



**Australian Government**

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**IP Australia**

**AUSTRALIAN OFFICIAL JOURNAL**

**OF**

**PATENTS**



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#### Innovation Patents Open to Public Inspection

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**20 June 2024**

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## *General Information*

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

*Editorial enquiries*

*Contact information*

*Freedom of Information ACT*

*Professional Standards Board*

*Sales*

*Requests for Information under Section 194 (c)*

*Country Codes*

*Trade Mark and Designs Hearing Sessions*

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

## GUIDE TO THE USE OF THIS JOURNAL

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

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

### **(i) FILING -**

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

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

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

### **(iii) ACCEPTANCE –**

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

### **(iv) OPPOSITION –**

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

### **(v) GRANTING –**

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

### **(vi) CERTIFICATION**

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

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

## How To Identify Information Using "INID" Numbers

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

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

(22) 12.10.91

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

## How Australian Patent Documents are Numbered

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

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

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

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

**See Examples:**

2011236254 and 2000023658 (Standard Complete)

2011158589 (Innovation Complete)

2011902365 (Provisional)

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

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

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

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

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

For each of the categories

(i) Provisional Applications Filed, (ii)

Complete Applications Filed, (iii)

Applications Open to Public Inspection

(iv) Applications Accepted, and (v)

Innovation Patent Certified.

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

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

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

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

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

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

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

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

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



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

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

The following Numerical Indices are available:

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

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

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

The indices to use are

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

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

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

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

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

#### (10) Document identification

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

#### (20) Document filing data

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

#### (30) Priority data

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

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

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

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

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

**(50) Technical Information**

(51) International Patent Classification

(52) Domestic or national classification

(54) Title of invention

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

(57) Abstract or claim

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

(60) Related by cognate(s).

(61) Related by addition(s).

(62) Related by division(s).

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

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

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

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

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

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

(86) PCT Application Number

(87) PCT Publication Number

**NOTE**

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

**AU-A** = Pre-examination

**AU-B** = Post-examination

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

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

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

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

AUSTRALIAN OFFICIAL JOURNAL OF PATENTS 20 June 2024

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

*Apple Inc. [2024] APO 23*

Patent Application: 2021200174

Title: Device, method, and graphical user interface for organizing and presenting a collection of media items

Patent Applicant: Apple Inc.

Delegate: Dr V. Z. Kolev

Decision Date: 12 June 2024

Hearing Date: Written submissions filed on 2 May 2023

Catchwords: **PATENTS** – sections 45 and 49 – hearing with respect to examiner’s objection – manner of manufacture – inventive step – electronic computing device with touch-sensitive surface (e.g., touch screen, touch pad) – multimedia item (e.g., image, video) management software running on the device – organising multimedia items in events and groups within hierarchy of granularity levels – different granularity levels corresponding to different timescales – presenting the organised multimedia items to users – user input via gestures (e.g., tap, pinch, depinch) on the touch-sensitive surface – logistical process – known devices – known user interface techniques – the claimed invention is not a manner of manufacture – no patentable subject matter described in the specification – inventive step not considered – application refused

Representation: Patent attorney for the applicant: FPA Patent Attorneys Pty Ltd

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 4 Jun 2024 .

(71) Akte Therapeutics Pty Ltd (21) 2024901692 (22) 05.06.2024 (54) Therapeutic targeting of PKD1 or PKD2	(71) Blastone Technology Pty Ltd (21) 2024901706 (22) 06.06.2024 (54) Nipple for Measuring Speed of a Stream of Abrasive Particles	(71) Gittings, D. (21) 2024901758 (22) 11.06.2024 (54) Quick-release Golf Sand Bottle
(71) Akte Therapeutics Pty Ltd (21) 2024901693 (22) 05.06.2024 (54) Therapeutic targeting of CFTR	(71) Bonorchis, A. (21) 2024901756 (22) 11.06.2024 (54) A Block and Methods of Forming A Wall	(71) Gomez, R. (21) 2024901750 (22) 11.06.2024 (54) PROCESSING OF A POTASSIUM/RARE EARTH ELEMENT ORE TO EXTRACT OXIDES
(71) Akte Therapeutics Pty Ltd (21) 2024901704 (22) 06.06.2024 (54) Therapeutic targeting of PKD1 or PKD2	(71) BRYAN, B.J. (21) 2024901727 (22) 07.06.2024 (54) A THIN SHEET MATERIAL DISPENSING CORE SYSTEM	(71) Gomez, R. (21) 2024901752 (22) 11.06.2024 (54) ADVANCED DRY HYDROGEN MEMBRANE FUEL CELL
(71) Akte Therapeutics Pty Ltd (21) 2024901707 (22) 06.06.2024 (54) Therapeutic targeting of CFTR	(71) Chemrite Technologies Pty Ltd (21) 2024901744 (22) 11.06.2024 (54) Pile Jacketing System	Haley, O. see Haley, G. (21) 2024901700
(71) ARDGARD IP HOLDING CO PTY LTD (21) 2024901736 (22) 10.06.2024 (54) A WINDOW ASSEMBLY AND METHODS OF USE THEREOF	(71) CORAY, D. (21) 2024901748 (22) 11.06.2024 (54) Improved Grinding Mill and Method	(71) Haley, G.; Haley, O. (21) 2024901700 (22) 06.06.2024 (54) Pest Control Device
(71) Autonomous Fire Systems (21) 2024901710 (22) 07.06.2024 (54) Computer-Implemented Method of Improved Fluid Jet Targeting	(71) Coremax Limited (21) 2024901697 (22) 06.06.2024 (54) IMPROVEMENTS IN AND RELATING TO CORE SAMPLE DRILLING	(71) HAMELIN, N.; Mitra, A. (21) 2024901738 (22) 10.06.2024 (54) UAV-Enabled Environmental Monitoring of Methane (CH4) Using LoRaWAN Sensors
(71) Bailey, S. (21) 2024901687 (22) 04.06.2024 (54) Systems and methods for image recognition	Douglas Pharmaceuticals Limited see Surman, P. (21) 2024901720	(71) HAMELIN, N.; Rahimi, R. (21) 2024901740 (22) 10.06.2024 (54) Cloud-Based Multimodal Advertising Analysis System with Respondent Emotion Tracking
Binnie, F. see Surman, P. (21) 2024901720	(71) Envision Sciences Pty Ltd (21) 2024901712 (22) 07.06.2024 (54) METHODS FOR DETECTING COLORECTAL CANCER AND THE PROGRESSION THEREOF	(71) Hydric Desalination Pty Ltd (21) 2024901688 (22) 05.06.2024 (54) Novel, robust and sustainable desalination of seawater
(71) Blackmagic Design Pty Ltd (21) 2024901723 (22) 07.06.2024 (54) Synchronisation of media files	(71) Gearon, M. (21) 2024901699 (22) 06.06.2024 (54) Wheeled hiking pole	(71) Illinois Tool Works Inc. (21) 2024901725 (22) 07.06.2024 (54) Reinforcing bar and indicator

Provisional Applications Filed - Name Index cont'd

<p>(71) KiwiFibre Innovations Limited (21) 2024901741 (22) 10.06.2024 (54) Assembly for use in fibre extraction equipment</p>	<p>(71) moore, i. (21) 2024901747 (22) 11.06.2024 (54) Modular Fitness Stand</p>	<p>(71) Safetech IP Pty Ltd (21) 2024901715 (22) 07.06.2024 (54) A self closing gate hinge</p>
<p>(71) Kode Biotech Limited (21) 2024901728 (22) 07.06.2024 (54) IMMUNOTHERAPY</p>	<p>(71) MULTIBUY PTY LTD (21) 2024901698 (22) 06.06.2024 (54) Seafood Defroster using atomised water spray</p>	<p>Shi, Z. see Surman, P. (21) 2024901720</p>
<p>(71) Likiardopoulos, S. (21) 2024901749 (22) 11.06.2024 (54) General Purpose Outlet (GPO) cutout template tool</p>	<p>(71) Nevell, D. (21) 2024901714 (22) 07.06.2024 (54) Anti-jam clip adaptor for stacking bucket</p>	<p>(71) Shotave Pty Ltd (21) 2024901689 (22) 05.06.2024 (54) Multi Forks &amp; Multi Fork Adaptors</p>
<p>(71) Lions Eye Institute Limited (21) 2024901739 (22) 10.06.2024 (54) METHOD OF IMAGING A LYMPHATIC CAPILLARY NETWORK AND ASSOCIATED METHODS OF USE</p>	<p>(71) NewSouth Innovations Pty Limited (21) 2024901724 (22) 07.06.2024 (54) Determining one or more characteristics of a PV array using photoluminescence imaging</p>	<p>(71) somerville, w. (21) 2024901705 (22) 06.06.2024 (54) pet deterrent from snakes and canetoads</p>
<p>(71) Living Oceans Pty Ltd (21) 2024901731 (22) 08.06.2024 (54) Modular Artificial Reef System for Enhanced Ecological Balance in Aquariums</p>	<p>(71) Nextract Pty Ltd (21) 2024901734 (22) 10.06.2024 (54) Carrier composition</p>	<p>(71) Sudicki, L. (21) 2024901743 (22) 11.06.2024 (54) Network Status Indicating Device</p>
<p>(71) LLSG Investments Pty Ltd (21) 2024901711 (22) 07.06.2024 (54) EMISSIONS CAPTURE APPARATUS &amp; METHOD</p>	<p>(71) Nilo Limited (21) 2024901695 (22) 05.06.2024 (54) BINDER COMPOSITIONS AND USE THEREOF</p>	<p>(71) Surman, P.; Shi, Z.; Binnie, F.; Ritchie, C.; Long, Y.; Douglas Pharmaceuticals Limited (21) 2024901720 (22) 07.06.2024 (54) PHARMACEUTICAL COMPOSITIONS AND METHODS</p>
<p>Long, Y. see Surman, P. (21) 2024901720</p>	<p>(71) PGG Wrightson Limited (21) 2024901737 (22) 10.06.2024 (54) Method and System for Monitoring Animals</p>	<p>(71) Systems IP Pty Ltd (21) 2024901722 (22) 07.06.2024 (54) An improved connector</p>
<p>(71) Loughlin, T. (21) 2024901733 (22) 09.06.2024 (54) IMPROVED AUTOMATED SWING BARRIER OPERATING DEVICE</p>	<p>(71) Phaslo Global Pty Ltd (21) 2024901694 (22) 05.06.2024 (54) SMART CONTAINER</p>	<p>(71) The University of Melbourne (21) 2024901726 (22) 07.06.2024 (54) Timber structural member, assembly, reinforcing member and method</p>
<p>(71) Magic Skate Goods (21) 2024901742 (22) 11.06.2024 (54) Toe Stop Housing Configuration for Polymer Roller Skate Plate</p>	<p>(71) Phillips, R. (21) 2024901709 (22) 06.06.2024 (54) MULTI PURPOSE RAKE ATTACHMENT FOR EXCAVATORS</p>	<p>(71) The University of Queensland (21) 2024901721 (22) 07.06.2024 (54) Communication protocol for an audio data signal</p>
<p>(71) Mahoney, M. (21) 2024901702 (22) 06.06.2024 (54) wire strainer</p>	<p>(71) PYC Therapeutics Limited (21) 2024901708 (22) 06.06.2024 (54) Improved compositions and methods for treatment of monogenic neurodevelopmental disorders 6</p>	<p>(71) The University of Western Australia (21) 2024901729 (22) 07.06.2024 (54) Floating Support</p>
<p>(71) MCBRIDE, J. (21) 2024901719 (22) 07.06.2024 (54) A WATER PUMP SYSTEM</p>	<p>Rahimi, R. see HAMELIN, N. (21) 2024901740</p>	<p>(71) Toth, I. (21) 2024901696 (22) 06.06.2024 (54) Compact and Cost-Effective Extended Motion Linear Actuator with Integrated Guide Function For Axis Motion</p>
<p>Mitra, A. see HAMELIN, N. (21) 2024901738</p>	<p>(71) resonAg Pty Ltd (21) 2024901690 (22) 05.06.2024 (54) Method and apparatus for measuring soil characteristics</p>	<p>(71) Trentam Pty Ltd (21) 2024901730 (22) 08.06.2024 (54) A CAPSULE CLOSURE DEVICE AND METHOD</p>
<p>Ritchie, C. see Surman, P. (21) 2024901720</p>		

## Provisional Applications Filed - Name Index cont'd

(71) Umcos Newcombe Pty Ltd  
(21) 2024901701 (22) 06.06.2024  
(54) Insect trap improvements

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(71) UON Pty Ltd  
(21) 2024901718 (22) 07.06.2024  
(54) Mine dewatering using remotely positioned renewable energy sources

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(71) van leeuwen, j.  
(21) 2024901735 (22) 10.06.2024  
(54) BUCKLE RELEASE CONTROL SYSTEM

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(71) VENTORA Group Pty Ltd  
(21) 2024901691 (22) 05.06.2024  
(54) A FENESTRATION ASSEMBLY

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(71) Versi Technologies Pty Ltd  
(21) 2024901713 (22) 07.06.2024  
(54) Marker Pole Light

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(71) Viglione, D.  
(21) 2024901716 (22) 07.06.2024  
(54) Roltex Pro

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(71) Wallis, N.  
(21) 2024901755 (22) 11.06.2024  
(54) Eye washing apparatus

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(71) WEIR CANADA INC.,  
(21) 2024901717 (22) 07.06.2024  
(54) CENTRIFUGAL SLURRY PUMP IMPELLER

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(71) Whalin, A.  
(21) 2024901746 (22) 11.06.2024  
(54) O- ring Removal/ Applicator

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(71) Williams, S.  
(21) 2024901745 (22) 11.06.2024  
(54) Device and method for removing Debris

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(71) Xero Limited  
(21) 2024901703 (22) 06.06.2024  
(54) Method, Program, Apparatus for handling user knowledge base queries

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(71) Zammit, R.  
(21) 2024901732 (22) 08.06.2024  
(54) window Reveal bracket

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2024901690	resonAg Pty Ltd		
2024901691	VENTORA Group Pty Ltd		
2024901692	Akte Therapeutics Pty Ltd		
2024901693	Akte Therapeutics Pty Ltd		
2024901694	Phaslo Global Pty Ltd		
2024901695	Nilo Limited		
2024901696	Toth, I.		
2024901697	Coremax Limited		
2024901698	MULTIBUY PTY LTD		
2024901699	Gearon, M.		
2024901700	Haley, G.; Haley, O.		
2024901701	Umcos Newcombe Pty Ltd		
2024901702	Mahoney, M.		
2024901703	Xero Limited		
2024901704	Akte Therapeutics Pty Ltd		
2024901705	somerville, w.		
2024901706	Blastone Technology Pty Ltd		
2024901707	Akte Therapeutics Pty Ltd		
2024901708	PYC Therapeutics Limited		
2024901709	Phillips, R.		
2024901710	Autonomous Fire Systems		
2024901711	LLSG Investments Pty Ltd		
2024901712	Envision Sciences Pty Ltd		
2024901713	Versi Technologies Pty Ltd		
2024901714	Nevell, D.		
2024901715	Safetech IP Pty Ltd		
2024901716	Viglione, D.		
2024901717	WEIR CANADA INC.,		
2024901718	UON Pty Ltd		
2024901719	MCBRIDE, J.		
2024901720	Surman, P.; Shi, Z.; Binnie, F.; Ritchie, C.; Long, Y.; Douglas Pharmaceuticals Limited		
2024901721	The University of Queensland		
2024901722	Systems IP Pty Ltd		
2024901723	Blackmagic Design Pty Ltd		
2024901724	NewSouth Innovations Pty Limited		
2024901725	Illinois Tool Works Inc.		
2024901726	The University of Melbourne		
2024901727	BRYAN, B.J.		
2024901728	Kode Biotech Limited		
2024901729	The University of Western Australia		
2024901730	Trentam Pty Ltd		
2024901731	Living Oceans Pty Ltd		
2024901732	Zammit, R.		
2024901733	Loughlin, T.		
2024901734	Nextract Pty Ltd		
2024901735	van leeuwen, j.		
2024901736	ARDGARD IP HOLDING CO PTY LTD		
2024901737	PGG Wrightson Limited		
2024901738	HAMELIN, N.; Mitra, A.		
2024901739	Lions Eye Institute Limited		
2024901740	HAMELIN, N.; Rahimi, R.		
2024901741	KiwiFibre Innovations Limited		
2024901742	Magic Skate Goods		
2024901743	Sudicki, L.		
2024901744	Chemrite Technologies Pty Ltd		
2024901745	Williams, S.		
2024901746	Whalin, A.		
2024901747	moore, i.		
2024901748	CORAY, D.		
2024901749	Likiardopoulos, S.		
2024901750	Gomez, R.		
2024901752	Gomez, R.		
2024901755	Wallis, N.		
2024901756	Bonorchis, A.		

**Complete Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 4 Jun 2024 .

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

<hr/> <p>(71) 1045929 Ontario Limited (21) 2024203961 (22) 11.06.2024 (54) Sod harvester with roller conveyer</p> <hr/> <p>(71) 2724889 Ontario, Inc. (21) 2024203798 (22) 05.06.2024 (54) MODULAR FURNITURE SYSTEM</p> <hr/> <p>(71) ABUS August Bremicker Söhne KG (21) 2024203817 (22) 06.06.2024 (54) BOLT LOCK</p> <hr/> <p>(71) Accora Limited (21) 2024203819 (22) 06.06.2024 (54) ADJUSTABLE CHAIR ARM</p> <hr/> <p>(71) Adagene Inc. (21) 2024203885 (22) 07.06.2024 (54) ANTI-CTLA4 ANTIBODIES AND METHODS OF MAKING AND USING THE SAME</p> <hr/> <p>(71) Advanced Neuromodulation Systems, Inc. (21) 2024203911 (22) 07.06.2024 (54) Dorsal root ganglia surgical leads</p> <hr/> <p>(71) AdvanSix Resins &amp; Chemicals LLC (21) 2024203804 (22) 05.06.2024 (54) Branched amino acid surfactants for inks, paints, and adhesives</p> <hr/> <p>(71) AEON BioPharma, Inc. (21) 2024203802 (22) 05.06.2024 (54) NEUROTOXIN COMPOSITIONS FOR USE IN TREATING NEUROLOGIC AND PSYCHIATRIC DISORDERS</p> <hr/> <p>(71) AeroVironment, Inc. (21) 2024203914 (22) 07.06.2024 (54) Dynamic transmission control for a wireless network</p> <hr/> <p>(71) Alcon Inc. (21) 2024203942 (22) 11.06.2024 (54) INTRAOCULAR LENS DELIVERY SYSTEMS AND METHODS OF USE</p> <hr/>	<p>(71) Alkahest, Inc. (21) 2024203755 (22) 04.06.2024 (54) Methods and compositions for treating pruritus, xerosis, and associated disease using CCR3-inhibitors</p> <hr/> <p>(71) AMDT Holdings, Inc. (21) 2024203917 (22) 07.06.2024 (54) Methods and systems for determining adjustment prescriptions of external fixation devices</p> <hr/> <p>(71) Amryt Endo, Inc. (21) 2024203939 (22) 11.06.2024 (54) Method of treating diseases</p> <hr/> <p>(71) Ande Corporation (21) 2024203902 (22) 07.06.2024 (54) PATTERN RECOGNITION SYSTEM</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2024203783 (22) 05.06.2024 (54) SUBSTITUTE CURRENCY FOR GAMING, INSPECTION DEVICE, AND MANUFACTURING METHOD OF SUBSTITUTE CURRENCY FOR GAMING, AND MANAGEMENT SYSTEM FOR TABLE GAMES</p> <hr/> <p>(71) Anti-Viral Technologies, LLC (21) 2024203839 (22) 06.06.2024 (54) Methods and compositions for the antiviral use of synthetic lysine analogs and mimetics</p> <hr/> <p>(71) Apple Inc. (21) 2024203762 (22) 04.06.2024 (54) Devices, methods, and graphical user interfaces for displaying content of physical locations</p> <hr/> <p>(71) Apple Inc. (21) 2024203763 (22) 04.06.2024 (54) User interfaces for displaying, transmitting, and receiving communications during a communication session</p> <hr/> <p>(71) Apple Inc. (21) 2024203873 (22) 07.06.2024 (54) Wireless earbuds</p> <hr/>	<p>(71) Apple Inc. (21) 2024203944 (22) 11.06.2024 (54) Portable multifunction device with interface reconfiguration mode</p> <hr/> <p>(71) Applied Medical Resources Corporation (21) 2024203894 (22) 07.06.2024 (54) Camera navigation training system</p> <hr/> <p>(71) Ariad Pharmaceuticals, Inc. (21) 2024203831 (22) 06.06.2024 (54) Aminothiazole compounds as c-Kit inhibitors</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2024203864 (22) 06.06.2024 (54) COLLECTION MECHANIC AND PICK FEATURE SYSTEMS AND METHODS IN ELECTRONIC GAMING</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2024203865 (22) 06.06.2024 (54) GUI FOR GAME OF CHANCE WITH SKILL ELEMENT</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2024203866 (22) 06.06.2024 (54) GUI FOR SLOT MACHINE GAME WITH UPGRADEABLE FRENZY MODES</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2024203945 (22) 11.06.2024 (54) GAMING SYSTEMS AND METHODS HAVING PERSISTENT EXPANDABLE GAME TIERS ACROSS MULTIPLE GAME INSTANCES</p> <hr/> <p>(71) Aurigene Oncology Limited (21) 2024203943 (22) 11.06.2024 (54) Compounds and compositions for treating hematological disorders</p> <hr/> <p>(71) Australian Natural Capital (IP) Pty Ltd (21) 2024203830 (22) 06.06.2024 (54) A METHOD OF MEASURING SOIL</p> <hr/> <p>(71) Avava, Inc. (21) 2024203764 (22) 04.06.2024 (54) Feedback detection for a treatment device</p> <hr/>
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Complete Applications Filed - Name Index cont'd

(71) Avery Dennison Retail Information Services LLC  
 (21) 2024203931 (22) 10.06.2024  
 (54) Systems and methods for using RFID technology to identify products

(71) Aviana Molecular Technologies, LLC  
 (21) 2024203896 (22) 07.06.2024  
 (54) Bioactive Coating for Surface Acoustic Wave Sensor

(71) AZL Holdings Pty Ltd; Start Smart Investments Pty Ltd  
 (21) 2024203845 (22) 06.06.2024  
 (54) Edge protection system

(71) Beams Entreprise  
 (21) 2024203926 (22) 08.06.2024  
 (54) SYSTEMS FOR INTRAOPERATIVE COLLECTION AND ANALYSIS OF BIOLOGICAL TISSUE

(71) BioAtla LLC  
 (21) 2024203877 (22) 07.06.2024  
 (54) Conditionally active biological proteins

(71) Bioniz Therapeutics, Inc.  
 (21) 2024203941 (22) 11.06.2024  
 (54) STABLE MODULATORS OF GAMMA-C-CYTOKINE ACTIVITY

(71) BRISTOL-MYERS SQUIBB COMPANY  
 (21) 2024203938 (22) 11.06.2024  
 (54) CANCER IMMUNOTHERAPY BY DISRUPTING PD-1/PD-L1 SIGNALING

(71) Bruin Biometrics, LLC  
 (21) 2024203841 (22) 06.06.2024  
 (54) Strategic treatment of pressure ulcer using sub-epidermal moisture values

(71) Canon Kabushiki Kaisha  
 (21) 2024203901 (22) 07.06.2024  
 (54) Method, apparatus and system for encoding and decoding tensors

(71) Caterpillar Inc.  
 (21) 2024203794 (22) 05.06.2024  
 (54) Retainer sleeve design with external ribs or with an anti-rotational feature

(71) Changzhou Wellife Furnace Co., Ltd.  
 (21) 2024203808 (22) 05.06.2024  
 (54) FIRE PIT

(71) CHEP Technology Pty Limited  
 (21) 2024203910 (22) 07.06.2024  
 (54) Support module

**Chevron Australia Pty Ltd see Chevron U.S.A. Inc.**  
 (21) 2024203884

(71) Chevron U.S.A. Inc.; Chevron Australia Pty Ltd  
 (21) 2024203884 (22) 07.06.2024  
 (54) Remote evaluation of hydraulic valves

(71) CHINA HARBOUR ENGINEERING COMPANY LIMITED  
 (21) 2024203870 (22) 07.06.2024  
 (54) VACUUM DREDGING DEVICE AND DREDGING METHOD

(71) Christopher Vandecar  
 (21) 2024203881 (22) 07.06.2024  
 (54) Plant and animal extracts and related methods

(71) Cleveland Heartlab, Inc.  
 (21) 2024203887 (22) 07.06.2024  
 (54) HDL-associated protein biomarker panel detection

(71) Codagenix, Inc.; The USA, As Represented By The Secretary, Dept. Of Health And Human Services  
 (21) 2024203948 (22) 11.06.2024  
 (54) VACCINE CANDIDATES FOR HUMAN RESPIRATORY SYNCYTIAL VIRUS (RSV) HAVING ATTENUATED PHENOTYPES

(71) Cornell University; The Broad Institute, Inc.; New York Genome Center  
 (21) 2024203815 (22) 05.06.2024  
 (54) Systems and methods for detection of residual disease

(71) Current Lighting Solutions, LLC  
 (21) 2024203857 (22) 06.06.2024  
 (54) COLOR STABLE RED-EMITTING PHOSPHORS

(71) Davis, D.  
 (21) 2024203837 (22) 06.06.2024  
 (54) Cooking Device

(71) DePuy Synthes Products, Inc.  
 (21) 2024203918 (22) 07.06.2024  
 (54) Surgical torque limiting locking cap

(71) Dignity Health  
 (21) 2024203869 (22) 07.06.2024  
 (54) SYSTEMS AND METHODS FOR USING EYE MOVEMENTS TO DETERMINE TRAUMATIC BRAIN INJURY

(71) Dispensing Technologies B.V.  
 (21) 2024203922 (22) 07.06.2024  
 (54) Improved pre-forms for flair applications

**Dolby International AB see Dolby Laboratories Licensing Corporation**  
 (21) 2024203810

(71) Dolby Laboratories Licensing Corporation; Dolby International AB  
 (21) 2024203810 (22) 05.06.2024  
 (54) Methods and devices for generating or decoding a bitstream comprising immersive audio signals

(71) Dongguan Polyfilm Plastic Products Company Limited  
 (21) 2024203876 (22) 07.06.2024  
 (54) Improved systems and methods for above-ground pools

(71) Dunn, A.  
 (21) 2024203856 (22) 06.06.2024  
 (54) Outdoor Portable Cooking Device

(71) DUSA Pharmaceuticals, Inc.  
 (21) 2024203899 (22) 07.06.2024  
 (54) PHOTODYNAMIC THERAPY METHOD FOR SKIN DISORDERS

(71) Electrolux Appliances Aktiebolag  
 (21) 2024203912 (22) 07.06.2024  
 (54) METHOD FOR EXCHANGING INFORMATION BETWEEN A HOUSEHOLD APPLIANCE AND A MOBILE DEVICE

(71) Elmer's Welding & Manufacturing Ltd.  
 (21) 2024203756 (22) 04.06.2024  
 (54) GROUND PRESSURE CONTROL FOR AGRICULTURAL IMPLEMENT

(71) Elmer's Welding & Manufacturing Ltd.  
 (21) 2024203757 (22) 04.06.2024  
 (54) TOWED AGRICULTURAL IMPLEMENT WITH WINGED FRAME AND CONTROLLER TO ASSIST OPERATION OF THE IMPLEMENT

(71) Endocyte, Inc.  
 (21) 2024203858 (22) 06.06.2024  
 (54) Conjugates for treating diseases caused by PSMA expressing cells

(71) EQUIFAX, INC.; FIDELITY INFORMATION SERVICES, LLC  
 (21) 2024203796 (22) 05.06.2024  
 (54) CONFIRMING AUTHENTICITY OF A USER TO A THIRD-PARTY SYSTEM

Complete Applications Filed - Name Index cont'd

(71) EXCEL Industries (21) 2024203799 (22) 05.06.2024 (54) Spray nozzle for an agricultural device, spraying system with said nozzle, an agricultural device with said nozzle and a method for dispensing a liquid	osteoarthritis and related joint conditions in mammals	(71) Howard Hughes Medical Institute (21) 2024203888 (22) 07.06.2024 (54) MODIFIED LIGAND-GATED ION CHANNELS AND METHODS OF USE
(71) Eyepoint Pharmaceuticals, Inc (21) 2024203955 (22) 11.06.2024 (54) BIOERODIBLE DRUG DELIVERY DEVICES	<b>Georgia State University Research Foundation, Inc. see Proda Biotech LLC</b> (21) 2024203940	(71) Huawei Technologies Co., Ltd. (21) 2024203800 (22) 05.06.2024 (54) Data transmission method and apparatus
(71) Fairpoint Outdoors A/S (21) 2024203963 (22) 11.06.2024 (54) Fishing Camera	(71) Giant Flowers Australia; Malarowski, D. (21) 2024203968 (22) 11.06.2024 (54) METHOD OF UNLOADING CENTRIFUGAL WHEEL FROM AXIAL FORCES	(71) Huawei Technologies Co., Ltd. (21) 2024203821 (22) 06.06.2024 (54) RESOURCE UNIT COMBINATION INDICATION METHOD AND COMMUNICATIONS APPARATUS
<b>FIDELITY INFORMATION SERVICES, LLC see EQUIFAX, INC.</b> (21) 2024203796	<b>Gilead Sciences, Inc. see Novartis AG</b> (21) 2024203782	(71) Huawei Technologies Co., Ltd. (21) 2024203900 (22) 07.06.2024 (54) INFORMATION INDICATION METHOD AND COMMUNICATION APPARATUS
(71) Fisher & Paykel Healthcare Limited (21) 2024203930 (22) 10.06.2024 (54) RESPIRATORY MASK SYSTEM	(71) Gilead Sciences, Inc. (21) 2024203850 (22) 06.06.2024 (54) GLP-1R modulating compounds	(71) Hunan University of Science and Technology; Hunan Xiangchu Xianlu Environmental Protection Technology Co., Ltd. (21) 2024203868 (22) 06.06.2024 (54) Method of preparing alkali-activated cement by stepwise calcination with sodium chloride
(71) Fisher & Paykel Healthcare Limited (21) 2024203949 (22) 11.06.2024 (54) NASAL CANNULA	(71) Greyrock Technology, LLC (21) 2024203761 (22) 04.06.2024 (54) Micro-Scale Process For The Direct Production Of Liquid Fuels From Gaseous Hydrocarbon Resources	<b>Hunan Xiangchu Xianlu Environmental Protection Technology Co., Ltd. see Hunan University of Science and Technology</b> (21) 2024203868
(71) FISHER & PAYKEL HEALTHCARE LIMITED (21) 2024203844 (22) 06.06.2024 (54) GRAPHICAL USER INTERFACE FOR A FLOW THERAPY APPARATUS	(71) Haldor Topsøe A/S (21) 2024203811 (22) 05.06.2024 (54) Cooled axial flow converter	(71) Hydro-Tail LLC (21) 2024203836 (22) 06.06.2024 (54) Universal attachable water directing device for power tools
<b>Fondazione Centro San Raffaele see Ospedale San Raffaele S.r.l.</b> (21) 2024203874	(71) Halliburton Energy Services, Inc. (21) 2024203892 (22) 07.06.2024 (54) LIFTING ASSEMBLY MOUNTED ROTATOR AND PAYLOADS FOR BULK MATERIAL	(71) I Cook Catering Services Pty Ltd (21) 2024203915 (22) 07.06.2024 (54) A TEXTURE MODIFIED FOOD PRODUCT
(71) Foundry Therapeutics, Inc. (21) 2024203842 (22) 06.06.2024 (54) Implantable depots for the controlled release of therapeutic agents	(71) Hangzhou Laihe Biotech Co., Ltd. (21) 2024203820 (22) 06.06.2024 (54) DEVICE FOR TESTING ANALYTE IN LIQUID SAMPLE	(71) IGT (21) 2024203935 (22) 11.06.2024 (54) SYSTEM AND METHOD FOR PROVIDING A GAMING ESTABLISHMENT ACCOUNT PRE-APPROVED ACCESS TO FUNDS
(71) GEn1E Lifesciences Inc. (21) 2024203859 (22) 06.06.2024 (54) P38alpha mitogen-activated protein kinase inhibitors	(71) Hebei Qiqiang Metal Products Co., Ltd. (21) 2024203969 (22) 11.06.2024 (54) MIXING AND MINCING MACHINE	(71) IGT (21) 2024203936 (22) 11.06.2024 (54) SYSTEM AND METHOD FOR TRACKING FUNDS FROM A PLURALITY OF FUNDING SOURCES
(71) Gen-Probe Incorporated (21) 2024203855 (22) 06.06.2024 (54) Compositions and methods for detecting or quantifying Parainfluenza virus	(71) Hindustan Petroleum Corporation Limited (21) 2024203923 (22) 07.06.2024 (54) PVDF PLASTICIZER FOR ELECTRODE FABRICATION AND UNIVERSAL BATTERY APPLICATION THEREOF	
(71) Genzyme Corporation (21) 2024203920 (22) 07.06.2024 (54) Recombinant AAV vectors expressing osteoprotective genes, including HAS2 and lubricin, useful in the treatment of	(71) Hologic, Inc. (21) 2024203867 (22) 06.06.2024 (54) FINE TANK PRESSURE CONTROL USING THERMAL ENERGY FOR PREPARING CYTOLOGICAL SPECIMENS FROM PATIENT SAMPLES	

Complete Applications Filed - Name Index cont'd

(71) Illinois Tool Works Inc.  
(21) 2024203828 (22) 06.06.2024  
(54) Wall channelling machine

(71) Illinois Tool Works Inc.  
(21) 2024203906 (22) 07.06.2024  
(54) Groover

(71) Incyte Corporation  
(21) 2024203916 (22) 07.06.2024  
(54) AMINOPYRAZINE DIOL COM-  
POUNDS AS PI3K-y INHIBITORS

(71) Infrabuild Wire Pty Ltd  
(21) 2024203937 (22) 11.06.2024  
(54) Strainer

(71) Inno-Spin LLC  
(21) 2024203813 (22) 05.06.2024  
(54) ROLL-FORMING METHODS FOR  
MANUFACTURING ROLLER BEAR-  
ING SEAL CASE

**Inovio Pharmaceuticals, Inc. see The  
Trustees of the University of Pennsylvania**  
(21) 2024203766

(71) Intuit Inc.  
(21) 2024203846 (22) 06.06.2024  
(54) Confidence generation for managing a  
generative artificial intelligence model

(71) Intuit Inc.  
(21) 2024203851 (22) 06.06.2024  
(54) Tuning a generative artificial intelli-  
gence model

(71) Johnson & Johnson Consumer Inc.  
(21) 2024203897 (22) 07.06.2024  
(54) Coated particles and their uses

(71) Joy Global Underground Mining LLC  
(21) 2024203803 (22) 05.06.2024  
(54) Chain conveyor and link for same

(71) Kent Imaging  
(21) 2024203809 (22) 05.06.2024  
(54) HYBRID VISIBLE AND NEAR IN-  
FRARED IMAGING WITH AN RGB  
COLOR FILTER ARRAY SENSOR

(71) Lalor, P.  
(21) 2024203927 (22) 08.06.2024  
(54) Atmospheric Power Generator Cat-  
egory 9

(71) LG Electronics Inc.  
(21) 2024203823 (22) 06.06.2024

(54) HIGH LEVEL SYNTAX SIGNALING  
METHOD AND DEVICE FOR IM-  
AGE/VIDEO CODING

(71) LG Electronics Inc.  
(21) 2024203825 (22) 06.06.2024  
(54) FILTERING-BASED IMAGE CODING  
DEVICE AND METHOD

