2022380886	2021451640 2022282634	<b>F26B 21 /-</b>	2022256419
2022303029				2022407919	<b>G01C 13 /-</b>
					2022279956

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<b><u>G01F 1 /-</u></b>		<b><u>G06F 1 /-</u></b>	<b><u>G06Q 40 /-</u></b>	<b><u>G16C 20 /-</u></b>	2022275878
2022293644	<b><u>G01R 31 /-</u></b>	2021440977	2022286347	2022290368	<b><u>H01M 50 /-</u></b>
<b><u>G01M 11 /-</u></b>	2022276536	2022270986	<b><u>G06Q 50 /-</u></b>	<b><u>G16H 20 /-</u></b>	2023221684
2021448459	2022282857	2022273313	2022284873	2021448459	<b><u>H01M 6 /-</u></b>
<b><u>G01M 13 /-</u></b>	<b><u>G01R 33 /-</u></b>	<b><u>G06F 21 /-</u></b>	2022286422	<b><u>G16H 40 /-</u></b>	2022261634
2022275971	2022381847	2021449562	<b><u>G06T 11 /-</u></b>	2022277431	<b><u>H01M 8 /-</u></b>
<b><u>G01M 99 /-</u></b>	<b><u>G01S 13 /-</u></b>	2022279291	2022288157	2022279144	2022289535
2022275971	2022275643	2022328452	<b><u>G06T 13 /-</u></b>	2022285809	2022293027
<b><u>G01N 1 /-</u></b>	2022277013	<b><u>G06F 3 /-</u></b>	2022275079	<b><u>G16H 50 /-</u></b>	2022293242
2022277027	<b><u>G01S 15 /-</u></b>	2021446718	<b><u>G06T 15 /-</u></b>	2022261995	<b><u>H01Q 1 /-</u></b>
<b><u>G01N 15 /-</u></b>	2022275643	2022270986	2022275079	2022274883	2022297735
2022272873	2022277013	2022275079	<b><u>G06T 17 /-</u></b>	2022277431	<b><u>H02G 1 /-</u></b>
<b><u>G01N 21 /-</u></b>	<b><u>G01S 17 /-</u></b>	2023255407	2022267254	2022283935	2021446395
2021448459	2022265022	<b><u>G06F 40 /-</u></b>	2022309158	<b><u>H01B 13 /-</u></b>	<b><u>H02G 15 /-</u></b>
2022272873	<b><u>G01S 19 /-</u></b>	2022262656	<b><u>G06T 19 /-</u></b>	2021446395	2021446395
2022275971	<b><u>G01S 7 /-</u></b>	2022263420	2022267254	<b><u>H01B 7 /-</u></b>	<b><u>H02G 3 /-</u></b>
2022277027	2022275643	<b><u>G06F 8 /-</u></b>	2022275079	<b><u>H01F 19 /-</u></b>	2022268921
<b><u>G01N 22 /-</u></b>	2022277013	2022286923	<b><u>G06T 5 /-</u></b>	2022282857	2022269586
2022290444	<b><u>G01V 1 /-</u></b>	<b><u>G06F 9 /-</u></b>	2022286641	<b><u>H01G 11 /-</u></b>	<b><u>H02J 3 /-</u></b>
<b><u>G01N 27 /-</u></b>	2022274664	2022286347	<b><u>G06T 7 /-</u></b>	2022261634	2021440977
2022262338	<b><u>G02B 1 /-</u></b>	<b><u>G06K 19 /-</u></b>	2022256419	<b><u>H01G 4 /-</u></b>	2021445546
2022274893	2022260712	2022297735	2022267254	2022282857	2022272132
<b><u>G01N 33 /-</u></b>	<b><u>G02B 27 /-</u></b>	<b><u>G06N 10 /-</u></b>	2022277426	<b><u>H01J 37 /-</u></b>	2022273313
2022257035	2022260712	2022281268	2022286641	<b><u>H01J 49 /-</u></b>	2022300617
2022258365	<b><u>G02C 7 /-</u></b>	<b><u>G06N 20 /-</u></b>	<b><u>G06V 10 /-</u></b>	2022260712	<b><u>H02J 5 /-</u></b>
2022260544	2022270705	2022262656	2022272873	<b><u>H01J 50 /-</u></b>	2022262295
2022261390	<b><u>G02F 1 /-</u></b>	<b><u>G06N 3 /-</u></b>	2022277426	<b><u>H01L 31 /-</u></b>	2023203384
2022270167	2022281268	2022267254	2022268593	2022268921	<b><u>H02J 7 /-</u></b>
2022271918	<b><u>G05B 19 /-</u></b>	2022277426	<b><u>G08B 1 /-</u></b>	2022269586	2022262295
2022272021	2022281268	2022281268	2022277323	2022274725	2022272243
2022272266	<b><u>G05D 1 /-</u></b>	2022302961	<b><u>G08B 5 /-</u></b>	<b><u>H01M 10 /-</u></b>	2022276536
2022272594	2022256419	<b><u>G06N 5 /-</u></b>	2022277323	2022292241	2022292241
2022276511	2022259171	2022281268	2022277323	2022272243	2022300617
2022277027	2022275787	<b><u>G06N 7 /-</u></b>	<b><u>G09F 15 /-</u></b>	2022272909	<b><u>H02K 1 /-</u></b>
2022277689	<b><u>G05D 16 /-</u></b>	2022281268	2022286687	2022273611	2022273543
2022279876	2022246929	2022328452	<b><u>G09F 23 /-</u></b>	2022275878	<b><u>H02K 11 /-</u></b>
2022288996	2022279956	<b><u>G06Q 10 /-</u></b>	2022286687	2022280617	2022273543
2022289017	<b><u>G05D 3 /-</u></b>	2022265756	<b><u>G16B 30 /-</u></b>	2022292241	<b><u>H02M 3 /-</u></b>
2023258393	2022258785	2022282374	2021446660	2023221684	2022262295
<b><u>G01N 9 /-</u></b>	<b><u>G05D 3 /-</u></b>	2022284873	<b><u>G16B 40 /-</u></b>	<b><u>H01M 12 /-</u></b>	2022282857
2022272873	2022434597	2022286422	2022292120	2022261634	2022282857
2022279565	<b><u>G06E 3 /-</u></b>	2022287018	<b><u>G16C 20 /-</u></b>	2022272909	<b><u>H02P 23 /-</u></b>
<b><u>G01P 21 /-</u></b>	2022281268	<b><u>G06Q 30 /-</u></b>	2022273611	2022273611	2022273543
2022273226	<b><u>G06E 3 /-</u></b>	2022265756	<b><u>H01M 4 /-</u></b>	2022273611	
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**B65D 51/16** ( 2006.01 )  
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*A44B 11/00* ( 2006.01 )  
*A45F 5/00* ( 2006.01 )  
*G03B 17/00* ( 2021.01 )  
 (87) WO2021/117011  
 (31) 62/946,941 (32) 11.12.19 (33) US  
 (43) 17.06.2021  
 (44) 30.11.2023  
 (72) GRINNELL, Edward  
 (74) WRAYS PTY LTD

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(71) B. Braun Melsungen AG  
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 (21) 2018204614 (22) 25.06.2018  
 (54) Medical valve system  
 (51) Int. Cl.  
**A61M 39/22** ( 2006.01 )  
 (31) 102017210794.4 (32) 27.06.17 (33) DE  
 (43) 17.01.2019  
 (44) 30.11.2023  
 (72) Bieri, Sebastian; Denk, Matthias; Dudhane, Mayur Suresh; Eisen, Frank; Kobel, Fritz; Zwygart, Fritz  
 (74) Davies Collison Cave Pty Ltd

(71) BAE Systems plc  
 (11) AU-B-2018319371  
 (21) 2018319371 (22) 20.08.2018  
 (54) Anti-vibration mount  
 (51) Int. Cl.  
**F16F 1/373** ( 2006.01 )  
**F16F 1/38** ( 2006.01 )  
 (87) WO2019/038524  
 (31) 17275124.0 (32) 21.08.17 (33) EP  
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 (43) 28.02.2019  
 (44) 30.11.2023  
 (72) HUTCHINGS, Michael Antony; FAIRCHILD, Thomas James  
 (74) Spruson & Ferguson

(71) Baker Hughes Oilfield Operations LLC  
 (11) AU-B-2021241419  
 (21) 2021241419 (22) 17.03.2021  
 (54) Side entry valve  
 (51) Int. Cl.  
**F16K 1/36** ( 2006.01 )  
**F16K 15/06** ( 2006.01 )  
**F16K 31/12** ( 2006.01 )  
 (87) WO2021/194818  
 (31) 16/829,664 (32) 25.03.20 (33) US  
 (43) 30.09.2021  
 (44) 30.11.2023  
 (72) CHOATE, Jeremy; ADAMS, Keith M.; CHEATHAM, Lloyd  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Becton, Dickinson and Company  
 (11) AU-B-2018318001  
 (21) 2018318001 (22) 06.08.2018  
 (54) Anti-occlusion catheter  
 (51) Int. Cl.  
**A61M 25/00** ( 2006.01 )  
**A61M 25/06** ( 2006.01 )  
 (87) WO2019/036213  
 (31) 15/677,847 (32) 15.08.17 (33) US  
 (43) 21.02.2019  
 (44) 30.11.2023  
 (72) BORNHOFT, Stephen Thomas  
 (74) FB Rice Pty Ltd

(71) Beijing Sanyuan Foods Co., Ltd.  
 (11) AU-B-2023226655  
 (21) 2023226655 (22) 30.06.2023  
 (54) Breast Milk-Derived Lactobacillus Plantarum HM-P2 and Use Thereof  
 (51) Int. Cl.  
**C12N 1/20** ( 2006.01 )

(31) 202211142331.X (32) 20.09.22 (33) CN  
 (43) 30.11.2023  
 (44) 30.11.2023  
 (72) CHEN, Lijun; CHEN, Lijun; CHEN, Lijun; LIU, Lu; LIU, Lu; LIU, Lu; ZHAO, Junying; ZHAO, Junying; ZHAO, Junying; QIAO, Weicang; QIAO, Weicang; QIAO, Weicang; LIU, Xingyao; LIU, Xingyao; LIU, Xingyao  
 (74) Davies Collison Cave Pty Ltd

(71) Bigfoot Biomedical, Inc.  
 (11) AU-B-2020294105  
 (21) 2020294105 (22) 08.06.2020  
 (54) Missed-bolus dose detection and related systems, methods and devices  
 (51) Int. Cl.  
**G16H 20/10** ( 2018.01 )  
**G16H 50/70** ( 2018.01 )  
 (87) WO2020/252496  
 (31) 62/859,624 (32) 10.06.19 (33) US  
 (43) 17.12.2020  
 (44) 30.11.2023  
 (72) CONSTANTIN, Alexandra Elena; EGHESADI, Zahra  
 (74) WRAYS PTY LTD

(71) BIT Pharma GmbH  
 (11) AU-B-2018376566  
 (21) 2018376566 (22) 29.11.2018  
 (54) Process and device for preparing a solid dispersion  
 (51) Int. Cl.  
**A61K 9/16** ( 2006.01 )  
 (87) WO2019/106090  
 (31) 17204645.0 (32) 30.11.17 (33) EP  
 (43) 06.06.2019  
 (44) 30.11.2023  
 (72) ADAGE, Tiziana  
 (74) Griffith Hack

(71) Blasczyk, R.; Ferreira De Figueiredo, C.  
 (11) AU-B-2018274161  
 (21) 2018274161 (22) 23.05.2018  
 (54) Method for genetically modifying a vascularised tissue  
 (51) Int. Cl.  
**A01N 1/02** ( 2006.01 )  
**A01P 23/00** ( 2006.01 )  
 (87) WO2018/215571  
 (31) 17173104.5 (32) 26.05.17 (33) EP  
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 (72) Blasczyk, Rainer; Ferreira De Figueiredo, Constanca  
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

(71) BMC Medical Co., Ltd.  
 (11) AU-B-2020418132  
 (21) 2020418132 (22) 28.12.2020  
 (54) Safety valve sheet, breathing tube, breathing tube assembly and breathing mask  
 (51) Int. Cl.  
**A61M 16/00** ( 2006.01 )  
**A61M 16/06** ( 2006.01 )

**A61M 16/08** ( 2006.01 )  
**A61M 16/20** ( 2006.01 )  
 (87) WO2021/136153  
 (31) 201911421000.8 (32) 31.12.19 (33) CN  
 (43) 08.07.2021  
 (44) 30.11.2023  
 (72) HE, Long; ZHOU, Mingzhao; ZHUANG, Zhi  
 (74) Madderns Pty Ltd

(71) Board of Regents of the University of Nebraska  
 (11) AU-B-2021204269  
 (21) 2021204269 (22) 23.06.2021  
 (54) Nanofiber structures and methods of synthesis and use thereof  
 (51) Int. Cl.  
**A61K 35/12** ( 2015.01 )  
**A61K 9/70** ( 2006.01 )  
**A61P 17/00** ( 2006.01 )  
 (43) 22.07.2021  
 (44) 30.11.2023  
 (62) 2015324028  
 (72) Jingwei Xie.; Jiang Jiang,  
 (74) Spruson & Ferguson

**Borealis AG see Abu Dhabi Polymers Co. Ltd (Borouge) L.L.C.**  
 (21) 2020316600

(71) Boston Scientific Medical Device Limited  
 (11) AU-B-2021291158  
 (21) 2021291158 (22) 26.05.2021  
 (54) Electroanatomical mapping system  
 (51) Int. Cl.  
**A61B 18/14** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**A61B 5/339** ( 2021.01 )  
**A61B 5/367** ( 2021.01 )  
**A61B 18/00** ( 2006.01 )  
 (87) WO2021/255556  
 (31) 63/040,052 (32) 17.06.20 (33) US  
 (43) 23.12.2021  
 (44) 30.11.2023  
 (72) MACDONALD, Matthew; LEUNG, Charlene; GELLNER, Bryan  
 (74) Spruson & Ferguson

(71) BOTANICAL WATER TECHNOLOGIES IP LTD  
 (11) AU-B-2022215310  
 (21) 2022215310 (22) 12.08.2022  
 (54) Isotopic Compositions  
 (51) Int. Cl.  
**A23L 2/38** ( 2021.01 )  
**A61K 8/00** ( 2006.01 )  
**A61K 33/00** ( 2006.01 )  
**B01D 1/26** ( 2006.01 )  
**B01D 3/14** ( 2006.01 )  
**C01B 5/00** ( 2006.01 )  
**C12C 5/00** ( 2006.01 )  
**C12G 1/00** ( 2019.01 )  
**C12G 3/08** ( 2006.01 )  
 (43) 08.09.2022

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 (62) 2017329108  
 (72) Kambouris, Ambrosios  
 (74) LESICAR MAYNARD ANDREWS PTY LTD

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(71) Bourgault Industries Ltd.  
 (11) AU-B-2021266251  
 (21) 2021266251 (22) 10.11.2021  
 (54) Singulating meter  
 (51) Int. Cl.  
 A01C 7/10 ( 2006.01 )  
 A01C 7/12 ( 2006.01 )

(43) 09.12.2021  
 (44) 30.11.2023  
 (62) 2020202416  
 (72) Crooymans, Brennan; Jagow, Scot; Hantke, Glenn  
 (74) FB Rice Pty Ltd

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 (11) AU-B-2018217388  
 (21) 2018217388 (22) 09.02.2018  
 (54) Process for producing a fischer-tropsch synthesis catalyst  
 (51) Int. Cl.  
 C10G 2/00 ( 2006.01 )  
 B01J 23/75 ( 2006.01 )  
 B01J 23/889 ( 2006.01 )  
 B01J 37/00 ( 2006.01 )  
 B01J 37/02 ( 2006.01 )  
 B01J 37/08 ( 2006.01 )  
 B01J 37/16 ( 2006.01 )  
 B01J 37/18 ( 2006.01 )

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 (31) 1702251.8 (32) 10.02.17 (33) GB  
 (43) 16.08.2018  
 (44) 30.11.2023  
 (72) Ojeda Pineda, Manuel; Paterson, Alexander James  
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(71) Bry Air [Asia] Pvt. Ltd.  
 (11) AU-B-2021203862  
 (21) 2021203862 (22) 10.06.2021  
 (54) SPLIT TYPE SORPTION AIR CONDITIONING UNIT  
 (51) Int. Cl.  
 F24F 1/00 ( 2019.01 )  
 F24F 5/00 ( 2006.01 )

(43) 08.07.2021  
 (44) 30.11.2023  
 (62) 2016205833  
 (72) Pahwa, Deepak; Saha, Bidyut Baran; Thu, Kyaw; Sachdev, Rajan; Malik, Kuldeep Singh  
 (74) Madderns Pty Ltd

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(71) Bticino SpA  
 (11) AU-B-2019273780  
 (21) 2019273780 (22) 22.03.2019  
 (54) Changeover switch  
 (51) Int. Cl.  
 H01H 13/10 ( 2006.01 )  
 H01H 13/60 ( 2006.01 )  
 H01H 13/68 ( 2006.01 )

(87) WO2019/224616

(31) 102018000005622 (32) 23.05.18 (33) IT  
 (43) 28.11.2019  
 (44) 30.11.2023  
 (72) BROGIOLI, Marco; ROCERETO, Pietro; MARINACI, Andrea  
 (74) Murray Trento & Associates Pty Ltd

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(71) Bticino SpA  
 (11) AU-B-2019286354  
 (21) 2019286354 (22) 08.04.2019  
 (54) Four ways circuit breaker  
 (51) Int. Cl.  
 H01H 13/60 ( 2006.01 )  
 H01H 1/20 ( 2006.01 )  
 H01H 1/58 ( 2006.01 )  
 H01H 11/00 ( 2006.01 )  
 H01H 13/56 ( 2006.01 )  
 H01H 23/16 ( 2006.01 )

(87) WO2019/239225  
 (31) 102018000006224 (32) 12.06.18 (33) IT  
 (43) 19.12.2019  
 (44) 30.11.2023  
 (72) ROCERETO, Pietro; PERRONE, Mario  
 (74) Murray Trento & Associates Pty Ltd

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(71) Canon Kabushiki Kaisha  
 (11) AU-B-2020290276  
 (21) 2020290276 (22) 09.06.2020  
 (54) Drum unit, drive transmission unit, cartridge and electrophotographic image forming apparatus  
 (51) Int. Cl.  
 G03G 21/18 ( 2006.01 )  
 G03G 21/16 ( 2006.01 )

(87) WO2020/251052  
 (31) 2019-109671 (32) 12.06.19 (33) JP  
 (43) 17.12.2020  
 (44) 30.11.2023  
 (72) FUJIWARA, Akihiro; MURAKAMI, Ryuta  
 (74) Spruson & Ferguson

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(71) Cansense Group Ltd  
 (11) AU-B-2018234280  
 (21) 2018234280 (22) 13.03.2018  
 (54) Method and apparatus for use in diagnosis and monitoring of colorectal cancer  
 (51) Int. Cl.  
 G01N 33/574 ( 2006.01 )  
 G01N 21/65 ( 2006.01 )  
 G01N 33/49 ( 2006.01 )

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 (31) 1704128.6 (32) 15.03.17 (33) GB  
 (43) 20.09.2018  
 (44) 30.11.2023  
 (72) Harris, Dean; Dunstan, Peter; Jenkins, Cerys  
 (74) Phillips Ormonde Fitzpatrick

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(71) Cape Analytics, Inc.  
 (11) AU-B-2023248173  
 (21) 2023248173 (22) 13.10.2023  
 (54) Method for Property Feature Segmentation  
 (51) Int. Cl.  
 G06T 7/11 ( 2017.01 )

G06F 18/00 ( 2023.01 )  
 (43) 02.11.2023  
 (44) 30.11.2023  
 (62) 2021285832  
 (72) RICHTER, Fabian; PORTAIL, Matthieu; ERICKSON, Jason  
 (74) PIPERS

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(71) Capital One Services, LLC  
 (11) AU-B-2020314531  
 (21) 2020314531 (22) 09.07.2020  
 (54) Verified reviews using a contactless card  
 (51) Int. Cl.  
 G06Q 30/02 ( 2012.01 )  
 G06Q 20/34 ( 2012.01 )  
 G07F 7/08 ( 2006.01 )

(87) WO2021/011318  
 (31) 16/514,094 (32) 17.07.19 (33) US  
 (43) 21.01.2021  
 (44) 30.11.2023  
 (72) RULE, Jeffrey; ILINCIC, Rajko  
 (74) GLMR

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(71) Carefusion 303, Inc  
 (11) AU-B-2019269661  
 (21) 2019269661 (22) 17.05.2019  
 (54) Interface display for infusion module  
 (51) Int. Cl.  
 G16H 40/67 ( 2018.01 )

(87) WO2019/222628  
 (31) 15/984,277 (32) 18.05.18 (33) US  
 (43) 21.11.2019  
 (44) 30.11.2023  
 (72) LANGAN, John; DANIELS, Tressa; MITCHELL, Craig; SMYTH, Wendy; DAoust, Kelly; COLLINS, Laura; WEST, Patricia; KNIGHT, Claire  
 (74) FB Rice Pty Ltd

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(71) Caterpillar Inc.  
 (11) AU-B-2020275694  
 (21) 2020275694 (22) 09.04.2020  
 (54) Ground engaging tool monitoring system  
 (51) Int. Cl.  
 E02F 9/26 ( 2006.01 )

(87) WO2020/231555  
 (31) 16/412,553 (32) 15.05.19 (33) US  
 (43) 19.11.2020  
 (44) 30.11.2023  
 (72) PLOUZEK, John M.; VLAMINCK, Mitchell C.; FINCH, Nolan S.  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Catoi, P.  
 (11) AU-B-2018368811  
 (21) 2018368811 (22) 13.11.2018  
 (54) Rock bolt  
 (51) Int. Cl.  
 E21D 21/00 ( 2006.01 )

(87) WO2019/095006  
 (31) 2017904679 (32) 20.11.17 (33) AU  
 (43) 23.05.2019  
 (44) 30.11.2023  
 (72) CATOI, Peter Bryce  
 (74) Armour IP Pty Ltd



Applications Accepted - Name Index cont'd

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**Cenergist Limited see Hagepe International B.V.**  
**(21)** 2020313544

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**(71)** CentricsBio, Inc.  
**(11)** AU-B-2019279311  
**(21)** 2019279311 **(22)** 27.05.2019  
**(54)** Pharmaceutical composition for preventing or treating cancer, containing CD300C expression inhibitor or activity inhibitor  
**(51)** Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(87)** WO2019/231188  
**(31)** 10-2018-0062620 **(32)** 31.05.18 **(33)** KR  
 10-2019-0061067 24.05.19 KR  
**(43)** 05.12.2019  
**(44)** 30.11.2023  
**(72)** JEON, Jae-Won; JUNG, Joon-Goo  
**(74)** Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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**(71)** Chaplin, S.  
**(11)** AU-B-2018213105  
**(21)** 2018213105 **(22)** 22.01.2018  
**(54)** Seed sowing apparatus and method of sowing seed  
**(51)** Int. Cl.  
**A01C 5/06** ( 2006.01 )  
**(87)** WO2018/138480  
**(31)** 1705638.3 **(32)** 07.04.17 **(33)** GB  
 1709742.9 19.06.17 GB  
 1701247.7 25.01.17 GB  
 1702997.6 24.02.17 GB  
 1715587.0 26.09.17 GB  
**(43)** 02.08.2018  
**(44)** 30.11.2023  
**(72)** Chaplin, Simon Robert Frank  
**(74)** James & Wells Intellectual Property

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**(71)** Chengdu Di'ao JiuHong Pharmaceutical Factory  
**(11)** AU-B-2021300495  
**(21)** 2021300495 **(22)** 02.07.2021  
**(54)** Aryl phosphorus oxide compounds and use thereof  
**(51)** Int. Cl.  
**C07F 9/6558** ( 2006.01 )  
**A61K 31/675** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 35/02** ( 2006.01 )  
**C07F 9/6512** ( 2006.01 )  
**(87)** WO2022/002241  
**(31)** 202011464023.X **(32)** 11.12.20 **(33)** CN  
 202010638649.1 03.07.20 CN  
**(43)** 06.01.2022  
**(44)** 30.11.2023  
**(72)** HE, Peng; DONG, Guangxin; ZHAO, Hai; WANG, Xuechao; CHEN, Shuang; HUANG, Pei; DENG, Ta; ZHANG, Rui; LI, Haiyan  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** CHINA BUILDING MATERIALS ACADEMY  
**(11)** AU-B-2021431376  
**(21)** 2021431376 **(22)** 03.03.2021  
**(54)** ION-BOMBARDMENT-RESISTANT GLASS COMPOSITION, MICROCHANNEL PLATE CLADDING GLASS, MICROCHANNEL PLATE AND PREPARATION METHOD  
**(51)** Int. Cl.  
**C03C 3/108** ( 2006.01 )  
**H01J 43/24** ( 2006.01 )  
**(87)** WO2022/183396  
**(43)** 09.09.2022  
**(44)** 30.11.2023  
**(72)** CAI, Hua; LIU, Hui; JIA, Jinsheng; BO, Tiezhu; ZHANG, Yang; ZHOU, Dongzhan; SHI, Xiaoxuan; LIAN, Jiao; WANG, Chen; LIU, Chang  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** China Mobile Communication Co., Ltd Research Institute; China Mobile Communications Group Co., Ltd.  
**(11)** AU-B-2021290693  
**(21)** 2021290693 **(22)** 16.06.2021  
**(54)** Information transmission method, apparatus, related device and storage device  
**(51)** Int. Cl.  
**H04W 72/04** ( 2009.01 )  
**(87)** WO2021/254365  
**(31)** 202010550868.4 **(32)** 16.06.20 **(33)** CN  
**(43)** 23.12.2021  
**(44)** 30.11.2023  
**(72)** WANG, Fei; WANG, Dapeng; LI, Yan; LI, Nan; LIU, Guangyi  
**(74)** Golja Haines & Friend

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**China Mobile Communications Group Co., Ltd. see China Mobile Communication Co., Ltd Research Institute**  
**(21)** 2021290693

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**Chromadex Inc. see The Queen's University Of Belfast**  
**(21)** 2017356475

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**(71)** CiDRA Corporate Services LLC  
**(11)** AU-B-2019218789  
**(21)** 2019218789 **(22)** 07.02.2019  
**(54)** Open-network foam of hydrophobic material for selective separation of mineral particles  
**(51)** Int. Cl.  
**B01D 15/36** ( 2006.01 )  
**B01D 61/00** ( 2006.01 )  
**(87)** WO2019/157147  
**(31)** 62/627,266 **(32)** 07.02.18 **(33)** US  
**(43)** 15.08.2019  
**(44)** 30.11.2023  
**(72)** ROTHMAN, Paul J.; FERNALD, Mark R.; DIDDEN, Francis; O'KEEFE, Christian V.; ADAMSON, Douglas H.; DOLAN, Paul; BAILEY, Timothy J.; RYAN, Michael Stephen; HUANG, Weiguo; LASSILA, Kevin Rodney;

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COPPOLA, Michael D.; GREENE, Allison K.  
**(74)** Spruson & Ferguson

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**(71)** Cipla Limited  
**(11)** AU-B-2018234306  
**(21)** 2018234306 **(22)** 16.03.2018  
**(54)** Salts of antiviral phosphonate analogues and process for preparation thereof  
**(51)** Int. Cl.  
**A61K 31/661** ( 2006.01 )  
**A61P 31/18** ( 2006.01 )  
**C07F 9/6561** ( 2006.01 )  
**(87)** WO2018/167515  
**(31)** 201721009392 **(32)** 17.03.17 **(33)** IN  
**(43)** 20.09.2018  
**(44)** 30.11.2023  
**(72)** Phull, Manjinder Singh; Sawant, Ashwini Amol; Rao, Dharmaraj Ramachandra; Malhotra, Geena; Gangrade, Manish GopalDas  
**(74)** Griffith Hack

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**(71)** Coe, W.B.  
**(11)** AU-B-2021266342  
**(21)** 2021266342 **(22)** 12.11.2021  
**(54)** Inter-penetrating elastomer network derived from ground tire rubber particles  
**(51)** Int. Cl.  
**C08L 95/00** ( 2006.01 )  
**C08J 5/00** ( 2006.01 )  
**C08J 5/18** ( 2006.01 )  
**C08K 3/013** ( 2018.01 )  
**C08K 3/04** ( 2006.01 )  
**C08K 9/10** ( 2006.01 )  
**C08L 21/00** ( 2006.01 )  
**(43)** 09.12.2021  
**(44)** 30.11.2023  
**(62)** 2018310988  
**(72)** Coe, William B.  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** Coloplast A/S  
**(11)** AU-B-2018399899  
**(21)** 2018399899 **(22)** 20.12.2018  
**(54)** Skin care composition for the peristomal region  
**(51)** Int. Cl.  
**A61Q 19/00** ( 2006.01 )  
**A61K 8/04** ( 2006.01 )  
**A61K 8/26** ( 2006.01 )  
**A61K 8/81** ( 2006.01 )  
**A61K 8/86** ( 2006.01 )  
**(87)** WO2019/134726  
**(31)** PA 2018 70001 **(32)** 03.01.18 **(33)** DK  
**(43)** 11.07.2019  
**(44)** 30.11.2023  
**(72)** GALLEGO, Monica Ramos; OVERGAARD, Anne Kathrine Kattenhøj Sloth; MORSE, Admira  
**(74)** FB Rice Pty Ltd

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**(71)** Contemporary Amperex Technology Co., Limited  
**(11)** AU-B-2020384096  
**(21)** 2020384096 **(22)** 27.10.2020

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Applications Accepted - Name Index cont'd

(54) Battery box, fabrication method therefor and apparatus containing battery box  
 (51) Int. Cl.  
**H01M 10/613** ( 2014.01 )  
**A62C 3/16** ( 2006.01 )  
 (87) WO2021/093581  
 (31) 201911117959.2 (32) 15.11.19 (33) CN  
 (43) 20.05.2021  
 (44) 30.11.2023  
 (72) CHANG, Tongxin; CHEN, Tianming; HAN, Ruiqi; CHEN, Zhiming  
 (74) Madderns Pty Ltd

(71) Croda, Inc.  
 (11) AU-B-2018282636  
 (21) 2018282636 (22) 04.06.2018  
 (54) Agrochemical electrolyte compositions  
 (51) Int. Cl.  
**A01N 25/30** ( 2006.01 )  
**A01N 43/54** ( 2006.01 )  
**A01N 43/70** ( 2006.01 )  
**A01N 53/00** ( 2006.01 )  
**A01N 57/12** ( 2006.01 )  
**A01P 3/00** ( 2006.01 )  
**A01P 7/04** ( 2006.01 )  
**A01P 13/00** ( 2006.01 )  
**A01P 21/00** ( 2006.01 )  
**C05G 3/00** ( 2006.01 )  
 (87) WO2018/231567  
 (31) 62/518,866 (32) 13.06.17 (33) US  
 (43) 20.12.2018  
 (44) 30.11.2023  
 (72) Wall, Jason Stewart  
 (74) Oxygene IP