(71) LG Electronics Inc.  
(21) 2024203832 (22) 06.06.2024  
(54) PREDICTION WEIGHTED TA-  
BLE-BASED IMAGE/VIDEO CODING  
METHOD AND APPARATUS

(71) LG Electronics Inc.  
(21) 2024203834 (22) 06.06.2024  
(54) Transform-based image coding method  
and device for same

(71) LG Electronics Inc.  
(21) 2024203843 (22) 06.06.2024  
(54) ELECTRONIC DEVICE AND OPERAT-  
ING METHOD THEREOF

(71) LG Electronics Inc.  
(21) 2024203854 (22) 06.06.2024  
(54) Cleaner nozzle

(71) Lyndra Therapeutics, Inc.  
(21) 2024203792 (22) 05.06.2024  
(54) Encapsulation of gastric residence sys-  
tems

(71) MADARIAGA ELGUETA, G.  
(21) 2024203805 (22) 05.06.2024  
(54) A Knife Valve for Atmospheric Systems

(71) MAKO Surgical Corp.  
(21) 2024203871 (22) 07.06.2024  
(54) Systems and tools for positioning work-  
pieces with surgical robots

**Malarowski, D. see Giant Flowers Australia**  
(21) 2024203968

(71) Matortho Limited  
(21) 2024203758 (22) 04.06.2024  
(54) Improvements In Or Relating To  
Ceramic Femoral Resurfacing Head  
Prosthesis

(71) Mayo Foundation for Medical Education  
and Research  
(21) 2024203847 (22) 06.06.2024  
(54) METHODS AND MATERIALS FOR  
CULTURING, PROLIFERATING, AND  
DIFFERENTIATING STEM CELLS

(71) MedImmune Limited  
(21) 2024203898 (22) 07.06.2024  
(54) ANTI-B7-H1 ANTIBODIES FOR  
TREATING TUMORS

(71) Metix (Proprietary) Limited  
(21) 2024203950 (22) 11.06.2024  
(54) FURNACE WITH LEVEL DETECTION  
SYSTEM

(71) Minnetronix Neuro, Inc.  
(21) 2024203882 (22) 07.06.2024  
(54) Medical device for accessing the cen-  
tral nervous system

(71) Mirade Consultants Ltd  
(21) 2024203893 (22) 07.06.2024  
(54) METHOD AND APPARATUS FOR  
OFFSHORE CO2-BASED EOR

(71) Modular Mining Systems, Inc.  
(21) 2024203952 (22) 11.06.2024  
(54) VEHICLE SLIDE DETECTION

(71) MonoSol, LLC  
(21) 2024203829 (22) 06.06.2024  
(54) Unit dose article for packaging personal  
care products

(71) MyoKardia, Inc.  
(21) 2024203872 (22) 07.06.2024  
(54) Treatment of HCM with pyrimidinedione  
compounds

(71) Nemorin, J.  
(21) 2024203933 (22) 10.06.2024  
(54) Brillo disposable bin liners

**New York Genome Center see Cornell Uni-  
versity**  
(21) 2024203815

(71) Norton (Waterford) Limited  
(21) 2024203812 (22) 05.06.2024  
(54) Inhaler system

(71) NOVAPHOS GYPSUM TECHNOLOGY  
LLC  
(21) 2024203759 (22) 04.06.2024  
(54) Methods for forming silicates of calcium

(71) Novartis AG; Gilead Sciences, Inc.  
(21) 2024203782 (22) 05.06.2024  
(54) Antiviral pyrazolopyridinone compounds

(71) nthalmic holding pty ltd  
(21) 2024203826 (22) 06.06.2024  
(54) Ophthalmic lens designs with non-re-  
fractive features

Complete Applications Filed - Name Index cont'd

<p>(71) Nuo-Beta Pharmaceutical Technology (Shanghai) Co., Ltd. (21) 2024203890 (22) 07.06.2024 (54) Deuterated oxophenylarsine compound and use thereof</p>	<p>(71) Pratt Corrugated Holdings, Inc. (21) 2024203863 (22) 06.06.2024 (54) INSULATING BAG</p>	<p>(71) Ruby, K. (21) 2024203928 (22) 08.06.2024 (54) Cosmetic product Organic coconut, freeze dried manuka honey and freeze dried rose petal bath soak. All forms of bath soak containing coconut powder milk, freeze dried honey, aromatherapy oils and dried flowers and freeze dried flowers.</p>
<p>(71) Ocado Innovation Limited (21) 2024203925 (22) 07.06.2024 (54) Robotic parking device and handling method</p>	<p>(71) Pratt Retail Specialties, LLC (21) 2024203770 (22) 04.06.2024 (54) Modular Box Assembly</p>	<p>(71) S&amp;C Electric Company (21) 2024203771 (22) 05.06.2024 (54) Dropout recloser</p>
<p>(71) Offset Ventures, LLC (21) 2024203807 (22) 05.06.2024 (54) EXERCISE SYSTEM</p>	<p>(71) Proda Biotech LLC; Georgia State University Research Foundation, Inc. (21) 2024203940 (22) 11.06.2024 (54) Integrin-targeting protein and methods of use thereof</p>	<p>(71) Saban Ventures Pty Limited (21) 2024203840 (22) 06.06.2024 (54) Suspension cleaning</p>
<p>(71) Optos PLC (21) 2024203921 (22) 07.06.2024 (54) An ophthalmic imaging system and method for suppressing an imaging artefact in an ophthalmic image</p>	<p>(71) Prometheus Surgical Limited (21) 2024203913 (22) 07.06.2024 (54) BONE GRAFT PRODUCTION APPARATUS</p>	<p>(71) Safran Cabin Catering B.V. (21) 2024203880 (22) 07.06.2024 (54) Smart service trolley and trolley support system</p>
<p>(71) Ospedale San Raffaele S.r.l.; Fondazione Centro San Raffaele (21) 2024203874 (22) 07.06.2024 (54) TCR and peptides</p>	<p>(71) Radiance Therapeutics, Inc. (21) 2024203795 (22) 05.06.2024 (54) Methods, systems, and compositions for maintaining functioning drainage blebs associated with foreign bodies</p>	<p>(71) Sagemcom Energy &amp; Telecom SAS (21) 2024203878 (22) 07.06.2024 (54) Fluid meter detecting and distinguishing a leak and an offset problem</p>
<p>(71) Otsuka Pharmaceutical Co., Ltd. (21) 2024203760 (22) 04.06.2024 (54) Heterocyclic compound</p>	<p>(71) Recurium IP Holdings, LLC (21) 2024203833 (22) 06.06.2024 (54) BENZAMIDE COMPOUNDS</p>	<p>(71) SAGEMCOM ENERGY &amp; TELECOM SAS (21) 2024203953 (22) 11.06.2024 (54) METHOD FOR APPLYING CORRECTION TO SMART-METER INSTRUCTIONS</p>
<p>(71) PLUG POWER INC. (21) 2024203838 (22) 06.06.2024 (54) INSULATING DATUM INSERT</p>	<p>(71) Redmayne, J.M. (21) 2024203889 (22) 07.06.2024 (54) A Trap or Dispensing Device</p>	<p><b>Sanofi Biotechnology see Regeneron Pharmaceuticals, Inc.</b> (21) 2024203849</p>
<p>(71) Polyplastic Groep B.V. (21) 2024203946 (22) 11.06.2024 (54) MOBILE ACCOMODATION, CASING FRAME AND FASTENING CLIP</p>	<p>(71) REECOIL PTY. LTD (21) 2024203947 (22) 11.06.2024 (54) Emergency first aid kit</p>	<p><b>Sanofi Biotechnology see Regeneron Pharmaceuticals, Inc.</b> (21) 2024203951</p>
<p>(71) Pratt Corrugated Holdings, Inc. (21) 2024203816 (22) 05.06.2024 (54) MEAL KIT ASSEMBLY</p>	<p>(71) Regeneron Pharmaceuticals, Inc.; Sanofi Biotechnology (21) 2024203849 (22) 06.06.2024 (54) Methods for treating or preventing asthma by administering an IL-4R antagonist</p>	<p>(71) Schlage Lock Company LLC (21) 2024203879 (22) 07.06.2024 (54) Sensing and control of access control devices</p>
<p>(71) Pratt Corrugated Holdings, Inc. (21) 2024203860 (22) 06.06.2024 (54) MEAL KIT ASSEMBLY</p>	<p>(71) Regeneron Pharmaceuticals, Inc. (21) 2024203908 (22) 07.06.2024 (54) AUTO-INJECTOR WITH ANTI-ROLL FEATURES</p>	<p>(71) SharkNinja Operating LLC (21) 2024203891 (22) 07.06.2024 (54) COOKING DEVICE AND COMPONENTS THEREOF</p>
<p>(71) Pratt Corrugated Holdings, Inc. (21) 2024203861 (22) 06.06.2024 (54) TRAY AND METHOD THEREFOR</p>	<p>(71) Regeneron Pharmaceuticals, Inc.; Sanofi Biotechnology (21) 2024203951 (22) 11.06.2024 (54) Methods for treating severe atopic dermatitis by administering an IL-4R inhibitor</p>	<p>(71) Shenzhen Ulike Smart Electronics Co., Ltd. (21) 2024203966 (22) 11.06.2024 (54) SKIN TREATMENT APPARATUS</p>
<p>(71) Pratt Corrugated Holdings, Inc. (21) 2024203862 (22) 06.06.2024 (54) COLLAPSIBLE TRAY AND METHODS THEREFOR</p>	<p><b>Reiter, G. see Ward, J.</b> (21) 2024203835</p>	<p>(71) Spark, I. (21) 2024203929 (22) 09.06.2024</p>

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(54) Improved off-road vehicle

**Start Smart Investments Pty Ltd see AZL Holdings Pty Ltd**  
(21) 2024203845

(71) STM Management Pty Ltd  
(21) 2024203904 (22) 07.06.2024  
(54) A CASE FOR A TABLET SHAPED DEVICE

(71) Sungrow Power Supply Co., Ltd.  
(21) 2024203806 (22) 05.06.2024  
(54) Case and cell module having the same

(71) Tagworks Pharmaceuticals B.V.  
(21) 2024203793 (22) 05.06.2024  
(54) Compounds comprising a linker for increasing transcyclooctene stability

(71) Teleflex Life Sciences II LLC  
(21) 2024203824 (22) 06.06.2024  
(54) INTRAOSSEOUS ACCESS DEVICE AND METHOD TO ACCESS BONE MARROW

(71) Telefonaktiebolaget LM Ericsson (Publ)  
(21) 2024203797 (22) 05.06.2024  
(54) SYSTEMS AND METHODS FOR TCI STATE ACTIVATION AND CODE-POINT TO TCI STATE MAPPING

(71) The Board of Trustees of the Leland Stanford Junior University  
(21) 2024203919 (22) 07.06.2024  
(54) Methods of treating T cell exhaustion by inhibiting or modulating T cell receptor signaling

**The Broad Institute, Inc. see Cornell University**  
(21) 2024203815

(71) The Broad Institute, Inc.  
(21) 2024203909 (22) 07.06.2024  
(54) FORMULATIONS FOR NEOPLASIA VACCINES

(71) The Regents of the University of Michigan  
(21) 2024203907 (22) 07.06.2024  
(54) INDIVIDUAL AND COHORT PHARMACOLOGICAL PHENOTYPE PREDICTION PLATFORM

(71) The Trustees of the University of Pennsylvania; The Wistar Institute of Anatomy and Biology; Inovio Pharmaceuticals, Inc.  
(21) 2024203766 (22) 04.06.2024

(54) DNA antibody constructs for use against Pseudomonas aeruginosa

(71) The University of Queensland  
(21) 2024203886 (22) 07.06.2024  
(54) Detection Method

**The USA, As Represented By The Secretary, Dept. Of Health And Human Services see Codagenix, Inc.**  
(21) 2024203948

**The Wistar Institute of Anatomy and Biology see The Trustees of the University of Pennsylvania**  
(21) 2024203766

(71) TNBT Holdings Pty Limited  
(21) 2024203853 (22) 06.06.2024  
(54) An Apparatus and/or A Bracing Device for Maintaining A Door In A Desired Position

(71) Torque Fitness, LLC  
(21) 2024203924 (22) 07.06.2024  
(54) WEIGHT TRAINING SLED

(71) UNDERBRANDS PTY LTD  
(21) 2024203934 (22) 10.06.2024  
(54) Adaptive Underwear with a Waist Belt Mechanism

(71) United States Gypsum Company  
(21) 2024203818 (22) 06.06.2024  
(54) Gypsum composition comprising uncooked starch having mid-range viscosity, and methods and products related thereto

**University of Rhode Island Board of Trustees see YALE UNIVERSITY**  
(21) 2024203827

(71) University of Washington through its Center for Commercialization  
(21) 2024203814 (22) 05.06.2024  
(54) Compositions and methods for improving nanopore sequencing

(71) UTECTURE GLOBAL LIMITED  
(21) 2024203903 (22) 07.06.2024  
(54) Method, system and graphical user interface for building design

(71) VIBE DYNAMICS PTY LTD  
(21) 2024203883 (22) 07.06.2024  
(54) NON-INVASIVE STIMULATION APPARATUS AND METHOD FOR REHABILITATION AND TREATMENT OF SEXUAL DYSFUNCTIONS

(71) VIDEO GAMING TECHNOLOGIES, INC.  
(21) 2024203895 (22) 07.06.2024  
(54) Gaming machine with a curved display

(71) Virbac (Australia) Pty Limited  
(21) 2024203875 (22) 07.06.2024  
(54) Composition

(71) VQ, INC.  
(21) 2024203954 (22) 11.06.2024  
(54) VACUUM HOLSTER

(71) Ward, J.; Reiter, G.  
(21) 2024203835 (22) 06.06.2024  
(54) Integrated water capture and electrolysis

(71) Wayne State University  
(21) 2024203852 (22) 06.06.2024  
(54) METHOD OF ENHANCING VIRAL-MEDIATED GENE DELIVERY IN THE EYE USING PROTEOSOME INHIBITORS

(71) Weber-Stephen Products LLC  
(21) 2024203932 (22) 10.06.2024  
(54) Adjustable Warming Racks For Cook-boxes Of Grills

(71) Whirlpool Corporation  
(21) 2024203848 (22) 06.06.2024  
(54) Mixing appliance and method of operating

(71) XWpharma Ltd.  
(21) 2024203801 (22) 05.06.2024  
(54) Controlled release granulations of water-soluble active pharmaceutical ingredients

(71) YALE UNIVERSITY; University of Rhode Island Board of Trustees  
(21) 2024203827 (22) 06.06.2024  
(54) Fluorescent compound comprising a fluorophore conjugated to a pH-triggered polypeptide

(71) ZECO Australian Energy Solutions Pty Ltd  
(21) 2024203905 (22) 07.06.2024  
(54) Power Distribution System

(71) Zhejiang Orient Gene Biotech Co., Ltd  
(21) 2024203822 (22) 06.06.2024  
(54) DEVICE FOR TESTING ANALYTE IN LIQUID SAMPLE

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<b>2024203757</b>	Elmer's Welding & Manufacturing Ltd.	<b>2024203840</b>	Saban Ventures Pty Limited
<b>2024203758</b>	Matortho Limited	<b>2024203841</b>	Bruin Biometrics, LLC
<b>2024203759</b>	NOVAPHOS GYPSUM TECHNOLOGY LLC	<b>2024203842</b>	Foundry Therapeutics, Inc.
<b>2024203760</b>	Otsuka Pharmaceutical Co., Ltd.	<b>2024203843</b>	LG Electronics Inc.
<b>2024203761</b>	Greyrock Technology, LLC	<b>2024203844</b>	FISHER & PAYKEL HEALTHCARE LIMITED
<b>2024203762</b>	Apple Inc.	<b>2024203845</b>	AZL Holdings Pty Ltd; Start Smart Investments Pty Ltd
<b>2024203763</b>	Apple Inc.	<b>2024203846</b>	Intuit Inc.
<b>2024203764</b>	Avava, Inc.	<b>2024203847</b>	Mayo Foundation for Medical Education and Research
<b>2024203766</b>	The Trustees of the University of Pennsylvania; The Wistar Institute of Anatomy and Biology; Inovio Pharmaceuticals, Inc.	<b>2024203848</b>	Whirlpool Corporation
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<b>2024203771</b>	S&C Electric Company	<b>2024203850</b>	Gilead Sciences, Inc.
<b>2024203782</b>	Novartis AG; Gilead Sciences, Inc.	<b>2024203851</b>	Intuit Inc.
<b>2024203783</b>	Angel Group Co., Ltd.	<b>2024203852</b>	Wayne State University
<b>2024203792</b>	Lyndra Therapeutics, Inc.	<b>2024203853</b>	TNBT Holdings Pty Limited
<b>2024203793</b>	Tagworks Pharmaceuticals B.V.	<b>2024203854</b>	LG Electronics Inc.
<b>2024203794</b>	Caterpillar Inc.	<b>2024203855</b>	Gen-Probe Incorporated
<b>2024203795</b>	Radiance Therapeutics, Inc.	<b>2024203856</b>	Dunn, A.
<b>2024203796</b>	EQUIFAX, INC.; FIDELITY INFORMATION SERVICES, LLC	<b>2024203857</b>	Current Lighting Solutions, LLC
<b>2024203797</b>	Telefonaktiebolaget LM Ericsson (Publ)	<b>2024203858</b>	Endocyte, Inc.
<b>2024203798</b>	2724889 Ontario, Inc.	<b>2024203859</b>	GEN1E Lifesciences Inc.
<b>2024203799</b>	EXCEL Industries	<b>2024203860</b>	Pratt Corrugated Holdings, Inc.
<b>2024203800</b>	Huawei Technologies Co., Ltd.	<b>2024203861</b>	Pratt Corrugated Holdings, Inc.
<b>2024203801</b>	XWpharma Ltd.	<b>2024203862</b>	Pratt Corrugated Holdings, Inc.
<b>2024203802</b>	AEON BioPharma, Inc.	<b>2024203863</b>	Pratt Corrugated Holdings, Inc.
<b>2024203803</b>	Joy Global Underground Mining LLC	<b>2024203864</b>	Aristocrat Technologies, Inc.
<b>2024203804</b>	AdvanSix Resins & Chemicals LLC	<b>2024203865</b>	Aristocrat Technologies, Inc.
<b>2024203805</b>	MADARIAGA ELGUETA, G.	<b>2024203866</b>	Aristocrat Technologies, Inc.
<b>2024203806</b>	Sungrow Power Supply Co., Ltd.	<b>2024203867</b>	Hologic, Inc.
<b>2024203807</b>	Offset Ventures, LLC	<b>2024203868</b>	Hunan University of Science and Technology; Hunan Xiangchu Xianlu Environmental Protection Technology Co., Ltd.
<b>2024203808</b>	Changzhou Wellife Furnace Co., Ltd.	<b>2024203869</b>	Dignity Health
<b>2024203809</b>	Kent Imaging	<b>2024203870</b>	CHINA HARBOUR ENGINEERING COMPANY LIMITED
<b>2024203810</b>	Dolby Laboratories Licensing Corporation; Dolby International AB	<b>2024203871</b>	MAKO Surgical Corp.
<b>2024203811</b>	Haldor Topsøe A/S	<b>2024203872</b>	MyoKardia, Inc.
<b>2024203812</b>	Norton (Waterford) Limited	<b>2024203873</b>	Apple Inc.
<b>2024203813</b>	Inno-Spin LLC	<b>2024203874</b>	Ospedale San Raffaele S.r.l.; Fondazione Centro San Raffaele
<b>2024203814</b>	University of Washington through its Center for Commercialization	<b>2024203875</b>	Virbac (Australia) Pty Limited
<b>2024203815</b>	Cornell University; The Broad Institute, Inc.; New York Genome Center	<b>2024203876</b>	Dongguan Polyfilm Plastic Products Company Limited
<b>2024203816</b>	Pratt Corrugated Holdings, Inc.	<b>2024203877</b>	BioAtla LLC
<b>2024203817</b>	ABUS August Bremicker Söhne KG	<b>2024203878</b>	Sagemcom Energy & Telecom SAS
<b>2024203818</b>	United States Gypsum Company	<b>2024203879</b>	Schlage Lock Company LLC
<b>2024203819</b>	Accora Limited	<b>2024203880</b>	Safran Cabin Catering B.V.
<b>2024203820</b>	Hangzhou Laihe Biotech Co., Ltd.	<b>2024203881</b>	Christopher Vandecar
<b>2024203821</b>	Huawei Technologies Co., Ltd.	<b>2024203882</b>	Minnetronix Neuro, Inc.
<b>2024203822</b>	Zhejiang Orient Gene Biotech Co., Ltd	<b>2024203883</b>	VIBE DYNAMICS PTY LTD
<b>2024203823</b>	LG Electronics Inc.	<b>2024203884</b>	Chevron U.S.A. Inc.; Chevron Australia Pty Ltd
<b>2024203824</b>	Teleflex Life Sciences II LLC	<b>2024203885</b>	Adagene Inc.
<b>2024203825</b>	LG Electronics Inc.	<b>2024203886</b>	The University of Queensland
<b>2024203826</b>	nthalmic holding Pty Ltd	<b>2024203887</b>	Cleveland Heartlab, Inc.
<b>2024203827</b>	YALE UNIVERSITY; University of Rhode Island Board of Trustees	<b>2024203888</b>	Howard Hughes Medical Institute
<b>2024203828</b>	Illinois Tool Works Inc.	<b>2024203889</b>	Redmayne, J.M.
<b>2024203829</b>	MonoSol, LLC	<b>2024203890</b>	Nuo-Beta Pharmaceutical Technology (Shanghai) Co., Ltd.
<b>2024203830</b>	Australian Natural Capital (IP) Pty Ltd	<b>2024203891</b>	SharkNinja Operating LLC
<b>2024203831</b>	Ariad Pharmaceuticals, Inc.	<b>2024203892</b>	Halliburton Energy Services, Inc.
<b>2024203832</b>	LG Electronics Inc.	<b>2024203893</b>	Mirade Consultants Ltd
<b>2024203833</b>	Recurium IP Holdings, LLC	<b>2024203894</b>	Applied Medical Resources Corporation
<b>2024203834</b>	LG Electronics Inc.	<b>2024203895</b>	VIDEO GAMING TECHNOLOGIES, INC.
<b>2024203835</b>	Ward, J.; Reiter, G.	<b>2024203896</b>	Aviana Molecular Technologies, LLC
<b>2024203836</b>	Hydro-Tail LLC	<b>2024203897</b>	Johnson & Johnson Consumer Inc.
<b>2024203837</b>	Davis, D.	<b>2024203898</b>	MedImmune Limited
		<b>2024203899</b>	DUSA Pharmaceuticals, Inc.
		<b>2024203900</b>	Huawei Technologies Co., Ltd.

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2024203901 Canon Kabushiki Kaisha  
2024203902 Ande Corporation  
2024203903 UTECTURE GLOBAL LIMITED  
2024203904 STM Management Pty Ltd  
2024203905 ZECO Australian Energy Solutions Pty Ltd  
2024203906 Illinois Tool Works Inc.  
2024203907 The Regents of the University of Michigan  
2024203908 Regeneron Pharmaceuticals, Inc.  
2024203909 The Broad Institute, Inc.  
2024203910 CHEP Technology Pty Limited  
2024203911 Advanced Neuromodulation Systems, Inc.  
2024203912 Electrolux Appliances Aktiebolag  
2024203913 Prometheus Surgical Limited  
2024203914 AeroVironment, Inc.  
2024203915 I Cook Catering Services Pty Ltd  
2024203916 Incyte Corporation  
2024203917 AMDT Holdings, Inc.  
2024203918 DePuy Synthes Products, Inc.  
2024203919 The Board of Trustees of the Leland Stanford Junior University  
2024203920 Genzyme Corporation  
2024203921 Optos PLC  
2024203922 Dispensing Technologies B.V.  
2024203923 Hindustan Petroleum Corporation Limited  
2024203924 Torque Fitness, LLC  
2024203925 Ocado Innovation Limited  
2024203926 Beams Entreprise  
2024203927 Lalor, P.  
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2024203929 Spark, I.  
2024203930 Fisher & Paykel Healthcare Limited  
2024203931 Avery Dennison Retail Information Services LLC  
2024203932 Weber-Stephen Products LLC  
2024203933 Nemorin, J.  
2024203934 UNDERBRANDS PTY LTD  
2024203935 IGT  
2024203936 IGT  
2024203937 Infrabuild Wire Pty Ltd  
2024203938 BRISTOL-MYERS SQUIBB COMPANY  
2024203939 Amryt Endo, Inc.  
2024203940 Proda Biotech LLC; Georgia State University Research Foundation, Inc.  
2024203941 Bioniz Therapeutics, Inc.  
2024203942 Alcon Inc.  
2024203943 Aurigene Oncology Limited  
2024203944 Apple Inc.  
2024203945 Aristocrat Technologies, Inc.  
2024203946 Polyplastic Groep B.V.  
2024203947 REECOIL PTY. LTD  
2024203948 Codagenix, Inc.; The USA, As Represented By The Secretary, Dept. Of Health And Human Services  
2024203949 Fisher & Paykel Healthcare Limited  
2024203950 Metix (Proprietary) Limited  
2024203951 Regeneron Pharmaceuticals, Inc.; Sanofi Biotechnology  
2024203952 Modular Mining Systems, Inc.  
2024203953 SAGEMCOM ENERGY & TELECOM SAS  
2024203954 VQ, INC.  
2024203955 Eyepoint Pharmaceuticals, Inc  
2024203961 1045929 Ontario Limited  
2024203963 Fairpoint Outdoors A/S  
2024203966 Shenzhen Ulike Smart Electronics Co., Ltd.  
2024203968 Giant Flowers Australia; Malarowski, D.  
2024203969 Hebei Qiqiang Metal Products Co., Ltd.

**Applications Lapsed, Refused Or Withdrawn, Patents Ceased or Expired**

Reference to the application numbers must include the year of the application of the patent, which is shown preceding the numbers.  
The codes next to each number have the following meanings:

**Code Meaning**

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

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2008331602 ( 14 )	2008333606 ( 14 )	2008342339 ( 14 )

**2009**

2009240861 ( 14 )	2009240872 ( 14 )	2009240881 ( 14 )
2009316309 ( 14 )	2009317030 ( 14 )	2009318959 ( 14 )
2009319887 ( 14 )	2009326879 ( 14 )	2009331990 ( 14 )
2009355779 ( 14 )	2009355842 ( 14 )	2009355844 ( 14 )

**2010**

2010200434 ( 14 )	2010200451 ( 14 )	2010201351 ( 14 )
2010202131 ( 14 )	2010202861 ( 14 )	2010226869 ( 14 )
2010246468 ( 14 )	2010321783 ( 14 )	2010323101 ( 14 )
2010323117 ( 14 )	2010323965 ( 14 )	2010324115 ( 14 )
2010324491 ( 14 )	2010324720 ( 14 )	2010328531 ( 14 )
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**2011**

2011200165 ( 14 )	2011253697 ( 14 )	2011254018 ( 14 )
2011332007 ( 14 )	2011332014 ( 14 )	2011332020 ( 14 )
2011332896 ( 14 )	2011335081 ( 14 )	2011335133 ( 14 )
2011336019 ( 14 )	2011337461 ( 14 )	2011369050 ( 14 )
2011381567 ( 14 )	2011381683 ( 14 )	

**2012**

2012200101 ( 14 )	2012238329 ( 14 )	2012258368 ( 14 )
2012258418 ( 14 )	2012258419 ( 14 )	2012265575 ( 14 )
2012342355 ( 14 )	2012342495 ( 14 )	2012343336 ( 14 )
2012343668 ( 14 )	2012344041 ( 14 )	2012344261 ( 14 )
2012345456 ( 14 )	2012346104 ( 14 )	2012395160 ( 14 )

**2013**

2013203710 ( 14 )	2013263728 ( 14 )	2013263734 ( 14 )
2013263778 ( 14 )	2013347775 ( 14 )	2013349402 ( 14 )
2013351232 ( 14 )	2013351881 ( 14 )	2013351956 ( 14 )
2013352373 ( 14 )	2013352436 ( 14 )	2013352437 ( 14 )
2013352463 ( 14 )	2013356422 ( 14 )	2013356433 ( 14 )

**2014**

2014202491 ( 14 )	2014203006 ( 14 )	2014268145 ( 14 )
2014268194 ( 14 )	2014352672 ( 14 )	2014354570 ( 14 )
2014354631 ( 14 )	2014354949 ( 14 )	2014356444 ( 14 )
2014357460 ( 14 )	2014357521 ( 14 )	2014364324 ( 14 )
2014365915 ( 14 )		

**2015**

2015204349 ( 14 )	2015227499 ( 14 )	2015249039 ( 14 )
2015261547 ( 14 )	2015261693 ( 14 )	2015352482 ( 14 )
2015352545 ( 14 )	2015352605 ( 14 )	2015353497 ( 14 )
2015354844 ( 14 )	2015355309 ( 14 )	2015355369 ( 14 )
2015369539 ( 14 )	2015377503 ( 14 )	2015380336 ( 14 )
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**2016**

2016100746 (22) 2016100782 (22) 2016100793 (22)  
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**2017**

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**2018**

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**2019**

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**2020**

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 2020458145 (5C)

**2021**

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 2021286375 (4C) 2021390059 (5C)

**2022**

2022200087 (4C) 2022200170 (5C) 2022200433 (5C)  
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 2022301224 (5C)

**2023**

2023201977 (5CN) 2023202442 (5C) 2023202501 (5CN)  
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 2023903361 (12AN) 2023903991 (12AN)

**2024**

2024200171 ( 1B ) 2024200485 ( 1B ) 2024201804 ( 1B )  
2024203816 ( 12AN ) 2024900145 ( 12AN ) 2024900146 ( 12AN )

**Assignments before Grant, Section 113****2015**

2015407253 Olitek Pty Ltd The application has been assigned to **Dyno Nobel Asia Pacific Pty Ltd**

**2017**

2017207917 Boehringer Ingelheim Animal Health USA Inc.; Genzyme Corporation The application has been assigned to **Genzyme Corporation**

2017301819 Cornell University; Adverum Biotechnologies, Inc. The application has been assigned to **Cornell University**

**2019**

2019267458 Bellicum Pharmaceuticals, Inc. The application has been assigned to **Board of Regents of the University of Texas System**

**2020**

2020272591 Locus IP Company, LLC The application has been assigned to **Locus Solutions IPCo, LLC**

2020296961 Martin-Brower France Sas The application has been assigned to **The Martin-Bower Company, L.L.C.**

2020377093 Eccogene (Shanghai) Co., Ltd. The application has been assigned to **ECCOGENE INC.**

**2021**

2021208027 Eccogene (Shanghai) Co., Ltd. The application has been assigned to **ECCOGENE INC.**

2021229189 Bellicum Pharmaceuticals, Inc. The application has been assigned to **Board of Regents of the University of Texas System**

2021257933 WHITE, John The application has been assigned to **Thundaflo Limited**

2021453060 INGALFARMA SPA The application has been assigned to **True Node Sciences, Inc.**

**2022**

2022202361 Sorrento Therapeutics, Inc. The application has been assigned to **Vivator, Inc.**

2022203035 Groupon, Inc. The application has been assigned to **ByteDance Inc.**

2022204432 Yoda Pharmaceuticals Inc. The application has been assigned to **Yoda Therapeutics Inc.**

2022235613 WHITE, John The application has been assigned to **Thundaflo Limited**

**Assignments before Grant, Section 113**

2022255175 MAZE THERAPEUTICS, INC. The application has been assigned to **Trace NewCo, Inc.**

2022320553 YUNQUAN BIOTECHNOLOGY (BEIJING) CO., LTD. The application has been assigned to **Dracoterpin Biomedicine LLC**

2022376283 ECS BRANDS, LTD. The application has been assigned to **ECS Holdings L.L.C.**

**2023**

2023208149 Smart Medical Devices, Inc. The application has been assigned to **Quartus Engineering, Inc.**

2023270193 Bellicum Pharmaceuticals, Inc. The application has been assigned to **Board of Regents of the University of Texas System**

2023903698 De Silva, Kaluachchi; Lea, John; Erstich, Evan The application has been assigned to **GEO40 LIMITED**

**2024**

2024200986 Smart Medical Devices, Inc. The application has been assigned to **Quartus Engineering, Inc.**

2024900538 SELENO HEALTH LTD; Storkey, Corin The application has been assigned to **SELENO HEALTH LTD**

2024900720 Messenger Bio Pty Ltd The application has been assigned to **Zitra Medicines Pty Ltd**

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

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

**2014**

2014324092 **EpiAxis Therapeutics Pty Ltd** An application to extend the time from 18 Sep 2023 to 18 May 2024 in which to pay a renewal fee has been filed . Address for service - Davies Collison Cave Pty Ltd Level 10 301 Coronation Drive MILTON QLD 4064 AU

**2015**

2015309686 **EpiAxis Therapeutics Pty Ltd** An application to extend the time from 25 Aug 2023 to 25 Mar 2024 in which to pay a renewal fee has been filed . Address for service - Davies Collison Cave Pty Ltd Level 10 301 Coronation Drive MILTON QLD 4064 AU

**2019**

2019262086 **Camarena-Vazquez, G.** An application to extend the time from 30 Apr 2023 to 29 Feb 2024 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson Level 24, Tower 2 Darling Park, 201 Sussex Street Sydney NSW 2000 AU

**2020**

2020200780 **JAG Mayer Pty Ltd** An application to extend the time from 22 Oct 2023 to 22 May 2024 in which to pay a renewal fee has been

**Extensions of Time, Section 223**

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

**2021**

2021377897 **THERMOLIFE INTERNATIONAL, LLC** An application to extend the time from 12 Jun 2023 to 12 May 2024 in which to enter the National Phase has been filed . Address for service - SOUTHERN CROSS INTELLECTUAL PROPERTY PTY LTD PO Box 1001 Oxenford QLD 4210 AU

**2022**

2022211876 **Vayeron Pty Ltd** An application to extend the time from 21 Jan 2023 to 21 May 2024 in which to pay a continuation fee has been filed . Address for service - RADIAN GLOBAL PTY LTD 186 Cook Avenue Hillarys WA 6025 AU

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

**2006**

2006274484 **Rheem Australia Pty Limited** The time in which to pay a renewal fee has been extended to 29 Feb 2024 . Address for service - Halfords IP Level 7 1 Market Street Sydney NSW 2000 AU

**2012**

2012297566 **Integrated Packaging Group Pty Ltd** The time in which to pay a renewal fee has been extended to 16 Mar 2024 . Address for service - Phillips Ormonde Fitzpatrick L 16 333 Collins St Melbourne VIC 3000 AU

**2014**

2014201728 **Sunshine Rice Pty Ltd** The time in which to pay a renewal fee has been extended to 21 Nov 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2017**

2017245152 **Baylor University** The time in which to pay a renewal fee has been extended to 29 Jan 2024 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

**2018**

2018280129 **OhmiQ, Inc.** The time in which to pay the continuation fee has been extended to 05 Jan 2024 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

**2019**

2019101794 **Adaptdefy Limited** The time in which to pay a renewal fee has been extended to 19 Mar 2024 . Address for service - Adaptdefy Limited 13 Winchester Street Lyttelton 8082 NZ

**2022**

2022305262 **KETO PATENT GROUP, INC.** The time in which to enter the National Phase has been extended to 02 Apr 2024 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**Extensions of Time, Section 223**

**2023**

2023100023 **Lastavec, S.** The time in which to pay a renewal fee has been extended to 03 Mar 2024 . Address for service - Patentec Patent Attorneys L11, 65 York Street Sydney NSW 2000 AU

**Amendments**

**Applications for Amendment**

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

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

**2014**

2014365765 Palatability enhancers for pet food, method of preparation and uses thereof **Specialites Pet Food** The nature of the amendment is as shown in the statement(s) filed 24 Apr 2024 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

**2017**

2017401117 Rail fastening apparatus **voestalpine Railway Systems Nortrak LLC ; voestalpine VAE GmbH** The nature of the amendment is as shown in the statement(s) filed 29 Apr 2024 . Address for service - FOUNDRY INTELLECTUAL PROPERTY PTY LTD PO Box Q1466 Queen Victoria Building NSW 1230 AU

**2018**

2018203168 Cryogenic freezer **MVE Biological Solutions US, LLC** The nature of the amendment is as shown in the statement(s) filed 30 May 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2018232195 A mobile leisure accommodation vehicle and a method for ventilating a mobile leisure accommodation vehicle **Domestic Sweden AB** The nature of the amendment is as shown in the statement(s) filed 28 May 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2018245014 Multiple sclerosis associated autoantigens, and use thereof in therapy and diagnosis **NEOGAP Therapeutics AB** The nature of the amendment is as shown in the statement(s) filed 15 May 2024 . Address for service - Spruson & Ferguson Level 24, Tower 2 Darling Park, 201 Sussex Street Sydney NSW 2000 AU

2018290810 Silk-hyaluronic acid based tissue fillers and methods of using the same **Evolved By Nature, Inc.** The nature of the amendment is as shown in the statement(s) filed 29 May 2024 . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

2018332470 CONTROLLED-RELEASE TYPE FERTILIZER WITH DECREASED FLOATING PROPERTY COMPRISING TRI-BLOCK COPOLYMER AND METHOD FOR PREPARING THE SAME **LG Chem. Ltd.** The nature of the amendment is as shown in the statement(s)

**Amendments**

filed 04 Jun 2024 . Address for service - Phillips Ormonde Fitzpatrick  
PO Box 323 COLLINS STREET WEST VIC 8007 AU

**2019**

2019234570 Vacuum refining of molten glass **Owens-Brockway Glass Container Inc.** The nature of the amendment is as shown in the statement(s) filed 21 May 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2019249846 Systems and methods for serial flow emulsion processes **Dropworks, Inc.** The nature of the amendment is as shown in the statement(s) filed 03 Jun 2024 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

2019316556 Methods for assessing the risk of developing progressive multifocal leukoencephalopathy caused by john cunningham virus by genetic testing **PML Screening, LLC ; Université Paris-Saclay ; The Assistance Publique - Hôpitaux De Paris (APHP) ; The Institut National De La Santé Et De La Recherche Médicale (INSERM)** The nature of the amendment is as shown in the statement(s) filed 28 May 2024 . Address for service - Griffith Hack Level 15 376-390 Collins St MELBOURNE VIC 3000 AU

**2020**

2020226629 Systems and methods for tethering subsea blow-out-preventers **Trendsetter Vulcan Offshore, Inc.** The nature of the amendment is as shown in the statement(s) filed 03 Jun 2024 . Address for service - Dark IP PO BOX 2416 Fortitude Valley BC QLD 4006 AU

**2022**

2022265323 HETEROCYCLIC COMPOUNDS CAPABLE OF ACTIVATING STING **BOEHRINGER INGELHEIM INTERNATIONAL GMBH** The nature of the amendment is as shown in the statement(s) filed 28 May 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**Amendments Made**

**2013**

2013269365 **Coolside Limited** The nature of the amendment is as shown in the statement filed 07 Feb 2024

**2015**

2015369683 **Bristol-Myers Squibb Company** The nature of the amendment is as shown in the statement filed 21 Feb 2024

**2017**

2017244515 **Toray Industries, Inc.** The nature of the amendment is as shown in the statement filed 08 Mar 2024

2017250284 **Creatv Microtech, Inc.** The nature of the amendment is as shown in the statement(s) filed 29 Feb 2024

2017355504 **2seventy bio, Inc.** The nature of the amendment is as shown in the statement filed 22 May 2024

**2018**

2018256498 **MedImmune Limited** The nature of the amendment is as shown in the statement filed 14 Feb 2024

**Amendments**

2018275244 **Reil, G.** The nature of the amendment is as shown in the statement filed 29 Feb 2024

2018434968 **RepetCo Innovations, S.L.** The nature of the amendment is: Amend the invention title to read METHOD FOR SEPARATING THE LAYERS OF MULTILAYER PLASTICS

**2019**

2019235432 **Eni S.p.A.** The nature of the amendment is as shown in the statement filed 06 Feb 2024

2019346134 **Janssen Biotech, Inc.** The nature of the amendment is as shown in the statement filed 29 Jan 2024

2019468597 **Huawei Technologies Co., Ltd.** The nature of the amendment is as shown in the statement filed 13 Mar 2024

**2020**

2020328503 **Ultradent Products, Inc.** The nature of the amendment is as shown in the statement filed 23 Feb 2024

2020414768 **Pylon Technologies, Co. Ltd** The nature of the amendment is as shown in the statement filed 13 Mar 2024

**2021**

2021206267 **Axial Therapeutics, Inc.** The nature of the amendment is: Amend the name of the inventor to read CAMPBELL, Anthony Stewart; OALMANN, Christopher J.; YAMASHITA, Dennis S. and BARTOLOZZI, Alessandra

2021215721 **Corteva Agriscience LLC** The nature of the amendment is as shown in the statement filed 29 May 2024

2021221687 **Fraser, M.** The nature of the amendment is: Application is to proceed under the number 2021107696

2021221801 **Arlec Australia Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2021107696

2021231492 **WaveTamer LLC** The nature of the amendment is as shown in the statement filed 06 Jun 2024

2021261524 **Bayer Aktiengesellschaft** The nature of the amendment is: Amend the name of the inventor to read SCHMEES, Norbert; ROEHN, Ulrike; KIRCHHOFF, Dennis; PETERSEN, Kirstin; NGUYEN, Thi, Thanh Uyen; GREESE, Mareike; WERBECK, Nicolas; BOEMER, Ulf; BADER, Benjamin; STOECKIGT, Detlef; KOSEMUND, Dirk; OFFRINGA, Rienk; LINK, Corinna; NOWAK-REPPPEL, Katrin and ROSEN-TRETER, Ulrich

2021333558 **Disarm Therapeutics, Inc.** The nature of the amendment is as shown in the statement filed 05 Mar 2024

**2022**

2022204166 **Deciphera Pharmaceuticals, LLC** The nature of the amendment is as shown in the statement filed 09 Mar 2024

2022210475 **REGENERON PHARMACEUTICALS, INC.** The nature of the amendment is: Amend the name of the inventor to read GAO, Yinglin; MACDONNELL, Scott; SUNDARAM, Bharathi; KIM, Jee;

**Amendments**

DEL PRIORE, Isabella; MEGNA, Jake; RUAN, Qin and MORTON, Lori C.

2022246412 **iOmniscient Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 10 Apr 2024

2022295477 **SAMSUNG ELECTRONICS CO., LTD.** The nature of the amendment is as shown in the statement filed 31 May 2024

2022375406 **JAPAN AS REPRESENTED BY DIRECTOR GENERAL OF NATIONAL INSTITUTE OF INFECTIOUS DISEASES; KIRIN HOLDINGS KABUSHIKI KAISHA** The nature of the amendment is: Amend the invention title to read AGENT FOR INHIBITING PROLIFERATION OF SARS-CoV-2

2022386314 **AMGEN INC.** The nature of the amendment is: Amend the priority details to read 63/277,597 09 Nov 2021 US

2022400902 **HUAWEI TECHNOLOGIES CO., LTD.** The nature of the amendment is: Amend the invention title to read IMAGE ENCODING AND DECODING METHOD AND APPARATUS

2022402516 **TELEFLEX LIFE SCIENCES LLC** The nature of the amendment is: Amend the name of the inventor to read O'MALLEY, Philip; CAMPION, Patrick; BUTLER, David; LYNN, Sean; GORADIA, Mihir; RHODES, Nathaniel Lee Randy and GABAY, Greg

2022405531 **AXOSIM, INC.** The nature of the amendment is: Amend the priority details to read 63/286,959 07 Dec 2021 US

2022416060 **COLGATE-PALMOLIVE COMPANY** The nature of the amendment is: Amend the name of the inventor to read OKAI, Takahide; EL KOUBY-BENICHO, Vincent; GIROUD, Olivier; JI, Yanmei and XIE, Fan Gang

2022421161 **TENSAR INTERNATIONAL CORPORATION** The nature of the amendment is: Amend the name of the inventor to read CURSON, Andrew; JENKINS, Tom-Ross; WALLER, Andrew, Edward; GALLAGHER, Daniel, John; BAKER, Daniel, Mark; TYAGI, Manoj, Kumar and CAVANAUGH, Joseph

2022430343 **LG ENERGY SOLUTION, LTD.** The nature of the amendment is: Amend the invention title to read Battery data management apparatus and operating method thereof

2022456860 **SOCIEDAD QUIMICA Y MINERA DE CHILE S.A.** The nature of the amendment is: Amend the invention title to read Process to obtain lithium sulfate monohydrate ore with low contents of impurities associated to chlorine and magnesium

2022457154 **SOCIEDAD QUIMICA Y MINERA DE CHILE S.A.** The nature of the amendment is: Amend the invention title to read Process for obtaining lithium sulfate monohydrate by leaching from a lithium sulfate concentrate, with the objective of obtaining a high-grade lithium sulfate monohydrate ore with low impurity contents associated with potassium, magnesium and boron

2022457220 **SOCIEDAD QUIMICA Y MINERA DE CHILE S.A.** The nature of the amendment is: Amend the invention title to read Global process to obtain lithium sulfate monohydrate ore with low contents of impurities associated to chlorine and magnesium

**Amendments**

**2023**

2023282161 **LG ENERGY SOLUTION, LTD.** The nature of the amendment is: Amend the invention title to read Battery container and energy storage system including the same

2023900633 **Rohitha, S.; Rohitha, B.I.; Rohitha, B.M.; Rohitha, B.H.** The nature of the amendment is: Application is to proceed under number 2023387748

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

**2001**

2001089306 **Sosei R&D Ltd.** The name of the patentee has been altered to **NXERA PHARMA UK LIMITED**

**2011**

2011212430 **Heptares Therapeutics Limited** The name of the patentee has been altered to **Nxera Pharma UK Limited**

**2012**

2012226608 **Heptares Therapeutics Limited** The name of the patentee has been altered to **Nxera Pharma UK Limited**

**2013**

2013347264 **Inphena ApS** The name of the patentee has been altered to **Afyx Therapeutics A/S**

**2015**

2015202515 **Progress Rail Inspection & Information Systems S.r.l.** The name of the patentee has been altered to **Progress Rail Signaling S.p.A.**

**2017**

2017334035 **Takeda Pharmaceutical Company Limited; Myovant Sciences GmbH** The name of the patentee has been altered to **Takeda Pharmaceutical Company Limited; Sumitomo Pharma Switzerland GmbH**

2017336338 **Myovant Sciences GmbH** The name of the patentee has been altered to **Sumitomo Pharma Switzerland GmbH**

2017336363 **Takeda Pharmaceutical Company Limited; Myovant Sciences GmbH** The name of the patentee has been altered to **Takeda Pharmaceutical Company Limited; Sumitomo Pharma Switzerland GmbH**

**2020**

2020281118 **Ushr, Inc.** The name of the applicant has been altered to **Dynamic Map Platform North America, Inc**

**2021**

2021235257 **Heptares Therapeutics Limited** The name of the applicant has been altered to **Nxera Pharma UK Limited**

2021236951 **Heptares Therapeutics Limited** The name of the applicant has been altered to **Nxera Pharma UK Limited**

**Amendments**

2021237811 Heptares Therapeutics Limited The name of the applicant has been altered to **Nxera Pharma UK Limited**

2021260142 Heptares Therapeutics Limited The name of the applicant has been altered to **Nxera Pharma UK Limited**

2021278303 Myovant Sciences GmbH The name of the applicant has been altered to **Sumitomo Pharma Switzerland GmbH**

2021352146 BETAGENON BIO AB The name of the applicant has been altered to **Betagenon AB**

**2022**

2022228685 NEXTKIDNEY S.A.; DIALYSS PTE LTD The name of the applicant has been altered to **NEXTKIDNEY S.A.; Nextkidney SG PTE LTD.**

2022241582 Takeda Pharmaceutical Company Limited; Myovant Sciences GmbH The name of the applicant has been altered to **Sumitomo Pharma Switzerland GmbH; Takeda Pharmaceutical Company Limited**

2022256300 INTERNATIONAL BETTERY METALS, LTD. The name of the applicant has been altered to **International Battery Metals, Ltd**

**2023**

2023200731 Myovant Sciences GmbH The name of the applicant has been altered to **Sumitomo Pharma Switzerland GmbH**

2023201047 Takeda Pharmaceutical Company Limited; Myovant Sciences GmbH The name of the applicant has been altered to **Sumitomo Pharma Switzerland GmbH; Takeda Pharmaceutical Company Limited**

2023207248 PHILIPS DOMESTIC APPLIANCES HOLDING B.V. The name of the applicant has been altered to **Versuni Holding B.V.**

2023207420 PHILIPS DOMESTIC APPLIANCES HOLDING B.V. The name of the applicant has been altered to **Versuni Holding B.V.**

2023207772 PHILIPS DOMESTIC APPLIANCES HOLDING B.V. The name of the applicant has been altered to **Versuni Holding B.V.**

**2024**

2024203310 Intrexon Corporation The name of the applicant has been altered to **Precigen, Inc.**

2024203443 DISNEY ENTERPRISES, INC.; ETH ZÜRICH The name of the applicant has been altered to **DISNEY ENTERPRISES, INC.; ETH ZÜRICH (EIDGENÖSSISCHE TECHNISCHE HOCHSCHULE ZÜRICH)**

**Notice of Intention to Amend under Section 105 pursuant to the Federal Court Rules**

Australian Patent/Patent Application 2015100599 in the name(s) of Smart Glass Systems Pty Ltd

Applications Open to Public Inspection

Name Index

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

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(71) 2724889 Ontario, Inc.  
 (11) AU-A-2024203798  
 (21) 2024203798 (22) 05.06.2024  
 (54) MODULAR FURNITURE SYSTEM  
 (51) Int. Cl.  
**A47B 37/04** ( 2006.01 )  
**A47B 3/06** ( 2006.01 )  
**A47B 13/00** ( 2006.01 )  
**A47B 85/06** ( 2006.01 )  
**F16B 12/44** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2018223297  
 (72) Styrc, Jacek; Lysiak, Sebastian  
 (74) Acacia Law

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(71) 2seventy bio, Inc.  
 (11) AU-A-2024203604  
 (21) 2024203604 (22) 29.05.2024  
 (54) TGFBeta signal convertor  
 (51) Int. Cl.  
**C07K 14/705** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**C12N 9/12** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2022201775  
 (72) Boyerinas, Benjamin  
 (74) Davies Collison Cave Pty Ltd

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(71) Aadigen, LLC  
 (11) AU-A-2024202093  
 (21) 2024202093 (22) 02.04.2024  
 (54) PEPTIDES AND NANOPARTICLES FOR INTRACELLULAR DELIVERY OF MRNA  
 (51) Int. Cl.  
**C07K 7/08** ( 2006.01 )  
**A61K 47/66** ( 2017.01 )  
**A61K 48/00** ( 2006.01 )  
**C07K 7/02** ( 2006.01 )  
**C12N 15/87** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2018352221  
 (72) DESAI, Neil; DIVITA, Gilles  
 (74) AJ PARK

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(71) AbbVie Inc.  
 (11) AU-A-2024203642  
 (21) 2024203642 (22) 30.05.2024  
 (54) Methods of treating Crohn's disease and ulcerative colitis  
 (51) Int. Cl.  
**A61K 31/495** ( 2006.01 )  
**A61P 1/00** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2018230500  
 (72) Thakkar, Roopal B.; Jungerwirth, Steven; Machado De Lacerda, Ana Paula; Robinson, Anne M.; Enejosa, Jose Jeffrey V.; Pangan, Aileen L.; Mo-

hamed, Mohamed-Eslam; Othman, Ahmed; Klünder, Ben; Allian, Ayman D.; Borchardt, Thomas B.; Nordstrom, Fredrik Lars; Sheikh, Ahmad Y.; Mulhern, Mathew M.; Jayanth, Jayanth; Marroum, Patrick J.; Mayer, Peter T.  
 (74) Spruson & Ferguson

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(71) Acres Technology  
 (11) AU-A-2024203573  
 (21) 2024203573 (22) 28.05.2024  
 (54) Gaming Device Having Multiple Game Play Option  
 (51) Int. Cl.  
**A63F 9/24** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2022202194  
 (72) Acres, John F.  
 (74) Golja Haines & Friend

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(71) Adam, R.  
 (11) AU-A-2022279528  
 (21) 2022279528 (22) 01.12.2022  
 (54) SYSTEM AND METHOD FOR MANAGING THE CONTENT IN A STORAGE ASSEMBLY  
 (51) Int. Cl.  
**G06Q 10/087** ( 2023.01 )  
**G01G 19/52** ( 2006.01 )  
**G06Q 30/0601** ( 2023.01 )  
**G08B 21/18** ( 2006.01 )  
**G07F 9/02** ( 2006.01 )  
 (43) 20.06.2024  
 (72) Adam, Rani  
 (74) Rani Adam

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(71) Adobe Inc.  
 (11) AU-A-2023237210  
 (21) 2023237210 (22) 02.10.2023  
 (54) FINE-TUNING AND CONTROLLING DIFFUSION MODELS  
 (51) Int. Cl.  
**G06T 11/60** ( 2006.01 )  
**G06N 20/00** ( 2019.01 )  
**G06T 7/00** ( 2017.01 )  
 (31) 18/062,314 (32) 06.12.22 (33) US  
 (43) 20.06.2024  
 (72) Kumari, Nupur; Zhang, Richard; Zhu, Junyan; Shechtman, Elya  
 (74) RnB IP Pty Ltd

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(71) AKL Research and Development Ltd.  
 (11) AU-A-2024203514  
 (21) 2024203514 (22) 27.05.2024  
 (54) Liquid formulation comprising paeonol and apocynin  
 (51) Int. Cl.  
**A61K 9/08** ( 2006.01 )  
**A61K 9/48** ( 2006.01 )  
**A61K 36/24** ( 2006.01 )

**A61K 36/65** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2018371165  
 (72) LARKINS, Nicholas John  
 (74) Spruson & Ferguson

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(71) Alkahest, Inc.  
 (11) AU-A-2024203755  
 (21) 2024203755 (22) 04.06.2024  
 (54) Methods and compositions for treating pruritus, xerosis, and associated disease using CCR3-inhibitors  
 (51) Int. Cl.  
**A61K 31/4545** ( 2006.01 )  
**A61P 17/00** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2018347447  
 (72) BRAITHWAITE, Steven P.; MINAMI, S. Sakura; TEICHERT, Arnaud E.J.  
 (74) FB Rice Pty Ltd

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(71) Amarin Pharmaceuticals Ireland Limited  
 (11) AU-A-2024203681  
 (21) 2024203681 (22) 31.05.2024  
 (54) PHARMACEUTICAL COMPOSITIONS COMPRISING EPA AND A CARDIOVASCULAR AGENT AND METHODS OF USING THE SAME  
 (51) Int. Cl.  
**A01N 37/00** ( 2006.01 )  
**A61K 31/20** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2022200516  
 (72) MANKU, Mehar; ROWE, Jonathan  
 (74) AJ PARK

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(71) Amicus Therapeutics, Inc.  
 (11) AU-A-2024203333  
 (21) 2024203333 (22) 20.05.2024  
 (54) FORMULATIONS COMPRISING RECOMBINANT ACID ALPHA-GLUCOSIDASE  
 (51) Int. Cl.  
**A61K 38/47** ( 2006.01 )  
**A61K 9/08** ( 2006.01 )  
**A61K 47/02** ( 2006.01 )  
**A61K 47/12** ( 2006.01 )  
**A61K 47/26** ( 2006.01 )  
**A61P 3/00** ( 2006.01 )  
**A61P 3/08** ( 2006.01 )  
**A61P 9/04** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**A61P 21/00** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
**C12N 9/26** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2017239641  
 (72) Char, Hing; Tesler, Sergey; Sunderland, Wendy; Diloné, Enrique; Gotschall, Russell; Do, Hung  
 (74) Dark IP

Applications Open to Public Inspection - Name Index cont'd

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(71) AMIET, J.  
 (11) AU-A-2022279494  
 (21) 2022279494 (22) 01.12.2022  
 (54) A CRANK  
 (51) Int. Cl.  
     **B62M 3/00** ( 2006.01 )  
 (43) 20.06.2024  
 (72) AMIET, Jason  
 (74) Wynnes Patent and Trade Mark Attorneys Pty Ltd

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2024203632  
 (21) 2024203632 (22) 30.05.2024  
 (54) FRAUD DETECTION SYSTEM IN CASINO  
 (51) Int. Cl.  
     **G07C 11/00** ( 2006.01 )  
     **A47B 25/00** ( 2006.01 )  
     **G06T 7/00** ( 2017.01 )  
 (43) 20.06.2024  
 (62) 2022215214  
 (72) Shigeta, Yasushi  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2024203633  
 (21) 2024203633 (22) 30.05.2024  
 (54) FRAUD DETECTION SYSTEM IN CASINO  
 (51) Int. Cl.  
     **G07C 11/00** ( 2006.01 )  
     **A47B 25/00** ( 2006.01 )  
     **G06T 7/00** ( 2017.01 )  
 (43) 20.06.2024  
 (62) 2022215214  
 (72) Shigeta, Yasushi  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2024203697  
 (21) 2024203697 (22) 01.06.2024  
 (54) SUBSTITUTE CURRENCY FOR GAMING, INSPECTION DEVICE, AND MANUFACTURING METHOD OF SUBSTITUTE CURRENCY FOR GAMING, AND MANAGEMENT SYSTEM FOR TABLE GAMES  
 (51) Int. Cl.  
     **G06Q 50/10** ( 2012.01 )  
     **A63F 1/06** ( 2006.01 )  
     **A63F 11/00** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2022203578  
 (72) Shigeta, Yasushi  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2024203783  
 (21) 2024203783 (22) 05.06.2024  
 (54) SUBSTITUTE CURRENCY FOR GAMING, INSPECTION DEVICE, AND

MANUFACTURING METHOD OF SUBSTITUTE CURRENCY FOR GAMING, AND MANAGEMENT SYSTEM FOR TABLE GAMES  
 (51) Int. Cl.  
     **G06Q 50/10** ( 2012.01 )  
     **A63F 1/06** ( 2006.01 )  
     **A63F 11/00** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2022203765  
 (72) Shigeta, Yasushi  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2024203666  
 (21) 2024203666 (22) 31.05.2024  
 (54) A GAMING SYSTEM AND A METHOD OF GAMING  
 (51) Int. Cl.  
     **A63F 13/45** ( 2014.01 )  
     **G07F 17/34** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2022202651  
 (72) TAM, BILLY HO CHING; FONG, COLIN  
 (74) Griffith Hack

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(71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2024203668  
 (21) 2024203668 (22) 31.05.2024  
 (54) A GAMING SYSTEM  
 (51) Int. Cl.  
     **A63F 13/52** ( 2014.01 )  
     **A63F 13/46** ( 2014.01 )  
     **G07F 17/32** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2022202153  
 (72) DEGENS, Erika; TRAN, Toan; CRISPINO, Oliver; MAYO, Marc  
 (74) Griffith Hack

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(71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2024203673  
 (21) 2024203673 (22) 31.05.2024  
 (54) A gaming system and a method of gaming  
 (51) Int. Cl.  
     **A63F 13/10** ( 2006.01 )  
     **A63F 13/02** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2022202383  
 (72) Willis, John Vincent  
 (74) Griffith Hack

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(71) Ark Corporation Pty Ltd  
 (11) AU-A-2023278022  
 (21) 2023278022 (22) 05.12.2023  
 (54) A scale for a towable vehicle  
 (51) Int. Cl.  
     **B60D 1/24** ( 2006.01 )  
     **B60D 1/06** ( 2006.01 )  
     **B60D 1/58** ( 2006.01 )  
     **G01G 19/08** ( 2006.01 )  
 (31) 2022903712 (32) 05.12.22 (33) AU

(43) 20.06.2024  
 (72) Garo, AFARIAN; Shojaeddin, MIR-FENDERESKI  
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

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(71) Auchmann, M.  
 (11) AU-A-2023274225  
 (21) 2023274225 (22) 04.12.2023  
 (54) Method for Verifying Video Data Encoded in an Encoder Unit  
 (51) Int. Cl.  
     **H04N 19/00** ( 2014.01 )  
     **H04N 19/103** ( 2014.01 )  
 (31) 22020594.2 (32) 05.12.22 (33) EP  
 (43) 20.06.2024  
 (72) Auchmann, Matthias  
 (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD

---

(71) AUTO TRANSFORM LIMITED  
 (11) AU-A-2023277292  
 (21) 2023277292 (22) 05.12.2023  
 (54) EQUIPMENT TRANSPORT APPARATUS FOR AN AUTOMOBILE  
 (51) Int. Cl.  
     **B62D 33/04** ( 2006.01 )  
     **B60R 9/06** ( 2006.01 )  
     **B62D 29/04** ( 2006.01 )  
     **B62D 33/02** ( 2006.01 )  
     **B60R 9/04** ( 2006.01 )  
     **B60R 11/06** ( 2006.01 )  
     **B62D 33/077** ( 2006.01 )  
 (31) 2022903720 (32) 06.12.22 (33) AU  
 (43) 20.06.2024  
 (72) STANNERS, Gerald Brian; STANNERS, Daniel Kelvin; STANNERS, Joshua Pierre; WEST, Michael Peter  
 (74) AJ PARK

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(71) Avava, Inc.  
 (11) AU-A-2024203764  
 (21) 2024203764 (22) 04.06.2024  
 (54) Feedback detection for a treatment device  
 (51) Int. Cl.  
     **A61B 18/20** ( 2006.01 )  
     **A61N 5/067** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2020382794  
 (72) BHAWALKAR, Jayant; KATKAM, Rajender; LEVINE, Lewis J.; DRESSER, Charles Holland  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Axsome Therapeutics, Inc.  
 (11) AU-A-2024203676  
 (21) 2024203676 (22) 31.05.2024  
 (54) USE OF REBOXETINE TO TREAT NERVOUS SYSTEM DISORDERS  
 (51) Int. Cl.  
     **A61K 31/5375** ( 2006.01 )  
     **A61P 25/24** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2020395082  
 (72) TABUTEAU, Herriot  
 (74) RnB IP



Applications Open to Public Inspection - Name Index cont'd

- 
- (71) B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.  
 (11) AU-A-2024203636  
 (21) 2024203636 (22) 30.05.2024  
 (54) Image data encoding/decoding method and apparatus  
 (51) Int. Cl.  
*H04N 19/625* ( 2014.01 )  
*H04N 19/103* ( 2014.01 )  
*H04N 19/11* ( 2014.01 )  
*H04N 19/119* ( 2014.01 )  
*H04N 19/124* ( 2014.01 )  
*H04N 19/129* ( 2014.01 )  
*H04N 19/13* ( 2014.01 )  
*H04N 19/134* ( 2014.01 )  
*H04N 19/176* ( 2014.01 )  
*H04N 19/51* ( 2014.01 )  
 (43) 20.06.2024  
 (62) 2023258327  
 (72) KIM, Ki Baek  
 (74) FB Rice Pty Ltd
- 
- (71) B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.  
 (11) AU-A-2024203643  
 (21) 2024203643 (22) 30.05.2024  
 (54) Image data encoding/decoding method and apparatus  
 (51) Int. Cl.  
*H04N 19/625* ( 2014.01 )  
*H04N 19/103* ( 2014.01 )  
*H04N 19/11* ( 2014.01 )  
*H04N 19/119* ( 2014.01 )  
*H04N 19/124* ( 2014.01 )  
*H04N 19/129* ( 2014.01 )  
*H04N 19/13* ( 2014.01 )  
*H04N 19/134* ( 2014.01 )  
*H04N 19/176* ( 2014.01 )  
*H04N 19/51* ( 2014.01 )  
 (43) 20.06.2024  
 (62) 2023258327  
 (72) KIM, Ki Baek  
 (74) FB Rice Pty Ltd
- 
- (71) B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.  
 (11) AU-A-2024203648  
 (21) 2024203648 (22) 30.05.2024  
 (54) Image data encoding/decoding method and apparatus  
 (51) Int. Cl.  
*H04N 19/625* ( 2014.01 )  
*H04N 19/103* ( 2014.01 )  
*H04N 19/11* ( 2014.01 )  
*H04N 19/119* ( 2014.01 )  
*H04N 19/124* ( 2014.01 )  
*H04N 19/129* ( 2014.01 )  
*H04N 19/13* ( 2014.01 )  
*H04N 19/134* ( 2014.01 )  
*H04N 19/176* ( 2014.01 )  
*H04N 19/51* ( 2014.01 )  
 (43) 20.06.2024  
 (62) 2023258327  
 (72) KIM, Ki Baek  
 (74) FB Rice Pty Ltd
- 
- (71) B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.  
 (11) AU-A-2024203650  
 (21) 2024203650 (22) 30.05.2024  
 (54) Image data encoding/decoding method and apparatus  
 (51) Int. Cl.  
*H04N 19/625* ( 2014.01 )  
*H04N 19/103* ( 2014.01 )  
*H04N 19/11* ( 2014.01 )  
*H04N 19/119* ( 2014.01 )  
*H04N 19/124* ( 2014.01 )  
*H04N 19/129* ( 2014.01 )  
*H04N 19/13* ( 2014.01 )  
*H04N 19/134* ( 2014.01 )  
*H04N 19/176* ( 2014.01 )  
*H04N 19/51* ( 2014.01 )  
 (43) 20.06.2024  
 (62) 2023258327  
 (72) KIM, Ki Baek  
 (74) FB Rice Pty Ltd
- 
- (71) B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.  
 (11) AU-A-2024203652  
 (21) 2024203652 (22) 30.05.2024  
 (54) Image data encoding/decoding method and apparatus  
 (51) Int. Cl.  
*H04N 19/625* ( 2014.01 )  
*H04N 19/103* ( 2014.01 )  
*H04N 19/11* ( 2014.01 )  
*H04N 19/119* ( 2014.01 )  
*H04N 19/124* ( 2014.01 )  
*H04N 19/129* ( 2014.01 )  
*H04N 19/13* ( 2014.01 )  
*H04N 19/134* ( 2014.01 )  
*H04N 19/176* ( 2014.01 )  
*H04N 19/51* ( 2014.01 )  
 (43) 20.06.2024  
 (62) 2023258327  
 (72) KIM, Ki Baek  
 (74) FB Rice Pty Ltd
- 
- (71) Bambino Prezioso Switzerland AG  
 (11) AU-A-2024203565  
 (21) 2024203565 (22) 28.05.2024  
 (54) SIDE IMPACT PROTECTION LINK-AGE MECHANISM AND SAFETY SEAT BASE  
 (51) Int. Cl.  
*B60N 2/28* ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2020381878  
 (72) CHEN, Hongbo  
 (74) Griffith Hack
- 
- (71) Berkeley Lights, Inc.  
 (11) AU-A-2024203599  
 (21) 2024203599 (22) 29.05.2024  
 (54) DNA barcode compositions and methods of in situ identification in a microfluidic device  
 (51) Int. Cl.  
*C40B 20/04* ( 2006.01 )  
*B01J 19/00* ( 2006.01 )  
*C40B 40/06* ( 2006.01 )  
*C40B 70/00* ( 2006.01 )
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- (71) BioFire Defense LLC see bioMerieux, Inc.  
 (21) 2024203530
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- (71) Biomatrix, Inc.  
 (11) AU-A-2024203518  
 (21) 2024203518 (22) 27.05.2024  
 (54) REDUCTION OF ERYTHROCYTE SEDIMENTATION RATE  
 (51) Int. Cl.  
*G01N 15/04* ( 2006.01 )  
*G01N 33/80* ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2022200530  
 (72) Desharnais, Joel; Arendt, Victoria; Mattmann, Margrith  
 (74) Davies Collison Cave Pty Ltd
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- (71) bioMerieux, Inc.; BioFire Defense LLC  
 (11) AU-A-2024203530  
 (21) 2024203530 (22) 27.05.2024  
 (54) Isolation tube  
 (51) Int. Cl.  
*G01N 1/28* ( 2006.01 )  
*A61B 5/15* ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2018306428  
 (72) WALSH, John D.; RONSICK, Christopher S.; WILSON, Mark S.; RIRIE, Kirk; HILL, Ryan T.  
 (74) WRAYS PTY LTD
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- (71) BIO-RAD LABORATORIES, INC.  
 (11) AU-A-2024203580  
 (21) 2024203580 (22) 29.05.2024  
 (54) System and Method for Isolating and Analyzing Cells  
 (51) Int. Cl.  
*B01L 3/00* ( 2006.01 )  
*G01N 30/26* ( 2006.01 )  
*G01N 33/00* ( 2006.01 )  
*G01N 33/06* ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2022204177  
 (72) Handique, Kalyan; Sharma, Vishal; Gogoi, Priyadarshini; Chow, William; Payne, Austin; Boniface, Brian; Gleason, Kyle; Connolly, John; Tuck, Sam  
 (74) PIPERS
- 
- (71) Blackhawk Network, Inc.  
 (11) AU-A-2024203742  
 (21) 2024203742 (22) 04.06.2024  
 (54) System and method for configuring risk tolerance in transaction cards  
 (51) Int. Cl.  
*G06F 21/00* ( 2013.01 )

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(43) 20.06.2024  
 (62) 2022202937  
 (72) KUNDU, Arindam  
 (74) Davies Collison Cave Pty Ltd

(71) Board of Regents, The University of Texas System; Moleculin Biotech, Inc.  
 (11) AU-A-2024203598  
 (21) 2024203598 (22) 29.05.2024  
 (54) PREPARATION OF PRELIPOSOMAL ANNAMYCIN LYOPHILIZATE  
 (51) Int. Cl.  
**A61K 31/704** ( 2006.01 )  
**A61K 9/127** ( 2006.01 )  
**A61K 47/26** ( 2006.01 )  
**A61K 47/34** ( 2017.01 )

(43) 20.06.2024  
 (62) 2020303572  
 (72) PICKER, Donald; PRIEBE, Waldemar  
 (74) AJ PARK

(71) Bongo Learn, Inc.  
 (11) AU-A-2024203737  
 (21) 2024203737 (22) 03.06.2024  
 (54) Collaborative group video production system  
 (51) Int. Cl.  
**G06Q 10/10** ( 2023.01 )  
**G06F 3/14** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2022203975  
 (72) LEWIS, Jeffrey S.; FIESTHUMEL, Robert J.; DEINES, Marna; DOKTER, Jay D.  
 (74) FPA Patent Attorneys Pty Ltd

(71) Bowman, B.  
 (11) AU-A-2022279553  
 (21) 2022279553 (22) 04.12.2022  
 (54) Latches to hold commercial and residential bin lids closed  
 (51) Int. Cl.  
**B65F 1/16** ( 2006.01 )  
**E05B 65/52** ( 2006.01 )  
**E05B 73/00** ( 2006.01 )  
**E05C 21/00** ( 2006.01 )  
 (43) 20.06.2024  
 (72) Bowman, Bradley  
 (74) Bradley John Bowman

(71) Brother Kogyo Kabushiki Kaisha  
 (11) AU-A-2024203675  
 (21) 2024203675 (22) 31.05.2024  
 (54) DEVELOPING CARTRIDGE  
 (51) Int. Cl.  
**G03G 15/08** ( 2006.01 )  
**G03G 21/16** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2022202159  
 (72) Wang, Yuwen; Hashimoto, Junichi; Kishi, Isao; Ooka, Kazuaki  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Buck Institute for Research on Aging  
 (11) AU-A-2024203624  
 (21) 2024203624 (22) 30.05.2024

(54) Formulations for extending lifespan and healthspan  
 (51) Int. Cl.  
**A61K 31/4745** ( 2006.01 )  
**A61K 31/19** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2018260646  
 (72) KENNEDY, Brian; LITHGOW, Gordon J.; WELDON, Thomas; EDGAR, Daniel; LUCANIC, Mark  
 (74) FB Rice Pty Ltd

(71) Bytedance Inc.  
 (11) AU-A-2024203526  
 (21) 2024203526 (22) 27.05.2024  
 (54) Mobile chat application integration with promotional systems  
 (51) Int. Cl.  
**G06Q 30/02** ( 2023.01 )  
 (43) 20.06.2024  
 (62) 2022203035  
 (72) ELLIS, Scott; GANGAL, Devdatta; JOY, Jayesh; BARNEY, Hamish  
 (74) Spruson & Ferguson

(71) CAAMTECH, INC.  
 (11) AU-A-2024203588  
 (21) 2024203588 (22) 29.05.2024  
 (54) Dialkyl tryptamines and their therapeutic uses  
 (51) Int. Cl.  
**A61K 31/675** ( 2006.01 )  
**A61K 31/05** ( 2006.01 )  
**A61K 31/192** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2021397252  
 (72) CHADEAYNE, Andrew  
 (74) Allens Patent & Trade Mark Attorneys

(71) Capital One Services, LLC  
 (11) AU-A-2024203662  
 (21) 2024203662 (22) 31.05.2024  
 (54) NFC enhanced augmented reality information overlays  
 (51) Int. Cl.  
**G06Q 30/06** ( 2023.01 )  
**G06Q 20/32** ( 2012.01 )  
 (43) 20.06.2024  
 (62) 2020282943  
 (72) RULE, Jeffrey; NEWMAN, Kaitlin  
 (74) GLMR

(71) Capstan Ag Systems, Inc.  
 (11) AU-A-2024203686  
 (21) 2024203686 (22) 31.05.2024  
 (54) Systems and methods for spraying an agricultural fluid on foliage  
 (51) Int. Cl.  
**A01M 7/00** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2019218379  
 (72) GRIMM, Jeffrey John; HOLTZ, Andrew J.  
 (74) Spruson & Ferguson

Carie, A. see Vojkovsky, T.