(71) Cryovac, LLC  
 (11) AU-B-2018253215  
 (21) 2018253215 (22) 13.04.2018  
 (54) High-shrink, high-strength multilayer film  
 (51) Int. Cl.  
**B32B 27/08** ( 2006.01 )  
**B32B 7/02** ( 2006.01 )  
**B32B 27/30** ( 2006.01 )  
**B32B 27/32** ( 2006.01 )  
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**B65B 3/04** ( 2006.01 )  
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**B01J 35/02** ( 2006.01 )  
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**F04D 31/00** ( 2006.01 )  
**F16L 55/04** ( 2006.01 )  
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**E21B 43/01** ( 2006.01 )  
**F16L 1/12** ( 2006.01 )  
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**F16L 3/00** ( 2006.01 )  
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*A43B 23/08* ( 2006.01 )  
*A43B 23/26* ( 2006.01 )  
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**(51)** Int. Cl.  
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**B61L 25/06** ( 2006.01 )  
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**H04L 67/12** ( 2022.01 )
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- (51) Int. Cl.  
**G05B 15/02** ( 2006.01 )  
**G05B 17/02** ( 2006.01 )  
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- (51) Int. Cl.  
**B65D 33/38** ( 2006.01 )  
**B65D 30/16** ( 2006.01 )
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- (51) Int. Cl.  
**H02S 50/10** ( 2014.01 )  
**H02J 3/38** ( 2006.01 )
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*H04W 24/10* ( 2009.01 )

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(51) Int. Cl.  
*H04N 19/11* ( 2014.01 )  
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(21) 2020233004 (22) 12.02.2020

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(51) Int. Cl.  
*H04N 19/60* ( 2014.01 )

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(21) 2020247242 (22) 30.03.2020

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(51) Int. Cl.  
*H04N 19/105* ( 2014.01 )

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(51) Int. Cl.  
*H04N 19/103* ( 2014.01 )

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(21) 2020428979 (22) 14.02.2020

(54) Method for determining transport block size and communication apparatus

(51) Int. Cl.  
*H04W 72/04* ( 2009.01 )  
*H04L 5/00* ( 2006.01 )

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(21) 2022205146 (22) 11.07.2022

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(51) Int. Cl.  
*H04W 76/00* ( 2018.01 )

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(51) Int. Cl.  
*E04G 21/14* ( 2006.01 )  
*B66F 19/00* ( 2006.01 )  
*B66F 19/02* ( 2006.01 )  
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(51) Int. Cl.  
*C12N 15/10* ( 2006.01 )

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(54) Spatial Mapping Of Nucleic Acid Sequence Information

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*C12Q 1/68* ( 2018.01 )

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*C12Q 1/68* ( 2018.01 )  
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**A61K 41/00** ( 2020.01 )  
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**A23K 20/158** ( 2016.01 )  
**A23K 20/189** ( 2016.01 )  
**A23K 20/24** ( 2016.01 )  
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**G10L 15/14** ( 2006.01 )  
**G10L 15/183** ( 2013.01 )  
**G10L 15/197** ( 2013.01 )  
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**G06T 7/00** ( 2017.01 )  
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*D21F 7/08* ( 2006.01 )  
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*C07D 405/14* ( 2006.01 )  
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*A61P 1/16* ( 2006.01 )  
*A61P 3/00* ( 2006.01 )  
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 (51) Int. Cl.  
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     **H04L 27/26** ( 2006.01 )  
     **H04W 16/32** ( 2009.01 )  
     **H04W 24/10** ( 2009.01 )  
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     **H04W 88/06** ( 2009.01 )  
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**F23C 9/00** ( 2006.01 )  
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**C07D 211/18** ( 2006.01 )  
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**A01K 67/027** ( 2006.01 )  
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 tion device  
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**(74)** RnB IP Pty Ltd

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**F41H 7/04** ( 2006.01 )

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**C07D 413/12** ( 2006.01 )

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**(74)** Davies Collison Cave Pty Ltd

**(71)** Rosemount Inc.  
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 integral intrinsic safety outputs for field  
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**H02H 9/00** ( 2006.01 )

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 Theodore H.  
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**G06T 1/00** ( 2006.01 )

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 WELLS WITHIN A MICROARRAY  
 PLATE  
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**B06B 1/06** ( 2006.01 )  
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 rail durability  
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**G16B 5/00** ( 2019.01 )  
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**G06F 17/10** ( 2006.01 )  
**G06F 17/18** ( 2006.01 )  
**G16B 40/00** ( 2019.01 )  
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**A61K 9/51** ( 2006.01 )  
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 (54) METHOD OF USE FOR PHOTOELECTRIC UNIT AND AMPLIFICATION APPARATUS THEREOF  
 (51) Int. Cl.  
**H03F 17/00** ( 2006.01 )  
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**A61F 2/02** ( 2006.01 )  
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**A61P 1/04** ( 2006.01 )  
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**A47L 5/30** ( 2006.01 )  
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**F25J 1/00** ( 2006.01 )  
**F25J 1/02** ( 2006.01 )  
**G05B 13/04** ( 2006.01 )  
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**G05B 23/00** ( 2006.01 )  
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**A61P 31/04** ( 2006.01 )  
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 (51) Int. Cl.  
     **C25B 1/04** ( 2021.01 )  
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     **C25B 3/26** ( 2021.01 )  
     **H02J 1/14** ( 2006.01 )  
     **H02J 3/28** ( 2006.01 )  
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     **C08K 3/08** ( 2006.01 )  
     **A41D 19/00** ( 2006.01 )  
     **A41D 19/015** ( 2006.01 )  
     **B29C 41/14** ( 2006.01 )  
     **B32B 25/02** ( 2006.01 )

**B32B 25/12** ( 2006.01 )  
**B32B 25/18** ( 2006.01 )  
**C08J 5/02** ( 2006.01 )  
**C08K 3/22** ( 2006.01 )  
**C08K 9/04** ( 2006.01 )  
**C08L 7/02** ( 2006.01 )  
**C08L 9/04** ( 2006.01 )  
**C08L 11/02** ( 2006.01 )  
**G01N 23/04** ( 2018.01 )  
**G01V 3/00** ( 2006.01 )  
**G01V 15/00** ( 2006.01 )  
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     **B25B 21/02** ( 2006.01 )  
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     **H02P 3/04** ( 2006.01 )  
     **H02K 11/20** ( 2016.01 )  
     **H02P 6/04** ( 2016.01 )  
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 (51) Int. Cl.  
     **H02J 7/02** ( 2016.01 )  
     **H02J 9/02** ( 2006.01 )  
     **H02J 13/00** ( 2006.01 )  
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     **A23G 9/48** ( 2006.01 )  
     **A23G 9/50** ( 2006.01 )  
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     **F01D 5/06** ( 2006.01 )  
     **F01D 5/32** ( 2006.01 )  
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 (51) Int. Cl.  
     **C09K 8/42** ( 2006.01 )  
     **E21B 33/12** ( 2006.01 )  
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     **E21B 33/068** ( 2006.01 )  
     **E21B 47/005** ( 2012.01 )  
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     **B01L 3/00** ( 2006.01 )  
     **B01D 43/00** ( 2006.01 )  
     **F04B 43/09** ( 2006.01 )  
     **G01N 33/48** ( 2006.01 )  
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 (74) LAMINAR IP PTY LTD

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 (51) Int. Cl.  
     **F26B 3/12** ( 2006.01 )

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**(43)** 02.05.2019  
**(44)** 30.11.2023  
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 R.; MIGCHELBRINK, Joel R.  
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**(21)** 2019223022 **(22)** 20.02.2019  
**(54)** Split body fluidic spray nozzle  
**(51)** Int. Cl.  
**B05B 1/08** ( 2006.01 )  
**B05B 12/06** ( 2006.01 )  
**F15B 1/12** ( 2006.01 )  
**F15C 1/22** ( 2006.01 )  
**(87)** WO2019/164869  
**(31)** 62/632,673 **(32)** 20.02.18 **(33)** US  
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**(54)** Optical fiber and slanted fiber grating  
**(51)** Int. Cl.  
**G02B 6/028** ( 2006.01 )  
**(31)** 2017-221696 **(32)** 17.11.17 **(33)** JP  
**(43)** 06.06.2019  
**(44)** 30.11.2023  
**(72)** Nagano, Shigehiro; Shiozaki, Manabu;  
 Kinugasa, Jun; Hasegawa, Takemi  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Sumitomo Metal Mining Co., Ltd.  
**(11)** AU-B-2018289722  
**(21)** 2018289722 **(22)** 19.06.2018  
**(54)** Light to heat conversion layer, method  
 for producing same, and donor sheet  
 using said light to heat conversion layer  
**(51)** Int. Cl.  
**G02B 5/22** ( 2006.01 )  
**(87)** WO2018/235842  
**(31)** PCT/ **(32)** 19.06.17 **(33)** JP  
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**(43)** 27.12.2018  
**(44)** 30.11.2023  
**(72)** CHONAN, Takeshi; TSUNEMATSU,  
 Hirofumi  
**(74)** Davies Collison Cave Pty Ltd

**(71)** SurModics, Inc.  
**(11)** AU-B-2017325722  
**(21)** 2017325722 **(22)** 14.09.2017  
**(54)** Lubricious insertion tools for medical  
 devices and methods for using  
**(51)** Int. Cl.  
**A61M 25/06** ( 2006.01 )  
**A61M 25/10** ( 2006.01 )  
**(87)** WO2018/053124  
**(31)** 62/464,520 **(32)** 28.02.17 **(33)** US

62/395,610 16.09.16 US  
**(43)** 22.03.2018  
**(44)** 30.11.2023  
**(72)** Trocke, Amy; Sutton, Gregg S.; Slager,  
 Joram  
**(74)** Dark IP

**(71)** SWIMC LLC  
**(11)** AU-B-2018325278  
**(21)** 2018325278 **(22)** 31.08.2018  
**(54)** Multi-stage polymeric latexes, coating  
 compositions containing such latexes,  
 and articles coated therewith  
**(51)** Int. Cl.  
**C09D 5/02** ( 2006.01 )  
**B65D 25/14** ( 2006.01 )  
**C09D 151/00** ( 2006.01 )  
**(87)** WO2019/046750  
**(31)** 62/725,204 **(32)** 30.08.18 **(33)** US  
 62/553,309 01.09.17 US  
**(43)** 07.03.2019  
**(44)** 30.11.2023  
**(72)** O'BRIEN, Robert M.; STUETELBERG,  
 Mark; DESOUSA, Joseph D.; SCAN-  
 DOLARI, Mary Jo; KOCH, Nikolaus;  
 POLLIN, Stephen; HUSSAIN, Nusrah  
**(74)** Spruson & Ferguson

**(71)** Takeda Pharmaceutical Company Lim-  
 ited  
**(11)** AU-B-2017325999  
**(21)** 2017325999 **(22)** 15.09.2017  
**(54)** RNA biomarkers for hereditary an-  
 gioedema  
**(51)** Int. Cl.  
**G01N 33/50** ( 2006.01 )  
**C12Q 1/68** ( 2006.01 )  
**(87)** WO2018/053260  
**(31)** 62/395,811 **(32)** 16.09.16 **(33)** US  
**(43)** 22.03.2018  
**(44)** 30.11.2023  
**(72)** Sexton, Daniel J.; Viswanathan, Malini;  
 Faucette, Ryan; Gaur, Tripti  
**(74)** Spruson & Ferguson

**(71)** Talis Biomedical Corporation  
**(11)** AU-B-2019237517  
**(21)** 2019237517 **(22)** 22.03.2019  
**(54)** Optical reaction well for assay device  
**(51)** Int. Cl.  
**B01L 3/00** ( 2006.01 )  
**(87)** WO2019/183608  
**(31)** 15/928,551 **(32)** 22.03.18 **(33)** US  
 16/027,749 05.07.18 US  
**(43)** 26.09.2019  
**(44)** 30.11.2023  
**(72)** CAULEY III, Thomas H.  
**(74)** RnB IP Pty Ltd

**(71)** Tasmanian Alkaloids Pty Ltd  
**(11)** AU-B-2017322099  
**(21)** 2017322099 **(22)** 04.09.2017  
**(54)** P. somniferum plants for the production  
 of codeine  
**(51)** Int. Cl.  
**A01H 5/04** ( 2006.01 )  
**A01H 1/06** ( 2006.01 )

**A01H 5/00** ( 2006.01 )  
**(87)** WO2018/039749  
**(31)** 2016222511 **(32)** 02.09.16 **(33)** AU  
 2016903543 02.09.16 AU  
**(43)** 08.03.2018  
**(44)** 30.11.2023  
**(72)** Symons, Gregory Michael; Hudson,  
 Corey James; Livermore, Mark Leon  
**(74)** Adams Pluck

**(71)** Tata Consultancy Services Limited  
**(11)** AU-B-2019219714  
**(21)** 2019219714 **(22)** 19.08.2019  
**(54)** Systems and methods for performing  
 hand segmentation  
**(51)** Int. Cl.  
**G06T 7/00** ( 2017.01 )  
**G06F 3/01** ( 2006.01 )  
**(31)** 201821033598 **(32)** 06.09.18 **(33)** IN  
**(43)** 26.03.2020  
**(44)** 30.11.2023  
**(72)** MAURYA, Jitender Kumar; HEBBAL-  
 AGUPPE, Ramya; GUPTA, Puneet  
**(74)** FOUNDRY INTELLECTUAL PROP-  
 ERTY PTY LTD

**(71)** Tchibo GmbH  
**(11)** AU-B-2017384674  
**(21)** 2017384674 **(22)** 20.12.2017  
**(54)** Brewing module and beverage-prepar-  
 ing machine  
**(51)** Int. Cl.  
**A47J 31/36** ( 2006.01 )  
**(87)** WO2018/115184  
**(31)** 16206245.9 **(32)** 22.12.16 **(33)** EP  
**(43)** 28.06.2018  
**(44)** 30.11.2023  
**(72)** Kroos, Friedrich  
**(74)** Griffith Hack

**(71)** TDW Delaware, Inc.  
**(11)** AU-B-2018322381  
**(21)** 2018322381 **(22)** 24.08.2018  
**(54)** Directed jet impulse pig launching sys-  
 tem and method of its use  
**(51)** Int. Cl.  
**F16L 55/46** ( 2006.01 )  
**F16L 23/00** ( 2006.01 )  
**F16L 41/00** ( 2006.01 )  
**B08B 9/055** ( 2006.01 )  
**(87)** WO2019/040870  
**(31)** 16/111,753 **(32)** 24.08.18 **(33)** US  
 62/549,500 24.08.17 US  
**(43)** 28.02.2019  
**(44)** 30.11.2023  
**(72)** Poe, Roger L.; Smith, Woody; Turner,  
 David  
**(74)** Spruson & Ferguson

**(71)** Technische Universität München; Tech-  
 nische Universität München - Klinikum  
 Rechts der Isar  
**(11)** AU-B-2018308699  
**(21)** 2018308699 **(22)** 30.07.2018  
**(54)** Dual mode radiotracer and -therapeut-  
 ics  
**(51)** Int. Cl.