(21) 2024203511  
 (71) Caterpillar Inc.  
 (11) AU-A-2024203733  
 (21) 2024203733 (22) 03.06.2024  
 (54) Track link with angled seal counterbore  
 (51) Int. Cl.  
**B62D 55/088** ( 2006.01 )  
**B62D 55/21** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2018255165  
 (72) SEBRIGHT, Jason L.; JOHANNSEN, Eric J.  
 (74) FPA Patent Attorneys Pty Ltd

(71) Caterpillar Inc.  
 (11) AU-A-2024203794  
 (21) 2024203794 (22) 05.06.2024  
 (54) Retainer sleeve design with external ribs or with an anti-rotational feature  
 (51) Int. Cl.  
**E02F 9/28** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2020383256  
 (72) SERRURIER, Douglas C.; SINN, Eric T.; JURA, Jason Grant  
 (74) FPA Patent Attorneys Pty Ltd

(71) Chon, U.  
 (11) AU-A-2024203680  
 (21) 2024203680 (22) 31.05.2024  
 (54) Lithium Extraction Method  
 (51) Int. Cl.  
**C22B 26/12** ( 2006.01 )  
**C01D 7/00** ( 2006.01 )  
**C01D 15/08** ( 2006.01 )  
**C22B 3/06** ( 2006.01 )  
**C22B 7/00** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2020426496  
 (72) CHON, Uong  
 (74) WRAYS PTY LTD

(71) Commercialisation Express Pty Ltd  
 (11) AU-A-2024203516  
 (21) 2024203516 (22) 27.05.2024  
 (54) Improvements to Blockout Blind Systems  
 (51) Int. Cl.  
**E06B 9/42** ( 2006.01 )  
**E06B 9/78** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2023200473  
 (72) RIEMELMOSER, John  
 (74) Arceo IP

**DALIAN INSTITUTE OF CHEMICAL PHYSICS, CHINESE ACADEMY OF SCIENCES see PETROLIAM NASIONAL BERHAD (PETRONAS)**  
 (21) 2022440627

(71) DEKA Products Limited Partnership  
 (11) AU-A-2024203597  
 (21) 2024203597 (22) 29.05.2024

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(54) Mobility device  
 (51) Int. Cl.  
     **A61G 5/04** ( 2013.01 )  
     **A61G 5/06** ( 2006.01 )  
     **A61G 5/10** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2018303570  
 (72) NORRIS, Matthew A.; DOHERTY, David B.; MYERS, Matthew J.; PERET, Bob D.; GRAY, Brian G.; COULTER, Stewart M.; KANE, Derek G.; STREETER, Alexander D.; DASTOUS, Susan D.; VANDER MERWE, Dirk A.; KAMEN, Dean; COUTURE, David J.; PAWLOSKI, Daniel F.  
 (74) HENRY HUGHES IP LTD

(71) Delta T, LLC  
 (11) AU-A-2024203677  
 (21) 2024203677 (22) 31.05.2024  
 (54) INTEGRATED THERMAL COMFORT CONTROL SYSTEM UTILIZING CIRCULATING FANS  
 (51) Int. Cl.  
     **F04D 25/08** ( 2006.01 )  
     **F04D 27/00** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2022200507  
 (72) Sarkisian, Dylan; Desmet, James M.; Taber, Christian R.; Banks, David R.; Hollan, C. Jason; Smith, J. Carey; Quinn, Ed; Lesser, Thomas  
 (74) Jones Tulloch

(71) Dipity Pty Ltd  
 (11) AU-A-2024203605  
 (21) 2024203605 (22) 29.05.2024  
 (54) Apparatus, systems and methods for assessing internal organs  
 (51) Int. Cl.  
     **A61B 5/1455** ( 2006.01 )  
     **A61B 5/00** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2020300352  
 (72) DIXON, Barry  
 (74) Davies Collison Cave Pty Ltd

**DRE Sitemax Pty Ltd see Scafclad Pty Ltd**  
 (21) 2024203645

(71) Dropworks, Inc.  
 (11) AU-A-2024203611  
 (21) 2024203611 (22) 29.05.2024  
 (54) Systems And Methods For Serial Flow Emulsion Processes  
 (51) Int. Cl.  
     **B01F 25/31** ( 2022.01 )  
 (43) 20.06.2024  
 (62) 2019249846  
 (72) PERKINS, Christopher Michael; DUNN, Matthew Ryan; LARSEN, Andrew Carl; KELLEY, Donna; BARICH, Michael; HOLUB, Kristopher; KAO, Pin  
 (74) WRAYS PTY LTD

(71) DUG Technology (Australia) Pty Ltd.  
 (11) AU-A-2024203740  
 (21) 2024203740 (22) 03.06.2024  
 (54) SEISMIC DATA PROCESSING METHOD FOR RESOLVING THE NEAR-SURFACE IN THE PRESENCE OF VELOCITY INVERSIONS  
 (51) Int. Cl.  
     **G01V 1/36** ( 2006.01 )  
     **G01V 1/28** ( 2006.01 )  
     **G01V 1/30** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2021205257  
 (72) DIGGINS, Charles F.; HAMPSON, Gary  
 (74) AUSTRALASIA IP PTY LTD

(71) Dynex Extrusions Limited  
 (11) AU-A-2024203594  
 (21) 2024203594 (22) 29.05.2024  
 (54) A CAVITY CLOSER  
 (51) Int. Cl.  
     **E04B 1/72** ( 2006.01 )  
     **E06B 1/00** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2022201353  
 (72) Tozer, Chad Joel; Spake, Luke Duncan  
 (74) ET Intellectual Property

(71) Dziekonski, M.Z.  
 (11) AU-A-2024203627  
 (21) 2024203627 (22) 30.05.2024  
 (54) Vibration damping subsea tubular system  
 (51) Int. Cl.  
     **E21B 17/01** ( 2006.01 )  
     **E21B 41/00** ( 2006.01 )  
     **E21B 43/01** ( 2006.01 )  
     **E21B 43/32** ( 2006.01 )  
     **F15D 1/10** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2022203047  
 (72) Dziekonski, Mitchell Z.  
 (74) FPA Patent Attorneys Pty Ltd

(71) Echo 360, Inc.  
 (11) AU-A-2024203576  
 (21) 2024203576 (22) 29.05.2024  
 (54) METHODS AND APPARATUS FOR AN EMBEDDED APPLIANCE  
 (51) Int. Cl.  
     **H04N 23/60** ( 2023.01 )  
     **H04L 65/60** ( 2022.01 )  
     **H04N 7/00** ( 2011.01 )  
     **H04N 21/00** ( 2011.01 )  
 (43) 20.06.2024  
 (62) 2022200777  
 (72) Rogers, Douglas E.; Titus, Stephen R.; Johnson, Keira Kaitlyn; Smith, John J.; Boyle, David Henry; Bell, Jonathan D.  
 (74) RnB IP Pty Ltd

(71) Ecolab USA Inc.  
 (11) AU-A-2024203577  
 (21) 2024203577 (22) 29.05.2024  
 (54) Portable solid product dispenser and use thereof, and method of dispensing a solution of a fluid and a solid product

(51) Int. Cl.  
     **B05B 7/04** ( 2006.01 )  
     **B05B 15/65** ( 2018.01 )  
     **F16L 37/48** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2019220575  
 (72) SARNSTROM, Andrew; LAUSTED, Matthew D.; HEINBUCH, Karl A.; SWENSON, Peter T.  
 (74) Spruson & Ferguson

(71) ELC Management LLC  
 (11) AU-A-2024203638  
 (21) 2024203638 (22) 30.05.2024  
 (54) COSMETIC DOSING SYSTEM  
 (51) Int. Cl.  
     **A45D 34/04** ( 2006.01 )  
     **A45D 40/26** ( 2006.01 )  
     **A46B 5/00** ( 2006.01 )  
     **A46B 15/00** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2020365146  
 (72) Jacob, Christophe; Bouix, Herve F.  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Electric Loans Australia Pty Ltd  
 (11) AU-A-2022279495  
 (21) 2022279495 (22) 01.12.2022  
 (54) A METHOD FOR PURCHASING AN ASSET  
 (51) Int. Cl.  
     **G06Q 30/06** ( 2023.01 )  
     **G06Q 10/06** ( 2023.01 )  
     **G06Q 40/03** ( 2023.01 )  
     **G06Q 30/0601** ( 2023.01 )  
     **G06Q 50/00** ( 2012.01 )  
 (43) 20.06.2024  
 (72) Perry, Jason  
 (74) Wynnes Patent and Trade Mark Attorneys Pty Ltd

(71) ElectroSea LLC  
 (11) AU-A-2024203748  
 (21) 2024203748 (22) 04.06.2024  
 (54) ELECTROLYTIC BIOCIDES GENERATING SYSTEM FOR USE ON-BOARD A WATERCRAFT  
 (51) Int. Cl.  
     **C02F 1/467** ( 2023.01 )  
     **C02F 1/00** ( 2023.01 )  
     **C02F 103/00** ( 2006.01 )  
     **C02F 103/02** ( 2006.01 )  
     **C02F 103/08** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2018345674  
 (72) Cosentino, Louis Ciro; Cosentino, Daniel L.  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Element Biosciences, Inc.  
 (11) AU-A-2024202272  
 (21) 2024202272 (22) 09.04.2024  
 (54) Nucleic acid hybridization methods  
 (51) Int. Cl.  
     **C12Q 1/6813** ( 2018.01 )  
     **C12Q 1/68** ( 2018.01 )  
     **C12Q 1/6806** ( 2018.01 )

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**C12Q 1/6876** ( 2018.01 )  
**G01N 33/53** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2020264521  
**(72)** ARSLAN, Sinan; HE, Molly; PREVITE, Michael  
**(74)** FB Rice Pty Ltd

**(71)** Emory University  
**(11)** AU-A-2024203589  
**(21)** 2024203589 **(22)** 29.05.2024  
**(54)** METHODS AND SYSTEMS FOR DETERMINING HEMODYNAMIC INFOrmATION FOR ONE OR MORE ARTERIAL SEGMENTS

**(51)** Int. Cl.  
**G06V 10/40** ( 2022.01 )  
**A61B 6/03** ( 2006.01 )  
**A61B 34/10** ( 2016.01 )  
**G06T 7/00** ( 2017.01 )

**(43)** 20.06.2024  
**(62)** 2018345850  
**(72)** SAMADY, Habib; VENEZIANI, Alessandro; GIDDENS, Don; MOLONY, David; LEFIEUX, Adrien; VIGUERIE, Alexander Fuller  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

**(71)** Emulate, Inc.  
**(11)** AU-A-2024203591  
**(21)** 2024203591 **(22)** 29.05.2024  
**(54)** Compound distribution in microfluidic devices  
**(51)** Int. Cl.  
**B01L 3/00** ( 2006.01 )  
**B01D 19/00** ( 2006.01 )  
**B01D 53/22** ( 2006.01 )  
**C12M 1/04** ( 2006.01 )  
**C12M 3/06** ( 2006.01 )  
**G01N 1/40** ( 2006.01 )

**(43)** 20.06.2024  
**(62)** 2022215209  
**(72)** SLIZ, Josiah; LEVNER, Daniel; ZUCKERMAN, Brian; WEN, Norman; RUBINS, Jonathan; SHROFF, Tanvi; HINOJOSA, Christopher David; AHN, Grace; ANTONTSEV, Victor; PUERTA, Jefferson; CONEGLIANO, David; KERNS, S. Jordan  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** EQUIFAX, INC.; FIDELITY INFORMATION SERVICES, LLC  
**(11)** AU-A-2024203796  
**(21)** 2024203796 **(22)** 05.06.2024  
**(54)** CONFIRMING AUTHENTICITY OF A USER TO A THIRD-PARTY SYSTEM  
**(51)** Int. Cl.  
**H04L 9/32** ( 2006.01 )  
**H04L 9/40** ( 2022.01 )

**(43)** 20.06.2024  
**(62)** 2022203766  
**(72)** Cano, Helcio; Huffman, Rich; Bijlani, Ravindra; Michaelson, Richard; Harris, Rob; Van Zyl, Vivian; Pigg, Esther; Romain, Marty  
**(74)** RnB IP Pty Ltd

**(71)** Equifax Inc.  
**(11)** AU-A-2024203578  
**(21)** 2024203578 **(22)** 29.05.2024  
**(54)** Facilitating entity resolution via secure entity resolution database

**(51)** Int. Cl.  
**G06F 21/62** ( 2013.01 )  
**G06F 21/60** ( 2013.01 )  
**(43)** 20.06.2024  
**(62)** 2019218373  
**(72)** JONES, Gregory Dean; CYZIO, Marek Ludomir; WORRELL, Amy Michelle  
**(74)** FB Rice Pty Ltd

**(71)** F. Hoffmann-La Roche AG  
**(11)** AU-A-2024203581  
**(21)** 2024203581 **(22)** 29.05.2024  
**(54)** Oligonucleotides for reduction of PD-L1 expression

**(51)** Int. Cl.  
**C12N 15/113** ( 2010.01 )  
**A61K 31/712** ( 2006.01 )  
**A61K 31/7125** ( 2006.01 )  
**A61K 47/50** ( 2017.01 )  
**A61P 31/00** ( 2006.01 )  
**A61P 33/02** ( 2006.01 )  
**A61P 37/04** ( 2006.01 )  
**C07H 21/00** ( 2006.01 )

**(43)** 20.06.2024  
**(62)** 2022202479  
**(72)** PEDERSEN, Lykke; JAVANBAKHT, Hassan; JACKEROTT, Malene; OTTOSEN, Søren; LUANGSAY, Souphalone  
**(74)** Spruson & Ferguson

**(71)** FalCom A/S  
**(11)** AU-A-2023274136  
**(21)** 2023274136 **(22)** 29.11.2023  
**(54)** A headset

**(51)** Int. Cl.  
**H04R 5/033** ( 2006.01 )  
**G06F 3/01** ( 2006.01 )  
**G06F 3/16** ( 2006.01 )  
**H04R 1/06** ( 2006.01 )  
**H04R 1/20** ( 2006.01 )  
**H04R 5/04** ( 2006.01 )  
**H04W 4/80** ( 2018.01 )

**(31)** 22210826.8 **(32)** 01.12.22 **(33)** EP  
**(43)** 20.06.2024  
**(72)** Mark ORTON; Søren PEDERSEN  
**(74)** FB Rice Pty Ltd

**FIDELITY INFORMATION SERVICES, LLC**  
**see EQUIFAX, INC.**  
**(21)** 2024203796

**(71)** Fisher & Paykel Healthcare Limited  
**(11)** AU-A-2024203679  
**(21)** 2024203679 **(22)** 31.05.2024  
**(54)** SYSTEM FOR HUMIDIFICATION OF MEDICAL GASES  
**(51)** Int. Cl.  
**A61M 16/16** ( 2006.01 )

**(43)** 20.06.2024  
**(62)** 2022202923  
**(72)** Boyes, Richard John; Fischer, Christian Francis; Laus, Charlotte Grace; Stoks, Elmo Benson  
**(74)** Chapman Tripp Patents Limited

**(71)** FISHER & PAYKEL HEALTHCARE LIMITED  
**(11)** AU-A-2024203753  
**(21)** 2024203753 **(22)** 04.06.2024  
**(54)** APPARATUS FOR SUPPLYING GASES TO A PATIENT

**(51)** Int. Cl.  
**A61M 16/16** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2022200662  
**(72)** KRAMER, Martin Paul Friedrich; O'DONNELL, Kevin Peter; TATKOV, Stanislav; CLARK, Therese; BARKER, Dean  
**(74)** AJ PARK

**(71)** FLEXXON PTE. LTD  
**(11)** AU-A-2023266227  
**(21)** 2023266227 **(22)** 13.11.2023  
**(54)** System and method for securing data files

**(51)** Int. Cl.  
**G06F 21/56** ( 2013.01 )  
**G06F 18/22** ( 2023.01 )  
**G06F 21/12** ( 2013.01 )  
**G06F 21/64** ( 2013.01 )  
**G06N 3/02** ( 2006.01 )  
**(31)** 10202260284Y **(32)** 01.12.22 **(33)** SG  
**(43)** 20.06.2024  
**(72)** Mei Ling Chan; Hong Chuan Tan  
**(74)** Cooper IP Pty Ltd

**(71)** FMC Corporation  
**(11)** AU-A-2024203595  
**(21)** 2024203595 **(22)** 29.05.2024  
**(54)** Naphthalene isoxazoline compounds for controlling invertebrate pests

**(51)** Int. Cl.  
**C07D 413/10** ( 2006.01 )  
**A01N 43/80** ( 2006.01 )  
**C07D 261/04** ( 2006.01 )  
**C07D 407/10** ( 2006.01 )  
**C07D 409/10** ( 2006.01 )  
**C07D 417/10** ( 2006.01 )

**(43)** 20.06.2024  
**(62)** 2019217817  
**(72)** XU, Ming; LAHM, George Philip; LONG, Jeffrey Keith  
**(74)** Oxygene IP

**(71)** Footprint International, LLC  
**(11)** AU-A-2024203692  
**(21)** 2024203692 **(22)** 31.05.2024  
**(54)** Methods and apparatus for in-line die cutting of vacuum formed molded pulp containers  
**(51)** Int. Cl.  
**B26D 7/00** ( 2006.01 )  
**B26D 7/24** ( 2006.01 )  
**B26F 1/44** ( 2006.01 )

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- D21J 3/00** ( 2006.01 )  
**D21J 7/00** ( 2006.01 )  
**F26B 3/00** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2018271916  
**(72)** CHUNG, Yoke Dou; LEMBECK, Michael Theodore  
**(74)** Spruson & Ferguson
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- (71)** Gas Services Australia Pty Ltd  
**(11)** AU-A-2024203728  
**(21)** 2024203728 **(22)** 03.06.2024  
**(54)** A BARBECUE ARRANGEMENT  
**(51)** Int. Cl.  
**A47J 37/07** ( 2006.01 )  
**F23N 5/12** ( 2006.01 )  
**F23N 5/14** ( 2006.01 )  
**F23N 5/24** ( 2006.01 )  
**F24C 1/02** ( 2021.01 )  
**F24C 1/16** ( 2006.01 )  
**F24C 3/10** ( 2006.01 )  
**F24C 3/12** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2021317067  
**(72)** KENNETT, Craig; MONSIEUR, Vince  
**(74)** LESICAR MAYNARD ANDREWS PTY LTD
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- (71)** GBIP Pty Ltd  
**(11)** AU-A-2023219903  
**(21)** 2023219903 **(22)** 24.08.2023  
**(54)** AWNING SYSTEM  
**(51)** Int. Cl.  
**E04H 15/06** ( 2006.01 )  
**E04H 15/48** ( 2006.01 )  
**E04H 15/58** ( 2006.01 )  
**E04H 15/64** ( 2006.01 )  
**(31)** 2022903655 **(32)** 01.12.22 **(33)** AU  
**(43)** 20.06.2024  
**(72)** Bloom, Greg  
**(74)** KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD
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- GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD. see WINONE ELEVATOR COMPANY LIMITED**  
**(21)** 2023222853
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- (71)** Gel Cap Technologies, LLC  
**(11)** AU-A-2024203616  
**(21)** 2024203616 **(22)** 29.05.2024  
**(54)** Dual Release Dosage Form Capsule and Methods, Devices and Systems for Making Same  
**(51)** Int. Cl.  
**A61J 3/07** ( 2006.01 )  
**A61K 9/48** ( 2006.01 )  
**A61K 9/52** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2018300075  
**(72)** PUCKETT, John  
**(74)** WRAYS PTY LTD
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- (71)** GEN1E LIFESCIENCES INC.  
**(11)** AU-A-2024203532
- (21)** 2024203532 **(22)** 27.05.2024  
**(54)** CRYSTALLINE 5-(DI-METHYLAMINO)-N-(4-(MORPHOLINOMETHYL)PHENYL)NAPHTHALENE-1-SULFONAMIDE DI-HYDROCHLORIDE DI-HYDRATE  
**(51)** Int. Cl.  
**C07D 295/135** ( 2006.01 )  
**A61K 31/5375** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2021370893  
**(72)** GALAN, Adam; LAL, Ritu; LUO, Wendy  
**(74)** Minter Ellison
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- (71)** Gilead Sciences, Inc.  
**(11)** AU-A-2024203567  
**(21)** 2024203567 **(22)** 28.05.2024  
**(54)** Pyrrolo[1,2-b] pyridazine derivatives  
**(51)** Int. Cl.  
**C07D 487/04** ( 2006.01 )  
**A61K 31/5025** ( 2006.01 )  
**A61P 17/06** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2022246450  
**(72)** AMMANN, Stephen; BACON, Elizabeth M.; BRIZGYS, Gediminas; CHIN, Elbert; CHOU, Chienhung; COTTELL, Jeromy J.; NDUKWE, Marilyn; TAYLOR, James G.; WRIGHT, Nathan E.; YANG, Zheng-Yu; ZIPFEL, Sheila M.  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** Gilead Sciences, Inc.  
**(11)** AU-A-2024203579  
**(21)** 2024203579 **(22)** 29.05.2024  
**(54)** Substituted 6-azabenzimidazole compounds as HPK1 inhibitors  
**(51)** Int. Cl.  
**C07D 471/04** ( 2006.01 )  
**A61K 31/437** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 519/00** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2022218506  
**(72)** SALVO, Patrick J.; SWAMINATHAN, Sundaramoorthi; VAN VELDHUIZEN, Joshua J.; YEUNG, Suet C.; ZABLOCKI, Jeff; BALAN, Gayatri; BARTLETT, Mark J.; CHANDRASEKHAR, Jayaraman; CODELLIA, Julian A.; CONWAY, John H.; COSMAN, Jennifer L.; KALLA, Rao V.; KASUN, Zachary A.; MITCHELL, Scott A.; KIM, Musong; LEE, Seung H.; LO, Jennifer R.; LOYER-DREW, Jennifer A.; PERRY, Thao D.; PHILLIPS, Gary B.  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** Google LLC  
**(11)** AU-A-2024203562  
**(21)** 2024203562 **(22)** 28.05.2024  
**(54)** SURFACE CODE COMPUTATIONS USING AUTO-CCZ QUANTUM STATES  
**(51)** Int. Cl.  
**G06N 10/00** ( 2022.01 )
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- (43)** 20.06.2024  
**(62)** 2022279429  
**(72)** GIDNEY, Craig; FOWLER, Austin Greig  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** Google LLC  
**(11)** AU-A-2024203585  
**(21)** 2024203585 **(22)** 29.05.2024  
**(54)** ASSISTANT DEVICE ARBITRATION USING WEARABLE DEVICE DATA  
**(51)** Int. Cl.  
**G06F 3/01** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2024200648  
**(72)** CHU, Alexander; PEREZ, Jarlan  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** Grant Prideco, Inc.  
**(11)** AU-A-2023254985  
**(21)** 2023254985 **(22)** 26.10.2023  
**(54)** Device, system and method for preventing scale  
**(51)** Int. Cl.  
**C25B 11/02** ( 2021.01 )  
**(31)** 22211659.2 **(32)** 06.12.22 **(33)** EP  
**(43)** 20.06.2024  
**(72)** GHORBANIYAN, Masoud; VARANKO, Yury  
**(74)** Spruson & Ferguson
- 
- (71)** Greyrock Technology, LLC  
**(11)** AU-A-2024203761  
**(21)** 2024203761 **(22)** 04.06.2024  
**(54)** Micro-Scale Process For The Direct Production Of Liquid Fuels From Gaseous Hydrocarbon Resources  
**(51)** Int. Cl.  
**B01J 19/24** ( 2006.01 )  
**C01B 3/34** ( 2006.01 )  
**C01B 3/38** ( 2006.01 )  
**C10G 2/00** ( 2006.01 )  
**C10G 7/00** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2019212752  
**(72)** SCHUETZLE, Robert; SCHUETZLE, Dennis  
**(74)** WRAYS PTY LTD
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- (71)** GUROK HOLDING B.V.  
**(11)** AU-A-2022468832  
**(21)** 2022468832 **(22)** 02.12.2022  
**(54)** RADIATION SHIELDING GLASS HAVING ZINC-BARIUM-BOROSILICATE COMPOSITION  
**(51)** Int. Cl.  
**C03C 4/08** ( 2006.01 )  
**C03C 3/04** ( 2006.01 )  
**C03C 3/066** ( 2006.01 )  
**C03C 3/078** ( 2006.01 )  
**C03C 3/089** ( 2006.01 )  
**(43)** 20.06.2024  
**(72)** KURTULUŞ, Recep; KAVAS, Taner  
**(74)** AJ PARK
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(71) Hagen, T.; Raison, LLC  
 (11) AU-A-2024203527  
 (21) 2024203527 (22) 27.05.2024  
 (54) MICROBIAL INOCULANT COMPOSITIONS AND METHODS  
 (51) Int. Cl.  
*A01H 5/00* ( 2018.01 )  
*A01N 25/02* ( 2006.01 )  
*A01N 57/12* ( 2006.01 )  
*A01N 59/26* ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2018309093  
 (72) HAGEN, Tony  
 (74) Griffith Hack

HARVEY, D. see HARVEY, F.  
 (21) 2024203537

(71) HARVEY, F.; HARVEY, D.  
 (11) AU-A-2024203537  
 (21) 2024203537 (22) 28.05.2024  
 (54) Emergency radio beacon remote activation system  
 (51) Int. Cl.  
*G01S 1/68* ( 2006.01 )  
*G01S 5/00* ( 2006.01 )  
*G08B 5/00* ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2018352466  
 (72) HARVEY, Frederick; HARVEY, Doriette  
 (74) Patenteur Pty Ltd

(71) Heraeus Medical GmbH  
 (11) AU-A-2023255057  
 (21) 2023255057 (22) 30.10.2023  
 (54) Use of a composite material  
 (51) Int. Cl.  
*A61K 33/06* ( 2006.01 )  
*A61K 9/16* ( 2006.01 )  
*A61K 31/7036* ( 2006.01 )  
*A61K 33/10* ( 2006.01 )  
*A61P 19/00* ( 2006.01 )  
 (31) 22211559.4 (32) 06.12.22 (33) EP  
 (43) 20.06.2024  
 (72) Sebastian Vogt; Thomas Kluge  
 (74) Davies Collison Cave Pty Ltd

(71) Hologic, Inc.  
 (11) AU-A-2024203745  
 (21) 2024203745 (22) 04.06.2024  
 (54) Systems and methods for automated preparation of biological specimens  
 (51) Int. Cl.  
*G01N 1/28* ( 2006.01 )  
*G01N 1/31* ( 2006.01 )  
*G01N 35/00* ( 2006.01 )  
*G01N 35/04* ( 2006.01 )  
*G01N 35/10* ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2022218618  
 (72) Hunt, Barry F.; Jenoski, Raymond; Oliva, Ryan; Cordeiro, Michael; Grimes, Eric  
 (74) Davies Collison Cave Pty Ltd

(71) Hologic, Inc.  
 (11) AU-A-2024203746  
 (21) 2024203746 (22) 04.06.2024  
 (54) Systems and methods for automated preparation of biological specimens  
 (51) Int. Cl.  
*G01N 1/28* ( 2006.01 )  
*G01N 1/31* ( 2006.01 )  
*G01N 35/00* ( 2006.01 )  
*G01N 35/04* ( 2006.01 )  
*G01N 35/10* ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2022218618  
 (72) Hunt, Barry F.; Jenoski, Raymond; Oliva, Ryan; Cordeiro, Michael; Grimes, Eric  
 (74) Davies Collison Cave Pty Ltd

(71) Hope Medical Enterprises, Inc. dba Hope Pharmaceuticals  
 (11) AU-A-2024203535  
 (21) 2024203535 (22) 28.05.2024  
 (54) Intradialytic use of sodium nitrite  
 (51) Int. Cl.  
*A61K 31/198* ( 2006.01 )  
*A61K 31/27* ( 2006.01 )  
*A61K 31/65* ( 2006.01 )  
*A61K 33/00* ( 2006.01 )  
*A61P 3/06* ( 2006.01 )  
*A61P 3/10* ( 2006.01 )  
*A61P 9/00* ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2018231016  
 (72) SHERMAN, Craig  
 (74) FB Rice Pty Ltd

(71) Hope Medical Enterprises, Inc. dba Hope Pharmaceuticals  
 (11) AU-A-2024203603  
 (21) 2024203603 (22) 29.05.2024  
 (54) Intradialytic use of sodium thiosulfate  
 (51) Int. Cl.  
*C09K 11/08* ( 2006.01 )  
*C09K 11/64* ( 2006.01 )  
*C09K 11/77* ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2018231072  
 (72) SHERMAN, Craig  
 (74) FB Rice Pty Ltd

(71) Howard, R.  
 (11) AU-A-2023274241  
 (21) 2023274241 (22) 04.12.2023  
 (54) Bin-lid Strap and Clips  
 (51) Int. Cl.  
*B65F 1/14* ( 2006.01 )  
*B65F 1/16* ( 2006.01 )  
 (31) 2022903673 (32) 02.12.22 (33) AU  
 (43) 20.06.2024  
 (72) Howard, Ronald  
 (74) LESICAR MAYNARD ANDREWS PTY LTD

(71) Howe, S.  
 (11) AU-A-2022283639  
 (21) 2022283639 (22) 05.12.2022

(54) TRAIN COLLISION OBSTRUCTION REMOVAL AND PEDESTRIAN IMPACT MITIGATION SYSTEM  
 (51) Int. Cl.  
*B61L 23/00* ( 2006.01 )  
*B61L 23/04* ( 2006.01 )  
*G06Q 50/40* ( 2024.01 )  
*G06N 20/00* ( 2019.01 )  
 (43) 20.06.2024  
 (72) Howe, Stephen  
 (74) Stephen Joseph Howe

(71) Huawei Technologies Co., Ltd.  
 (11) AU-A-2024203533  
 (21) 2024203533 (22) 28.05.2024  
 (54) SIGNALING INFORMATION EXCHANGE METHOD AND COMMUNICATION APPARATUS IN WIRELESS LOCAL AREA NETWORK  
 (51) Int. Cl.  
*H04W 72/04* ( 2023.01 )  
*H04W 76/15* ( 2018.01 )  
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 (62) 2021281967  
 (72) Gan, Ming; Liang, Dandan; Yu, Jian; Li, Yunbo; Guo, Yuchen; Yang, Xun; Li, Yiqing  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) IGT  
 (11) AU-A-2024203700  
 (21) 2024203700 (22) 03.06.2024  
 (54) GAMING SYSTEM AND METHOD FOR UTILIZING A MOBILE DEVICE TO FUND A GAMING SESSION  
 (51) Int. Cl.  
*A63F 13/30* ( 2014.01 )  
*A63F 13/55* ( 2014.01 )  
 (43) 20.06.2024  
 (62) 2022202449  
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 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Imagine Intelligent Materials Ltd  
 (11) AU-A-2024203667  
 (21) 2024203667 (22) 31.05.2024  
 (54) GEOSYNTHETIC SENSOR ARRAY  
 (51) Int. Cl.  
*G01B 7/00* ( 2006.01 )  
*E02D 31/00* ( 2006.01 )  
*G01L 1/00* ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2018303344  
 (72) AITCHISON, Phillip  
 (74) Franke Hyland Pty Ltd

(71) Infant Health, Inc  
 (11) AU-A-2024203621  
 (21) 2024203621 (22) 30.05.2024  
 (54) A transient commensal microorganism for improving gut health