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**A61K 51/08** ( 2006.01 )  
**(87)** WO2019/020831  
**(31)** 17183795.8 **(32)** 28.07.17 **(33)** EP  
**(43)** 31.01.2019  
**(44)** 30.11.2023  
**(72)** WURZER, Alexander Josef; WEST-  
 ER, Hans-Jürgen; EIBER, Matthias Jo-  
 hannes  
**(74)** Spruson & Ferguson

**Technische Universität München -  
 Klinikum Rechts der Isar see Technische  
 Universität München**  
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**(71)** Technological Resources Pty. Limited  
**(11)** AU-B-2018248022  
**(21)** 2018248022 **(22)** 19.03.2018  
**(54)** Automated draft survey  
**(51)** Int. Cl.  
**B63B 39/12** ( 2006.01 )  
**G01B 21/18** ( 2006.01 )  
**G01G 19/00** ( 2006.01 )  
**(87)** WO2018/184058  
**(31)** 2017901297 **(32)** 07.04.17 **(33)** AU  
**(43)** 11.10.2018  
**(44)** 30.11.2023  
**(72)** Epskamp, Troy; Looi, En-Shan; Zeelen-  
 berg, Jonathon  
**(74)** Griffith Hack

**(71)** Telefonaktiebolaget LM Ericsson (publ)  
**(11)** AU-B-2021261647  
**(21)** 2021261647 **(22)** 12.04.2021  
**(54)** Methods and nodes for efficient MAC  
 CE design for indicating mapping  
 between pathloss reference and mul-  
 tiple SRI  
**(51)** Int. Cl.  
**H04W 52/04** ( 2009.01 )  
**H04W 52/14** ( 2009.01 )  
**H04W 52/24** ( 2009.01 )  
**(87)** WO2021/214586  
**(31)** 63/014,470 **(32)** 23.04.20 **(33)** US  
**(43)** 28.10.2021  
**(44)** 30.11.2023  
**(72)** MÄÄTTÄNEN, Helka-Liina; FOLKE,  
 Mats  
**(74)** AJ PARK

**(71)** Tepha, Inc.  
**(11)** AU-B-2022202609  
**(21)** 2022202609 **(22)** 20.04.2022  
**(54)** Medical devices containing  
 poly(butylene succinate) and copoly-  
 mers thereof  
**(51)** Int. Cl.  
**A61L 27/18** ( 2006.01 )  
**A61L 17/00** ( 2006.01 )  
**A61L 17/06** ( 2006.01 )  
**A61L 17/10** ( 2006.01 )  
**A61L 27/54** ( 2006.01 )  
**A61L 27/56** ( 2006.01 )  
**A61L 27/58** ( 2006.01 )  
**(43)** 12.05.2022

**(44)** 30.11.2023  
**(62)** 2019226562  
**(72)** WILLIAMS, Simon F.; RIZK, Said; MAR-  
 TIN, David P.  
**(74)** FB Rice Pty Ltd

**(71)** Terra Quantum AG  
**(11)** AU-B-2022201032  
**(21)** 2022201032 **(22)** 16.02.2022  
**(54)** LONG-DISTANCE QUANTUM KEY  
 DISTRIBUTION  
**(51)** Int. Cl.  
**H04L 9/32** ( 2006.01 )  
**(31)** 21157942.0 **(32)** 18.02.21 **(33)** EP  
 21166427.1 31.03.21 EP  
**(43)** 01.09.2022  
**(44)** 30.11.2023  
**(72)** KIRSANOV, Nikita; KENBAEV, Nur-  
 bolat; KRONBERG, Dmitry; VINOKUR,  
 Valerii; LESOVIK, Gordey; SEKATSKI,  
 Pavel; SAGINGALIEVA, Asel  
**(74)** Griffith Hack

**(71)** The Boeing Company  
**(11)** AU-B-2018236868  
**(21)** 2018236868 **(22)** 28.09.2018  
**(54)** Apparatus and method for manufactur-  
 ing liquid molded composites using a  
 discrete network of tool surface resin  
 distribution grooves  
**(51)** Int. Cl.  
**B29C 70/68** ( 2006.01 )  
**B29C 33/34** ( 2006.01 )  
**(31)** 15/819,862 **(32)** 21.11.17 **(33)** US  
**(43)** 06.06.2019  
**(44)** 30.11.2023  
**(72)** DONGRE, Kaustubh; EVANS, Paul;  
 LOCKETT, Peter J.; McBAIN, Jason J.;  
 OSBORNE, Max M.; SCARFE, Man-  
 ning  
**(74)** Spruson & Ferguson

**(71)** The Boeing Company  
**(11)** AU-B-2019201676  
**(21)** 2019201676 **(22)** 12.03.2019  
**(54)** Improved joint for a metal airplane skin  
 using metal matrix composite  
**(51)** Int. Cl.  
**B32B 5/12** ( 2006.01 )  
**B32B 15/14** ( 2006.01 )  
**B32B 15/20** ( 2006.01 )  
**B64C 1/00** ( 2006.01 )  
**(31)** 15/945,871 **(32)** 05.04.18 **(33)** US  
**(43)** 24.10.2019  
**(44)** 30.11.2023  
**(72)** NORDMAN, Paul S.  
**(74)** Spruson & Ferguson

**(71)** The Chamberlain Group LLC  
**(11)** AU-B-2019226225  
**(21)** 2019226225 **(22)** 06.09.2019  
**(54)** Movable barrier operator registration  
 verification  
**(51)** Int. Cl.  
**H04L 12/28** ( 2006.01 )  
**E05F 15/77** ( 2015.01 )  
**(31)** 62/728,721 **(32)** 07.09.18 **(33)** US

**(43)** 26.03.2020  
**(44)** 30.11.2023  
**(72)** FARBER, Jordan Ari.; MURRAY, James  
 Scott,  
**(74)** Spruson & Ferguson

**(71)** The Chemours Company FC, LLC  
**(11)** AU-B-2018405230  
**(21)** 2018405230 **(22)** 19.12.2018  
**(54)** Compositions, system and methods for  
 introducing poe lubricant into an electric  
 (HEV, PHEV, EV) automotive air-condi-  
 tioning/heating system or stationary  
 air-conditioning/heating system or sta-  
 tionary refrigeration system using lower  
 or low GWP refrigerant or refrigerant  
 blends  
**(51)** Int. Cl.  
**C10M 171/00** ( 2006.01 )  
**B60H 1/00** ( 2006.01 )  
**F25B 45/00** ( 2006.01 )  
**C10N 40/30** ( 2006.01 )  
**(87)** WO2019/147364  
**(31)** 62/620,575 **(32)** 23.01.18 **(33)** US  
 62/745,449 14.10.18 US  
**(43)** 01.08.2019  
**(44)** 30.11.2023  
**(72)** KOBAN, Mary E.; GRAY, Nina E.;  
 MENTZ Jr., Hubert  
**(74)** Houlihan Intellectual Property Pty Ltd

**(71)** The Coca-Cola Company  
**(11)** AU-B-2018313960  
**(21)** 2018313960 **(22)** 10.08.2018  
**(54)** Beverage dispenser with customized  
 nutritive levels and multiple sweetener  
 sources  
**(51)** Int. Cl.  
**B67D 1/00** ( 2006.01 )  
**(87)** WO2019/032969  
**(31)** 62/544,196 **(32)** 11.08.17 **(33)** US  
**(43)** 14.02.2019  
**(44)** 30.11.2023  
**(72)** LANE, Sue; WILSON, Jamal Omari;  
 FRIEL, Maxwell Pehge; WRIGHT,  
 Kristin; CARRABOTTA, Michele; CAR-  
 PENTER, Gregg  
**(74)** FB Rice Pty Ltd

**(71)** The Council of the Queensland Institute  
 of Medical Research  
**(11)** AU-B-2017314870  
**(21)** 2017314870 **(22)** 25.08.2017  
**(54)** Cardiomyocyte maturation  
**(51)** Int. Cl.  
**C12N 5/077** ( 2010.01 )  
**C12N 5/00** ( 2006.01 )  
**C12N 5/02** ( 2006.01 )  
**C12N 5/071** ( 2010.01 )  
**(87)** WO2018/035574  
**(31)** 2016903404 **(32)** 26.08.16 **(33)** AU  
**(43)** 01.03.2018  
**(44)** 30.11.2023  
**(72)** Porrello, Enzo; Hudson, James; Tit-  
 marsh, Drew; Mills, Richard  
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 (11) AU-B-2023200402  
 (21) 2023200402 (22) 25.01.2023  
 (54) BATTERY CLAMP DEVICE  
 (51) Int. Cl.  
     H01R 11/24 ( 2006.01 )  
     H01R 11/22 ( 2006.01 )  
     H01R 11/28 ( 2006.01 )  
 (43) 23.02.2023  
 (44) 30.11.2023  
 (62) 2020258854  
 (72) NOOK, Jonathan Lewis; NOOK Sr.,  
     William Knight; STANFIELD, James  
     Richard; UNDERHILL, Derek Michael  
 (74) Griffith Hack

(71) The Queen's University Of Belfast;  
 Chromadex Inc.  
 (11) AU-B-2017356475  
 (21) 2017356475 (22) 10.11.2017  
 (54) Efficient and scalable syntheses of  
 nicotinoyl ribosides and reduced  
 nicotinoyl ribosides, modified derivat-  
 ives thereof, phosphorylated analogs  
 thereof, adenylyl dinucleotide conjug-  
 ates thereof, and novel crystalline forms  
 thereof  
 (51) Int. Cl.  
     C07H 19/048 ( 2006.01 )  
     A61K 31/455 ( 2006.01 )  
     A61K 31/706 ( 2006.01 )  
     C07H 1/00 ( 2006.01 )  
 (87) WO2018/089830  
 (31) 15/809,753 (32) 10.11.17 (33) US  
     62/558,073 13.09.17 US  
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 (43) 17.05.2018  
 (44) 30.11.2023  
 (72) Migaud, Marie Eugenie; Redpath,  
     Philip; Crossey, Kerri; Cunningham,  
     Richard; Erickson, Aron; Nygaard,  
     Richard; Storjohann, Amanda  
 (74) Pipers Intellectual Property

(71) The Regents of The University of Cali-  
 fornia  
 (11) AU-B-2021257948  
 (21) 2021257948 (22) 26.10.2021  
 (54) CFTR regulators and methods of use  
 thereof  
 (51) Int. Cl.  
     C07D 285/135 ( 2006.01 )  
     C07K 5/062 ( 2006.01 )  
     C07K 5/078 ( 2006.01 )  
 (43) 25.11.2021  
 (44) 30.11.2023  
 (62) 2016377782  
 (72) Verkman, Alan; Levin, Marc H.; Cil, On-  
     ur  
 (74) Pizeys Patent and Trade Mark Attor-  
     neys Pty Ltd

(71) The Research Foundation for The State  
 University of New York  
 (11) AU-B-2017353907  
 (21) 2017353907 (22) 30.10.2017  
 (54) 5-halouracil-modified microRNAs and  
 their use in the treatment of cancer

(51) Int. Cl.  
     A61K 31/7105 ( 2006.01 )  
     A61K 45/06 ( 2006.01 )  
     A61K 48/00 ( 2006.01 )  
     A61N 5/10 ( 2006.01 )  
     A61P 35/00 ( 2006.01 )  
     C07H 21/02 ( 2006.01 )  
 (87) WO2018/085198  
 (31) 62/464,491 (32) 28.02.17 (33) US  
     62/415,740 01.11.16 US  
     62/422,298 15.11.16 US  
 (43) 11.05.2018  
 (44) 30.11.2023  
 (72) Ju, Jingfang  
 (74) Phillips Ormonde Fitzpatrick

(71) The Trailer Buddy Pty Ltd  
 (11) AU-B-2019284212  
 (21) 2019284212 (22) 07.06.2019  
 (54) A vehicle camera telemetry system  
 (51) Int. Cl.  
     H04N 7/18 ( 2006.01 )  
     H04N 9/47 ( 2006.01 )  
 (87) WO2019/237147  
 (31) 2018902097 (32) 12.06.18 (33) AU  
 (43) 19.12.2019  
 (44) 30.11.2023  
 (72) TONKIN, Bradley  
 (74) Patentec Patent Attorneys

The University of Tokyo see Komatsu Ltd.  
 (21) 2020282990

(71) Toshiba Carrier Corporation  
 (11) AU-B-2019466418  
 (21) 2019466418 (22) 17.09.2019  
 (54) Air conditioner and control method  
 (51) Int. Cl.  
     F25B 47/02 ( 2006.01 )  
     F25B 6/02 ( 2006.01 )  
     F25B 13/00 ( 2006.01 )  
 (87) WO2021/053710  
 (43) 25.03.2021  
 (44) 30.11.2023  
 (72) MIURA, Ken; HAMASHIMA, Tetsuma;  
     SHIMIZU, Katsuhiko  
 (74) Phillips Ormonde Fitzpatrick

(71) Toshiba Infrastructure Systems & Solu-  
 tions Corporation  
 (11) AU-B-2021342862  
 (21) 2021342862 (22) 08.06.2021  
 (54) Controller  
 (51) Int. Cl.  
     G05B 19/042 ( 2006.01 )  
     G06F 13/12 ( 2006.01 )  
     G06F 13/14 ( 2006.01 )  
     G06F 13/38 ( 2006.01 )  
 (87) WO2022/059270  
 (31) 2020-156097 (32) 17.09.20 (33) JP  
 (43) 24.03.2022  
 (44) 30.11.2023  
 (72) NAKAGAWA, Katsutoshi; YAMADA,  
     Yuta  
 (74) Griffith Hack

(71) TRACTO-TECHNIK GmbH & Co. KG  
 (11) AU-B-2021218219  
 (21) 2021218219 (22) 20.08.2021  
 (54) DRILLING HEAD FOR A PERCUSSIVE  
 DISPLACEMENT GROUND DRILLING  
 DEVICE AND USE OF A DRILLING  
 HEAD FOR A PERCUSSIVE DIS-  
 PLACEMENT GROUND DRILLING  
 DEVICE  
 (51) Int. Cl.  
     E21B 10/40 ( 2006.01 )  
     E21B 4/06 ( 2006.01 )  
 (31) 102020005128.6 (32) 21.08.20 (33) DE  
 (43) 10.03.2022  
 (44) 30.11.2023  
 (72) Püttmann, Franz-Josef  
 (74) Phillips Ormonde Fitzpatrick

(71) TransAct Technologies Incorporated  
 (11) AU-B-2018246181  
 (21) 2018246181 (22) 09.10.2018  
 (54) Two-part spindle mechanism for a print-  
 er paper bucket, a printer paper buck-  
 et, and a printer having a paper bucket  
 with a two-part spindle mechanism  
 (51) Int. Cl.  
     B41J 15/04 ( 2006.01 )  
     B65H 16/02 ( 2006.01 )  
 (31) 15/796,981 (32) 30.10.17 (33) US  
 (43) 16.05.2019  
 (44) 30.11.2023  
 (72) HARRIS, Bruce; WEEKS, David  
 (74) Spruson & Ferguson

(71) Treeway TW001 B.V.  
 (11) AU-B-2018209155  
 (21) 2018209155 (22) 17.01.2018  
 (54) Treatment comprising oral or gastric ad-  
 ministration of edaravone  
 (51) Int. Cl.  
     A61K 31/4152 ( 2006.01 )  
     A61K 9/00 ( 2006.01 )  
     A61K 9/08 ( 2006.01 )  
     A61K 47/02 ( 2006.01 )  
     A61P 25/00 ( 2006.01 )  
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 (31) 17180087.3 (32) 06.07.17 (33) EP  
     17151741.0 17.01.17 EP  
     PCT/ 06.07.17 EP  
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 (44) 30.11.2023  
 (72) Moolenaar, Sytske Hyke; Van Der  
     Geest, Ronald  
 (74) Griffith Hack

(71) Trilliant Surgical LLC  
 (11) AU-B-2019467765  
 (21) 2019467765 (22) 30.09.2019  
 (54) Variable angle locking construct for or-  
 thopedic applications  
 (51) Int. Cl.  
     A61B 17/80 ( 2006.01 )  
     A61B 17/86 ( 2006.01 )  
 (87) WO2021/061166  
 (31) 16/585,762 (32) 27.09.19 (33) US  
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 (72) TOUCHET, Tyler; RADZICKI, Christopher  
 (74) AJ PARK

(71) Tritana Intellectual Property Ltd.  
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 (21) 2020235767 (22) 12.03.2020  
 (54) Weed seed destruction  
 (51) Int. Cl.  
 A01D 41/12 ( 2006.01 )  
 A01F 12/40 ( 2006.01 )  
 A01F 12/48 ( 2006.01 )