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**A61K 35/745** ( 2015.01 )  
**A61K 31/00** ( 2006.01 )  
**A61K 31/70** ( 2006.01 )  
**A61K 31/702** ( 2006.01 )  
**A61K 35/00** ( 2006.01 )  
**A61K 35/74** ( 2015.01 )
- (43) 20.06.2024  
(62) 2017230187  
(72) Kyle, David; Freeman-Sharkey, Samara; Frese, Steven  
(74) Pearce IP Pty Ltd
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- (71) Inhibrx, Inc.  
(11) AU-A-2024203586  
(21) 2024203586 (22) 29.05.2024  
(54) Serpin fusion polypeptides and methods of use thereof
- (51) Int. Cl.  
**A61P 37/00** ( 2006.01 )  
**C07K 16/00** ( 2006.01 )
- (43) 20.06.2024  
(62) 2021240153  
(72) ECKELMAN, Brendan P.; TIMMER, John C.; DEVERAUX, Quinn  
(74) FPA Patent Attorneys Pty Ltd
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- (71) Inovio Pharmaceuticals, Inc.; The Trustees of the University of Pennsylvania; The Wistar Institute of Anatomy and Biology  
(11) AU-A-2024203524  
(21) 2024203524 (22) 27.05.2024  
(54) Filovirus consensus antigens, nucleic acid constructs and vaccines made therefrom, and methods of using same
- (51) Int. Cl.  
**A61K 35/76** ( 2015.01 )  
**A61K 39/12** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
**A61P 37/04** ( 2006.01 )
- (43) 20.06.2024  
(62) 2017261306  
(72) WEINER, David B.; PATEL, Ami; YAN, Jian  
(74) FB Rice Pty Ltd
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- (71) International AIDS Vaccine Initiative; The Scripps Research Institute; Theracclone Sciences, Inc.  
(11) AU-A-2024203628  
(21) 2024203628 (22) 30.05.2024  
(54) Human immunodeficiency virus (HIV)-neutralizing antibodies
- (51) Int. Cl.  
**C07K 16/00** ( 2006.01 )  
**A61K 39/42** ( 2006.01 )
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(62) 2023237056  
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- LEMOS, Melissa Danielle De Jean De St. Marcel  
(74) FB Rice Pty Ltd
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- Intezyne Technologies, Inc. see Vojkovsky, T.  
(21) 2024203511
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- (71) Intuit Inc.  
(11) AU-A-2023251460  
(21) 2023251460 (22) 18.10.2023  
(54) Topic focused related entity extraction
- (51) Int. Cl.  
**G06F 40/295** ( 2020.01 )  
**G06F 16/93** ( 2019.01 )  
**G06N 20/00** ( 2019.01 )
- (31) 17/994,854 (32) 28.11.22 (33) US  
(43) 20.06.2024  
(72) Ghosh, Pallabi; Gupta, Sparsh  
(74) Davies Collison Cave Pty Ltd
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- JD Sitemax Pty Ltd see Scafclad Pty Ltd  
(21) 2024203645
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- (71) JINKO SOLAR (HAINING) CO., LTD.  
(11) AU-A-2023312379  
(21) 2023312379 (22) 10.10.2023  
(54) SOLAR CELL AND PHOTOVOLTAIC MODULE
- (51) Int. Cl.  
**H01L 31/02** ( 2006.01 )  
**H01L 31/0224** ( 2006.01 )
- (31) 202223317662.0 (32) 06.12.22 (33) CN  
(43) 20.06.2024  
(72) ZHAO, Zijie; HUANG, Shiliang; GUO, Zhiqiu  
(74) Madderns Pty Ltd
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- (71) Joy Global Underground Mining LLC  
(11) AU-A-2023274200  
(21) 2023274200 (22) 01.12.2023  
(54) Guide shoe for mining machine
- (51) Int. Cl.  
**E21C 35/12** ( 2006.01 )  
**E21C 29/22** ( 2006.01 )
- (31) 63/429,440 (32) 01.12.22 (33) US  
(43) 20.06.2024  
(72) Ryan E. Perry  
(74) Griffith Hack
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- (71) Joy Global Underground Mining LLC  
(11) AU-A-2024203606  
(21) 2024203606 (22) 29.05.2024  
(54) Chain conveyor link
- (51) Int. Cl.  
**B65G 17/00** ( 2006.01 )  
**B65G 17/06** ( 2006.01 )  
**B65G 19/04** ( 2006.01 )  
**B65G 19/20** ( 2006.01 )  
**B65G 19/24** ( 2006.01 )  
**B65G 19/26** ( 2006.01 )
- (43) 20.06.2024  
(62) 2018231178  
(72) Walker, Aaron Philip; Stewart, Christopher George  
(74) Griffith Hack
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- (71) Juno Therapeutics, Inc.  
(11) AU-A-2024202225  
(21) 2024202225 (22) 07.04.2024  
(54) Methods and compositions for adoptive cell therapy
- (51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**C07K 14/705** ( 2006.01 )  
**C07K 14/725** ( 2006.01 )
- (43) 20.06.2024  
(62) 2020281158  
(72) Gilbert, Mark J.  
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) King Technology Inc.  
(11) AU-A-2024203590  
(21) 2024203590 (22) 29.05.2024  
(54) DISPENSING SYSTEM
- (51) Int. Cl.  
**E04H 4/12** ( 2006.01 )  
**B01D 17/12** ( 2006.01 )  
**E04H 4/16** ( 2006.01 )
- (43) 20.06.2024  
(62) 2018316279  
(72) Guy, David; Goeman, Terry; Johnson, Jeffrey; Freeberg, Paul; Enderson, Lyle; Swagel, Darrin; Barton, Eric  
(74) Anderson-Taylor & Associates
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- Komatsu Ltd. see Toyota Jidosha Kaishiki Kaisha  
(21) 2023270288
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- (71) Kyocera Corporation  
(11) AU-A-2024203750  
(21) 2024203750 (22) 04.06.2024  
(54) Method of manufacturing artificial joint stem
- (51) Int. Cl.  
**A61F 2/30** ( 2006.01 )
- (43) 20.06.2024  
(62) 2020449757  
(72) NODA, Iwao  
(74) FB Rice Pty Ltd
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- (71) L3Harris Technologies, Inc.  
(11) AU-A-2023263459  
(21) 2023263459 (22) 08.11.2023  
(54) RADIO FREQUENCY (RF) COMMUNICATIONS SYSTEM HAVING RF NODES THAT DETERMINE A DESPREADING SEQUENCE AND PHASE AND TIMING OFFSETS FOR FREQUENCY AGILITY
- (51) Int. Cl.  
**H04B 1/7075** ( 2011.01 )  
**H04B 1/7073** ( 2011.01 )  
**H04B 7/26** ( 2006.01 )  
**H04J 13/00** ( 2011.01 )

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**H04L 27/00** ( 2006.01 )  
**(31)** 2018/060612 **(32)** 01.12.22 **(33)** US  
**(43)** 20.06.2024  
**(72)** Nicholas T YASKOFF; Marc A PA-DILLA; David M ARNESEN  
**(74)** Maxwells Patent & Trade Mark Attorneys Pty Ltd

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**(71)** Lamb Weston, Inc.  
**(11)** AU-A-2024203684  
**(21)** 2024203684 **(22)** 31.05.2024  
**(54)** Food article defect removal apparatus  
**(51)** Int. Cl.  
**B07C 5/36** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2022204416  
**(72)** KLEIN, Phillip; MELLOR, Kevin; RHYNALDS, Chris  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** LG Electronics Inc.  
**(11)** AU-A-2024203547  
**(21)** 2024203547 **(22)** 28.05.2024  
**(54)** IMAGE CODING METHOD BASED ON TRANSFORM, AND DEVICE THEREFOR  
**(51)** Int. Cl.

**H04N 19/61** ( 2014.01 )  
**H04N 19/12** ( 2014.01 )  
**H04N 19/132** ( 2014.01 )  
**H04N 19/18** ( 2014.01 )  
**H04N 19/186** ( 2014.01 )  
**H04N 19/70** ( 2014.01 )  
**(43)** 20.06.2024  
**(62)** 2020375518  
**(72)** KOO, Moonmo; KIM, Seunghwan; LIM, Jaehyun  
**(74)** Dentons Patent Attorneys Australasia Limited

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**(71)** LG Electronics Inc.  
**(11)** AU-A-2024203549  
**(21)** 2024203549 **(22)** 28.05.2024  
**(54)** IMAGE ENCODING/DECODING METHOD AND DEVICE FOR PERFORMING BDOF, AND METHOD FOR TRANSMITTING BITSTREAM  
**(51)** Int. Cl.

**H04N 19/573** ( 2014.01 )  
**H04N 19/109** ( 2014.01 )  
**H04N 19/132** ( 2014.01 )  
**H04N 19/176** ( 2014.01 )  
**H04N 19/513** ( 2014.01 )  
**(43)** 20.06.2024  
**(62)** 2020347025  
**(72)** PARK, Nae Ri; NAM, Jung Hak; JANG, Hyeong Moon; KIM, Seung Hwan  
**(74)** Dentons Patent Attorneys Australasia Limited

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**(71)** LG Electronics Inc.  
**(11)** AU-A-2024203561  
**(21)** 2024203561 **(22)** 28.05.2024  
**(54)** TRANSFORM IN INTRA PREDICTION-BASED IMAGE CODING  
**(51)** Int. Cl.  
**H04N 19/159** ( 2014.01 )

**H04N 19/119** ( 2014.01 )  
**H04N 19/132** ( 2014.01 )  
**H04N 19/18** ( 2014.01 )  
**H04N 19/593** ( 2014.01 )  
**H04N 19/70** ( 2014.01 )  
**(43)** 20.06.2024  
**(62)** 2023208134  
**(72)** NAM, Junghak; LIM, Jaehyun; KOO, Moonmo; KIM, Seunghwan  
**(74)** Dentons Patent Attorneys Australasia Limited

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**(71)** LG Electronics Inc.  
**(11)** AU-A-2024203615  
**(21)** 2024203615 **(22)** 29.05.2024  
**(54)** Vacuum cleaner nozzle  
**(51)** Int. Cl.  
**A47L 11/20** ( 2006.01 )  
**A47L 9/06** ( 2006.01 )  
**A47L 11/202** ( 2006.01 )  
**A47L 11/40** ( 2006.01 )

**(43)** 20.06.2024  
**(62)** 2022215179  
**(72)** RYU, Jungwan; KO, Moohyun; SHIN, Jinhyouk; YANG, Ingyu  
**(74)** FB Rice Pty Ltd

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**(71)** LIER CHEMICAL CO., LTD.  
**(11)** AU-A-2023331400  
**(21)** 2023331400 **(22)** 24.03.2023  
**(54)** PREPARATION METHOD FOR GLUFOSINATE OR DERIVATIVE THEREOF  
**(51)** Int. Cl.  
**C07F 9/30** ( 2006.01 )  
**(31)** 202211545734.9 **(32)** 02.12.22 **(33)** CN  
**(43)** 20.06.2024  
**(72)** LI, Yuedong; LIU, Yongjiang; QIN, Yuting; ZUO, Xiang; CHENG, Ke; ZENG, Xiaoliang; YIN, Yingsui  
**(74)** FB Rice Pty Ltd

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**(71)** Lyndra Therapeutics, Inc.  
**(11)** AU-A-2024203792  
**(21)** 2024203792 **(22)** 05.06.2024  
**(54)** Encapsulation of gastric residence systems  
**(51)** Int. Cl.

**A61J 3/07** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 9/20** ( 2006.01 )  
**A61K 9/22** ( 2006.01 )  
**A61K 9/48** ( 2006.01 )  
**A61K 9/52** ( 2006.01 )  
**A61K 31/00** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2018337837  
**(72)** GRANT, Tyler; RYDE, Erik Robert Waldemar; KNOX, Raymond Patrick; BISHOFF, Megan  
**(74)** FB Rice Pty Ltd

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**(71)** MAKO Surgical Corp.  
**(11)** AU-A-2024203729  
**(21)** 2024203729 **(22)** 03.06.2024

**(54)** Robotic system and method for producing reactive forces to implement virtual boundaries  
**(51)** Int. Cl.  
**B25J 9/16** ( 2006.01 )  
**A61B 18/00** ( 2006.01 )  
**A61B 34/00** ( 2016.01 )  
**A61B 34/10** ( 2016.01 )  
**A61B 34/20** ( 2016.01 )  
**A61B 34/30** ( 2016.01 )  
**G06F 3/01** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2018282197  
**(72)** Bowling, David Gene  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** Matortho Limited  
**(11)** AU-A-2024203758  
**(21)** 2024203758 **(22)** 04.06.2024  
**(54)** Improvements In Or Relating To Ceramic Femoral Resurfacing Head Prosthesis  
**(51)** Int. Cl.  
**A61F 2/36** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2018361710  
**(72)** COLLINS, Simon; TAYLOR, Andrew Clive; TUKE, Michael Anthony; CAR-RASCO, Carolina Avila  
**(74)** Patentec Patent Attorneys

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**(71)** Matthews, P.  
**(11)** AU-A-2023274077  
**(21)** 2023274077 **(22)** 27.11.2023  
**(54)** A Marine Safety Ladder  
**(51)** Int. Cl.  
**E06C 9/08** ( 2006.01 )  
**E06C 9/06** ( 2006.01 )  
**B63B 27/14** ( 2006.01 )  
**B63C 9/28** ( 2006.01 )  
**(31)** 2022903691 **(32)** 03.12.22 **(33)** AU  
**(43)** 20.06.2024  
**(72)** Paul Matthews  
**(74)** Shannon Charles Baier-Dry

---

**(71)** Medshine Discovery Inc.  
**(11)** AU-A-2024203702  
**(21)** 2024203702 **(22)** 03.06.2024  
**(54)** DEUTERATED NUCLEOSIDE COMPOUNDS AND USE THEREOF  
**(51)** Int. Cl.  
**C07D 487/04** ( 2006.01 )  
**A61K 31/53** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2023272140  
**(72)** Li, Peng; Li, Xiaolin; Yang, Yaxun; Luo, Zhi; He, Haiying; Chen, Shuhui  
**(74)** PHILLIPS ORMONDE FITZPATRICK

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**(71)** Medshine Discovery Inc.  
**(11)** AU-A-2024203703  
**(21)** 2024203703 **(22)** 03.06.2024  
**(54)** DEUTERATED NUCLEOSIDE COMPOUNDS AND USE THEREOF  
**(51)** Int. Cl.  
**C07D 487/04** ( 2006.01 )



Applications Open to Public Inspection - Name Index cont'd

**A61K 31/53** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2023272140  
**(72)** Li, Peng; Li, Xiaolin; Yang, Yaxun; Luo, Zhi; He, Haiying; Chen, Shuhui  
**(74)** PHILLIPS ORMONDE FITZPATRICK

---

**(71)** Merck Patent GmbH  
**(11)** AU-A-2024203629  
**(21)** 2024203629 **(22)** 30.05.2024  
**(54)** TLR7/8 antagonists and uses thereof  
**(51)** Int. Cl.  
**C07D 401/04** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 401/14** ( 2006.01 )  
**C07D 405/14** ( 2006.01 )  
**C07D 409/14** ( 2006.01 )  
**C07D 413/14** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )  
**C07D 471/10** ( 2006.01 )  
**C07D 495/10** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2019313441  
**(72)** SHERER, Brian; LAN, Ruoxi; BRUGGER, Nadia; CHEN, Xiaoling; TOURE, Momar; CLEARY, Esther; DESELM, Lizbeth Celeste; WANG, Yanping  
**(74)** Griffith Hack

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**(71)** Meso Scale Technologies, LLC  
**(11)** AU-A-2024203749  
**(21)** 2024203749 **(22)** 04.06.2024  
**(54)** Assay Apparatuses, Methods and Reagents  
**(51)** Int. Cl.  
**G01N 21/75** ( 2006.01 )  
**C40B 60/12** ( 2006.01 )  
**G01J 1/20** ( 2006.01 )  
**G01N 21/76** ( 2006.01 )  
**G01N 27/26** ( 2006.01 )  
**G02B 7/36** ( 2021.01 )  
**(43)** 20.06.2024  
**(62)** 2022200189  
**(72)** Chamberlin, Ian; Clinton, Charles M.; Glezer, Eli N.; Jeffrey-Coker, Bandede; Kochar, Manish; Kovacs, Sandor; Le, D.T.; Leimkuehler, Aaron; Sigal, George; Tabakin, Leo; Willoughby, Jon  
**(74)** Chrysilou IP

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**(71)** Minnetronix Neuro, Inc.  
**(11)** AU-A-2024203571  
**(21)** 2024203571 **(22)** 28.05.2024  
**(54)** Filtering systems and filtering manifolds for use with filtering systems  
**(51)** Int. Cl.  
**A61M 1/00** ( 2006.01 )  
**A61M 27/00** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2021282339  
**(72)** JONES, Justin Charles; HILL, Matthew John; JOHNSON, Elizabeth Christine; ANDREAS, Brett Jacob; SHEEHAN, Lucas John; MUEGGENBERG, Nathan; KNIGHT-SCOTT, Chase; DEROOD, David John  
**(74)** Spruson & Ferguson

**ML Sitemax Pty Ltd see Scafclad Pty Ltd**  
**(21)** 2024203645

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**Moleculin Biotech, Inc. see Board of Regents, The University of Texas System**  
**(21)** 2024203598

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**(71)** National Science and Technology Development Agency; Software Isara Ordinary Partnership  
**(11)** AU-A-2024203613  
**(21)** 2024203613 **(22)** 29.05.2024  
**(54)** System for recording, analyzing risk(s) of accident(s) or need of assistance and providing real-time warning(s) based on continuous sensor signals  
**(51)** Int. Cl.  
**G16H 50/30** ( 2018.01 )  
**(43)** 20.06.2024  
**(62)** 2022203004  
**(72)** THIEMJARUS, Surapa; ANANTAV-RASILP, Isara  
**(74)** Griffith Hack

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**(71)** Nell, J.  
**(11)** AU-A-2024203572  
**(21)** 2024203572 **(22)** 28.05.2024  
**(54)** A MOULD  
**(51)** Int. Cl.  
**F25C 1/246** ( 2018.01 )  
**(43)** 20.06.2024  
**(62)** 2018308163  
**(72)** NELL, Johannes  
**(74)** Alder IP Pty Ltd

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**(71)** New York Stem Cell Foundation, Inc.  
**(11)** AU-A-2024203546  
**(21)** 2024203546 **(22)** 28.05.2024  
**(54)** Automated system for producing induced pluripotent stem cells or differentiated cells  
**(51)** Int. Cl.  
**C12N 5/00** ( 2006.01 )  
**C12N 5/02** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2021212081  
**(72)** EGGAN, Kevin; SOLOMON, Susan L.; CHANG, Stephen; NOGGLE, Scott  
**(74)** FB Rice Pty Ltd

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**(71)** Nicoventures Trading Limited  
**(11)** AU-A-2024203575  
**(21)** 2024203575 **(22)** 28.05.2024  
**(54)** Aerosol generating device  
**(51)** Int. Cl.  
**A24F 47/00** ( 2020.01 )  
**A61M 11/04** ( 2006.01 )  
**A61M 15/06** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2022275522  
**(72)** MOLONEY, Patrick; CHAN, Justin Han Yang  
**(74)** Spruson & Ferguson

**(71)** Norbar Torque Tools Limited  
**(11)** AU-A-2023270254  
**(21)** 2023270254 **(22)** 22.11.2023  
**(54)** Cooling electronics of power tools  
**(51)** Int. Cl.  
**B25F 5/02** ( 2006.01 )  
**B25F 5/00** ( 2006.01 )  
**(31)** 18/073,109 **(32)** 01.12.22 **(33)** US  
**(43)** 20.06.2024  
**(72)** Matthew TONGUE; Richard RADINI  
**(74)** Griffith Hack

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**(71)** NOVAPHOS GYPSUM TECHNOLOGY LLC  
**(11)** AU-A-2024203759  
**(21)** 2024203759 **(22)** 04.06.2024  
**(54)** Methods for forming silicates of calcium  
**(51)** Int. Cl.  
**C01B 33/24** ( 2006.01 )  
**C01F 11/00** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2022335439  
**(72)** BLAKE, David B.; VIGNOVIC, Mark  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** NuCana plc  
**(11)** AU-A-2024203637  
**(21)** 2024203637 **(22)** 30.05.2024  
**(54)** Formulations of phosphoramidate derivatives of nucleoside drugs  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 9/08** ( 2006.01 )  
**A61K 31/7072** ( 2006.01 )  
**A61K 31/7076** ( 2006.01 )  
**A61K 47/20** ( 2006.01 )  
**A61K 47/22** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2022211797  
**(72)** KENNOVIN, Gordon; GRIFFITH, Hugh  
**(74)** AJ PARK

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**(71)** Nunhems B.V.  
**(11)** AU-A-2022279514  
**(21)** 2022279514 **(22)** 01.12.2022  
**(54)** Lettuce Variety NUN 06529 LTL  
**(51)** Int. Cl.  
**A01H 6/14** ( 2018.01 )  
**A01H 1/00** ( 2006.01 )  
**A01H 5/10** ( 2018.01 )  
**A01H 5/12** ( 2018.01 )  
**(43)** 20.06.2024  
**(72)** Munoz Munoz, Juan Francisco  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** Nunhems B.V.  
**(11)** AU-A-2022279515  
**(21)** 2022279515 **(22)** 01.12.2022  
**(54)** Lettuce Variety NUN 09188 LTL  
**(51)** Int. Cl.  
**A01H 6/14** ( 2018.01 )  
**A01H 1/00** ( 2006.01 )  
**A01H 5/10** ( 2018.01 )  
**A01H 5/12** ( 2018.01 )

Applications Open to Public Inspection - Name Index cont'd

(43) 20.06.2024  
(72) van Zee, Johan  
(74) Davies Collison Cave Pty Ltd

(71) Nunhems B.V.  
(11) AU-A-2022279516  
(21) 2022279516 (22) 01.12.2022  
(54) Lettuce Variety NUN 09174 LTL  
(51) Int. Cl.  
A01H 6/14 ( 2018.01 )  
A01H 1/00 ( 2006.01 )  
A01H 5/10 ( 2018.01 )  
A01H 5/12 ( 2018.01 )  
(43) 20.06.2024  
(72) van Zee, Johan  
(74) Davies Collison Cave Pty Ltd

(71) Nuoya Robot (Zhejiang) Co., Ltd.  
(11) AU-A-2024203736  
(21) 2024203736 (22) 03.06.2024  
(54) Water surface cleaning robot  
(51) Int. Cl.  
E02B 15/10 ( 2006.01 )  
B63B 35/32 ( 2006.01 )  
B63B 43/18 ( 2006.01 )  
(43) 20.06.2024  
(62) 2020419005  
(72) WU, Yajun; FAN, Xinyue; LI, Jingming;  
TAN, Hongwe  
(74) Spruson & Ferguson

(71) OLYMPUS Winter & Ibe GmbH  
(11) AU-A-2023203789  
(21) 2023203789 (22) 16.06.2023  
(54) ADAPTER FOR CONNECTING AN  
ENDOSCOPE WITH AN AIR SUP-  
PLY CONNECTOR OF A STORAGE  
CABINET, STORAGE CABINET, EN-  
DOSCOPE STORAGE SYSTEM AND  
METHODS FOR CONNECTING AND  
DISCONNECTING AN ADAPTER TO A  
STORAGE CABINET  
(51) Int. Cl.  
A61B 50/30 ( 2016.01 )  
A61B 1/012 ( 2006.01 )  
A61B 90/70 ( 2016.01 )  
A61B 90/98 ( 2016.01 )  
(31) 63/429,251 (32) 01.12.22 (33) US  
(43) 20.06.2024  
(72) SCHROEDER, Stefan  
(74) Integrated IP

(71) OPUM Technologies Limited  
(11) AU-A-2024203541  
(21) 2024203541 (22) 28.05.2024  
(54) Orthosis or Exoskeleton System with  
Modular Elements  
(51) Int. Cl.  
A61F 5/01 ( 2006.01 )  
A61H 1/02 ( 2006.01 )  
A61H 3/00 ( 2006.01 )  
B25J 9/00 ( 2006.01 )  
(43) 20.06.2024  
(62) 2018290187  
(72) McDaid, Andrew John; Grant, William  
Edwin John  
(74) James & Wells Intellectual Property

(71) Oracle International Corporation  
(11) AU-A-2024203584  
(21) 2024203584 (22) 29.05.2024  
(54) INTEGRATING A BLOCKCHAIN  
LEDGER WITH AN APPLICATION  
EXTERNAL TO THE BLOCKCHAIN  
LEDGER  
(51) Int. Cl.  
G06Q 30/06 ( 2023.01 )  
(43) 20.06.2024  
(62) 2019202955  
(72) Haimes, David Joseph; Little, Jeffery  
(74) Pizzeyes Patent and Trade Mark Attor-  
neys Pty Ltd

(71) Otsuka Pharmaceutical Co., Ltd.  
(11) AU-A-2024203760  
(21) 2024203760 (22) 04.06.2024  
(54) Heterocyclic compound  
(51) Int. Cl.  
C07D 498/14 ( 2006.01 )  
A61K 31/519 ( 2006.01 )  
A61P 7/04 ( 2006.01 )  
C07D 513/14 ( 2006.01 )  
(43) 20.06.2024  
(62) 2019335968  
(72) OHDACHI, Kazuhiro; FUJIMORI,  
Yusuke; MAKITA, Naoya; KOSEKI, Nor-  
itaka; HAYASHI, Hideki; SAKAMOTO,  
Yuki; MINENO, Kurumi; TAGA,  
Ryosuke  
(74) Davies Collison Cave Pty Ltd

(71) OXTI Pte Ltd  
(11) AU-A-2022283675  
(21) 2022283675 (22) 06.12.2022  
(54) DISPLAY SYSTEM WITH INTEG-  
RATED ARM AND SPEAKER  
(51) Int. Cl.  
F16M 11/04 ( 2006.01 )  
F16M 11/10 ( 2006.01 )  
F16M 11/12 ( 2006.01 )  
F16M 11/20 ( 2006.01 )  
F16M 13/02 ( 2006.01 )  
G06F 1/16 ( 2006.01 )  
H04R 1/02 ( 2006.01 )  
(43) 20.06.2024  
(72) Ho, Chih-Feng  
(74) Alfred Lei

(71) OXTI Pte Ltd  
(11) AU-A-2022283676  
(21) 2022283676 (22) 06.12.2022  
(54) ELECTRONIC DEVICE WITH MOV-  
ABLE SOUND SOURCE  
(51) Int. Cl.  
H04R 5/02 ( 2006.01 )  
G06F 1/16 ( 2006.01 )  
H04R 1/28 ( 2006.01 )  
(43) 20.06.2024  
(72) Ho, Chih-Feng  
(74) Alfred Lei

(71) OXTI Pte Ltd  
(11) AU-A-2022283677

(21) 2022283677 (22) 06.12.2022  
(54) NECKLACE EARPHONES  
(51) Int. Cl.  
H04R 25/00 ( 2006.01 )  
A44C 15/00 ( 2006.01 )  
H04R 1/46 ( 2006.01 )  
H04R 5/033 ( 2006.01 )  
H04R 9/04 ( 2006.01 )  
(43) 20.06.2024  
(72) Ho, Chih-Feng  
(74) Alfred Lei

(71) OXTI Pte Ltd  
(11) AU-A-2022283678  
(21) 2022283678 (22) 06.12.2022  
(54) WRISTBAND FOR EARPHONE  
PLACEMENT  
(51) Int. Cl.  
H04R 1/10 ( 2006.01 )  
A41D 20/00 ( 2006.01 )  
A45F 5/02 ( 2006.01 )  
(43) 20.06.2024  
(72) Ho, Chih-Feng  
(74) Alfred Lei

(71) OXTI Pte Ltd  
(11) AU-A-2022283679  
(21) 2022283679 (22) 06.12.2022  
(54) LOUDSPEAKER CABINET-ATTACHED  
FOLDING SCREEN STRUCTURE  
(51) Int. Cl.  
H04R 1/02 ( 2006.01 )  
H04R 1/04 ( 2006.01 )  
H04R 1/34 ( 2006.01 )  
H04R 5/02 ( 2006.01 )  
(43) 20.06.2024  
(72) Ho, Chih-Feng  
(74) Alfred Lei

(71) Palmaya Pty Ltd  
(11) AU-A-2024203640  
(21) 2024203640 (22) 30.05.2024  
(54) Syringe Infusion Devices And Systems  
For Delivery Of Active Agents  
(51) Int. Cl.  
A61M 5/145 ( 2006.01 )  
(43) 20.06.2024  
(62) 2022203870  
(72) O'Neil, Alexander George Brian  
(74) WRAYS PTY LTD

(71) Paloma Co., Ltd.  
(11) AU-A-2023270320  
(21) 2023270320 (22) 24.11.2023  
(54) Gas distribution unit and water heater  
(51) Int. Cl.  
F23K 5/00 ( 2006.01 )  
F23D 14/48 ( 2006.01 )  
(31) 2022-193057 (32) 01.12.22 (33) JP  
(43) 20.06.2024  
(72) Yusuke KAKIZAKI  
(74) Spruson & Ferguson

(71) Paloma Co., Ltd.  
(11) AU-A-2023270321  
(21) 2023270321 (22) 24.11.2023

Applications Open to Public Inspection - Name Index cont'd

(54) Combustion device and water heater  
 (51) Int. Cl.  
**F23K 5/00** ( 2006.01 )  
 (31) 2022-193058 (32) 01.12.22 (33) JP  
 (43) 20.06.2024  
 (72) Yusuke KAKIZAKI  
 (74) Spruson & Ferguson

(71) PETROLIAM NASIONAL BERHAD  
 (PETRONAS); DALIAN INSTITUTE  
 OF CHEMICAL PHYSICS, CHINESE  
 ACADEMY OF SCIENCES  
 (11) AU-A-2022440627  
 (21) 2022440627 (22) 30.11.2022  
 (54) A SYSTEM AND METHOD FOR RE-  
 MOVING ACIDIC GAS FROM A POST  
 COMBUSTION PROCESS STREAM  
 (51) Int. Cl.  
**B01D 53/00** ( 2006.01 )  
 (43) 20.06.2024  
 (72) KHALIT, Siti Hajar Bt; QUEK, Ven Chi-  
 an; ROSTANI, Khairul B; CAO, Yiming;  
 KANG, Guodong  
 (74) Madderns Pty Ltd

(71) Pharmacosmos Holding A/S  
 (11) AU-A-2024203596  
 (21) 2024203596 (22) 29.05.2024  
 (54) Iron complex compounds for therapeu-  
 tic use  
 (51) Int. Cl.  
**A61K 47/26** ( 2006.01 )  
**A61K 33/26** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2018328052  
 (72) CHRISTENSEN, Tobias S.; AN-  
 DREASEN, Hans B.  
 (74) FB Rice Pty Ltd

(71) PharmaPrint Limited LLC  
 (11) AU-A-2024203747  
 (21) 2024203747 (22) 04.06.2024  
 (54) System and method for producing phar-  
 maceutical objects via 3D printing  
 (51) Int. Cl.  
**A61J 3/06** ( 2006.01 )  
**B29C 64/20** ( 2017.01 )  
 (43) 20.06.2024  
 (62) 2018265303  
 (72) Freiderikos, Achillefs; Theodosopoulos,  
 Konstantinos; Heinze, Arne-Patrik  
 (74) Griffith Hack

(71) Pickdelso Oy  
 (11) AU-A-2023200836  
 (21) 2023200836 (22) 14.02.2023  
 (54) Arrangement for towing cart into trunk  
 (51) Int. Cl.  
**B60P 1/64** ( 2006.01 )  
**B60P 1/43** ( 2006.01 )  
**B60P 3/06** ( 2006.01 )  
**B66D 1/00** ( 2006.01 )  
 (31) FI20227039 (32) 18.03.22 (33) FI  
 (43) 20.06.2024  
 (72) Saviranta, Tapio  
 (74) Tapio Saviranta

(71) Plum Safety ApS  
 (11) AU-A-2023275017  
 (21) 2023275017 (22) 05.12.2023  
 (54) Plaster dispenser  
 (51) Int. Cl.  
**A61F 15/00** ( 2006.01 )  
**B65D 83/08** ( 2006.01 )  
 (31) 22211293.0 (32) 05.12.22 (33) EP  
 (43) 20.06.2024  
 (72) BARKHOLT, Bo Winther  
 (74) BOSH IP Pty Ltd

(71) Polaris Industries Inc.  
 (11) AU-A-2024203607  
 (21) 2024203607 (22) 29.05.2024  
 (54) Autonomous ready vehicle and access-  
 ory devices for such vehicle  
 (51) Int. Cl.  
**G05D 1/00** ( 2006.01 )  
**G07C 9/00** ( 2020.01 )  
 (43) 20.06.2024  
 (62) 2022202756  
 (72) Malone, Amber P.; Koenig, David J.;  
 Blair, Kevin P.; Weldon, Patrick D.;  
 Sytsma, Cole A.  
 (74) Griffith Hack

(71) Pot Pirate Pty Ltd  
 (11) AU-A-2023274101  
 (21) 2023274101 (22) 28.11.2023  
 (54) SECURITY SYSTEM FOR SUBMERS-  
 IBLE FISH TRAPS  
 (51) Int. Cl.  
**G08B 13/14** ( 2006.01 )  
**A01K 69/06** ( 2006.01 )  
**G08B 13/189** ( 2006.01 )  
**G08B 13/19** ( 2006.01 )  
**G08B 13/20** ( 2006.01 )  
**G08B 21/18** ( 2006.01 )  
 (31) 2022903836 (32) 14.12.22 (33) AU  
 2022903727 06.12.22 AU  
 (43) 20.06.2024  
 (72) James Morgan  
 (74) Mann IP

(71) Pratt Retail Specialties, LLC  
 (11) AU-A-2024203770  
 (21) 2024203770 (22) 04.06.2024  
 (54) Modular Box Assembly  
 (51) Int. Cl.  
**B65D 1/22** ( 2006.01 )  
**A61J 1/16** ( 2023.01 )  
**B65D 5/00** ( 2006.01 )  
**B65D 5/24** ( 2006.01 )  
**B65D 5/42** ( 2006.01 )  
**B65D 5/56** ( 2006.01 )  
**B65D 37/00** ( 2006.01 )  
**B65D 81/38** ( 2006.01 )  
**F25D 23/00** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2018260920  
 (72) Ott, Paul; Waltermire, Jamie; Sollie,  
 Greg  
 (74) Golja Haines & Friend

(71) Pride Mobility Products Corporation  
 (11) AU-A-2024203566

(21) 2024203566 (22) 28.05.2024  
 (54) Mobility vehicle  
 (51) Int. Cl.  
**B62D 5/04** ( 2006.01 )  
**B60K 17/348** ( 2006.01 )  
**B62D 6/00** ( 2006.01 )  
**B62D 15/02** ( 2006.01 )  
**B62K 5/01** ( 2013.01 )  
**B62K 5/023** ( 2013.01 )  
**B62K 5/08** ( 2006.01 )  
**B62K 11/00** ( 2013.01 )  
**B62K 11/10** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2024201325  
 (72) DAVIES, Robert William; KUZMA, Nich-  
 olas E; ANTONISHAK, Stephen; MUL-  
 HERN, James P.; LETUKAS, Anthony  
 (74) Spruson & Ferguson

(71) PROGRESS RAIL SERVICES COR-  
 PORATION  
 (11) AU-A-2023258439  
 (21) 2023258439 (22) 03.11.2023  
 (54) OPTIMIZING A DRIVING STRATEGY  
 FOR A HYBRID DIESEL-ELECTRIC  
 LOCOMOTIVE AND BATTERY-ELEC-  
 TRIC LOCOMOTIVE CONSIST  
 (51) Int. Cl.  
**B61L 27/10** ( 2022.01 )  
**B61L 27/57** ( 2022.01 )  
 (31) 18/070398 (32) 28.11.22 (33) US  
 (43) 20.06.2024  
 (72) Sammy AKIF; Sidarta Fornari  
 BELTRAMIN; Marcos BLANCO  
 FERNANDES; Joseph M. WHITE  
 (74) FPA Patent Attorneys Pty Ltd

(71) Proprio, Inc.  
 (11) AU-A-2024203568  
 (21) 2024203568 (22) 28.05.2024  
 (54) Methods and systems for imaging a  
 scene, such as a medical scene, and  
 tracking objects within the scene  
 (51) Int. Cl.  
**G06T 7/292** ( 2017.01 )  
 (43) 20.06.2024  
 (62) 2021273241  
 (72) YOUNGQUIST, James Andrew;  
 COLMENARES, David Julio; JONES,  
 Adam Gabriel; NONN, Thomas Ivan;  
 PETERSON, Jay  
 (74) Spruson & Ferguson

(71) Radiance Therapeutics, Inc.  
 (11) AU-A-2024203795  
 (21) 2024203795 (22) 05.06.2024  
 (54) Methods, systems, and compositions  
 for maintaining functioning drainage  
 blebs associated with foreign bodies  
 (51) Int. Cl.  
**A61N 5/10** ( 2006.01 )  
 (43) 20.06.2024  
 (62) 2018329662  
 (72) MARSTELLER, Laurence J.  
 (74) FPA Patent Attorneys Pty Ltd

Raison, LLC see Hagen, T.