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 (31) 62/818,417 (32) 14.03.19 (33) US  
 (43) 17.09.2020  
 (44) 30.11.2023  
 (72) MAYERLE, Dean  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) TURBOSMART PTY LIMITED  
 (11) AU-B-2018253619  
 (21) 2018253619 (22) 26.10.2018  
 (54) Boost Device Diverter Valve System  
 (51) Int. Cl.  
 F16K 31/06 ( 2006.01 )  
 (31) 2017904391 (32) 30.10.17 (33) AU  
 (43) 16.05.2019  
 (44) 30.11.2023  
 (72) Doumbos, Christopher  
 (74) Fraser Old & Sohn

(71) United Rentals Australia Pty Ltd  
 (11) AU-B-2017272306  
 (21) 2017272306 (22) 08.12.2017  
 (54) Door closure  
 (51) Int. Cl.  
 B65D 90/54 ( 2006.01 )  
 B65D 88/00 ( 2006.01 )  
 (43) 27.06.2019  
 (44) 30.11.2023  
 (72) Brown, Steven; Greatrex, Brendon; Dupres, Ben  
 (74) Davies Collison Cave Pty Ltd

(71) University of Georgia Research Foundation, Inc.; ArunA Biomedical, Inc.  
 (11) AU-B-2016357303  
 (21) 2016357303 (22) 16.11.2016  
 (54) Neural cell extracellular vesicles  
 (51) Int. Cl.  
 A61K 35/30 ( 2006.01 )  
 A61K 35/545 ( 2015.01 )  
 A61P 25/00 ( 2006.01 )  
 (87) WO2017/087500  
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 (74) A.P.T. Patent and Trade Mark Attorneys

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 G01C 19/5783 ( 2012.01 )  
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<b>2016348215</b>	PGG Wrightson Seeds Limited	<b>2018256964</b>	Arrinex, Inc.
<b>2016348388</b>	Janssen Biotech, Inc.	<b>2018258236</b>	IRISS Holdings, Inc.
<b>2016354100</b>	Yale University	<b>2018258694</b>	ESS Tech, Inc.
<b>2016357303</b>	University of Georgia Research Foundation, Inc.; Aruna Biomedical, Inc.	<b>2018259230</b>	Alcon Inc.
<b>2017235372</b>	Mipsalus ApS	<b>2018260981</b>	Sumitomo Electric Industries, Ltd.
<b>2017239585</b>	Inovobiologic Inc.	<b>2018263784</b>	SeralP AG
<b>2017272306</b>	United Rentals Australia Pty Ltd	<b>2018264866</b>	Solar Turbines Incorporated
<b>2017285995</b>	Agency for Science, Technology and Research	<b>2018264872</b>	Medos International Sàrl
<b>2017305404</b>	Editas Medicine, Inc.	<b>2018265494</b>	Distalmotion SA
<b>2017314870</b>	The Council of the Queensland Institute of Medical Research	<b>2018271137</b>	MEQ Probe Pty Ltd
		<b>2018274161</b>	Blasczyk, R.; Ferreira De Figueiredo, C.
		<b>2018282636</b>	Croda, Inc.
<b>2017315952</b>	Amgen Inc.	<b>2018284207</b>	YETI Coolers, LLC
<b>2017322099</b>	Tasmanian Alkaloids Pty Ltd	<b>2018284352</b>	Russell, T.E.
<b>2017325722</b>	SurModics, Inc.	<b>2018288115</b>	Hosokawa Yoko Co., Ltd.
<b>2017325999</b>	Takeda Pharmaceutical Company Limited	<b>2018289722</b>	Sumitomo Metal Mining Co., Ltd.
<b>2017333606</b>	Aquabank Australia Pty Ltd	<b>2018291171</b>	Edwards Lifesciences Corporation
<b>2017336100</b>	Regeneron Pharmaceuticals, Inc.	<b>2018291400</b>	NuVasive, Inc.
<b>2017345598</b>	Metabolic Technologies, Inc.	<b>2018292165</b>	Oterap Holding B.V.
<b>2017345623</b>	Pressure Systems International, LLC	<b>2018304430</b>	Manitou BF
<b>2017346879</b>	Novartis AG	<b>2018304531</b>	Dr. August Wolff GmbH & Co. KG Arzneimittel
<b>2017353094</b>	Witron Logistik + Informatik GmbH	<b>2018306540</b>	Professional Dietetics S.p.A.
<b>2017353907</b>	The Research Foundation for The State University of New York	<b>2018308699</b>	Technische Universität München; Technische Universität München - Klinikum Rechts der Isar
		<b>2018313960</b>	The Coca-Cola Company
<b>2017356475</b>	The Queen's University Of Belfast; Chromadex Inc.	<b>2018318001</b>	Becton, Dickinson and Company
<b>2017371384</b>	McKinnon, P.	<b>2018319371</b>	BAE Systems plc
<b>2017374044</b>	Intellia Therapeutics, Inc.	<b>2018320182</b>	Koninklijke Philips N.V.
<b>2017379931</b>	National Oilwell DHT, L.P.	<b>2018321359</b>	SanaBio, LLC
<b>2017381059</b>	Katholieke Universiteit Leuven	<b>2018322381</b>	TDW Delaware, Inc.
<b>2017382170</b>	Axcella Health Inc.	<b>2018322961</b>	DePuy Synthes Products, Inc.
<b>2017384674</b>	Tchibo GmbH	<b>2018325278</b>	SWIMC LLC
<b>2017393111</b>	Northquip Inc.	<b>2018326671</b>	Nucana PLC
<b>2017432640</b>	Vectura Inc.	<b>2018326805</b>	Dana-Farber Cancer Institute, Inc.
<b>2018201311</b>	ARTlife Solutions Pty Ltd	<b>2018327774</b>	Daicel-Evonik Ltd.
<b>2018201404</b>	MAAP House Pty Ltd	<b>2018330295</b>	dormakaba USA Inc.
<b>2018201866</b>	S & M Trading Pty Ltd	<b>2018332417</b>	CrystalGenomics, Inc.
<b>2018202605</b>	Otis Elevator Company	<b>2018337917</b>	Salts Healthcare Limited
<b>2018204614</b>	B. Braun Melsungen AG	<b>2018341591</b>	Kimberly-Clark Worldwide, Inc.
<b>2018205327</b>	Melinta Therapeutics, Inc.	<b>2018342892</b>	Purac Biochem B.V.
<b>2018207204</b>	Pivot Bio, Inc.	<b>2018343310</b>	Victoria Link Limited
<b>2018208794</b>	Ynsect	<b>2018344460</b>	Purac Biochem B.V.
<b>2018209123</b>	Z-Modular Holding, Inc.	<b>2018346174</b>	Lesaffre et Compagnie
<b>2018209155</b>	Treeway TW001 B.V.	<b>2018348028</b>	Profile Products L.L.C.
<b>2018211012</b>	Q.E.D. Environmental Systems, Inc.	<b>2018348581</b>	Equinor Energy AS
<b>2018213105</b>	Chaplin, S.	<b>2018348643</b>	Jensen Denmark A/S
<b>2018217388</b>	BP p.l.c.	<b>2018351000</b>	Alpine Immune Sciences, Inc.
<b>2018223899</b>	University of Southampton	<b>2018353483</b>	Engie; Enercat
<b>2018224297</b>	Opex Corporation	<b>2018354240</b>	Ab Initio Technology LLC
<b>2018226612</b>	Reflex Instruments Asia Pacific Pty Ltd	<b>2018355433</b>	Spraying Systems Co.
<b>2018230649</b>	Packsize LLC	<b>2018365181</b>	Equifax Inc.
<b>2018231082</b>	Evoqua Water Technologies LLC	<b>2018368811</b>	Catoi, P.
<b>2018234280</b>	Cansense Group Ltd	<b>2018373247</b>	Ancestry.com DNA, LLC
<b>2018234306</b>	Cipla Limited	<b>2018373535</b>	Sandvik Intellectual Property AB
<b>2018236225</b>	Okava Pharmaceuticals, Inc.	<b>2018376566</b>	BIT Pharma GmbH
<b>2018236868</b>	The Boeing Company	<b>2018377893</b>	Amcor Flexibles Denmark A/S
<b>2018237187</b>	Novozymes BioAg A/S	<b>2018381369</b>	Kao Corporation
<b>2018241913</b>	Dietz, M.	<b>2018383589</b>	Donaldson Company, Inc.
<b>2018246009</b>	Kimberly-Clark Worldwide, Inc.	<b>2018385255</b>	Societe des Produits Nestle S.A.
<b>2018246181</b>	TransAct Technologies Incorporated	<b>2018389776</b>	Integene (Pty) Limited
<b>2018246236</b>	Harsco Technologies LLC	<b>2018390983</b>	Leica Biosystems Melbourne Pty Ltd
<b>2018248022</b>	Technological Resources Pty. Limited	<b>2018390985</b>	GroundProbe Pty Ltd
<b>2018248685</b>	Equinor Energy AS	<b>2018394156</b>	Deutsches Institut für Lebensmitteltechnik e.V.
<b>2018249550</b>	Curza Global, LLC; University of Utah Research Foundation	<b>2018399899</b>	Coloplast A/S
		<b>2018401104</b>	NTT DOCOMO, INC.
<b>2018253215</b>	Cryovac, LLC	<b>2018403191</b>	Laitram, L.L.C.
<b>2018253442</b>	Medical Microinstruments, Inc.	<b>2018405230</b>	The Chemours Company FC, LLC
<b>2018253619</b>	TURBOSMART PTY LIMITED		
<b>2018256769</b>	Komatsu Forest AB		

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<b>2018408725</b>	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	<b>2020358078</b>	Fresenius Medical Care Holdings, Inc.
<b>2018449641</b>	Axogen Corporation	<b>2020364186</b>	Novartis AG
<b>2019200953</b>	ADTRAN, Inc.	<b>2020374116</b>	LG Electronics Inc.
<b>2019201676</b>	The Boeing Company	<b>2020384096</b>	Contemporary Amperex Technology Co., Limited
<b>2019210191</b>	Ecolab USA Inc.	<b>2020384683</b>	Zhejiang Chint Electrics Co., Ltd.
<b>2019214082</b>	Sichuan Inlu Weite Pharmaceutical Technology Co., Ltd.	<b>2020400413</b>	Axon Enterprise, Inc.
<b>2019218789</b>	CiDRA Corporate Services LLC	<b>2020402997</b>	Honeywell International Inc.
<b>2019219714</b>	Tata Consultancy Services Limited	<b>2020418080</b>	Apption Labs Limited
<b>2019223022</b>	Spraying Systems Co.	<b>2020418132</b>	BMC Medical Co., Ltd.
<b>2019226225</b>	The Chamberlain Group LLC	<b>2020423043</b>	P.E. Labellers S.p.A.
<b>2019232473</b>	Andr�n, P.; Odell, L.; Nilsson, A.; Shariatgorji, M.; S�vmarker, J.	<b>2020428979</b>	Huawei Technologies Co., Ltd.
<b>2019237517</b>	Talis Biomedical Corporation	<b>2020431701</b>	Mitsubishi Electric Corporation
<b>2019239880</b>	Regeneron Pharmaceuticals, Inc.	<b>2020439859</b>	Huawei Digital Power Technologies Co., Ltd.
<b>2019253424</b>	American Sterilizer Company	<b>2020472128</b>	NIPPON TELEGRAPH AND TELEPHONE CORPORATION
<b>2019269661</b>	Carefusion 303, Inc	<b>2020472445</b>	NIPPON TELEGRAPH AND TELEPHONE CORPORATION
<b>2019273780</b>	Bticino SpA	<b>2021200519</b>	Hidrate, Inc.
<b>2019279311</b>	CentricsBio, Inc.	<b>2021203246</b>	Illumina, Inc.
<b>2019284212</b>	The Trailer Buddy Pty Ltd	<b>2021203295</b>	Illumina, Inc.
<b>2019286354</b>	Bticino SpA	<b>2021203383</b>	National Center of Neurology and Psychiatry; Nippon Shinyaku Co., Ltd.
<b>2019355218</b>	Emory University	<b>2021203862</b>	Bry Air [Asia] Pvt. Ltd.
<b>2019359469</b>	Immunolight, LLC	<b>2021204269</b>	Board of Regents of the University of Nebraska
<b>2019378623</b>	RELAVO, INC.	<b>2021204561</b>	Psionic LLC
<b>2019383797</b>	Rancilio Group S.p.A.	<b>2021206525</b>	ACO Ahlmann SE & Co. KG
<b>2019390394</b>	Forty Seven, Inc.	<b>2021208113</b>	Shanghai Haiyan Pharmaceutical Technology Co., Ltd.; Yangtze River Pharmaceutical Group Co., Ltd.
<b>2019394685</b>	Halliburton Energy Services, Inc.	<b>2021209202</b>	Selecta Biosciences, Inc.
<b>2019395322</b>	International Business Machines Corporation	<b>2021211411</b>	Rosemount Inc.
<b>2019398725</b>	Acurable Limited	<b>2021213960</b>	Nicoventures Trading Limited
<b>2019403384</b>	Levity Products, Inc.	<b>2021215729</b>	Alphatec Spine, Inc.
<b>2019406813</b>	ESCO Group LLC	<b>2021215896</b>	Weir Minerals Netherlands B.V.
<b>2019419281</b>	MD Healthcare Inc.	<b>2021218084</b>	Pride Mobility Products Corporation
<b>2019455069</b>	Hangzhou DAC Biotech Co., Ltd	<b>2021218219</b>	TRACTO-TECHNIK GmbH & Co. KG
<b>2019466418</b>	Toshiba Carrier Corporation	<b>2021219801</b>	William Marsh Rice University
<b>2019467765</b>	Trilliant Surgical LLC	<b>2021225308</b>	Shell Internationale Research Maatschappij B.V.
<b>2019469575</b>	Guangzhou Shiyuan Electronic Technology Company Limited; Guangzhou Shizhen Information Technology Co., Ltd.	<b>2021225408</b>	Hexaware Technologies Limited
<b>2019475299</b>	Huawei Technologies Co., Ltd.	<b>2021227084</b>	Accu Target MediPharma (Shanghai) Co., Ltd.
<b>2020227859</b>	Huawei Technologies Co., Ltd.	<b>2021229122</b>	Adobe Inc.
<b>2020233004</b>	Huawei Technologies Co., Ltd.	<b>2021230848</b>	Daikin Industries, Ltd.
<b>2020235767</b>	Tritana Intellectual Property Ltd.	<b>2021231419</b>	International Business Machines Corporation
<b>2020242724</b>	Ningbo Kunpeng Biotech Co., Ltd.	<b>2021232679</b>	SharkNinja Operating LLC
<b>2020247242</b>	Huawei Technologies Co., Ltd.	<b>2021232774</b>	FMC CORPORATION
<b>2020260375</b>	Pfizer Inc.	<b>2021236554</b>	Illinois Tool Works Inc.
<b>2020261145</b>	Huawei Technologies Co., Ltd.	<b>2021236844</b>	Memjet Technology Limited
<b>2020274162</b>	80 Acres Urban Agriculture, Inc.	<b>2021236965</b>	International Business Machines Corporation
<b>2020275694</b>	Caterpillar Inc.	<b>2021237185</b>	LG Chem, Ltd.
<b>2020277259</b>	Ausco Modular Pty Limited	<b>2021238417</b>	Rheinmetall MAN Military Vehicles �sterreich GesmbH
<b>2020279576</b>	Praxair Technology, Inc.	<b>2021240174</b>	FISHER & PAYKEL HEALTHCARE LIMITED
<b>2020279969</b>	University of Maryland, College Park	<b>2021241419</b>	Baker Hughes Oilfield Operations LLC
<b>2020282990</b>	Komatsu Ltd.; The University of Tokyo	<b>2021241931</b>	Hitachi Construction Machinery Co., Ltd.
<b>2020290276</b>	Canon Kabushiki Kaisha	<b>2021245044</b>	Alfa Laval Corporate AB
<b>2020292097</b>	LG Electronics Inc.	<b>2021250878</b>	Illumina, Inc.; Illumina Cambridge Limited
<b>2020293739</b>	Prilenia Neurotherapeutics Ltd.	<b>2021255124</b>	International Business Machines Corporation
<b>2020294105</b>	Bigfoot Biomedical, Inc.	<b>2021255243</b>	Luoyang Landglass Technology Co., Ltd
<b>2020298563</b>	Derrick Corporation	<b>2021257912</b>	FiberLean Technologies Limited
<b>2020313544</b>	Hagepe International B.V.; Cenergist Limited	<b>2021257948</b>	The Regents of The University of California
<b>2020314531</b>	Capital One Services, LLC	<b>2021258101</b>	Mederis Diabetes, LLC
<b>2020316600</b>	Abu Dhabi Polymers Co. Ltd (Borouge) L.L.C.; Borealis AG	<b>2021260520</b>	International Business Machines Corporation
<b>2020320325</b>	LG Electronics Inc.	<b>2021261647</b>	Telefonaktiebolaget LM Ericsson (publ)
<b>2020322008</b>	Fast IP, LLC	<b>2021262764</b>	Raven Industries, Inc.
<b>2020327937</b>	PPG Industries Ohio, Inc.	<b>2021266250</b>	GREEN GRID INC.
<b>2020336658</b>	LG Electronics Inc.	<b>2021266251</b>	Bourgault Industries Ltd.
<b>2020340538</b>	Fraunhofer-Gesellschaft zur F�rderung der angewandten Forschung e.V.	<b>2021266280</b>	Acres Technology
<b>2020343671</b>	Rigel Pharmaceuticals, Inc.	<b>2021266342</b>	Coe, W.B.
<b>2020347099</b>	Silicon Quantum Computing Pty Limited	<b>2021267213</b>	Novartis AG
<b>2020355181</b>	DeepMind Technologies Limited	<b>2021269367</b>	Wix.com Ltd.
<b>2020355343</b>	Pfizer Inc.	<b>2021269384</b>	Snap-on Incorporated
		<b>2021273535</b>	Snap-on Incorporated
		<b>2021277702</b>	Cystic Fibrosis Foundation
		<b>2021278105</b>	Honeywell International Inc.