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(21) 2024203527

(71) Reflex Instruments Asia Pacific Pty Ltd  
(11) AU-A-2022279491

(21) 2022279491 (22) 01.12.2022

(54) Housing assembly for a core orientation device

(51) Int. Cl.  
*E21B 25/16* ( 2006.01 )  
*E21B 47/017* ( 2012.01 )

(43) 20.06.2024

(72) Reilly, James Barry; Buckley, Dennis John

(74) FB Rice Pty Ltd

(71) Robert Bosch GmbH

(11) AU-A-2024203528

(21) 2024203528 (22) 27.05.2024

(54) Grinding means device, in particular grinding-disc device or backup-pad device

(51) Int. Cl.  
*B24B 45/00* ( 2006.01 )  
*B23D 45/16* ( 2006.01 )  
*B27B 5/32* ( 2006.01 )

(43) 20.06.2024

(62) 2018253157

(72) SINZIG, Bruno; CHRISTEN, Stefan; LAETT, Michael; QUEBATTE, Laurent; WINISTOERFER, David

(74) Spruson & Ferguson

(71) ROLSTON, B.

(11) AU-A-2023331395

(21) 2023331395 (22) 19.10.2023

(54) A CONTAINER FOR AUTOMATICALLY MEASURING THE AMOUNT AND QUALITY OF FOOD

(51) Int. Cl.  
*A47J 47/02* ( 2006.01 )  
*G06Q 99/00* ( 2006.01 )  
*H04L 12/28* ( 2006.01 )

(31) 2022903701 (32) 05.12.22 (33) AU

(43) 20.06.2024

(72) ROLSTON, Ben

(74) Stellar Law Pty Ltd

Rupil, C. see Rupil, M.

(21) 2022279458

(71) Rupil, M.; Rupil, C.

(11) AU-A-2022279458

(21) 2022279458 (22) 30.11.2022

(54) A tool to help assist tradesman when installing beams / joist / rafters etc.

(51) Int. Cl.  
*E04G 21/18* ( 2006.01 )  
*E04D 15/00* ( 2006.01 )

(43) 20.06.2024

(72) Rupil, Marc

(74) Marc Paul Rupil

(71) S&C Electric Company

(11) AU-A-2024203771

(21) 2024203771 (22) 05.06.2024

(54) Dropout recloser

(51) Int. Cl.  
*H01H 33/666* ( 2006.01 )  
*H01H 1/00* ( 2006.01 )  
*H01H 75/04* ( 2006.01 )

(43) 20.06.2024

(62) 2023219923

(72) MONTENEGRO, Alejandro; SMITH, Richard G.; MONTANTE, Jorge; ROSS, Michael

(74) Spruson & Ferguson

(71) Sage Therapeutics, Inc.

(11) AU-A-2024203671

(21) 2024203671 (22) 31.05.2024

(54) Neuroactive steroids, compositions, and uses thereof

(51) Int. Cl.  
*C07K 16/44* ( 2006.01 )  
*C07J 9/00* ( 2006.01 )  
*C07J 43/00* ( 2006.01 )  
*C07K 14/00* ( 2006.01 )  
*G01N 33/566* ( 2006.01 )

(43) 20.06.2024

(62) 2022201660

(72) REDDY, Kiran; DOHERTY, James J.

(74) Spruson & Ferguson

(71) Saravis, D.

(11) AU-A-2024203609

(21) 2024203609 (22) 29.05.2024

(54) TEMPERATURE REGULATING MOUNT WITH MAGNETIC POWER MOUNT

(51) Int. Cl.  
*H01R 13/62* ( 2006.01 )

(43) 20.06.2024

(62) 2019384818

(72) SARAVIS, Darren

(74) AJ PARK

(71) Scaflad Pty Ltd; DRE Sitemax Pty Ltd; ML Sitemax Pty Ltd; JD Sitemax Pty Ltd

(11) AU-A-2024203645

(21) 2024203645 (22) 30.05.2024

(54) A SAFETY MESH

(51) Int. Cl.  
*E04G 21/32* ( 2006.01 )  
*E04G 5/00* ( 2006.01 )

(43) 20.06.2024

(62) 2018203192

(72) Eade, Daniel

(74) Wynnes Patent and Trade Mark Attorneys Pty Ltd

(71) Seal Ryt Corporation

(11) AU-A-2024203683

(21) 2024203683 (22) 31.05.2024

(54) PILLAR LANTERN RING FOR A SHAFT SEALING SYSTEM

(51) Int. Cl.  
*F16J 15/18* ( 2006.01 )

(43) 20.06.2024

(62) 2019236661

(72) Wilkinson, Mark R.; Monahan, Thomas B.

(74) AJ PARK

Sill, K. see Vojkovsky, T.

(21) 2024203511

(71) Skechers U.S.A., Inc. II

(11) AU-A-2024203569

(21) 2024203569 (22) 28.05.2024

(54) Footwear strap and footwear having the same

(51) Int. Cl.  
*A43B 11/00* ( 2006.01 )  
*A43B 3/12* ( 2006.01 )

(31) 18/438,492 (32) 11.02.24 (33) US  
202321904385.5 19.07.23 CN

(43) 20.06.2024

(72) WANG, Eric Chi Chiang; CHENG, Wan-Ling; XIE, Hui

(74) Spruson & Ferguson

(71) Snap-on Incorporated

(11) AU-A-2022279506

(21) 2022279506 (22) 01.12.2022

(54) Non-conductive magnetic retrieval tool

(51) Int. Cl.  
*B25J 1/02* ( 2006.01 )  
*B25B 11/00* ( 2006.01 )  
*B25B 23/12* ( 2006.01 )  
*B25J 15/06* ( 2006.01 )  
*H01F 7/02* ( 2006.01 )

(43) 20.06.2024

(61) 2020244553

(72) KUTER-ARNEBECK, Ottoleo; JOHNSON, Dylan; GABBEY, Nicholas Alan

(74) Griffith Hack

Software Isara Ordinary Partnership see National Science and Technology Development Agency

(21) 2024203613

(71) Solidification Products International, Inc.

(11) AU-A-2024203601

(21) 2024203601 (22) 29.05.2024

(54) Filter media insert structures and methods of installation

(51) Int. Cl.  
*E03F 5/04* ( 2006.01 )  
*E03F 1/00* ( 2006.01 )  
*E03F 5/046* ( 2006.01 )  
*E03F 5/06* ( 2006.01 )  
*E03F 5/10* ( 2006.01 )  
*E03F 5/16* ( 2006.01 )

(43) 20.06.2024

(62) 2020304661

(72) GANNON, William J.; MELACCIO, Paul

(74) Spruson & Ferguson

(71) Solidification Products International, Inc.

(11) AU-A-2024203602

(21) 2024203602 (22) 29.05.2024

(54) Filter media insert structures and methods of installation

(51) Int. Cl.

Applications Open to Public Inspection - Name Index cont'd

- E03F 5/04** ( 2006.01 )  
**E03F 1/00** ( 2006.01 )  
**E03F 5/046** ( 2006.01 )  
**E03F 5/06** ( 2006.01 )  
**E03F 5/10** ( 2006.01 )  
**E03F 5/16** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2020304661  
**(72)** GANNON, William J.; MELACCIO, Paul  
**(74)** Spruson & Ferguson
- 
- (71)** Solventum Intellectual Properties Company  
**(11)** AU-A-2024203570  
**(21)** 2024203570 **(22)** 28.05.2024  
**(54)** Low profile distribution components for wound therapy  
**(51)** Int. Cl.  
**A61M 1/00** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2018354152  
**(72)** LOCKE, Christopher Brian; EDWARDS, Thomas  
**(74)** Spruson & Ferguson
- 
- (71)** SPLISENSE LTD.  
**(11)** AU-A-2024203548  
**(21)** 2024203548 **(22)** 28.05.2024  
**(54)** MUC5-targeted antisense oligonucleotides and related methods for modulating expression of MUC5AC and MUC5B  
**(51)** Int. Cl.  
**C12N 15/113** ( 2010.01 )  
**A61P 11/00** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2022405792  
**(72)** HART, Gili; OZERI-GALAI, Efrat; OREN, Yifat; BARHAD-AVITZUR, Ofra; STAMPFER, Chava  
**(74)** Griffith Hack
- 
- (71)** Sungrow Icarbon Technology Co., Ltd.  
**(11)** AU-A-2023258432  
**(21)** 2023258432 **(22)** 03.11.2023  
**(54)** Certification system and method for carbon neutrality, device and storage medium  
**(51)** Int. Cl.  
**G06Q 10/06** ( 2023.01 )  
**G06Q 40/04** ( 2012.01 )  
**(31)** 202211538944.5 **(32)** 01.12.22 **(33)** CN  
**(43)** 20.06.2024  
**(72)** Shi SONG; Jing ZHANG  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** SUREFOOT IP HOLDINGS PTY LTD  
**(11)** AU-A-2022283625  
**(21)** 2022283625 **(22)** 05.12.2022  
**(54)** ADJUSTABLE FOOTING SYSTEM  
**(51)** Int. Cl.  
**E02D 27/50** ( 2006.01 )  
**E02D 5/80** ( 2006.01 )  
**E02D 27/14** ( 2006.01 )  
**E02D 27/42** ( 2006.01 )  
**E04H 12/22** ( 2006.01 )
- 
- (43)** 20.06.2024  
**(72)** Didonna, Joseph  
**(74)** Churchill Attorneys
- 
- (71)** SYNGENTA CROP PROTECTION AG  
**(11)** AU-A-2023274256  
**(21)** 2023274256 **(22)** 05.12.2023  
**(54)** Melon cultivars ME300, ME535, ME594, ME597, ME598, ME670, ME671 and ME675  
**(51)** Int. Cl.  
**A01H 6/34** ( 2018.01 )  
**A01H 5/08** ( 2018.01 )  
**(31)** 18/062,253 **(32)** 06.12.22 **(33)** US  
**(43)** 20.06.2024  
**(72)** KUMAR, Rakesh  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** Syntro Biosystems (Holdings) Pty Ltd  
**(11)** AU-A-2024203644  
**(21)** 2024203644 **(22)** 30.05.2024  
**(54)** System for below ground composting  
**(51)** Int. Cl.  
**C05F 17/90** ( 2020.01 )  
**B65F 1/14** ( 2006.01 )  
**C05F 9/02** ( 2006.01 )  
**(31)** 18/214,546 **(32)** 27.06.23 **(33)** US  
**(43)** 20.06.2024  
**(62)** 2018305776  
**(72)** HAYIM DE VRIES, Andrew; Howard, Peter  
**(74)** Wallington-Dummer
- 
- (71)** Systems Spray-Cooled, Inc.  
**(11)** AU-A-2024203512  
**(21)** 2024203512 **(22)** 27.05.2024  
**(54)** Split roof for a metallurgical furnace  
**(51)** Int. Cl.  
**F27B 3/24** ( 2006.01 )  
**F27D 9/00** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2018324302  
**(72)** FERGUSON, Scott A.; TEMKINA, Marina K.; WARD, Troy D.; WILSON, Logan  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** Tagworks Pharmaceuticals B.V.  
**(11)** AU-A-2024203685  
**(21)** 2024203685 **(22)** 31.05.2024  
**(54)** Compounds for fast and efficient click release  
**(51)** Int. Cl.  
**C07C 13/263** ( 2006.01 )  
**A61K 47/54** ( 2017.01 )  
**C07D 317/44** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2020297253  
**(72)** ROBILLARD, Marc Stefan; MIKULA, Hannes; TEN HOEVE, Wolter; ROSSIN, Raffaella  
**(74)** FB Rice Pty Ltd
- 
- (71)** Tagworks Pharmaceuticals B.V.  
**(11)** AU-A-2024203793  
**(21)** 2024203793 **(22)** 05.06.2024
- 
- (54)** Compounds comprising a linker for increasing transcyclooctene stability  
**(51)** Int. Cl.  
**C07D 207/46** ( 2006.01 )  
**A61K 47/68** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 209/56** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2019262521  
**(72)** ROBILLARD, Marc Stefan; ROSSIN, Raffaella; VERSTEEGEN, Ronny Mathieu  
**(74)** FB Rice Pty Ltd
- 
- (71)** Taiwan Fu Hsing Industrial Co Ltd  
**(11)** AU-A-2023263454  
**(21)** 2023263454 **(22)** 07.11.2023  
**(54)** ELECTRIC LOCK AND CONTROL METHOD THEREOF  
**(51)** Int. Cl.  
**E05B 47/06** ( 2006.01 )  
**B60W 50/00** ( 2006.01 )  
**E05B 81/54** ( 2014.01 )  
**(31)** 111146386 **(32)** 02.12.22 **(33)** TW  
**(43)** 20.06.2024  
**(72)** I-CHANG SHIH; SHIH-MIN LU; PI-SHUN CHANG; YEN-TANG LIN  
**(74)** Allen & Associates
- 
- (71)** Takeda Pharmaceutical Company Limited  
**(11)** AU-A-2024203600  
**(21)** 2024203600 **(22)** 29.05.2024  
**(54)** A method to produce a highly concentrated immunoglobulin preparation for subcutaneous use  
**(51)** Int. Cl.  
**C07K 16/06** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2022228125  
**(72)** TESCHNER, Wolfgang; BUTTERWECK, Harald; PLJEVLJAKOVIC, Azra; BAUER, Theresa Friederike; KOELBL, Bernhard; SCHWARZ, Hans-Peter; NIKOLIC, Nebojsa; POELSLER, Gerhard; KINDERMANN, Johanna  
**(74)** Spruson & Ferguson
- 
- (71)** Techtronic Cordless GP  
**(11)** AU-A-2023270287  
**(21)** 2023270287 **(22)** 23.11.2023  
**(54)** Battery pack and method of operating the same  
**(51)** Int. Cl.  
**H01M 50/569** ( 2021.01 )  
**(31)** 18/061,891 **(32)** 05.12.22 **(33)** US  
**(43)** 20.06.2024  
**(72)** Anh NGUYEN; Jose REMOR; Daniel MELING; Sheng Ping LI  
**(74)** Spruson & Ferguson
- 
- (71)** Techtronic Cordless GP  
**(11)** AU-A-2023278045  
**(21)** 2023278045 **(22)** 06.12.2023  
**(54)** Electric tool  
**(51)** Int. Cl.  
**A01D 34/68** ( 2006.01 )

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**A01D 34/74** ( 2006.01 )  
**A01D 34/82** ( 2006.01 )  
**A01D 34/90** ( 2006.01 )  
**(31)** 202211558090.7 **(32)** 06.12.22 **(33)** CN  
 202223264656.3 06.12.22 CN  
**(43)** 20.06.2024  
**(72)** LIN, Lin Qiang; HSU, Miles Andrew;  
 BOYLES, Tyler Wilson; OLVERA,  
 Eduardo; PROBY, Nicholas; SCHMIDT,  
 Andrew Maclay; AN, Wei Wei; WONG,  
 Kar Tat; SABIC, Adis  
**(74)** Spruson & Ferguson

**(71)** Teleflex Life Sciences Unlimited Com-  
 pany  
**(11)** AU-A-2024203620  
**(21)** 2024203620 **(22)** 30.05.2024  
**(54)** CATHETER ASSEMBLY  
**(51)** Int. Cl.  
**A61M 25/00** ( 2006.01 )  
**A61M 25/01** ( 2006.01 )  
**A61M 27/00** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2020276702  
**(72)** FOMINAS, Aleksejus; TIGHE, Cathal;  
 TIERNEY, Morgan  
**(74)** RnB IP Pty Ltd

**(71)** Telefonaktiebolaget LM Ericsson (Publ)  
**(11)** AU-A-2024203797  
**(21)** 2024203797 **(22)** 05.06.2024  
**(54)** SYSTEMS AND METHODS FOR TCI  
 STATE ACTIVATION AND CODE-  
 POINT TO TCI STATE MAPPING  
**(51)** Int. Cl.  
**H04L 5/00** ( 2006.01 )  
**H04B 7/06** ( 2006.01 )  
**H04B 7/08** ( 2006.01 )  
**H04W 72/04** ( 2023.01 )  
**(43)** 20.06.2024  
**(62)** 2021251496  
**(72)** MURUGANATHAN, Siva;  
 MÄÄTTÄNEN, Helka-Liina; GAO, Shi-  
 wei  
**(74)** AJ PARK

**(71)** TELEFONAKTIEBOLAGET LM ERIC-  
 SSON (PUBL)  
**(11)** AU-A-2024203521  
**(21)** 2024203521 **(22)** 27.05.2024  
**(54)** UPLINK RESOURCE SCHEDULING IN  
 MULTIPLE TIME INSTANCES  
**(51)** Int. Cl.  
**H04W 72/12** ( 2023.01 )  
**(43)** 20.06.2024  
**(62)** 2022224700  
**(72)** ZHANG, Qiang; LINDBOM, Lars;  
 FURUSKOG, Johan; BERGSTROM,  
 Andreas; PARKVALL, Stefan; AN-  
 DERSSON, Hakan  
**(74)** AJ PARK

**(71)** The Board of Regents of The University  
 of Texas System  
**(11)** AU-A-2024203614  
**(21)** 2024203614 **(22)** 29.05.2024

**(54)** EGFL6 specific monoclonal antibodies  
 and methods of their use  
**(51)** Int. Cl.  
**C07K 16/22** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2017214685  
**(72)** Zhang, Ningyan; An, Zhiqiang; Sood,  
 Anil K.  
**(74)** Pizeys Patent and Trade Mark Attor-  
 neys Pty Ltd

**(71)** The Johns Hopkins University  
**(11)** AU-A-2024203563  
**(21)** 2024203563 **(22)** 28.05.2024  
**(54)** Composite material for tissue restora-  
 tion  
**(51)** Int. Cl.  
**A61L 27/26** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2024203405  
**(72)** JIANG, Xuesong; REDDY, Sashank;  
 BRANDACHER, Gerald; MAO, Hai-  
 quan; SACKS, Justin; LI, Xiaowei;  
 FENG, Kevin; MARTIN, Russell; CHOI,  
 Ji Suk; YALANIS, Georgia  
**(74)** Griffith Hack

**(71)** The Procter & Gamble Company  
**(11)** AU-A-2024203631  
**(21)** 2024203631 **(22)** 30.05.2024  
**(54)** Kit for tooth whitening  
**(51)** Int. Cl.  
**A61Q 11/02** ( 2006.01 )  
**A61K 8/06** ( 2006.01 )  
**A61K 8/22** ( 2006.01 )  
**A61K 8/31** ( 2006.01 )  
**A61K 8/81** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2022203503  
**(72)** Rajaiah, Jayanth; Sagel, Paul Albert  
**(74)** Griffith Hack

**Theraclone Sciences, Inc. see International  
 AIDS Vaccine Initiative**  
**(21)** 2024203628

**(71)** The Regents of the University of Cali-  
 fornia  
**(11)** AU-A-2024203672  
**(21)** 2024203672 **(22)** 31.05.2024  
**(54)** Computational localization of fibrillation  
 sources  
**(51)** Int. Cl.  
**G06E 1/00** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2022203066  
**(72)** KRUMMEN, David E.; MCCULLOCH,  
 Andrew D.; VILLONGCO, Christopher;  
 HO, Gordon  
**(74)** Spruson & Ferguson

**The Scripps Research Institute see Inter-  
 national AIDS Vaccine Initiative**

**(21)** 2024203628

**The Trustees of the University of  
 Pennsylvania see Inovio Pharmaceuticals,  
 Inc.**  
**(21)** 2024203524

**The Wistar Institute of Anatomy and Bio-  
 logic see Inovio Pharmaceuticals, Inc.**  
**(21)** 2024203524

**(71)** TITAN Umreifungstechnik GmbH & Co.  
 KG  
**(11)** AU-A-2023278013  
**(21)** 2023278013 **(22)** 05.12.2023  
**(54)** Strapping device as well as a method  
 for treating a strapping  
**(51)** Int. Cl.  
**B65B 69/00** ( 2006.01 )  
**B25J 9/00** ( 2006.01 )  
**B25J 11/00** ( 2006.01 )  
**B65B 61/06** ( 2006.01 )  
**(31)** 22211357.3 **(32)** 05.12.22 **(33)** EP  
**(43)** 20.06.2024  
**(72)** NÖLKE, Christian; PROTZMANN,  
 Bastian; BÜHNE, Lukas  
**(74)** Spruson & Ferguson

**(71)** TNG Pharmaceuticals Inc.  
**(11)** AU-A-2024203626  
**(21)** 2024203626 **(22)** 30.05.2024  
**(54)** Vaccine compositions and methods of  
 making same  
**(51)** Int. Cl.  
**C07K 14/435** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**C07K 14/81** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2018386128  
**(72)** VAN KAMPEN, Kent R.; MARTINOD,  
 Serge  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Toshiba Energy Systems & Solutions  
 Corporation  
**(11)** AU-A-2023266230  
**(21)** 2023266230 **(22)** 13.11.2023  
**(54)** Rotary machine diagnostic device and  
 rotary machine diagnostic method  
**(51)** Int. Cl.  
**G01M 1/22** ( 2006.01 )  
**G01M 13/028** ( 2019.01 )  
**G01M 13/045** ( 2019.01 )  
**(31)** 2022-193546 **(32)** 02.12.22 **(33)** JP  
**(43)** 20.06.2024  
**(72)** Yuki MIMURA; Toshio HIRANO;  
 Yuichiro GUNJI; Koji ANDO; Yasuo  
 KABATA; Masafumi FUJITA  
**(74)** Griffith Hack

**(71)** Toyota Jidosha Kabushiki Kaisha; Ko-  
 matsu Ltd.  
**(11)** AU-A-2023270288  
**(21)** 2023270288 **(22)** 23.11.2023  
**(54)** Operation management system

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- (51) Int. Cl.  
**G08G 1/09** ( 2006.01 )  
**B60W 40/06** ( 2012.01 )  
**B60W 50/00** ( 2006.01 )  
**B60W 60/00** ( 2020.01 )  
**G06V 20/56** ( 2022.01 )  
(31) 2022-194041 (32) 05.12.22 (33) JP  
(43) 20.06.2024  
(72) Yusuke NOZAWA; Shun MIZOO;  
Toru TAKASHIMA; Takahiro OKANO;  
Takashi HIRANAKA; Kenta OSAGAWA;  
Shota KONISHI  
(74) Spruson & Ferguson
- 
- (71) TRACTO-TECHNIK GmbH & Co. KG  
(11) AU-A-2023254878  
(21) 2023254878 (22) 24.10.2023  
(54) Two-conductor system for earth boring  
rod sections  
(51) Int. Cl.  
**E21B 17/00** ( 2006.01 )  
**E21B 47/16** ( 2006.01 )  
(31) 10 2022 128 041.1 (32) 24.10.22 (33) DE  
(43) 20.06.2024  
(72) Klein, Tobias  
(74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) Transcene Corporation  
(11) AU-A-2023201879  
(21) 2023201879 (22) 28.03.2023  
(54) Architectural Glass Made of Waste Solar  
Panel and Manufacturing Method  
thereof  
(51) Int. Cl.  
**B32B 17/06** ( 2006.01 )  
**C03B 19/00** ( 2006.01 )  
**C03C 27/06** ( 2006.01 )  
(31) 111213308 (32) 01.12.22 (33) TW  
(43) 20.06.2024  
(72) HSIEH, Ya Min; CHOU, Hsin Hui;  
HSIEH, Hsing Wen; HU, Shao Hua;  
CHENG, Ming -Jen; CHEN, Yung-Hui  
(74) A.P.T. Patent and Trade Mark Attor-  
neys
- 
- (71) Trina Solar Co., Ltd  
(11) AU-A-2023275770  
(21) 2023275770 (22) 05.12.2023  
(54) Back contact solar cell, cell segment,  
photovoltaic module and string bonding  
method  
(51) Int. Cl.  
**H01L 31/05** ( 2014.01 )  
(31) 202211552101.0 (32) 05.12.22 (33) CN  
(43) 20.06.2024  
(72) ZHANG, Shu; CHU, Haiyuan; DING, Yi;  
LIU, Wei  
(74) Davies Collison Cave Pty Ltd
- 
- (71) Ullah, A.  
(11) AU-A-2022279502  
(21) 2022279502 (22) 01.12.2022  
(54) Weighted Beanie/Hat  
(51) Int. Cl.  
**A42B 1/241** ( 2021.01 )  
**A61H 7/00** ( 2006.01 )
- (43) 20.06.2024  
(72) Ullah, Asad  
(74) Asadullah Asadullah
- 
- (71) Ultima Genomics, Inc.  
(11) AU-A-2024203744  
(21) 2024203744 (22) 04.06.2024  
(54) LINKERS AND METHODS FOR OP-  
TICAL DETECTION AND SEQUEN-  
CING  
(51) Int. Cl.  
**C07K 5/02** ( 2006.01 )  
**C12Q 1/6818** ( 2018.01 )  
**G01N 33/58** ( 2006.01 )  
(43) 20.06.2024  
(62) 2020224097  
(72) LEE, Linda G.; ALMOGY, Gilad;  
MENCHEN, Steven  
(74) Pizzzeys Patent and Trade Mark Attor-  
neys Pty Ltd
- 
- (71) United Arab Emirates University  
(11) AU-A-2024203659  
(21) 2024203659 (22) 31.05.2024  
(54) METHOD OF LIVER CANCER TREAT-  
MENT WITH SAFRANAL-BASED FOR-  
MULATIONS  
(51) Int. Cl.  
**A61K 31/11** ( 2006.01 )  
**A61K 31/44** ( 2006.01 )  
**A61K 31/4745** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
(43) 20.06.2024  
(62) 2019264660  
(72) AMIN, Amr; AL HROUT, Ala'a  
(74) AJ PARK
- 
- (71) University Of Massachusetts  
(11) AU-A-2024203491  
(21) 2024203491 (22) 24.05.2024  
(54) AAV capsid designs  
(51) Int. Cl.  
**C12N 15/861** ( 2006.01 )  
**C07K 14/005** ( 2006.01 )  
**C07K 14/015** ( 2006.01 )  
(43) 20.06.2024  
(62) 2017341849  
(72) Gao, Guangping; Xu, Guangchao; Tai,  
Phillip; Wei, Yuquan; Luo, Li  
(74) Pizzzeys Patent and Trade Mark Attor-  
neys Pty Ltd
- 
- (71) University of Southern California  
(11) AU-A-2024203731  
(21) 2024203731 (22) 03.06.2024  
(54) PHARMACEUTICAL COMPOSITIONS  
COMPRIISING PERILLYL ALCOHOL  
DERIVATIVES  
(51) Int. Cl.  
**A01N 43/38** ( 2006.01 )  
**A61K 31/40** ( 2006.01 )  
(43) 20.06.2024  
(62) 2022204056  
(72) Chen, Thomas; Levin, Daniel; Puppali,  
Satish  
(74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) Valerio, T.  
(11) AU-A-2024203623  
(21) 2024203623 (22) 30.05.2024  
(54) FLUIDIZED INERTIA TABLE  
(51) Int. Cl.  
**B03B 4/00** ( 2006.01 )  
**B03B 4/02** ( 2006.01 )  
**B07B 1/40** ( 2006.01 )  
**B25J 9/14** ( 2006.01 )  
**F15B 15/12** ( 2006.01 )  
**H03K 7/02** ( 2006.01 )  
**H03K 9/08** ( 2006.01 )  
(43) 20.06.2024  
(62) 2019269633  
(72) Valerio, Thomas A.  
(74) Michael Buck IP
- 
- (71) Vehicle Service Group, LLC  
(11) AU-A-2023274170  
(21) 2023274170 (22) 30.11.2023  
(54) Linker communication with multiple lift  
systems  
(51) Int. Cl.  
**G05B 19/19** ( 2006.01 )  
**G05B 19/402** ( 2006.01 )  
**G05B 19/418** ( 2006.01 )  
(31) 63/429214 (32) 01.12.22 (33) US  
(43) 20.06.2024  
(72) Darian James SMITH; Robert William  
ELLIOTT; Jahmai TURNER  
(74) FPA Patent Attorneys Pty Ltd
- 
- (71) Verte Technologies, LLC  
(11) AU-A-2024203587  
(21) 2024203587 (22) 29.05.2024  
(54) A mould set for fabrication of an EPS  
pallet and use thereof  
(51) Int. Cl.  
**B29C 33/00** ( 2006.01 )  
(43) 20.06.2024  
(62) 2021331702  
(72) WALAWALKAR, Deenar Shashikant  
(74) FPA Patent Attorneys Pty Ltd
- 
- (71) Vojkovsky, T.; Intezyne Technologies,  
Inc.; Carie, A.; Sill, K.  
(11) AU-A-2024203511  
(21) 2024203511 (22) 27.05.2024  
(54) Manufacture of trans-  
[tetrachlorobis(1H-indazole)ruthenate  
(III)] and compositions thereof  
(51) Int. Cl.  
**A61K 31/416** ( 2006.01 )  
**A61K 31/555** ( 2006.01 )  
**A61K 33/24** ( 2019.01 )  
(43) 20.06.2024  
(62) 2018263965  
(72) Vojkovsky, Tomas; Sill, Kevin; Carie,  
Adam  
(74) Griffith Hack
- 
- (71) Volney, J.  
(11) AU-A-2023263427  
(21) 2023263427 (22) 06.11.2023  
(54) The technology relates to the gener-  
al field of portable seating, and has

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certain specific application to crossed legged sitting  
**(51)** Int. Cl.  
**A47C 7/50** ( 2006.01 )  
**A47C 7/40** ( 2006.01 )  
**(31)** 2022903638 **(32)** 30.11.22 **(33)** AU  
**(43)** 20.06.2024  
**(72)** John Volney  
**(74)** John Steven Volney

**(71)** WaveTamer LLC  
**(11)** AU-A-2024203754  
**(21)** 2024203754 **(22)** 04.06.2024  
**(54)** Gyroscopic boat roll stabilizer with bearing cooling  
**(51)** Int. Cl.  
**B63B 39/04** ( 2006.01 )  
**F16C 37/00** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2021231492  
**(72)** SOHACKI, Brian John; POWERS, Aaron P.; SMITH, Grady F.  
**(74)** GLMR

**(71)** Werner Co.  
**(11)** AU-A-2024203625  
**(21)** 2024203625 **(22)** 30.05.2024  
**(54)** Interlocking Work Platform System and Method  
**(51)** Int. Cl.  
**E04G 1/15** ( 2006.01 )  
**E04G 1/30** ( 2006.01 )  
**E04G 1/34** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2022201364  
**(72)** Chen, Fang; He, Liang; Zhu, Ling  
**(74)** BOSH IP Pty Ltd

**(71)** WestRock Packaging Systems, LLC  
**(11)** AU-A-2024203727  
**(21)** 2024203727 **(22)** 03.06.2024  
**(54)** Carton and blank therefor  
**(51)** Int. Cl.  
**B65D 71/42** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2018217138  
**(72)** ZACHERLE, Matthew E.; BHARDWAJ, Rahul; KOOC, Linh L.; WALLING, Bradford J.  
**(74)** Spruson & Ferguson

**(71)** Whitehead Institute for Biomedical Research  
**(11)** AU-A-2024203525  
**(21)** 2024203525 **(22)** 27.05.2024  
**(54)** Reprogramming of somatic cells  
**(51)** Int. Cl.  
**C12N 15/00** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2020213357  
**(72)** JAENISCH, Rudolf; HANNA, Jacob; WERNIG, Marius; LENGNER, Christopher J.; MEISSNER, Alexander; BRAMBRINK, Oliver Tobias; WELSTEAD, G. Grant; FOREMAN, Ruth  
**(74)** Spruson & Ferguson

**(71)** WINONE ELEVATOR COMPANY LIMITED; GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD.  
**(11)** AU-A-2023222853  
**(21)** 2023222853 **(22)** 29.08.2023  
**(54)** Power management system, power management method, electronic device and storage medium  
**(51)** Int. Cl.  
**B66B 1/30** ( 2006.01 )  
**(31)** 202211552386.8 **(32)** 05.12.22 **(33)** CN  
**(43)** 20.06.2024  
**(72)** PAN, Minjie  
**(74)** MINTER ELLISON

**(71)** Wonderland Switzerland AG  
**(11)** AU-A-2024203574  
**(21)** 2024203574 **(22)** 28.05.2024  
**(54)** Baby stroller with a folding mechanism triggered by a child carrier  
**(51)** Int. Cl.  
**B62B 7/06** ( 2006.01 )  
**B62B 7/08** ( 2006.01 )  
**B62B 7/14** ( 2006.01 )  
**B62B 9/10** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2022215169  
**(72)** ZHONG, Zhi-Ren  
**(74)** Griffith Hack

**(71)** Woodside Energy Technologies Pty Ltd  
**(11)** AU-A-2024203630  
**(21)** 2024203630 **(22)** 30.05.2024  
**(54)** Heat Exchanger and Method of Manufacturing a Heat Exchanger  
**(51)** Int. Cl.  
**F28F 1/24** ( 2006.01 )  
**F28D 7/08** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2022202929  
**(72)** Byfield, Geoffrey  
**(74)** Griffith Hack

**(71)** XCALIBER SCIENCES, INC.  
**(11)** AU-A-2024203691  
**(21)** 2024203691 **(22)** 31.05.2024  
**(54)** PIPETTE TIP SYSTEM  
**(51)** Int. Cl.  
**B01L 3/02** ( 2006.01 )  
**B01L 9/00** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2022304690  
**(72)** MOTADEL, Arta  
**(74)** Halfords IP

**(71)** YANTAI CHUNGWAY NEW ENERGY TECHNOLOGY CO., LTD.  
**(11)** AU-A-2023348039  
**(21)** 2023348039 **(22)** 19.04.2023  
**(54)** AUTOMATIC FIRE EXTINGUISHING SYSTEM FOR ELECTRIC VEHICLE PARKING SPACE  
**(51)** Int. Cl.  
**A62C 3/07** ( 2006.01 )  
**A62C 3/16** ( 2006.01 )  
**A62C 35/13** ( 2006.01 )  
**H01M 10/613** ( 2014.01 )

**H01M 10/625** ( 2014.01 )  
**H01M 10/633** ( 2014.01 )  
**(31)** 202223229194.1 **(32)** 03.12.22 **(33)** CN  
 202223229169.3 03.12.22 CN  
 202211542447.2 03.12.22 CN  
 202223229182.9 03.12.22 CN  
 202211542448.7 03.12.22 CN  
**(43)** 20.06.2024  
**(72)** ZHANG, Lilei; WANG, Yang; LI, Mingming; WANG, Xuebing; JU, Guangcai; LIN, Hao; SHI, Xiaotong  
**(74)** Madderns Pty Ltd

**(71)** Zhonggui Construction Co., LTD  
**(11)** AU-A-2023214250  
**(21)** 2023214250 **(22)** 08.08.2023  
**(54)** Pit corner design method for reducing land occupation and improving mineral recovery rate  
**(51)** Int. Cl.  
**E21C 41/28** ( 2006.01 )  
**(31)** 202211538168.9 **(32)** 02.12.22 **(33)** CN  
**(43)** 20.06.2024  
**(72)** Liu, Zhaozhi; Liu, Yi; Liu, Yang; Wang, Yawen; Jiang, Feng  
**(74)** A.P.T. Patent and Trade Mark Attorneys

**(71)** Zodiac Pool Systems LLC  
**(11)** AU-A-2024203751  
**(21)** 2024203751 **(22)** 04.06.2024  
**(54)** Automatic swimming pool cleaners and components thereof  
**(51)** Int. Cl.  
**E04H 4/16** ( 2006.01 )  
**(43)** 20.06.2024  
**(62)** 2020263235  
**(72)** BORG, Dustin; LISS, Brian  
**(74)** FB Rice Pty Ltd