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2021300495 Chengdu Di'ao JiuHong Pharmaceutical Factory  
2021308322 Ocado Innovation Limited  
2021315604 Gentex Corporation  
2021328443 Doshi, H.  
2021339074 DOSHI, H.A.  
2021342862 Toshiba Infrastructure Systems & Solutions Corporation  
2021353112 NICOVENTURES TRADING LIMITED  
2021354030 Google LLC  
2021371394 HITACHI, LTD.  
2021371782 Karatzis S.A. Industrial & Hotelier Enterprises  
2021402007 DEFENCE THERAPEUTICS INC.  
2021411017 Sirio Pharma Co., Ltd.  
2021431376 CHINA BUILDING MATERIALS ACADEMY  
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2022200383 Kawasaki Jukogyo Kabushiki Kaisha  
2022200691 Rovi Guides, Inc.  
2022200707 SKINPROTECT CORPORATION SDN BHD  
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2022200853 Lzlabs GmbH  
2022200905 Dexcom, Inc.  
2022201032 Terra Quantum AG  
2022201994 SPECLIPSE, Inc.  
2022202096 MindChamps Music Pte. Limited  
2022202180 Seegene, Inc.  
2022202283 Weatherford Technology Holdings, LLC  
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2022202609 Tephra, Inc.  
2022202767 Werner Co.  
2022203335 RCM Enterprise, LLC  
2022203693 Intuit Inc.  
2022203920 Ishida Co., Ltd.  
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2022204201 Solutions for Millennia Pty Ltd  
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2022204665 Intuit Inc.  
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2022205146 Huawei Technologies Co., Ltd.  
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2022215188 Apple Inc.  
2022215310 BOTANICAL WATER TECHNOLOGIES IP LTD  
2022218525 Angel Group Co., Ltd.  
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2022224825 Angel Group Co., Ltd.  
2022236088 SIEMENS ENERGY GLOBAL GMBH & CO. KG  
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2023226655 Beijing Sanyuan Foods Co., Ltd.  
2023226777 Modern Flames, LLC  
2023248173 Cape Analytics, Inc.  
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2023251448 Dynamics G-Ex Pty Ltd

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2018213105	2018282636	2018208794	2020322008	2018256964	2019355218
<b><u>A01C 7 /-</u></b>	<b><u>A01N 57 /-</u></b>	2018389776	<b><u>A43C 11 /-</u></b>	2019359469	2020293739
2021266251	2018282636	<b><u>A23L 19 /-</u></b>	2020322008	2021227084	2020343671
2022205255	<b><u>A01N 63 /-</u></b>	2018292165	<b><u>A44B 11 /-</u></b>	2021291158	2020355343
<b><u>A01D 41 /-</u></b>	2018237187	<b><u>A23L 2 /-</u></b>	2020400413	2022203925	2020364186
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<b><u>A01F 12 /-</u></b>	2018282636	2022215310	2017371384	<b><u>A61B 34 /-</u></b>	2021208113
2020235767	<b><u>A01P 21 /-</u></b>	<b><u>A23L 27 /-</u></b>	<b><u>A45F 3 /-</u></b>	2018253442	2021209202
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2018256769	<b><u>A01P 23 /-</u></b>	<b><u>A23L 29 /-</u></b>	<b><u>A45F 5 /-</u></b>	2022200731	2021237185
<b><u>A01G 31 /-</u></b>	2018274161	2018344460	2020400413	<b><u>A61B 46 /-</u></b>	2021258101
2017333606	<b><u>A01P 3 /-</u></b>	2021411017	<b><u>A47G 19 /-</u></b>	2018265494	2021267213
2018348028	2018282636	<b><u>A23L 33 /-</u></b>	2021200519	<b><u>A61B 8 /-</u></b>	2021277702
2020274162	<b><u>A01P 7 /-</u></b>	2017382170	<b><u>A47G 23 /-</u></b>	2018256964	2021300495
<b><u>A01G 7 /-</u></b>	2018237187	2018208794	2021200519	2023200901	<b><u>A61K 33 /-</u></b>
2020274162	2018282636	2018344460	<b><u>A47J 31 /-</u></b>	<b><u>A61B 90 /-</u></b>	2022215310
<b><u>A01G 9 /-</u></b>	<b><u>A21D 10 /-</u></b>	2019419281	2017384674	2018265494	<b><u>A61K 35 /-</u></b>
2018348028	2018346174	<b><u>A23P 20 /-</u></b>	2019383797	<b><u>A61F 2 /-</u></b>	2016357303
2020274162	<b><u>A21D 8 /-</u></b>	<b><u>A23P 30 /-</u></b>	<b><u>A47L 11 /-</u></b>	2018259230	2018208794
<b><u>A01H 1 /-</u></b>	2018346174	2018394156	2020320325	2018263784	2019390394
2017322099	<b><u>A23G 1 /-</u></b>	<b><u>A24B 3 /-</u></b>	<b><u>A47L 5 /-</u></b>	2018264872	2019419281
<b><u>A01H 5 /-</u></b>	2018342892	2021213960	2021232679	2018291171	2021204269
2017322099	<b><u>A23G 3 /-</u></b>	<b><u>A24D 1 /-</u></b>	<b><u>A47L 7 /-</u></b>	2018291400	<b><u>A61K 36 /-</u></b>
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2017336100	<b><u>A23G 9 /-</u></b>	2021353112	2021232679	2021215729	2021258101
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<b><u>A01N 1 /-</u></b>	2018274161	2018201866	2023200401	2021215729	<b><u>A61K 39 /-</u></b>
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<b><u>A01N 25 /-</u></b>	2018241913	2022200707	2018373247	2017239585	2016354100
2018282636	<b><u>A23J 3 /-</u></b>	<b><u>A41F 1 /-</u></b>	<b><u>A61B 17 /-</u></b>	2017345598	2017285995
<b><u>A01N 33 /-</u></b>	2018241913	2020400413	2018253442	2017346879	2018326805
2018249550	<b><u>A23K 10 /-</u></b>	<b><u>A43B 11 /-</u></b>	2018265494	2017353907	2019279311
<b><u>A01N 43 /-</u></b>	2016348215	2020322008	2018291171	2017356475	2019390394
2018249550	2018389776	<b><u>A43B 23 /-</u></b>	2018291400	2017381059	2021209202
2018282636	<b><u>A23K 20 /-</u></b>	2020322008	2018322961	2017382170	2021402007
2021232774	2018389776	2019467765	2019467765	2017432640	<b><u>A61K 47 /-</u></b>
	2018389776	2021215729	2022203925	2018209155	2018209155
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				2018236225	2020260375
				2018304531	2021402007
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2018304531			<b><u>B01D 71 /-</u></b>		2017345623
2018326671	2018205327	<b><u>A61P 9 /-</u></b>		<b><u>B07B 13 /-</u></b>	
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	<b><u>A61P 17 /-</u></b>	<b><u>A61Q 15 /-</u></b>	2018217388	2018322381	
<b><u>A61L 17 /-</u></b>			2018353483		2018405230
	2021204269	2018304531	<b><u>B01J 35 /-</u></b>	<b><u>B25B 1 /-</u></b>	
2022202609					<b><u>B60K 17 /-</u></b>
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<b><u>A61L 2 /-</u></b>					2021218084
	2018306540	2018304531	<b><u>B01J 37 /-</u></b>	<b><u>B25B 21 /-</u></b>	
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2018449641	2018209155	2020384096	2018353483	2018390983	2018246236
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	2018208794	2021219801	2021215896		
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		<b><u>B01D 19 /-</u></b>		<b><u>B32B 15 /-</u></b>	
<b><u>A61M 27 /-</u></b>	2017285995		2021245044		<b><u>B62K 5 /-</u></b>
	2017353907	2018348581		2019201676	
2019403384	2018326671		<b><u>B04B 13 /-</u></b>		2021218084
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2018325278	<b><u>B66C 23 /-</u></b>	2018353483	2020355343	<b><u>C08K 3 /-</u></b>	2018405230
<b><u>B65D 30 /-</u></b>	2018304430	<b><u>C07D 211 /-</u></b>	<b><u>C07D 471 /-</u></b>	2021257912 2021266342 2022200707	<b><u>C11D 1 /-</u></b>
2018288115	<b><u>B66F 17 /-</u></b>	2020293739	2020355343 2021208113		2018381369
<b><u>B65D 33 /-</u></b>	2018304430	<b><u>C07D 213 /-</u></b>	<b><u>C07D 487 /-</u></b>	<b><u>C08K 9 /-</u></b>	<b><u>C11D 3 /-</u></b>
2018288115	<b><u>B66F 19 /-</u></b>	2019232473	2020355343 2021208113 2021277702	2021266342 2022200707	2018381369
<b><u>B65D 43 /-</u></b>	2021236554	<b><u>C07D 215 /-</u></b>	<b><u>C07D 491 /-</u></b>	<b><u>C08L 1 /-</u></b>	<b><u>C12C 5 /-</u></b>
2018284207	<b><u>B67D 1 /-</u></b>	2019232473	2020355343 2020364186	2021257912 2021266342 2022200707	2022215310
<b><u>B65D 45 /-</u></b>	2018313960 2020336658	<b><u>C07D 219 /-</u></b>	<b><u>C07D 498 /-</u></b>	2017333606 2018381369 2021257912	<b><u>C12G 1 /-</u></b>
2018284207		2019232473	2020355343	<b><u>C08L 11 /-</u></b>	2022215310
<b><u>B65D 51 /-</u></b>	<b><u>C01B 17 /-</u></b>	<b><u>C07D 239 /-</u></b>	<b><u>C07D 498 /-</u></b>	2022200707	<b><u>C12G 3 /-</u></b>
2021328443		2021232774	2020355343	<b><u>C08L 21 /-</u></b>	<b><u>C12N 1 /-</u></b>
<b><u>B65D 65 /-</u></b>	<b><u>C01B 5 /-</u></b>	<b><u>C07D 285 /-</u></b>	<b><u>C07F 9 /-</u></b>	2021266342	2018207204 2023226655
2018253215		2021257948	2018234306 2021300495	<b><u>C08L 23 /-</u></b>	
<b><u>B65D 75 /-</u></b>	<b><u>C02F 1 /-</u></b>	<b><u>C07D 295 /-</u></b>	<b><u>C07H 1 /-</u></b>	2020316600	<b><u>C12N 15 /-</u></b>
2018253215	2019210191 2021219801	2020293739	2017356475		2017305404 2017315952 2017336100 2017346879 2017374044 2018207204 2018343310 2020242724 2021203246 2021203383
<b><u>B65D 77 /-</u></b>	<b><u>C02F 11 /-</u></b>	<b><u>C07D 309 /-</u></b>	<b><u>C07H 19 /-</u></b>	<b><u>C08L 7 /-</u></b>	
2018377893	2021215896	2019232473	2017356475	2022200707	
<b><u>B65D 88 /-</u></b>	<b><u>C03B 5 /-</u></b>	<b><u>C07D 401 /-</u></b>	<b><u>C07H 21 /-</u></b>	<b><u>C08L 9 /-</u></b>	
2017272306	2020279576	2020355343 2021232774 2021237185	2017353907	2022200707	
<b><u>B65D 90 /-</u></b>	<b><u>C03C 27 /-</u></b>	<b><u>C07D 403 /-</u></b>	<b><u>C07K 14 /-</u></b>	<b><u>C08L 95 /-</u></b>	
2017272306	2021255243			2021266342	<b><u>C12N 5 /-</u></b>