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2022279458	Rupil, M.; Rupil, C.	2024203333	Amicus Therapeutics, Inc.
2022279491	Reflex Instruments Asia Pacific Pty Ltd	2024203491	University Of Massachusetts
2022279494	AMIET, J.	2024203511	Vojkovsky, T.; Intezyne Technologies, Inc.; Carie, A.; Sill, K.
2022279495	Electric Loans Australia Pty Ltd	2024203512	Systems Spray-Cooled, Inc.
2022279502	Ullah, A.	2024203514	AKL Research and Development Ltd.
2022279506	Snap-on Incorporated	2024203516	Commercialisation Express Pty Ltd
2022279514	Nunhems B.V.	2024203518	Biomatrica, Inc.
2022279515	Nunhems B.V.	2024203521	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
2022279516	Nunhems B.V.	2024203524	Inovio Pharmaceuticals, Inc.; The Trustees of the University of Pennsylvania; The Wistar Institute of Anatomy and Biology
2022279528	Adam, R.	2024203525	Whitehead Institute for Biomedical Research
2022279553	Bowman, B.	2024203526	Bytedance Inc.
2022283625	SUREFOOT IP HOLDINGS PTY LTD	2024203527	Hagen, T.; Raison, LLC
2022283639	Howe, S.	2024203528	Robert Bosch GmbH
2022283675	OXTI Pte Ltd	2024203530	bioMerieux, Inc.; BioFire Defense LLC
2022283676	OXTI Pte Ltd	2024203532	GEN1E LIFESCIENCES INC.
2022283677	OXTI Pte Ltd	2024203533	Huawei Technologies Co., Ltd.
2022283678	OXTI Pte Ltd	2024203535	Hope Medical Enterprises, Inc. dba Hope Pharmaceuticals
2022283679	OXTI Pte Ltd	2024203537	HARVEY, F.; HARVEY, D.
2022440627	PETROLIAM NASIONAL BERHAD (PETRONAS); DALIAN INSTITUTE OF CHEMICAL PHYSICS, CHINESE ACADEMY OF SCIENCES	2024203541	OPUM Technologies Limited
2022468832	GUROK HOLDING B.V.	2024203546	New York Stem Cell Foundation, Inc.
2023200836	Pickdelso Oy	2024203547	LG Electronics Inc.
2023201879	Transcene Corporation	2024203548	SPLISENSE LTD.
2023203789	OLYMPUS Winter & Ibe GmbH	2024203549	LG Electronics Inc.
2023214250	Zhonggui Construction Co., LTD	2024203561	LG Electronics Inc.
2023219903	GBIP Pty Ltd	2024203562	Google LLC
2023222853	WINONE ELEVATOR COMPANY LIMITED; GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD.	2024203563	The Johns Hopkins University
2023237210	Adobe Inc.	2024203565	Bambino Prezioso Switzerland AG
2023251460	Intuit Inc.	2024203566	Pride Mobility Products Corporation
2023254878	TRACTO-TECHNIK GmbH & Co. KG	2024203567	Gilead Sciences, Inc.
2023254985	Grant Prideco, Inc.	2024203568	Proprio, Inc.
2023255057	Heraeus Medical GmbH	2024203569	Skechers U.S.A., Inc. II
2023258432	Sungrow Icarbon Technology Co., Ltd.	2024203570	Solventum Intellectual Properties Company
2023258439	PROGRESS RAIL SERVICES CORPORATION	2024203571	Minnetronix Neuro, Inc.
2023263427	Volney, J.	2024203572	Nell, J.
2023263454	Taiwan Fu Hsing Industrial Co Ltd	2024203573	Acres Technology
2023263459	L3Harris Technologies, Inc.	2024203574	Wonderland Switzerland AG
2023266227	FLEXXON PTE. LTD	2024203575	Nicoventures Trading Limited
2023266230	Toshiba Energy Systems & Solutions Corporation	2024203576	Echo 360, Inc.
2023270254	Norbar Torque Tools Limited	2024203577	Ecolab USA Inc.
2023270287	Techtronic Cordless GP	2024203578	Equifax Inc.
2023270288	Toyota Jidosha Kabushiki Kaisha; Komatsu Ltd.	2024203579	Gilead Sciences, Inc.
2023270320	Paloma Co., Ltd.	2024203580	BIO-RAD LABORATORIES, INC.
2023270321	Paloma Co., Ltd.	2024203581	F. Hoffmann-La Roche AG
2023274077	Matthews, P.	2024203584	Oracle International Corporation
2023274101	Pot Pirate Pty Ltd	2024203585	Google LLC
2023274136	FalCom A/S	2024203586	Inhibrx, Inc.
2023274170	Vehicle Service Group, LLC	2024203587	Verte Technologies, LLC
2023274200	Joy Global Underground Mining LLC	2024203588	CAAMTECH, INC.
2023274225	Auchmann, M.	2024203589	Emory University
2023274241	Howard, R.	2024203590	King Technology Inc.
2023274256	SYNGENTA CROP PROTECTION AG	2024203591	Emulate, Inc.
2023275017	Plum Safety ApS	2024203594	Dynex Extrusions Limited
2023275770	Trina Solar Co., Ltd	2024203595	FMC Corporation
2023277292	AUTO TRANSFORM LIMITED	2024203596	Pharmacosmos Holding A/S
2023278013	TITAN Umreifungstechnik GmbH & Co. KG	2024203597	DEKA Products Limited Partnership
2023278022	Ark Corporation Pty Ltd	2024203598	Board of Regents, The University of Texas System; Moleculin Biotech, Inc.
2023278045	Techtronic Cordless GP	2024203599	Berkeley Lights, Inc.
2023312379	JINKO SOLAR (HAINING) CO., LTD.	2024203600	Takeda Pharmaceutical Company Limited
2023331395	ROLSTON, B.	2024203601	Solidification Products International, Inc.
2023331400	LIER CHEMICAL CO., LTD.	2024203602	Solidification Products International, Inc.
2023348039	YANTAI CHUNGWAY NEW ENERGY TECHNOLOGY CO., LTD.	2024203603	Hope Medical Enterprises, Inc. dba Hope Pharmaceuticals
2024202093	Aadigen, LLC	2024203604	2seventy bio, Inc.
2024202225	Juno Therapeutics, Inc.		
2024202272	Element Biosciences, Inc.		

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2024203606	Joy Global Underground Mining LLC	2024203747	PharmaPrint Limited LLC
2024203607	Polaris Industries Inc.	2024203748	ElectroSea LLC
2024203609	Saravis, D.	2024203749	Meso Scale Technologies, LLC
2024203611	Dropworks, Inc.	2024203750	Kyocera Corporation
2024203613	National Science and Technology Development Agency; Software Isara Ordinary Partnership	2024203751	Zodiac Pool Systems LLC
2024203614	The Board of Regents of The University of Texas System	2024203753	FISHER & PAYKEL HEALTHCARE LIMITED
2024203615	LG Electronics Inc.	2024203754	WaveTamer LLC
2024203616	Gel Cap Technologies, LLC	2024203755	Alkahest, Inc.
2024203620	Teleflex Life Sciences Unlimited Company	2024203758	Matortho Limited
2024203621	Infant Health, Inc	2024203759	NOVAPHOS GYPSUM TECHNOLOGY LLC
2024203623	Valerio, T.	2024203760	Otsuka Pharmaceutical Co., Ltd.
2024203624	Buck Institute for Research on Aging	2024203761	Greyrock Technology, LLC
2024203625	Werner Co.	2024203764	Avava, Inc.
2024203626	TNG Pharmaceuticals Inc.	2024203770	Pratt Retail Specialties, LLC
2024203627	Dziekonski, M.Z.	2024203771	S&C Electric Company
2024203628	International AIDS Vaccine Initiative; The Scripps Research Institute; Theraclone Sciences, Inc.	2024203783	Angel Group Co., Ltd.
2024203629	Merck Patent GmbH	2024203792	Lyndra Therapeutics, Inc.
2024203630	Woodside Energy Technologies Pty Ltd	2024203793	Tagworks Pharmaceuticals B.V.
2024203631	The Procter & Gamble Company	2024203794	Caterpillar Inc.
2024203632	Angel Group Co., Ltd.	2024203795	Radiance Therapeutics, Inc.
2024203633	Angel Group Co., Ltd.	2024203796	EQUIFAX, INC.; FIDELITY INFORMATION SERVICES, LLC
2024203636	B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.	2024203797	Telefonaktiebolaget LM Ericsson (Publ)
2024203637	NuCana plc	2024203798	2724889 Ontario, Inc.
2024203638	ELC Management LLC		
2024203640	Palmaya Pty Ltd		
2024203642	AbbVie Inc.		
2024203643	B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.		
2024203644	Syntro Biosystems (Holdings) Pty Ltd		
2024203645	Scafclad Pty Ltd; DRE Sitemax Pty Ltd; ML Sitemax Pty Ltd; JD Sitemax Pty Ltd		
2024203648	B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.		
2024203650	B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.		
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2024203659	United Arab Emirates University		
2024203662	Capital One Services, LLC		
2024203666	Aristocrat Technologies Australia Pty Limited		
2024203667	Imagine Intelligent Materials Ltd		
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2024203671	Sage Therapeutics, Inc.		
2024203672	The Regents of the University of California		
2024203673	Aristocrat Technologies Australia Pty Limited		
2024203675	Brother Kogyo Kabushiki Kaisha		
2024203676	Axsome Therapeutics, Inc.		
2024203677	Delta T, LLC		
2024203679	Fisher & Paykel Healthcare Limited		
2024203680	Chon, U.		
2024203681	Amarin Pharmaceuticals Ireland Limited		
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2024203684	Lamb Weston, Inc.		
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2024203686	Capstan Ag Systems, Inc.		
2024203691	XCALIBER SCIENCES, INC.		
2024203692	Footprint International, LLC		
2024203697	Angel Group Co., Ltd.		
2024203700	IGT		
2024203702	Medshine Discovery Inc.		
2024203703	Medshine Discovery Inc.		
2024203727	WestRock Packaging Systems, LLC		
2024203728	Gas Services Australia Pty Ltd		
2024203729	MAKO Surgical Corp.		
2024203731	University of Southern California		
2024203733	Caterpillar Inc.		
2024203736	Nuoya Robot (Zhejiang) Co., Ltd.		
2024203737	Bongo Learn, Inc.		
2024203740	DUG Technology (Australia) Pty Ltd.		
2024203742	Blackhawk Network, Inc.		
2024203744	Ultima Genomics, Inc.		
2024203745	Hologic, Inc.		

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 Stephen  
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 RESERVOIR  
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**(74)** Michael Buck IP
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 OF NUCLEIC ACIDS  
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 Rhea  
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**(21)** 2022419234 **(22)** 22.12.2022  
**(54)** DEVICE, SYSTEM AND METHOD  
 FOR TREATMENT OF A VESSEL  
**(51)** Int. Cl.  
**A61B 17/12** ( 2006.01 )  
**(87)** WO2023/118400  
**(31)** 21315292.9 **(32)** 24.12.21 **(33)** EP  
**(43)** 29.06.2023  
**(72)** POUPONNEAU, Pierre  
**(74)** Davies Collison Cave Pty Ltd
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**(21)** 2022383849 **(22)** 09.11.2022  
**(54)** STABLE PRODUCTION SYSTEMS  
 FOR AAV VECTOR PRODUCTION  
**(51)** Int. Cl.  
**C12N 5/10** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )  
**(87)** WO2023/086822  
**(31)** 63/277,335 **(32)** 09.11.21 **(33)** US  
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**(72)** STACH, Christopher, S.; NIELSEN,  
 Alec, A.k.  
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**(11)** AU-A-2022390215  
**(21)** 2022390215 **(22)** 17.11.2022  
**(54)** NOVEL LIPIDS FOR DELIVERY OF  
 NUCLEIC ACID SEGMENTS  
**(51)** Int. Cl.  
**C07D 305/06** ( 2006.01 )  
**A61K 31/337** ( 2006.01 )  
**A61K 31/34** ( 2006.01 )  
**C07D 305/14** ( 2006.01 )  
**C07D 307/06** ( 2006.01 )  
**C07D 309/04** ( 2006.01 )  
**C12N 15/00** ( 2006.01 )  
**(87)** WO2023/089522  
**(31)** 63/264,263 **(32)** 18.11.21 **(33)** US  
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**(43)** 25.05.2023  
**(72)** HEMMERLING, Martin; CZECHTIZKY,  
 Wergard; ULKOSKI, David; POTE,  
 Aditya Ravindra; LINDFORS, Lennart  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** ASTURA MEDICAL INC.  
**(11)** AU-A-2022389179  
**(21)** 2022389179 **(22)** 17.11.2022  
**(54)** CROSSLINK LOCKING MECHANISM  
**(51)** Int. Cl.  
**A61B 17/70** ( 2006.01 )
- A61F 2/44** ( 2006.01 )  
**(87)** WO2023/091612  
**(31)** 63/280,985 **(32)** 18.11.21 **(33)** US  
**(43)** 25.05.2023  
**(72)** DUSTERHOFT, Ross; PURCELL,  
 Thomas  
**(74)** Adams Pluck
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**(11)** AU-A-2022380901  
**(21)** 2022380901 **(22)** 02.11.2022  
**(54)** METHODS AND COMPOSITIONS  
 FOR PRODUCTION OF CULTURED  
 MEAT  
**(51)** Int. Cl.  
**A23J 3/04** ( 2006.01 )  
**A23J 3/22** ( 2006.01 )  
**A23J 3/24** ( 2006.01 )  
**A23L 13/00** ( 2016.01 )  
**(87)** WO2023/081192  
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**(72)** DARIANI, Maghsoud; BHATIA, Mohit  
**(74)** GLMR
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**(21)** 2023214078 **(22)** 24.01.2023  
**(54)** VACUUM PUMP AND FACILITY FOR  
 PROCESSING AND/OR PACKAGING  
 FOOD PRODUCTS  
**(51)** Int. Cl.  
**F04B 37/14** ( 2006.01 )  
**A61L 2/04** ( 2006.01 )  
**A61L 2/10** ( 2006.01 )  
**A61L 2/16** ( 2006.01 )  
**F04B 19/04** ( 2006.01 )  
**F04B 39/16** ( 2006.01 )  
**F04B 41/06** ( 2006.01 )  
**F04C 25/02** ( 2006.01 )  
**F04D 19/04** ( 2006.01 )  
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**(31)** 000077/2022 **(32)** 26.01.22 **(33)** CH  
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**(72)** FELTEN, Nicolas; LIPPELT, Erik  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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**(21)** 2022405700 **(22)** 09.12.2022  
**(54)** CRYSTALLINE FORM OF (R)-2-  
 (TERT-BUTYLAMINO)-1-(5-  
 FLUOROPYRIDIN-3-YL)-ETHAN-1-OL  
 HEMI-TARTRATE SALT FOR THE  
 TREATMENT OF HYPERGLYCEMIA  
 AND DIABETES 2  
**(51)** Int. Cl.  
**C07D 213/61** ( 2006.01 )  
**A61K 31/44** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
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**(72)** PELCMAN, Benjamin  
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 (54) CONVEYOR BELT CLEANING APPARATUS  
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*B65G 45/14* ( 2006.01 )  
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 (54) TARP AND ASSOCIATED METHOD OF USE  
 (51) Int. Cl.  
*E04G 21/28* ( 2006.01 )  
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 (54) SYSTEMS AND METHODS FOR ELECTRONICALLY TRACKING CLIENT DATA  
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*G06F 16/907* ( 2019.01 )  
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 (31) 17/574,412 (32) 12.01.22 (33) US  
 (43) 20.07.2023  
 (72) JANZEN, Mark  
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 (51) Int. Cl.  
*G06Q 40/12* ( 2023.01 )  
*G06Q 30/02* ( 2023.01 )  
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 (54) SORBENT FOR DIALYSIS AND SORBENT SYSTEM FOR REGENERATIVE DIALYSIS  
 (51) Int. Cl.  
*B01J 39/12* ( 2006.01 )  
*A61M 1/16* ( 2006.01 )  
*B01J 20/02* ( 2006.01 )  
*B01J 20/04* ( 2006.01 )  
*B01J 41/10* ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd
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*G06F 16/535* ( 2019.01 )  
*G06F 16/538* ( 2019.01 )  
*G06F 16/54* ( 2019.01 )  
*G06F 16/55* ( 2019.01 )  
*G06F 16/583* ( 2019.01 )  
*G06V 10/40* ( 2022.01 )  
*G06V 20/70* ( 2022.01 )  
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 (54) OPTICAL UNDERWATER DATA TRANSMISSION  
 (51) Int. Cl.  
*H04B 13/02* ( 2006.01 )  
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*G01S 17/88* ( 2006.01 )  
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 (54) ANALOGUE TO DIGITAL CONVERTER  
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*H03M 1/12* ( 2006.01 )  
*G02F 7/00* ( 2006.01 )  
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 (54) INTERLOCK FOR A DOWNHOLE TOOL  
 (51) Int. Cl.  
*E21B 34/14* ( 2006.01 )  
*E21B 23/01* ( 2006.01 )  
*E21B 23/06* ( 2006.01 )  
*E21B 34/10* ( 2006.01 )  
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 (74) Patent Attorney Services
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 (21) 2022399353 (22) 17.11.2022  
 (54) SHIFTING SLEEVE WITH EXTRUDABLE BALL AND DOG  
 (51) Int. Cl.  
*E21B 34/14* ( 2006.01 )  
*E21B 23/04* ( 2006.01 )  
*E21B 34/10* ( 2006.01 )  
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 (31) 17/538,915 (32) 30.11.21 (33) US  
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 (72) CULLUM, Jason; OBERG, Levi; SOSA, Andres; RABALAIS, David  
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*E21B 34/14* ( 2006.01 )  
*E21B 23/04* ( 2006.01 )  
*E21B 34/10* ( 2006.01 )  
 (87) WO2023/101829  
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(51) Int. Cl.  
C22B 26/12 ( 2006.01 )  
C22B 3/06 ( 2006.01 )  
C22B 3/44 ( 2006.01 )  
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(54) MULTI PLUG SYSTEM  
(51) Int. Cl.  
E21B 34/14 ( 2006.01 )  
E21B 23/04 ( 2006.01 )  
E21B 34/10 ( 2006.01 )  
(87) WO2023/101827  
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(43) 08.06.2023  
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(21) 2022403551 (22) 17.11.2022  
(54) TORQUE MECHANISM FOR BRIDGE PLUG  
(51) Int. Cl.  
E21B 34/14 ( 2006.01 )  
E21B 23/04 ( 2006.01 )  
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(74) Patent Attorney Services
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(51) Int. Cl.  
A61K 31/404 ( 2006.01 )  
A61K 31/397 ( 2006.01 )  
A61K 31/407 ( 2006.01 )  
A61K 31/438 ( 2006.01 )  
A61K 31/517 ( 2006.01 )  
C07D 209/04 ( 2006.01 )
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A61P 35/00 ( 2006.01 )  
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(74) Australian Patent & TradeMark Services Pty Ltd
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(21) 2022405659 (22) 06.12.2022  
(54) OXIDATIVE AND REDUCTIVE LEACHING METHODS  
(51) Int. Cl.  
C22B 1/02 ( 2006.01 )  
C22B 3/00 ( 2006.01 )  
C22B 3/08 ( 2006.01 )  
C22B 7/00 ( 2006.01 )  
C22B 15/00 ( 2006.01 )  
C22B 26/12 ( 2006.01 )  
C22B 47/00 ( 2006.01 )  
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(74) Griffith Hack
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(11) AU-A-2022405733  
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(54) SYNTHESIS OF GLUFOSINATE USING A HYDANTOINASE-BASED PROCESS  
(51) Int. Cl.  
C07F 9/30 ( 2006.01 )  
A01N 43/28 ( 2006.01 )  
A01N 57/00 ( 2006.01 )  
A01N 57/20 ( 2006.01 )  
A01P 13/00 ( 2006.01 )  
C07F 9/6506 ( 2006.01 )  
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(31) 21213750.9 (32) 10.12.21 (33) EP  
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(74) Griffith Hack
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(54) HERBICIDAL ACTIVITY OF ALKYL PHOSPHINATES  
(51) Int. Cl.  
C07F 9/30 ( 2006.01 )  
A01N 43/28 ( 2006.01 )  
A01N 57/00 ( 2006.01 )  
A01N 57/20 ( 2006.01 )  
A01P 13/00 ( 2006.01 )
- C07F 9/6506 ( 2006.01 )  
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(11) AU-A-2022407771  
(21) 2022407771 (22) 12.12.2022  
(54) ENZYMATIC DECARBAMOYLATION OF GLUFOSINATE DERIVATIVES  
(51) Int. Cl.  
C07F 9/30 ( 2006.01 )  
A01N 43/28 ( 2006.01 )  
A01N 57/00 ( 2006.01 )  
A01N 57/20 ( 2006.01 )  
A01P 13/00 ( 2006.01 )  
C07F 9/6506 ( 2006.01 )  
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(31) 21213752.5 (32) 10.12.21 (33) EP  
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(51) Int. Cl.  
C07D 207/06 ( 2006.01 )  
A61K 9/127 ( 2006.01 )  
A61K 31/40 ( 2006.01 )  
A61K 31/455 ( 2006.01 )  
A61K 47/00 ( 2006.01 )  
C07C 229/00 ( 2006.01 )  
C07D 207/16 ( 2006.01 )  
C07D 211/22 ( 2006.01 )  
C07D 211/62 ( 2006.01 )  
C12N 15/52 ( 2006.01 )  
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(31) 63/291,639 (32) 20.12.21 (33) US  
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(72) SAGO, Cory Dane; HAMILTON, Gregory Lawrence  
(74) FPA Patent Attorneys Pty Ltd
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(51) Int. Cl.  
C07C 219/16 ( 2006.01 )  
A61K 9/00 ( 2006.01 )  
C07D 211/22 ( 2006.01 )  
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(72) SAGO, Cory Dane; HAMILTON, Gregory Lawrence  
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**G01N 33/533** ( 2006.01 )  
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 (54) ANTI-TSLP MONOCLONAL ANTI-BODY, ANTIGEN-BINDING FRAGMENT THEREOF AND USE THEREOF  
 (51) Int. Cl.  
**C07K 16/24** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
**C12N 5/07** ( 2010.01 )  
**C12N 15/11** ( 2006.01 )  
**C12N 15/63** ( 2006.01 )  
 (87) WO2023/098491  
 (31) 202111461974.6 (32) 02.12.21 (33) CN  
 (43) 08.06.2023  
 (72) BAI, Yi; PEI, Shuang; LIU, Si  
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 (51) Int. Cl.  
**A61K 31/4155** ( 2006.01 )  
**A61K 9/14** ( 2006.01 )  
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**A61K 9/48** ( 2006.01 )  
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 (31) 63/275,076 (32) 03.11.21 (33) US  
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 (72) CHEN, Xiangyang  
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 (51) Int. Cl.

**B01D 25/127** ( 2006.01 )  
**B01D 25/28** ( 2006.01 )  
**B01D 29/13** ( 2006.01 )  
**B01D 33/46** ( 2006.01 )  
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 (54) PROTEOLYSIS TARGETING CHIMERA (PROTAC) COMPOSITIONS USING UBIQUITIN CONJUGATING ENZYME LIGANDS  
 (51) Int. Cl.  
**A61K 47/54** ( 2017.01 )  
**C07D 401/14** ( 2006.01 )  
**C07D 417/14** ( 2006.01 )  
 (87) WO2023/205219  
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 (43) 26.10.2023  
 (72) VISHNUDAS, Vivek, K.  
 (74) RnB IP

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 (21) 2022382724 (22) 02.11.2022  
 (54) AUTONOMOUS MEDICAMENT DOSE TRIMMING  
 (51) Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A61B 5/145** ( 2006.01 )  
**A61M 5/142** ( 2006.01 )  
**A61M 5/172** ( 2006.01 )  
**G16H 40/60** ( 2018.01 )  
**G16H 50/20** ( 2018.01 )  
**G16H 50/30** ( 2018.01 )  
**G16H 50/70** ( 2018.01 )  
 (87) WO2023/081239  
 (31) 63/263,602 (32) 05.11.21 (33) US  
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 (72) ROSINKO, Michael, J.; PATEL, Himanshu; DAMIANO, Edward, R.; EL-KHATIB, Firas, H.  
 (74) FB Rice Pty Ltd

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 (51) Int. Cl.  
**A61J 7/00** ( 2006.01 )  
**A61J 7/04** ( 2006.01 )  
 (87) WO2023/139400  
 (43) 27.07.2023  
 (72) MARCOZ, Alain  
 (74) Kevin Ashby

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 (21) 2022381929 (22) 03.11.2022

(54) INTRACELLULAR DELIVERY COMPOSITIONS  
 (51) Int. Cl.  
**A61K 47/59** ( 2017.01 )  
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**A61P 35/00** ( 2006.01 )  
 (87) WO2023/079553  
 (31) 63/275,049 (32) 03.11.21 (33) US  
 63/348,114 02.06.22 US  
 (43) 11.05.2023  
 (72) SHILOVITZKY, Orit; CHEN ZELTSBURG, Lilach; UZAN GUETA, Rozi Ravit; LEWKOWICZ, Ayala; GOTTFRIED, Yossi; FAYGEN-BOIM-ORNAL, Rotem; EYLON, Bat-Hen; FREILICH, Shay; HAKIM, Motti; SAPIR, Yair; MANDEL, Ilana; BEN-MOSHE, Tehila; SHULMAN, Avidor  
 (74) Collison & Co

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(71) BIOZERO C LTD  
 (11) AU-A-2022400284  
 (21) 2022400284 (22) 05.12.2022  
 (54) METHODS OF PRODUCING MINERAL BASED MATERIAL  
 (51) Int. Cl.  
**C04B 28/10** ( 2006.01 )  
 (87) WO2023/099925  
 (31) 2117565.8 (32) 05.12.21 (33) GB  
 (43) 08.06.2023  
 (72) SOMERVILLE, John Matthew; ANDERSSON, Liv Amelia; YUEN, Fanny; IVANKOVIC, Davor; DE LUSSY KUBISA, Laurence  
 (74) FPA Patent Attorneys Pty Ltd

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(71) BISICHEM CO., LTD.  
 (11) AU-A-2023207026  
 (21) 2023207026 (22) 10.01.2023  
 (54) FUSED HETEROARYL HYDROXAMATES AS STING AGONISTS  
 (51) Int. Cl.  
**C07D 403/14** ( 2006.01 )  
**A61K 31/4184** ( 2006.01 )  
**A61K 31/454** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
 (87) WO2023/136589  
 (31) 63/298,273 (32) 11.01.22 (33) US  
 (43) 20.07.2023  
 (72) SEO, Jeongbeob; HAN, Cheolkyu; YOON, Cheolhwan; YANG, Inho; KIM, Sunjoo; KANG, Hongjun; SHIN, Youngdo; JEON, Seeun; LEE, Jungwoo; KANG, Byungnam; JEON, Sunhwa; LEE, Jinwoo  
 (74) Spruson & Ferguson

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 (54) COMBINATIONS OF CURCUMIN AND URSOLIC ACID AND USES THEREOF  
 (51) Int. Cl.  
**A61P 35/04** ( 2006.01 )  
**A23L 33/105** ( 2016.01 )  
**A61K 9/20** ( 2006.01 )

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**(31)** 63/280,831 **(32)** 18.11.21 **(33)** US  
**(43)** 25.05.2023  
**(72)** LISS, Michael A.; DIGIOVANNI, John;  
 SAHA, Achinto  
**(74)** IP Flourish
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- (71)** BOSTON SCIENTIFIC NEUROMODULATION CORPORATION  
**(11)** AU-A-2022380481  
**(21)** 2022380481 **(22)** 02.11.2022  
**(54)** CLOSED LOOP STIMULATION BASED ON RESPONSE AVOIDANCE  
**(51)** Int. Cl.  
**A61N 1/36** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**A61N 1/05** ( 2006.01 )  
**A61N 1/372** ( 2006.01 )  
**(87)** WO2023/081180  
**(31)** 63/276,026 **(32)** 05.11.21 **(33)** US  
**(43)** 11.05.2023  
**(72)** ZHANG, Tianhe; ESTELLER, Rosana  
**(74)** Spruson & Ferguson
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- (71)** BOSTON SCIENTIFIC NEUROMODULATION CORPORATION  
**(11)** AU-A-2022380934  
**(21)** 2022380934 **(22)** 04.11.2022  
**(54)** PRESENTATION OF ELECTROSTIMULATION AND CLINICAL RESPONSE DATA  
**(51)** Int. Cl.  
**A61N 1/372** ( 2006.01 )  
**A61N 1/05** ( 2006.01 )  
**A61N 1/36** ( 2006.01 )  
**(87)** WO2023/081357  
**(31)** 63/276,027 **(32)** 05.11.21 **(33)** US  
**(43)** 11.05.2023  
**(72)** MOORE, Lisa Denise; FISCHHELL, Rachel Mae  
**(74)** Spruson & Ferguson
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- (71)** BPGPIO, INC.  
**(11)** AU-A-2022390803  
**(21)** 2022390803 **(22)** 17.11.2022  
**(54)** COMPOUNDS FOR USE IN TREATING GASTRIC CANCER  
**(51)** Int. Cl.  
**A61K 31/4196** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 35/04** ( 2006.01 )  
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**(31)** 63/280,540 **(32)** 17.11.21 **(33)** US  
**(43)** 25.05.2023  
**(72)** VISHNUDAS, Vivek, K.  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** BP P.L.C.  
**(11)** AU-A-2022419551  
**(21)** 2022419551 **(22)** 22.12.2022  
**(54)** MANGANESE TITANATE-CONTAINING FISCHER-TROPSCH CATALYST AND METHODS FOR MAKING AND USING SAME  
**(51)** Int. Cl.
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- B01J 23/34** ( 2006.01 )  
**B01J 21/06** ( 2006.01 )  
**B01J 23/889** ( 2006.01 )  
**B01J 35/00** ( 2006.01 )  
**B01J 37/02** ( 2006.01 )  
**B01J 37/18** ( 2006.01 )  
**C10G 2/00** ( 2006.01 )  
**(87)** WO2023/119238  
**(31)** 21217611.9 **(32)** 23.12.21 **(33)** EP  
**(43)** 29.06.2023  
**(72)** PATERSON, Alexander, James  
**(74)** Spruson & Ferguson
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- (71)** BRANDENBURGER LINER GMBH & CO. KG  
**(11)** AU-A-2022413033  
**(21)** 2022413033 **(22)** 22.11.2022  
**(54)** LINING TUBE FOR RESTORING DEFECTIVE SEWER SHAFTS INCLUDING A BERM AND A CHANNEL, AND METHOD FOR PRODUCING SAME, AND METHOD FOR LINING A DEFECTIVE SEWER SHAFT  
**(51)** Int. Cl.  
**F16L 11/04** ( 2006.01 )  
**E02D 29/12** ( 2006.01 )  
**E03F 3/06** ( 2006.01 )  
**F16L 55/165** ( 2006.01 )  
**(87)** WO2023/110332  
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**(43)** 22.06.2023  
**(72)** BUSS, Johannes  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
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- (71)** BRUSH ELECTRICAL MACHINES LTD.  
**(11)** AU-A-2022399990  
**(21)** 2022399990 **(22)** 02.12.2022  
**(54)** AN EXCITER CIRCUIT FOR A SYNCHRONOUS MACHINE  
**(51)** Int. Cl.  
**H02P 9/10** ( 2006.01 )  
**H02P 9/14** ( 2006.01 )  
**H02P 9/30** ( 2006.01 )  
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**(43)** 08.06.2023  
**(72)** HLAVÁČ, Pavel; LEPŠÍ, Jirí; NAVRATIL, Daniel  
**(74)** Patent Attorney Services
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- (71)** BUILDAI PTY LTD  
**(11)** AU-A-2022387147  
**(21)** 2022387147 **(22)** 12.11.2022  
**(54)** DEVICE FOR MONITORING A CONSTRUCTION SITE  
**(51)** Int. Cl.  
**B66C 13/18** ( 2006.01 )  
**B66C 23/26** ( 2006.01 )  
**(87)** WO2023/081982  
**(31)** 2021903629 **(32)** 12.11.21 **(33)** AU  
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**(72)** BUTCHER, Kristian  
**(74)** Griffith Hack
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- (71)** BURNDY, LLC  
**(11)** AU-A-2022413282  
**(21)** 2022413282 **(22)** 16.12.2022  
**(54)** CONNECTOR WITH CAPTIVE INTER-FACE  
**(51)** Int. Cl.  
**H01R 4/50** ( 2006.01 )  
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**(31)** 63/290,593 **(32)** 16.12.21 **(33)** US  
 63/291,041 17.12.21 US  
**(43)** 22.06.2023  
**(72)** YORK, Charles, L., III; SCHRADER, Gary, E.; JUSHCHYSHYN, Jeremy  
**(74)** Eagar & Associates Pty Ltd
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- (71)** BUSHNELL HOLDINGS, INC.  
**(11)** AU-A-2022410638  
**(21)** 2022410638 **(22)** 15.12.2022  
**(54)** TELESCOPING SUPPORT STAND APPARATUS  
**(51)** Int. Cl.  
**F16M 11/26** ( 2006.01 )  
**F16M 11/04** ( 2006.01 )  
**F16M 11/14** ( 2006.01 )  
**F16M 11/16** ( 2006.01 )  
**F16M 11/20** ( 2006.01 )  
**F16M 11/32** ( 2006.01 )  
**F16M 11/38** ( 2006.01 )  
**(87)** WO2023/114431  
**(31)** 63/289,989 **(32)** 15.12.21 **(33)** US  
 63/289,917 15.12.21 US  
**(43)** 22.06.2023  
**(72)** THOMASON, Jacob, R.; GREY, Garrett, T.  
**(74)** Spruson & Ferguson
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- (71)** BUSHNELL HOLDINGS, INC.  
**(11)** AU-A-2022415445  
**(21)** 2022415445 **(22)** 15.12.2022  
**(54)** GUN-MOUNTED TELESCOPING SUPPORT STAND APPARATUS  
**(51)** Int. Cl.  
**F16M 11/04** ( 2006.01 )  
**F16M 11/14** ( 2006.01 )  
**F16M 11/26** ( 2006.01 )  
**(87)** WO2023/114380  
**(31)** 63/289,989 **(32)** 15.12.21 **(33)** US  
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**(43)** 22.06.2023  
**(72)** GREY, Garrett, T.; THOMASON, Jacob, R.  
**(74)** Spruson & Ferguson
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- (71)** CAPE ANALYTICS, INC.  
**(11)** AU-A-2022409205  
**(21)** 2022409205 **(22)** 02.12.2022  
**(54)** SYSTEM AND METHOD FOR CHANGE ANALYSIS  
**(51)** Int. Cl.  
**G01C 11/06** ( 2006.01 )  
**G01C 11/02** ( 2006.01 )  
**G01C 11/04** ( 2006.01 )  
**G06N 20/00** ( 2019.01 )  
**(87)** WO2023/114027  
**(31)** 63/290,174 **(32)** 16.12.21 **(33)** US  
 63/350,124 08.06.22 US

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 (72) PORTAIL, Matthieu; WEGG, Christopher; RICHTER, Fabian  
 (74) PIPERS