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2017314870	<b><u>E04C 2 /-</u></b>	2022204201	<b><u>F16K 27 /-</u></b>	2020279576	
2018263784		2022221502			<b><u>G01G 19 /-</u></b>
	2018201404		20182226612	<b><u>F24C 7 /-</u></b>	2018248022
<b><u>C12N 9 /-</u></b>	<b><u>E04D 11 /-</u></b>	<b><u>E21B 49 /-</u></b>	<b><u>F16K 31 /-</u></b>	2023226777	<b><u>G01K 1 /-</u></b>
2019239880		2022221502	2018253619	<b><u>F24F 1 /-</u></b>	2020418080
2020242724	2021206525		2021241419		
<b><u>C12P 1 /-</u></b>	<b><u>E04D 13 /-</u></b>	2017379931	<b><u>F16L 1 /-</u></b>	2020431701	<b><u>G01N 1 /-</u></b>
				2021203862	
2018343310	2020277259	<b><u>E21D 11 /-</u></b>	2018348581	<b><u>F24F 11 /-</u></b>	2018390983
	2021206525				
<b><u>C12Q 1 /-</u></b>	<b><u>E04D 3 /-</u></b>	2018373535	<b><u>F16L 23 /-</u></b>	2020402997	<b><u>G01N 21 /-</u></b>
2017325999	2020277259	<b><u>E21D 21 /-</u></b>	2018322381	<b><u>F24F 5 /-</u></b>	2018234280
2021203295					2018271137
2021250878	<b><u>E04G 21 /-</u></b>	2018368811	<b><u>F16L 3 /-</u></b>	2021203862	<b><u>G01N 23 /-</u></b>
2022202180		2018373535			
<b><u>C12R 1 /-</u></b>	2021236554	<b><u>E21D 9 /-</u></b>	2018348581	<b><u>F24S 25 /-</u></b>	2022200707
2018343310	<b><u>E05B 27 /-</u></b>	2020282990	<b><u>F16L 41 /-</u></b>	2018284352	<b><u>G01N 33 /-</u></b>
<b><u>C25B 1 /-</u></b>	2018330295	<b><u>F01D 5 /-</u></b>	2018322381	<b><u>F25B 13 /-</u></b>	2017235372
					2017325999
2022236088	<b><u>E05B 65 /-</u></b>	2018264866	<b><u>F16L 5 /-</u></b>	2019466418	2018223899
					2018234280
<b><u>C25B 3 /-</u></b>	2018284207	<b><u>F04B 19 /-</u></b>	2018348581	<b><u>F25B 45 /-</u></b>	2018271137
					2018326671
2022236088	<b><u>E05B 9 /-</u></b>	2018246009	<b><u>F16L 55 /-</u></b>	2018405230	2022201994
<b><u>D03D 13 /-</u></b>	2018330295	<b><u>F04B 43 /-</u></b>	2018248685	<b><u>F25B 47 /-</u></b>	<b><u>G01N 35 /-</u></b>
			2018322381		
2018341591	<b><u>E05C 5 /-</u></b>	2022201994	<b><u>F17C 1 /-</u></b>	2019466418	2018390983
<b><u>D04B 21 /-</u></b>	2018284207	<b><u>F04D 31 /-</u></b>	2021266250	<b><u>F25B 6 /-</u></b>	<b><u>G01N 7 /-</u></b>
2021371782	<b><u>E05F 15 /-</u></b>	2018248685	<b><u>F17C 13 /-</u></b>	2019466418	2021240174
<b><u>D06F 95 /-</u></b>	2019226225	<b><u>F04F 1 /-</u></b>	2021266250	<b><u>F25J 1 /-</u></b>	<b><u>G01P 15 /-</u></b>
2018348643	<b><u>E06C 1 /-</u></b>	2018211012	<b><u>F17C 5 /-</u></b>	2021225308	2018246236
<b><u>D07B 1 /-</u></b>	2022202767	<b><u>F04F 7 /-</u></b>	2021266250	<b><u>F26B 21 /-</u></b>	<b><u>G01P 5 /-</u></b>
2018202605	<b><u>E06C 7 /-</u></b>	2018246009	<b><u>F17C 7 /-</u></b>	2018355433	2018403191
<b><u>D21F 1 /-</u></b>	2022202767	<b><u>F15B 1 /-</u></b>	2021266250	<b><u>F26B 3 /-</u></b>	<b><u>G01R 31 /-</u></b>
2018341591	<b><u>E21B 10 /-</u></b>	2019223022	<b><u>F17D 1 /-</u></b>	2018355433	2018258236
<b><u>D21F 5 /-</u></b>	2018226612	<b><u>F15C 1 /-</u></b>	2018248685	<b><u>F41H 7 /-</u></b>	<b><u>G01S 13 /-</u></b>
	2021218219				
2018341591	<b><u>E21B 21 /-</u></b>	2019223022	<b><u>F21S 10 /-</u></b>	2021238417	2018390985
					2021204561
<b><u>D21F 7 /-</u></b>	2018348581	<b><u>F15D 1 /-</u></b>	2023226777	<b><u>G01B 11 /-</u></b>	2021262764
	2021215896				
2018341591		2020313544	<b><u>F21V 23 /-</u></b>	2023200401	<b><u>G01S 17 /-</u></b>
<b><u>E02F 9 /-</u></b>	<b><u>E21B 33 /-</u></b>	<b><u>F16F 1 /-</u></b>	2023226777	<b><u>G01B 21 /-</u></b>	2021204561
2019406813	2022204201	2018319371	<b><u>F21V 33 /-</u></b>	2018248022	<b><u>G01S 7 /-</u></b>
2020275694					
<b><u>E03C 1 /-</u></b>	<b><u>E21B 4 /-</u></b>	<b><u>F16K 1 /-</u></b>	2023226777	<b><u>G01C 19 /-</u></b>	2021204561
2020313544	2021218219	2021241419	<b><u>F23C 9 /-</u></b>	2018246236	<b><u>G01V 15 /-</u></b>
				2020279969	
<b><u>E04B 1 /-</u></b>	<b><u>E21B 43 /-</u></b>	<b><u>F16K 15 /-</u></b>	2020279576	<b><u>G01D 21 /-</u></b>	2022200707
2018201404	2018211012	2018226612	<b><u>F23L 15 /-</u></b>	2018246236	<b><u>G01V 3 /-</u></b>
2018209123	2018248685	2018377893			
2020277259	2018348581	2020313544	2020279576	<b><u>G01F 1 /-</u></b>	2022200707
2021236554	2022202283	2021241419			
	<b><u>E21B 47 /-</u></b>		<b><u>F23L 7 /-</u></b>	2018403191	<b><u>G02B 26 /-</u></b>
				2019394685	



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2022280712	2021260520		2020355181	<b><u>H01M 10/-</u></b>	2020347099
<b><u>G02B 5/-</u></b>	2022204665	<b><u>G06Q 20/-</u></b>			
	2022215149		2020314531	<b><u>G10L 15/-</u></b>	<b><u>H03F 7/-</u></b>
2018289722	<b><u>G06F 17/-</u></b>			2019395322	2020347099
2018327774		<b><u>G06Q 30/-</u></b>	2022204665	2020384096	
<b><u>G02B 6/-</u></b>	2018271137		2022221387	<b><u>H01M 50/-</u></b>	<b><u>H04B 1/-</u></b>
	2022202180				
2018260981	<b><u>G06F 18/-</u></b>	<b><u>G06Q 40/-</u></b>	2020314531	2022202767	<b><u>H04B 10/-</u></b>
2023200401				<b><u>H01M 8/-</u></b>	
<b><u>G02C 7/-</u></b>	2021231419		2019395322	2018258694	<b><u>H04B 10/-</u></b>
	2023248173	<b><u>G06Q 50/-</u></b>			2021204561
2018259230	<b><u>G06F 21/-</u></b>		2022215149	<b><u>H01R 11/-</u></b>	<b><u>H04J 14/-</u></b>
2018327774			2022224825	2023200402	2023203920
<b><u>G03B 17/-</u></b>	2021353112	<b><u>G06T 1/-</u></b>			
	2022215149		2020355181	<b><u>H02B 1/-</u></b>	<b><u>H04L 1/-</u></b>
2020400413	<b><u>G06F 3/-</u></b>				
<b><u>G03G 21/-</u></b>			2022215188	2022202767	2018408725
	2019219714	<b><u>G06T 11/-</u></b>		<b><u>H02H 1/-</u></b>	
2020290276	2019469575		2022202180		<b><u>H04L 12/-</u></b>
	2020402997			2018258236	
<b><u>G05B 13/-</u></b>	2021269367	<b><u>G06T 13/-</u></b>	<b><u>G16B 40/-</u></b>		2019226225
	2022203693			<b><u>H02H 9/-</u></b>	2021278105
2021225308	2022215188		2022202180		
	2023201250	<b><u>G06T 15/-</u></b>		2021211411	<b><u>H04L 27/-</u></b>
<b><u>G05B 15/-</u></b>	<b><u>G06F 40/-</u></b>		<b><u>G16B 5/-</u></b>	<b><u>H02J 1/-</u></b>	2021282555
2020402997	2022203693		2022202180	2022236088	<b><u>H04L 5/-</u></b>
2021278105	2022204665	<b><u>G06T 7/-</u></b>	<b><u>G16B 50/-</u></b>	<b><u>H02J 13/-</u></b>	2020428979
2021293027					
<b><u>G05B 17/-</u></b>	<b><u>G06F 8/-</u></b>		2022202180	2022200185	<b><u>H04L 65/-</u></b>
2021225308	2018354240		<b><u>G16H 20/-</u></b>	<b><u>H02J 15/-</u></b>	2022215188
2021293027	2018365181				
<b><u>G05B 19/-</u></b>	2021225408	<b><u>G07F 17/-</u></b>	2020294105	2022236088	<b><u>H04L 67/-</u></b>
	2022200853				
2021293027	<b><u>G06F 9/-</u></b>		<b><u>G16H 40/-</u></b>	<b><u>H02J 3/-</u></b>	2021278105
2021308322					2022215188
2021342862	2021225408	<b><u>G07F 7/-</u></b>	2018320182	2020439859	<b><u>H04L 9/-</u></b>
	2022200853		2019269661	2022236088	
<b><u>G05B 23/-</u></b>	<b><u>G06K 7/-</u></b>		<b><u>G16H 50/-</u></b>	<b><u>H02J 7/-</u></b>	2022201032
					2022209019
2020402997		<b><u>G08B 13/-</u></b>		2022200185	<b><u>H04M 1/-</u></b>
2021225308	2022280712		2018320182		
<b><u>G05D 1/-</u></b>	<b><u>G06N 20/-</u></b>		2020294105	<b><u>H02J 9/-</u></b>	<b><u>H04M 1/-</u></b>
2021204561	2020472445	<b><u>G08B 25/-</u></b>	<b><u>H01H 1/-</u></b>	2022200185	2021315604
2021241931	2022204665				2023201250
2021262764	2022215149		2019286354	<b><u>H02K 11/-</u></b>	<b><u>H04M 3/-</u></b>
<b><u>G05D 7/-</u></b>	<b><u>G06N 3/-</u></b>	<b><u>G08B 3/-</u></b>			
			2019286354	2021273535	2018258236
2020313544	2018271137		<b><u>H01H 13/-</u></b>	<b><u>H02P 3/-</u></b>	<b><u>H04N 19/-</u></b>
	2020355181	<b><u>G09B 1/-</u></b>			
<b><u>G06F 11/-</u></b>	2021229122		2019273780	2021273535	2020227859
	2021354030		2019286354	<b><u>H02P 6/-</u></b>	2020233004
2022215188	2022204665	<b><u>G09B 15/-</u></b>	<b><u>H01H 11/-</u></b>		2020247242
	2022215149			2021273535	2020261145
<b><u>G06F 13/-</u></b>	<b><u>G06N 5/-</u></b>		2019286354	<b><u>H02S 50/-</u></b>	2020292097
					2020340538
2021230848	2019200953	<b><u>G09C 1/-</u></b>	<b><u>H01H 71/-</u></b>	2020439859	<b><u>H04N 7/-</u></b>
2021342862	2022204665				
<b><u>G06F 16/-</u></b>	2022215149		2020384683	<b><u>H03F 17/-</u></b>	2019284212
	<b><u>G06Q 10/-</u></b>	<b><u>G10L 13/-</u></b>			2022202582
2018201311			<b><u>H01J 43/-</u></b>	2022290931	<b><u>H04N 9/-</u></b>
2018354240	2021266250			<b><u>H03F 19/-</u></b>	
2021236965	2021308322		2021431376		2019284212

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**H04W 16 /-**

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2019475299  
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**H04W 36 /-**

2021282555

**H04W 52 /-**

2021261647

**H04W 56 /-**

2021286446

**H04W 72 /-**

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2020428979  
2021282555  
2021290693

**H04W 74 /-**

2018401104

**H04W 76 /-**

2022205146

**H04W 88 /-**

2021282555

**H04W 92 /-**

2021282555

**H05K 7 /-**

2021255124

**Certified Innovation Patents**

**Name Index**

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

- 
- (71) Australian Nuclear Science and Technology Organisation; Iluka Resources Limited  
 (11) AU-B-2021107678  
 (21) 2021107678 (22) 11.11.2021  
 (54) Processing of mineral sand particulates  
 (51) Int. Cl.  
     **C22B 1/06** ( 2006.01 )  
     **C04B 35/48** ( 2006.01 )  
     **C04B 35/626** ( 2006.01 )  
     **C04B 41/91** ( 2006.01 )  
     **C22B 1/26** ( 2006.01 )  
     **C22B 34/14** ( 2006.01 )  
     F27B 7/06 ( 2006.01 )  
     F27B 7/08 ( 2006.01 )  
     F27B 7/36 ( 2006.01 )  
 (45) 30.11.2023  
 (62) 2021221764  
 (72) Bernard, Nick; Bultitude-Paul, John; Gough, Ian; Griffiths, Chris; DeMol, John; Manis, Adrian; Roper, Adam  
 (74) FPA Patent Attorneys Pty Ltd
- 

**Grains Research and Development Corporation see Western Australian Agriculture Authority**  
 (21) 2023100079

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**Iluka Resources Limited see Australian Nuclear Science and Technology Organisation**  
 (21) 2021107678

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- (71) Western Australian Agriculture Authority; Grains Research and Development Corporation  
 (11) AU-B-2023100079  
 (21) 2023100079 (22) 05.09.2023  
 (54) Turbulence monitoring and forecasting systems and methods  
 (51) Int. Cl.  
     **G01W 1/00** ( 2006.01 )  
     **G01W 1/06** ( 2006.01 )  
 (45) 30.11.2023  
 (62) 2020301720  
 (72) GRACE, Warwick; TEPPER, Graeme; STIDWORTHY, Amy; SEATON, Martin; CARRUTHERS, David  
 (74) FORWARD INTELLECTUAL PROPERTY PTY LTD

**Numerical Index**

- 2021107678** Australian Nuclear Science and Technology Organisation; Iluka Resources Limited
- 2023100079** Western Australian Agriculture Authority; Grains Research and Development Corporation

**IPC Index**

**C04B 35 /-**

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**C04B 41 /-**

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**C22B 1 /-**

2021107678

**C22B 34 /-**

2021107678

**F27B 7 /-**

2021107678

**G01W 1 /-**

2023100079

**Opposition Proceedings**

(The name in parentheses is that of the opponent)

**Opposition Lodged**

2020316932 **Metalogenia Research & Technologies S.L.** ( CQMS PTY LTD )

**Opposition Withdrawn - Proceed to Grant**

2018267244 **De La Rue International Limited** ( CCL Secure Pty Ltd )

**Opposition Dismissed**

2010201929 **Supa Peg Australia Pty Ltd** ( Outdoor Supacentre Pty Ltd )

**Patents Granted**

**Standard Patents**

2014370386	2016225930	2016259334	2016331052
2016341403	2016347471	2016348759	2016351710
2016374289	2016434681	2017201085	2017209868
2017210726	2017213633	2017214365	2017216448
2017217813	2017218143	2017223589	2017223600
2017239571	2017245424	2017248437	2017261216
2017263833	2017264192	2017272282	2017306525
2017306557	2017307955	2017308120	2017313418
2017315966	2017319320	2017321011	2017324875
2017326156	2017331399	2017332225	2017332779
2017334278	2017336292	2017341559	2017342168
2017345286	2017345470	2017346871	2017347685
2017347975	2017353302	2017359574	2017369846
2017371678	2017371720	2017376822	2017378397
2017380531	2017381058	2017397325	2017399666
2017415310	2017420338	2017432387	2017432752
2017434054	2017436351	2017444213	2017444615
2018200763	2018200875	2018204057	2018208404
2018211069	2018216185	2018217090	2018218297
2018221581	2018224093	2018228701	2018229975
2018230474	2018231580	2018232200	2018237126
2018246254	2018254498	2018262279	2018264962
2018265773	2018266630	2018267244	2018267280
2018269479	2018269694	2018276070	2018279738
2018279792	2018286874	2018288532	2018292795
2018295591	2018297551	2018301314	2018302386
2018305728	2018305774	2018306726	2018309721
2018311656	2018316335	2018316441	2018320416
2018322998	2018325493	2018329871	2018332980
2018345384	2018360616	2018369506	2018370024
2018375389	2018378193	2018379536	2018389809
2018390760	2018392332	2018394875	2018405194
2018408341	2018415552	2019200794	2019201125
2019209930	2019229254	2019231551	2019242896
2019247419	2019269553	2019271067	2019275771
2019278877	2019282135	2019320734	2019323501
2019326038	2019339724	2019355834	2019364860
2019370804	2019418744	2019422245	2019428656
2019428963	2019431818	2019442572	2019466858
2019467927	2019478287	2020203813	2020204162
2020210194	2020217351	2020217408	2020218158
2020219716	2020223671	2020230288	2020235462
2020244635	2020246932	2020256379	2020259653
2020259891	2020261262	2020264347	2020267632
2020270394	2020271227	2020280917	2020281034
2020286372	2020292273	2020296108	2020296882
2020297373	2020297854	2020311542	2020313076
2020321806	2020322642	2020323037	2020323180

**Patents Granted**

**Standard Patents**

2020343837	2020346033	2020351324	2020354334
2020356055	2020358073	2020358453	2020364112
2020364771	2020365097	2020367564	2020374892
2020379142	2020387088	2020387982	2020388552
2020390925	2020393340	2020397182	2020397271
2020403028	2020403637	2020404556	2020408344
2020409017	2020418894	2020423009	2020424575
2020424993	2020426771	2020430725	2020431090
2020436860	2021200391	2021202347	2021202401
2021202538	2021202680	2021202761	2021202860
2021203202	2021203208	2021203272	2021203346
2021203481	2021203660	2021203775	2021203796
2021203861	2021203979	2021204275	2021204353
2021204450	2021204560	2021204649	2021204720
2021204770	2021205072	2021207652	2021208710
2021209314	2021211356	2021211435	2021212088
2021212151	2021215118	2021215849	2021218006
2021218227	2021225161	2021225162	2021225192
2021225232	2021225243	2021229156	2021229179
2021230331	2021231850	2021236494	2021236516
2021240144	2021240257	2021249202	2021257908
2021257975	2021261840	2021262851	2021266207
2021266347	2021266348	2021269276	2021269436
2021270749	2021273534	2021277686	2021285824
2021290242	2021292346	2021329457	2021372955
2022200171	2022200248	2022200898	2022201337
2022201921	2022201968	2022202099	2022202151
2022202156	2022202210	2022202414	2022202946
2022203321	2022203358	2022203368	2022203590
2022203867	2022204085	2022204446	2022204466
2022204483	2022204661	2022205151	2022221426
2022221427	2022221541	2022225469	2022228101
2022252774	2022256138	2022263476	2022331907
2022402959	2023201773	2023202641	2023203502
2023203631	2023203633		

**Innovation Patents**

2018102252 2023100092

**Assignments Registered**

2004203836 General Electric Company The patent has been assigned to **General Electric Renovables España, S.L.**

2004208656 General Electric Company The patent has been assigned to **General Electric Renovables España, S.L.**

2004216603 General Electric Company The patent has been assigned to **General Electric Renovables España, S.L.**

2004259426 General Electric Company The patent has been assigned to **General Electric Renovables España, S.L.**

2004273539 Airrat Pty Ltd The patent has been assigned to **Ultra Aquatic Technology Pty Ltd**

2004285129 General Electric Company The patent has been assigned to **General Electric Renovables España, S.L.**

2004312957 General Electric Company The patent has been assigned to **General Electric Renovables España, S.L.**

2006200782 General Electric Company The patent has been assigned to **General Electric Renovables España, S.L.**

2006203289 General Electric Company The patent has been assigned to **General Electric Renovables España, S.L.**

2006203521 General Electric Company The patent has been assigned to **General Electric Renovables España, S.L.**

**Assignments Registered**

2006230719 General Electric Company The patent has been assigned to **General Electric Renovables España, S.L.**

2006233205 General Electric Company The patent has been assigned to **General Electric Renovables España, S.L.**

2006233228 General Electric Company The patent has been assigned to **General Electric Renovables España, S.L.**

2006307692 Cantel (UK) Limited The patent has been assigned to **STERIS Solutions Limited**

2007201890 General Electric Company The patent has been assigned to **General Electric Renovables España, S.L.**

2007354897 Novaphos Inc. The patent has been assigned to **Novaphos Phosphate Technology LLC**

2008258193 General Electric Company The patent has been assigned to **General Electric Renovables España, S.L.**

2008261305 CIMA S.p.A. di RAZZABONI & C. The patent has been assigned to **CIMA S.p.A.**

2008268985 Metso Minerals Industries, Inc. The patent has been assigned to **Metso Outotec Finland Oy**

2008363197 Cantel (UK) Limited The patent has been assigned to **STERIS Solutions Limited**

2009200512 General Electric Company The patent has been assigned to **General Electric Renovables España, S.L.**

2009228093 Hale Biopharma Ventures, LLC The patent has been assigned to **NEURELIS, INC.**

2009265252 Metso Brasil Industria E Comercio LTDA The patent has been assigned to **Metso Outotec USA Inc.**

2010206043 General Electric Company The patent has been assigned to **General Electric Renovables España, S.L.**

2010225479 METSO BRASIL INDUSTRIA E COMERCIO LTDA The patent has been assigned to **Metso Outotec USA Inc.**

2010240706 BAE Systems plc The patent has been assigned to **Snap Inc.**

2010240707 BAE Systems plc The patent has been assigned to **Snap Inc.**

2010243329 BAE Systems Plc The patent has been assigned to **Snap Inc.**

2011202989 General Electric Company The patent has been assigned to **General Electric Renovables España, S.L.**

2011216217 Darling, Matthew The patent has been assigned to **Humanetix IP Pty Ltd**

2011253836 General Electric Company The patent has been assigned to **General Electric Renovables España, S.L.**

2011268611 Metso Brasil Industria e Comercio Ltda The patent has been assigned to **Metso Outotec USA Inc.**

2011274299 MAX & WILS PTY. LTD. The patent has been assigned to **MASTERFORM SYSTEMS PTY LTD**

2011303655 Cantel (UK) Limited The patent has been assigned to **STERIS Solutions Limited**

**Assignments Registered**

2011322288 Cantel (UK) Limited The patent has been assigned to **STERIS Solutions Limited**

2011333544 Cantel (UK) Limited The patent has been assigned to **STERIS Solutions Limited**

2012243432 MAX & WILS PTY. LTD. The patent has been assigned to **MASTERFORM SYSTEMS PTY LTD**

2012296730 BAE Systems plc The patent has been assigned to **Snap Inc.**

2012320305 BAE Systems PLC The patent has been assigned to **Snap Inc.**

2012385428 General Electric Company The patent has been assigned to **General Electric Renovables España, S.L.**

2013209323 General Electric Company The patent has been assigned to **General Electric Renovables España, S.L.**

2013211558 General Electric Company The patent has been assigned to **General Electric Renovables España, S.L.**

2013214831 ION Geophysical Corporation The patent has been assigned to **TGS-NOPEC Geophysical Company**

2013285227 Xtreme Well Technology Limited The patent has been assigned to **SCHLUMBERGER TECHNOLOGY CORPORATION; SCHLUMBERGER CANADA LIMITED; SERVICES PETROLIERS SCHLUMBERGER; Schlumberger Technology B.V.**

2013322405 Cantel (UK) Limited The patent has been assigned to **STERIS Solutions Limited**

2014200423 General Electric Company The patent has been assigned to **General Electric Renovables España, S.L.**

2014213545 MAX & WILS PTY. LTD. The patent has been assigned to **MASTERFORM SYSTEMS PTY LTD**

2014240183 MAX & WILS PTY. LTD. The patent has been assigned to **MASTERFORM SYSTEMS PTY LTD**

2014261187 Cantel (UK) Limited The patent has been assigned to **STERIS Solutions Limited**

2015233160 Xtreme Well Technology Limited The patent has been assigned to **SCHLUMBERGER TECHNOLOGY CORPORATION; SCHLUMBERGER CANADA LIMITED; SERVICES PETROLIERS SCHLUMBERGER; Schlumberger Technology B.V.**

2016207841 Xtreme Well Technology Limited The patent has been assigned to **SCHLUMBERGER TECHNOLOGY CORPORATION; SCHLUMBERGER CANADA LIMITED; SERVICES PETROLIERS SCHLUMBERGER; Schlumberger Technology B.V.**

2016256678 MAX & WILS PTY. LTD. The patent has been assigned to **MASTERFORM SYSTEMS PTY LTD**

2016256735 Darling, Matthew The patent has been assigned to **Humanetix IP Pty Ltd**

2016274633 Lymphact - Lymphocyte Activation Technologies S. A. The patent has been assigned to **GammaDelta Therapeutics Ltd**

2016310629 Metso Minerals Industries, Inc. The patent has been assigned to **Metso Outotec USA Inc.**

2016310631 Metso Minerals Industries, Inc. The patent has been assigned to **Metso Outotec USA Inc.**

**Assignments Registered**

2016311326 Sequent Software, Inc. The patent has been assigned to **TIS INC.**

2016311449 Equinox Ophthalmic, Inc. The patent has been assigned to **Balance Ophthalmics, Inc.**

2016370774 Metso Minerals Industries, Inc. The patent has been assigned to **Metso Outotec Sweden Ab**

2016376007 Peak Well Systems Pty Ltd; Peak Well Systems Limited The patent has been assigned to **SCHLUMBERGER TECHNOLOGY CORPORATION; SCHLUMBERGER CANADA LIMITED; SERVICES PETROLIERS SCHLUMBERGER; Schlumberger Technology B.V.**

2016376008 Peak Well Systems Pty Ltd; Peak Well Systems Limited The patent has been assigned to **SCHLUMBERGER TECHNOLOGY CORPORATION; SCHLUMBERGER CANADA LIMITED; SERVICES PETROLIERS SCHLUMBERGER; Schlumberger Technology B.V.**

2016376009 Peak Well Systems Pty Ltd; Peak Well Systems Limited The patent has been assigned to **SCHLUMBERGER TECHNOLOGY CORPORATION; SCHLUMBERGER CANADA LIMITED; SERVICES PETROLIERS SCHLUMBERGER; Schlumberger Technology B.V.**

2016377658 Takeda Pharmaceutical Company Limited The patent has been assigned to **Endosome Therapeutics, Inc.**

2017201646 General Electric Company The patent has been assigned to **General Electric Renovables España, S.L.**

2017213504 Xtreme Well Technology Limited The patent has been assigned to **SCHLUMBERGER TECHNOLOGY CORPORATION; SCHLUMBERGER CANADA LIMITED; SERVICES PETROLIERS SCHLUMBERGER; Schlumberger Technology B.V.**

2017229507 Equinox Ophthalmic, Inc. The patent has been assigned to **Balance Ophthalmics, Inc.**

2017269206 General Electric Company The patent has been assigned to **General Electric Renovables España, S.L.**

2017270802 BAE Systems plc The patent has been assigned to **Snap Inc.**

2017270803 BAE Systems plc The patent has been assigned to **Snap Inc.**

2017273118 BAE Systems plc The patent has been assigned to **Snap Inc.**

2017359574 Peak Well Systems Pty Ltd; Peak Well Systems Limited The patent has been assigned to **SCHLUMBERGER TECHNOLOGY CORPORATION; SCHLUMBERGER CANADA LIMITED; SERVICES PETROLIERS SCHLUMBERGER; Schlumberger Technology B.V.**

2017387079 GoFire, Inc. The patent has been assigned to **Kaival Labs, Inc.**

2018256646 Xtreme Well Technology Limited The patent has been assigned to **SCHLUMBERGER TECHNOLOGY CORPORATION; SCHLUMBERGER CANADA LIMITED; SERVICES PETROLIERS SCHLUMBERGER; Schlumberger Technology B.V.**

2018290317 Metso Minerals Industries, Inc. The patent has been assigned to **Metso Outotec Sweden Ab**

2019202196 Equinox Ophthalmic, Inc. The patent has been assigned to **Balance Ophthalmics, Inc.**

**Assignments Registered**

2019229459 MAX & WILS PTY. LTD. The patent has been assigned to **MASTERFORM SYSTEMS PTY LTD**

2019319942 Equinox Ophthalmic, Inc. The patent has been assigned to **Balance Ophthalmics, Inc.**

2020202299 Equinox Ophthalmic, Inc. The patent has been assigned to **Balance Ophthalmics, Inc.**

2020229117 Mitsubishi Heavy Industries Engineering, Ltd.; Mitsubishi Power, Ltd. The patent has been assigned to **Mitsubishi Power, Ltd.; Mitsubishi Heavy Industries, Ltd.**

2020286245 Equinox Ophthalmic, Inc. The patent has been assigned to **Balance Ophthalmics, Inc.**

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Applications Filed**

The following application(s) for Extension of Term under Section 70 have been made and are open for public inspection.

2015312430 **Lobsor Pharmaceuticals Aktiebolag**

The earliest first regulatory approval date provided by the patentee 01 Sep 2023

For the goods LECIGON levodopa

2020239682 **Lobsor Pharmaceuticals Aktiebolag**

The earliest first regulatory approval date provided by the patentee 01 Sep 2023

For the goods LECIGON levodopa

**Corrigenda**

In Vol 57 , No 45 , Page(s) 6616 under the heading **Assignments Registered** Under the name Mitsubishi Heavy Industries Engineering, Ltd.; Mitsubishi Heavy Industries, Ltd., Application No. 2020229117, under INID (71) correct the applicant to Mitsubishi Power, Ltd.; Mitsubishi Heavy Industries, Ltd..

**Specifications Republished**

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

- 2020248612 **Alteogen Inc.**
- 2021221853 **Illinois Tool Works Inc.**
- 2022252931 **PICTOR LIMITED; THE UNIVERSITY OF MELBOURNE**
- 2022253717 **VIXXOL CORPORATION; CHR. HANSEN A/S**
- 2022254784 **NATIONAL RESEARCH COUNCIL OF CANADA**
- 2022254960 **MERCK SHARP & DOHME LLC**
- 2022255504 **JANSSEN BIOTECH, INC.**
- 2022258335 **MODERNATX, INC.**
- 2022258463 **MODERNATX, INC.**
- 2022259871 **VISION TECH BIO PTY LTD**
- 2022261125 **UNIVERSITY OF ROCHESTER**
- 2022262088 **BAYLOR COLLEGE OF MEDICINE**
- 2022263376 **KING'S COLLEGE LONDON**
- 2022264032 **THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA**
- 2022267320 **SALK INSTITUTE FOR BIOLOGICAL STUDIES**
- 2022269053 **DEFENCE THERAPEUTICS INC.**
- 2022269610 **OYSTER POINT PHARMA, INC.**
- 2022270607 **NORTH CAROLINA STATE UNIVERSITY; THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL**
- 2022272620 **THE UNIVERSITY OF TOLEDO**



**Specifications Republished**

2022272659 DOMPE' FARMACEUTICI SPA  
2022273063 GENENTECH, INC.  
2022273065 TECHNION RESEARCH & DEVELOPMENT FOUNDATION LIMITED; BENEVIRA INC.  
2022273530 THE BROAD INSTITUTE, INC.; MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
2022274306 ASTRAZENECA AB  
2022275011 INSUSENSE APS  
2022275785 UNIQUE FRANCE; REGENXBIO INC.; INSERM (Institut National de la Santé et de la Recherche Médicale); CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; UNIVERSITÉ DE BORDEAUX; UNIVERSITÉ D'AIX-MARSEILLE  
2022277600 HUMMINGBIRD DIAGNOSTICS GMBH  
2022280051 FUJIFILM CELLULAR DYNAMICS, INC.; FUJIFILM HOLDINGS AMERICA CORPORATION  
2022280952 BEAM THERAPEUTICS INC.  
2022281543 PFIZER INC.  
2022282208 WAKE FOREST UNIVERSITY HEALTH SCIENCES  
2022283262 ASTELLAS GENE THERAPIES, INC.  
2022284770 ILLUMINA, INC.  
2022285893 ALBIREO AB  
2022286613 TELIX PHARMACEUTICALS (INNOVATIONS) PTY LTD  
2022290382 BAYER AKTIENGESELLSCHAFT  
2022304662 AMGEN INC.