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 (11) AU-A-2023208758  
 (21) 2023208758 (22) 19.01.2023  
 (54) SYSTEM AND METHOD FOR OBJECT ANALYSIS  
 (51) Int. Cl.  
*G06F 18/211* ( 2023.01 )  
*G06F 30/13* ( 2020.01 )  
*G06T 7/11* ( 2017.01 )  
*G06T 7/62* ( 2017.01 )  
*G06V 10/75* ( 2022.01 )  
*G06V 10/771* ( 2022.01 )  
*G06V 20/10* ( 2022.01 )  
*G06F 18/2132* ( 2023.01 )  
*G06T 7/33* ( 2017.01 )  
*G06T 7/38* ( 2017.01 )  
*G06V 20/70* ( 2022.01 )  
 (87) WO2023/141192  
 (31) 63/300,736 (32) 19.01.22 (33) US  
 (43) 27.07.2023  
 (72) PORTAIL, Matthieu; WEGG, Christopher; NIKOUEI MAHANI, Mohammad-Ali  
 (74) PIPERS

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(71) CAPITAL ONE SERVICES, LLC  
 (11) AU-A-2022401525  
 (21) 2022401525 (22) 23.11.2022  
 (54) SYSTEM AND TECHNIQUES FOR AUTHENTICATED WEBSITE BASED CHECKOUT USING UNIFORM RESOURCE LOCATOR  
 (51) Int. Cl.  
*G06Q 20/12* ( 2012.01 )  
*G06Q 20/32* ( 2012.01 )  
*G06Q 20/34* ( 2012.01 )  
*G06Q 20/38* ( 2012.01 )  
*G06Q 20/42* ( 2012.01 )  
 (87) WO2023/101879  
 (31) 17/538,351 (32) 30.11.21 (33) US  
 (43) 08.06.2023  
 (72) RULE, Jeffrey; OSBORN, Kevin  
 (74) GLMR

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(71) CAPITAL ONE SERVICES, LLC  
 (11) AU-A-2022415183  
 (21) 2022415183 (22) 23.11.2022  
 (54) KEY RECOVERY BASED ON CONTACTLESS CARD AUTHENTICATION  
 (51) Int. Cl.  
*G06Q 20/38* ( 2012.01 )  
*G06Q 20/32* ( 2012.01 )  
*G06Q 20/34* ( 2012.01 )  
*G06Q 20/36* ( 2012.01 )  
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 (31) 17/551,670 (32) 15.12.21 (33) US  
 (43) 22.06.2023  
 (72) OSBORN, Kevin; PRASAD, Jaikishan; CATALA CASTELLAR, Jose  
 (74) GLMR

(71) CATERPILLAR GLOBAL MINING EQUIPMENT LLC  
 (11) AU-A-2022398346  
 (21) 2022398346 (22) 22.11.2022  
 (54) BATTERY MANAGEMENT FOR MACHINE SERVICE OPERATIONS  
 (51) Int. Cl.  
*B60L 58/12* ( 2019.01 )  
*B60L 15/20* ( 2006.01 )  
*H02J 7/00* ( 2006.01 )  
 (87) WO2023/097208  
 (31) 17/537,365 (32) 29.11.21 (33) US  
 (43) 01.06.2023  
 (72) LANE, Cameron T.  
 (74) Patent Attorney Services

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(71) CATERPILLAR GLOBAL MINING EQUIPMENT LLC  
 (11) AU-A-2022398618  
 (21) 2022398618 (22) 22.11.2022  
 (54) BRAKE CONTROL SYSTEM FOR BATTERY-POWERED MACHINE  
 (51) Int. Cl.  
*B60L 7/18* ( 2006.01 )  
*B60L 7/08* ( 2006.01 )  
*B60L 7/26* ( 2006.01 )  
 (87) WO2023/097209  
 (31) 17/537,420 (32) 29.11.21 (33) US  
 (43) 01.06.2023  
 (72) SCHNEIDER, Karl P.; LANE, Cameron T.  
 (74) Patent Attorney Services

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(71) CATERPILLAR INC.  
 (11) AU-A-2022396060  
 (21) 2022396060 (22) 15.11.2022  
 (54) TERMINAL ASSEMBLY FOR CONDUCTOR ROD HAVING MULTIPLE DEGREES OF FREEDOM  
 (51) Int. Cl.  
*H01R 25/14* ( 2006.01 )  
*B60L 5/42* ( 2006.01 )  
*B60M 7/00* ( 2006.01 )  
*H01R 24/38* ( 2011.01 )  
*H01R 35/00* ( 2006.01 )  
 (87) WO2023/096770  
 (31) 17/535,235 (32) 24.11.21 (33) US  
 (43) 01.06.2023  
 (72) STRASHNY, Igor  
 (74) Patent Attorney Services

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(71) CATERPILLAR INC.  
 (11) AU-A-2022396067  
 (21) 2022396067 (22) 16.11.2022  
 (54) SLIDABLE NESTED CONDUCTORS  
 (51) Int. Cl.  
*H01R 25/14* ( 2006.01 )  
*B60L 5/24* ( 2006.01 )  
*B60M 7/00* ( 2006.01 )  
*H01R 24/38* ( 2011.01 )  
 (87) WO2023/096789  
 (31) 17/456,479 (32) 24.11.21 (33) US  
 (43) 01.06.2023  
 (72) STRASHNY, Igor  
 (74) Patent Attorney Services

(71) CATERPILLAR INC.  
 (11) AU-A-2022397211  
 (21) 2022397211 (22) 16.11.2022  
 (54) BATTERY MANAGEMENT FOR ELECTRIC MATERIAL-DISPENSING MACHINE  
 (51) Int. Cl.  
*B60L 58/12* ( 2019.01 )  
*B60W 30/10* ( 2006.01 )  
*B60W 40/13* ( 2012.01 )  
*B60W 50/00* ( 2006.01 )  
 (87) WO2023/096791  
 (31) 17/537,405 (32) 29.11.21 (33) US  
 (43) 01.06.2023  
 (72) BRAUNSTEIN, Michael, Dennis; LANE, Cameron, Thomas  
 (74) Patent Attorney Services

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(71) CATERPILLAR INC.  
 (11) AU-A-2022399563  
 (21) 2022399563 (22) 22.11.2022  
 (54) CONNECTOR ASSEMBLY FOR CHARGING WORK MACHINE  
 (51) Int. Cl.  
*H02J 7/00* ( 2006.01 )  
*H01R 13/00* ( 2006.01 )  
 (87) WO2023/102333  
 (31) 17/457,305 (32) 02.12.21 (33) US  
 (43) 08.06.2023  
 (72) BAUMANN, Jonathan M.  
 (74) Patent Attorney Services

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(71) CATERPILLAR INC.  
 (11) AU-A-2022401813  
 (21) 2022401813 (22) 16.11.2022  
 (54) SYSTEMS AND METHODS FOR IDENTIFYING MACHINE ANOMALY ROOT CAUSE  
 (51) Int. Cl.  
*E02F 9/26* ( 2006.01 )  
 (87) WO2023/101812  
 (31) 17/539,011 (32) 30.11.21 (33) US  
 (43) 08.06.2023  
 (72) LIN, David, J.; JEWELL, Tyler, P.; ORGAN, Daniel, J.; SUNDARARAJ, Vivek; YALAMANCHILI, Vijay, K.; PARK, Chanyoung; RUTAN, William, Kent; SUN, Kaimei  
 (74) Patent Attorney Services

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(71) CATERPILLAR INC.  
 (11) AU-A-2022401825  
 (21) 2022401825 (22) 23.11.2022  
 (54) SYSTEMS AND METHODS FOR PREDICTING A TARGET EVENT ASSOCIATED WITH A MACHINE  
 (51) Int. Cl.  
*G06Q 10/20* ( 2023.01 )  
 (87) WO2023/101872  
 (31) 17/539,542 (32) 01.12.21 (33) US  
 (43) 08.06.2023  
 (72) SRIVASTAVA, Anshu  
 (74) Patent Attorney Services

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(71) CATERPILLAR INC.  
 (11) AU-A-2022403553  
 (21) 2022403553 (22) 21.11.2022



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 (51) Int. Cl.  
*G06F 40/58* ( 2020.01 )  
*G06F 16/33* ( 2019.01 )  
 (87) WO2023/101840  
 (31) 17/542,179 (32) 03.12.21 (33) US  
 (43) 08.06.2023  
 (72) KRISHNAIAH, Manjunath P.; GABRIELSE, Daniel E.; MADDINENI, Pradeep; BAGAVATSSING, Arunprasad  
 (74) Patent Attorney Services
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- (71) CATERPILLAR INC.  
 (11) AU-A-2022405463  
 (21) 2022405463 (22) 22.11.2022  
 (54) THIN COATINGS FOR HYDRAULIC COMPONENTS  
 (51) Int. Cl.  
*C23C 4/02* ( 2006.01 )  
*C23C 4/10* ( 2016.01 )  
*C23C 4/129* ( 2016.01 )  
*C23C 4/18* ( 2006.01 )  
 (87) WO2023/107821  
 (31) 17/643,343 (32) 08.12.21 (33) US  
 (43) 15.06.2023  
 (72) SORDELET, Daniel J.; GOSLOVICH, Kurt S.; HENDERSON, Steven J.  
 (74) Patent Attorney Services
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- (71) CATERPILLAR INC.  
 (11) AU-A-2022408013  
 (21) 2022408013 (22) 23.11.2022  
 (54) TAIL EXTENSION FOR A TRUCK BED  
 (51) Int. Cl.  
*B60P 1/28* ( 2006.01 )  
 (87) WO2023/107280  
 (31) 17/548,421 (32) 10.12.21 (33) US  
 (43) 15.06.2023  
 (72) LEE, One Chul; BROMENSHENKEL, Timothy James  
 (74) Patent Attorney Services
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- (71) CAVENDISH NUCLEAR LIMITED  
 (11) AU-A-2022419447  
 (21) 2022419447 (22) 22.12.2022  
 (54) IMPROVEMENTS IN AND RELATING TO ULTRASOUND PROBES  
 (51) Int. Cl.  
*G01N 29/22* ( 2006.01 )  
*G01N 29/24* ( 2006.01 )  
*G01N 29/265* ( 2006.01 )  
*G01N 29/28* ( 2006.01 )  
 (87) WO2023/118879  
 (31) 2118780.2 (32) 22.12.21 (33) GB  
 (43) 29.06.2023  
 (72) VITHANAGE, Randika Kosala Wathavana; MACLEOD, Charles Norman; LINES, David Ian Arthur  
 (74) WRAYS PTY LTD
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- (71) CAVENDISH NUCLEAR LIMITED  
 (11) AU-A-2022419448  
 (21) 2022419448 (22) 22.12.2022  
 (54) IMPROVEMENTS IN AND RELATING TO ULTRASOUND PROBES  
 (51) Int. Cl.  
*G01N 29/22* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
 (87) WO2023/091865  
 (31) PCT/ CN2021/129380 (32) 08.11.21 (33) CN  
 (43) 29.06.2023
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- (71) CAVENDISH NUCLEAR LIMITED  
 (11) AU-A-202241023  
 (21) 2022421023 (22) 22.12.2022  
 (54) IMPROVEMENTS IN AND RELATING TO WELDING AND QUALITY CONTROL  
 (51) Int. Cl.  
*G01N 29/22* ( 2006.01 )  
*B23K 31/12* ( 2006.01 )  
*G01N 29/44* ( 2006.01 )  
 (87) WO2023/118877  
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**C07D 239/94** ( 2006.01 )  
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**A23L 33/135** ( 2016.01 )  
**A61K 35/742** ( 2015.01 )  
C12R 1/07 ( 2006.01 )
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**C12N 1/20** ( 2006.01 )  
**A23L 33/135** ( 2016.01 )  
**A61K 35/742** ( 2015.01 )  
C12R 1/11 ( 2006.01 )
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**E21B 47/07** ( 2012.01 )  
**F42B 3/00** ( 2006.01 )  
**F42C 11/06** ( 2006.01 )  
**F42D 1/08** ( 2006.01 )
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**C07C 271/44** ( 2006.01 )  
**A61K 31/265** ( 2006.01 )  
**A61K 31/27** ( 2006.01 )  
**A61P 25/04** ( 2006.01 )  
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**A61P 29/00** ( 2006.01 )
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(54) CANNABIDIOL DERIVATIVE, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF
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**C07C 69/017** ( 2006.01 )  
**A61K 31/05** ( 2006.01 )  
**A61P 1/08** ( 2006.01 )  
**C07C 219/04** ( 2006.01 )  
**C07C 229/12** ( 2006.01 )  
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**G01N 15/14** ( 2006.01 )  
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**G10L 19/008** ( 2013.01 )  
**H04S 7/00** ( 2006.01 )
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 C08F 220/10 ( 2006.01 )  
 C08G 77/16 ( 2006.01 )  
 C08L 33/02 ( 2006.01 )  
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 A61K 31/353 ( 2006.01 )  
 A23L 33/10 ( 2016.01 )  
 A61K 31/445 ( 2006.01 )  
 A61P 25/28 ( 2006.01 )  
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 (54) METHOD AND SYSTEM FOR BENEFICIATION  
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 B02C 4/30 ( 2006.01 )  
 B02C 23/08 ( 2006.01 )  
 C22B 3/02 ( 2006.01 )  
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 C07D 403/02 ( 2006.01 )  
 A61K 31/167 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
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 H01M 8/04537 ( 2016.01 )  
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 H05B 6/64 ( 2006.01 )  
 B23K 26/21 ( 2014.01 )  
 F24C 15/00 ( 2006.01 )  
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 (51) Int. Cl.  
 A61K 31/519 ( 2006.01 )  
 A61K 31/506 ( 2006.01 )  
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 A61P 35/00 ( 2006.01 )  
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 (51) Int. Cl.  
 A01G 24/60 ( 2018.01 )  
 A01G 9/029 ( 2018.01 )  
 A01G 9/08 ( 2006.01 )  
 A01G 24/44 ( 2018.01 )  
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 F03D 13/25 ( 2016.01 )  
 B63B 21/50 ( 2006.01 )  
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*A01K 51/00* ( 2006.01 )  
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(54) METHOD OF PROTEIN PURIFICATION  
(51) Int. Cl.  
*C07K 1/30* ( 2006.01 )  
*C07K 1/14* ( 2006.01 )  
*C07K 1/22* ( 2006.01 )  
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(54) PROCESS FOR PRODUCING AN NPK FERTILISER CONTAINING POTASSIUM PHOSPHATE AND AMMONIUM PHOSPHATE  
(51) Int. Cl.  
*C05B 7/00* ( 2006.01 )  
*C05G 5/20* ( 2020.01 )  
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*H02K 5/18* ( 2006.01 )  
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(74) IP SOLVED (ANZ) PTY. LTD.

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(21) 2022383892 (22) 15.11.2022  
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(51) Int. Cl.

*A23J 1/00* ( 2006.01 )  
*A23J 3/20* ( 2006.01 )  
*A23K 10/12* ( 2016.01 )  
*A23K 10/16* ( 2016.01 )  
*A23L 2/02* ( 2006.01 )  
*A23L 2/38* ( 2021.01 )  
*A23L 2/52* ( 2006.01 )  
*A23L 2/58* ( 2006.01 )  
*A23L 2/66* ( 2006.01 )  
*A23L 5/20* ( 2016.01 )  
*A23L 5/46* ( 2016.01 )  
*A23L 29/00* ( 2016.01 )  
*A23L 33/135* ( 2016.01 )  
*A23L 33/195* ( 2016.01 )  
*A61K 8/9722* ( 2017.01 )  
*A61K 35/748* ( 2015.01 )  
*C12N 1/06* ( 2006.01 )  
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(21) 2022412872 (22) 14.12.2022  
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(51) Int. Cl.  
*G06T 7/00* ( 2017.01 )  
*A61B 5/00* ( 2006.01 )  
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(54) NEW DIALYSIS FLUID  
(51) Int. Cl.  
*A61K 31/19* ( 2006.01 )  
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*A61K 31/12* ( 2006.01 )  
*A61K 31/198* ( 2006.01 )  
*A61K 31/7004* ( 2006.01 )  
*A61K 31/77* ( 2006.01 )  
*A61K 33/00* ( 2006.01 )  
*A61M 1/14* ( 2006.01 )  
*A61M 1/28* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
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(43) 08.06.2023  
(72) HOBRO, Sture; NILSSON, Anders  
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*A61K 31/121* ( 2006.01 )  
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*A61K 33/00* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
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(54) MEMBRANE COATED WITH POLY-DOPAMINE AND CHONDROITIN AND PROCESS FOR PRODUCING SAME  
(51) Int. Cl.

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**A61M 1/16** ( 2006.01 )  
**A61M 1/34** ( 2006.01 )  
**B01D 71/44** ( 2006.01 )  
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**(11)** AU-A-2022407242  
**(21)** 2022407242 **(22)** 08.12.2022  
**(54)** ANTIBODY-CYTOKINE FUSION PROTEINS AND APPLICATIONS THEREOF  
**(51)** Int. Cl.  
**C07K 19/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 14/54** ( 2006.01 )  
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**(72)** QIN, Gang; SONG, Paul H.; YANG, Dong; LV, Cao  
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**(51)** Int. Cl.  
**A61K 31/33** ( 2006.01 )  
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**A61K 31/4545** ( 2006.01 )  
**A61K 31/403** ( 2006.01 )  
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**(43)** 11.05.2023  
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**(74)** Davies Collison Cave Pty Ltd
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**(54)** AKT3 MODULATORS  
**(51)** Int. Cl.  
**C07D 497/12** ( 2006.01 )  
**A61P 25/14** ( 2006.01 )  
**A61P 35/02** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
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**(54)** AKT3 MODULATORS  
**(51)** Int. Cl.  
**A61K 31/167** ( 2006.01 )  
**C07D 213/74** ( 2006.01 )  
**C07D 401/12** ( 2006.01 )  
**C07D 401/14** ( 2006.01 )  
**(87)** WO2023/081854  
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**(21)** 2022416366 **(22)** 11.07.2022  
**(54)** SUSPENSION ASSEMBLY FOR A SLIDING DOOR  
**(51)** Int. Cl.  
**E05D 15/06** ( 2006.01 )  
**E05F 15/643** ( 2015.01 )  
**(87)** WO2023/110169  
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**(72)** PFEUTI, Andreas; BAPST, Yanick  
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- (71)** GISLER, M.  
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**(54)** SOLAR MODULE  
**(51)** Int. Cl.  
**H01L 31/048** ( 2014.01 )  
**H02S 40/22** ( 2014.01 )  
**(87)** WO2023/131535  
**(31)** CH000016/2022 **(32)** 04.01.22 **(33)** CH  
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**B01J 23/20** ( 2006.01 )  
**B01J 35/00** ( 2006.01 )  
**B01J 37/02** ( 2006.01 )  
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**(54)** SLOW-RELEASE FORMULATION  
**(51)** Int. Cl.  
**A01N 31/06** ( 2006.01 )  
**A01P 17/00** ( 2006.01 )  
**C07H 15/203** ( 2006.01 )  
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**(51)** Int. Cl.  
**G10L 13/00** ( 2006.01 )  
**G06N 3/0455** ( 2023.01 )  
**G06N 3/0475** ( 2023.01 )  
**G10L 25/30** ( 2013.01 )  
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**F24F 5/00** ( 2006.01 )  
**E04B 1/00** ( 2006.01 )  
**F24F 7/00** ( 2021.01 )  
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*B64B 1/06* ( 2006.01 )  
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*G01V 5/00* ( 2006.01 )  
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*A61P 1/00* ( 2006.01 )  
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 A61Q 19/00 ( 2006.01 )  
 C07D 221/04 ( 2006.01 )  
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 (51) Int. Cl.  
 C07D 233/90 ( 2006.01 )  
 A61K 31/4164 ( 2006.01 )  
 A61P 17/00 ( 2006.01 )  
 A61P 31/04 ( 2006.01 )  
 A61P 31/10 ( 2006.01 )  
 (87) WO2023/106320  
 (31) 2021-199461 (32) 08.12.21 (33) JP  
 (43) 15.06.2023  
 (72) SHIKAMA Hiroshi; HIGUCHI Koji; ATSUMI Shogo; SHIOTA Hiroto; IMURA Takayuki  
 (74) Davies Collison Cave Pty Ltd

(71) ISLAND TECHNOLOGY, INC.  
 (11) AU-A-2022398199  
 (21) 2022398199 (22) 24.11.2022  
 (54) ENFORCEMENT OF ENTERPRISE BROWSER USE  
 (51) Int. Cl.  
 H04L 9/40 ( 2022.01 )  
 (87) WO2023/095053  
 (31) 63/282,701 (32) 24.11.21 (33) US  
 (43) 01.06.2023  
 (72) ISRAELI, Raviv; LANZMAN, Sergey; AMIGA, Dan; ROTH, Jonathan; DROR, Amit; YORKOVSKY, Ofer  
 (74) Spruson & Ferguson

(71) ISLAND TECHNOLOGY, INC.  
 (11) AU-A-2022412062  
 (21) 2022412062 (22) 14.12.2022  
 (54) DELETING WEB BROWSER DATA  
 (51) Int. Cl.  
 H04L 9/40 ( 2022.01 )  
 G06F 16/34 ( 2019.01 )  
 H04L 67/02 ( 2022.01 )  
 (87) WO2023/111889  
 (31) 63/289,169 (32) 14.12.21 (33) US  
 (43) 22.06.2023  
 (72) DROR, Amit; ROTMAN, Dor; LEIBOVICH, Roi; AMIGA, Dan  
 (74) Spruson & Ferguson

(71) ISLAND TECHNOLOGY, INC.  
 (11) AU-A-2022412063  
 (21) 2022412063 (22) 14.12.2022  
 (54) ENABLING WEB BROWSER EXTENSIONS TO PERFORM ASYNCHRONOUS BLOCKING OPERATIONS  
 (51) Int. Cl.  
 G06F 9/445 ( 2018.01 )  
 (87) WO2023/111894  
 (31) 63/289,172 (32) 14.12.21 (33) US  
 (43) 22.06.2023  
 (72) GOLAN, San; ZUARETES, Liron; AMIGA, Dan  
 (74) Spruson & Ferguson

(71) ISLAND TECHNOLOGY, INC.  
 (11) AU-A-2022417042  
 (21) 2022417042 (22) 14.12.2022  
 (54) DEFENDING WEB BROWSERS AGAINST MAN-IN-THE-MIDDLE ATTACKS

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

- (51) Int. Cl.  
**H04L 9/40** ( 2022.01 )  
**G06F 21/33** ( 2013.01 )  
**H04L 9/32** ( 2006.01 )
- (87) WO2023/111893  
(31) 63/289,168 (32) 14.12.21 (33) US  
(43) 22.06.2023  
(72) LEIBOVICH, Roi; LESHENKO, Nikita;  
DALAL, Ron; AMIGA, Dan  
(74) Spruson & Ferguson
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- (71) ISOBIONICS B.V.  
(11) AU-A-2022415374  
(21) 2022415374 (22) 12.12.2022  
(54) RECOMBINANT MANUFACTURE OF  
SANTALENE  
(51) Int. Cl.  
**C12N 9/88** ( 2006.01 )  
**C12P 5/00** ( 2006.01 )
- (87) WO2023/110729  
(31) 21214164.2 (32) 13.12.21 (33) EP  
(43) 22.06.2023  
(72) DURAIRAJ, Janani; VAN DIJK, Aait-  
Jan; HESSELINK, Thamara; BEEK-  
WILDER, Martinus Julius; MELILLO,  
Elena  
(74) Griffith Hack
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- (71) JANSSEN BIOTECH, INC.  
(11) AU-A-2022377084  
(21) 2022377084 (22) 01.11.2022  
(54) COMPOSITIONS AND METHODS  
FOR THE MODULATION OF BETA  
CHAIN-MEDIATED IMMUNITY  
(51) Int. Cl.  
**C07K 16/28** ( 2006.01 )
- (87) WO2023/077155  
(31) 63/274,430 (32) 01.11.21 (33) US  
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63/274,449 01.11.21 US  
(43) 04.05.2023  
(72) GANESAN, Rajkumar; GREWAL, Iqbal,  
S.; SINGH, Sanjaya; HANSEN, Mi-  
chael, Riis  
(74) Spruson & Ferguson
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- (71) JANSSEN BIOTECH, INC.  
(11) AU-A-2022380155  
(21) 2022380155 (22) 03.11.2022  
(54) CORTICOSTERIOD REDUCTION IN  
TREATMENT WITH ANTI-CD38 ANTI-  
BODIES  
(51) Int. Cl.  
**A61P 35/00** ( 2006.01 )  
**A61K 31/573** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )
- (87) WO2023/079494  
(31) 63/275,157 (32) 03.11.21 (33) US  
63/280,791 18.11.21 US  
63/288,785 13.12.21 US  
63/394,726 03.08.22 US  
(43) 11.05.2023  
(72) HELLEMANS, Peter; QI, Ming  
(74) Spruson & Ferguson
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- (71) JANSSEN BIOTECH, INC.  
(11) AU-A-2022380722  
(21) 2022380722 (22) 02.11.2022  
(54) METHODS OF TREATING CANCERS  
AND ENHANCING EFFICACY OF  
BCMAXCD3 BISPECIFIC ANTIBODIES  
(51) Int. Cl.  
**A61P 35/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )
- (87) WO2023/081705  
(31) 63/275,368 (32) 03.11.21 (33) US  
63/288,279 10.12.21 US  
63/348,036 02.06.22 US  
(43) 11.05.2023  
(72) GOLDBERG, Jenna; JASIELEC, Ja-  
goda; VERONA, Raluca; WEISS,  
Brendan  
(74) Spruson & Ferguson
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- (71) JANSSEN BIOTECH, INC.  
(11) AU-A-2022382978  
(21) 2022382978 (22) 02.11.2022  
(54) METHODS OF TREATING CANCERS  
AND ENHANCING EFFICACY OF  
GPRC5DXCD3 BISPECIFIC ANTIBOD-  
IES  
(51) Int. Cl.  
**A61P 35/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )
- (87) WO2023/081704  
(31) 63/275,356 (32) 03.11.21 (33) US  
(43) 11.05.2023  
(72) GOLDBERG, Jenna; WANG LIN, Shun  
Xin; PRIOR, Thomas J.; VERONA,  
Raluca; WEISS, Brendan  
(74) Spruson & Ferguson
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- (71) JAPAN INTERNATIONAL RESEARCH  
CENTER FOR AGRICULTURAL SCI-  
ENCES; IHI CORPORATION  
(11) AU-A-2023206292  
(21) 2023206292 (22) 13.01.2023  
(54) METHOD FOR DECOMPOSING  
PROTEIN-CONTAINING CELLU-  
LOSE-BASED FIBER MATERIAL  
(51) Int. Cl.  
**C12N 1/00** ( 2006.01 )
- (87) WO2023/136335  
(31) 2022-004500 (32) 14.01.22 (33) JP  
(43) 20.07.2023  
(72) KOSUGI Akihiko; UKE Ayaka;  
YAMASHITA Masaharu; KITANO Mi-  
kako; ISHII Kosuke  
(74) Spruson & Ferguson
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- (71) JFE STEEL CORPORATION  
(11) AU-A-2023223720  
(21) 2023223720 (22) 26.01.2023  
(54) STEEL PLATE AND METHOD FOR  
MANUFACTURING SAME  
(51) Int. Cl.  
**C22C 38/00** ( 2006.01 )  
**C21D 8/02** ( 2006.01 )  
**C22C 38/06** ( 2006.01 )  
**C22C 38/60** ( 2006.01 )
- (87) WO2023/162571  
(31) 2022-027290 (32) 24.02.22 (33) JP
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- (43) 31.08.2023  
(72) YASUDA Kyono; SHIOTANI Kazuhiko  
(74) Davies Collison Cave Pty Ltd
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- (71) JIANGSU SHEMAR ELECTRIC CO.,  
LTD.  
(11) AU-A-2022427639  
(21) 2022427639 (22) 28.12.2022  
(54) HIGH-VOLTAGE WINDING AND  
METHOD FOR PREPARING HIGH-  
VOLTAGE WINDING  
(51) Int. Cl.  
**H01F 27/08** ( 2006.01 )  
**H01F 27/22** ( 2006.01 )  
**H01F 27/28** ( 2006.01 )  
**H01F 27/29** ( 2006.01 )  
**H01F 27/30** ( 2006.01 )  
**H01F 27/32** ( 2006.01 )  
**H01F 27/34** ( 2006.01 )  
**H01F 41/06** ( 2016.01 )  
**H01F 41/076** ( 2016.01 )  
**H01F 41/12** ( 2006.01 )
- (87) WO2023/125633  
(31) 202111647803.2 (32) 29.12.21 (33) CN  
202111644185.6 29.12.21 CN  
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(43) 06.07.2023  
(72) MA, Bin; MA, Tingting; ZHANG, Xinxin;  
ZHOU, Shuchen; ZHANG, Xiaorong;  
LIU, Chao  
(74) James & Wells Intellectual Property
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- (71) JINKO SOLAR (HAINING) CO., LTD.  
(11) AU-A-2023312379  
(21) 2023312379 (22) 10.10.2023  
(54) SOLAR CELL AND PHOTOVOLTAIC  
MODULE  
(51) Int. Cl.  
**H01L 31/02** ( 2006.01 )  
**H01L 31/0224** ( 2006.01 )
- (31) 202223317662.0 (32) 06.12.22 (33) CN  
(43) 20.06.2024  
(72) ZHAO, Zijie; HUANG, Shiliang; GUO,  
Zhiqiu  
(74) Madderns Pty Ltd
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- (71) JOYOUNG COMPANY LIMITED  
(11) AU-A-2022404342  
(21) 2022404342 (22) 23.11.2022  
(54) EASILY-CLEANED RICE COOKER  
(51) Int. Cl.  
**A47J 27/00** ( 2006.01 )
- (87) WO2023/103775  
(31) 202111472568.X (32) 06.12.21 (33) CN  
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202211314733.3 06.12.21 CN  
(43) 15.06.2023  
(72) ZHU, Zechun; LI, Yang; YU, Lingzhen;  
WANG, Tao  
(74) Michael Buck IP
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- (71) KABUSHIKI KAISHA TOSHIBA;  
TOSHIBA ENERGY SYSTEMS &  
SOLUTIONS CORPORATION  
(11) AU-A-2021478659

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(21) 2021478659 (22) 16.12.2021  
**(54)** ELECTRIC POWER CONVERSION DEVICE AND PROGRAM  
**(51)** Int. Cl.  
*H02M 7/48* ( 2007.01 )  
**(87)** WO2023/112234  
**(43)** 22.06.2023  
**(72)** AKIYAMA, Yukina; KAWACHI, Shunsuke; KUDO, Yuki; SAKAUCHI, Yoko; TOBA, Koji; MITSUMOTO, Kenji; TAKEDA, Daisuke  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** KABUSHIKI KAISHA TOSHIBA; TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION  
**(11)** AU-A-2021479092  
**(21)** 2021479092 (22) 15.12.2021  
**(54)** POWER CONVERSION DEVICE AND PROGRAM  
**(51)** Int. Cl.  
*H02M 7/48* ( 2007.01 )  
**(87)** WO2023/112231  
**(43)** 22.06.2023  
**(72)** AKIYAMA, Yukina; KAWACHI, Shunsuke; KUDO, Yuki; SAKAUCHI, Yoko; TOBA, Koji; MITSUMOTO, Kenji; TAKEDA, Daisuke  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** KIMBERLY-CLARK WORLDWIDE, INC.  
**(11)** AU-A-2021473934  
**(21)** 2021473934 (22) 19.11.2021  
**(54)** STRUCTURE FOR SEALING AND DISPENSING CLEANING ARTICLES  
**(51)** Int. Cl.  
*B65D 51/18* ( 2006.01 )  
*A47K 10/32* ( 2006.01 )  
**(87)** WO2023/091141  
**(43)** 25.05.2023  
**(72)** LEE, JongSoo Jacob; LIN, MingHuang; MORGAN, Traneil; SCHULZ, Thomas; YANG, Ning  
**(74)** Spruson & Ferguson

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**(71)** KINNATE BIOPHARMA INC.  
**(11)** AU-A-2022407440  
**(21)** 2022407440 (22) 07.12.2022  
**(54)** SOLID STATE FORMS OF AN FGFR INHIBITOR  
**(51)** Int. Cl.  
*A61K 31/4184* ( 2006.01 )  
*A61K 9/28* ( 2006.01 )  
*A61K 31/33* ( 2006.01 )  
*A61K 31/395* ( 2006.01 )  
*A61K 31/40* ( 2006.01 )  
*A61K 31/407* ( 2006.01 )  
**(87)** WO2023/107980  
**(31)** 63/287,212 (32) 08.12.21 (33) US  
**(43)** 15.06.2023  
**(72)** KALDOR, Stephen W.; KANOUNI, Toufike; PHIMISTER, Andrew; REDDY, Jayachandra P.; TYHONAS, John; CHOPADE, Shubham; PANDEY, Preetanshu; COX, Jason M.; KANIA, Robert  
**(74)** FB Rice Pty Ltd

**(71)** KIRAV LIMITED  
**(11)** AU-A-2022381826  
**(21)** 2022381826 (22) 08.11.2022  
**(54)** FOOTWEAR WITH TOE PORTIONS  
**(51)** Int. Cl.  
*A43B 5/02* ( 2006.01 )  
*A43B 7/26* ( 2006.01 )  
*A43B 23/00* ( 2006.01 )  
**(87)** WO2023/079178  
**(31)** 2115994.2 (32) 08.11.21 (33) GB  
**(43)** 11.05.2023  
**(72)** GREWAL, Kirav Singh  
**(74)** Madderns Pty Ltd

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**(71)** KIRIN HOLDINGS KABUSHIKI KAISHA  
**(11)** AU-A-2022417127  
**(21)** 2022417127 (22) 14.12.2022  
**(54)** FERMENTED COMPOSITION AND METHOD FOR PRODUCING SAME  
**(51)** Int. Cl.  
*A23C 9/12* ( 2006.01 )  
**(87)** WO2023/112941  
**(31)** 2021-203339 (32) 15.12.21 (33) JP  
**(43)** 22.06.2023  
**(72)** NAKANO, Akiko; KUBO, haruna; KUWAHIRA, Hideo  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** KLEINE, M.  
**(11)** AU-A-2022409564  
**(21)** 2022409564 (22) 14.12.2022  
**(54)** RECOVERY DEVICE  
**(51)** Int. Cl.  
*F26B 23/00* ( 2006.01 )  
*F28G 3/16* ( 2006.01 )  
**(87)** WO2023/111025  
**(31)** 21214691.4 (32) 15.12.21 (33) EP  
**(43)** 22.06.2023  
**(72)** KLEINE, Mathias  
**(74)** Spruson & Ferguson

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**(71)** KOMATSU LTD.  
**(11)** AU-A-2022403803  
**(21)** 2022403803 (22) 08.12.2022  
**(54)** WORK VEHICLE  
**(51)** Int. Cl.  
*B60L 1/00* ( 2006.01 )  
*B60L 7/14* ( 2006.01 )  
*B60L 58/33* ( 2019.01 )  
*B60T 5/00* ( 2006.01 )  
**(87)** WO2023/106373  
**(31)** 2021-200817 (32) 10.12.21 (33) JP  
**(43)** 15.06.2023  
**(72)** SAKUMA Go; HOSHINO Yuta  
**(74)** FB Rice Pty Ltd

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**(71)** KURARAY NORITAKE DENTAL INC.  
**(11)** AU-A-2022406467  
**(21)** 2022406467 (22) 09.12.2022  
**(54)** DENTAL CURABLE COMPOSITION  
**(51)** Int. Cl.  
*A61K 6/60* ( 2020.01 )  
*A61K 6/30* ( 2020.01 )  
*A61K 6/54* ( 2020.01 )  
*A61K 6/62* ( 2020.01 )

*A61K 6/71* ( 2020.01 )  
*A61K 6/887* ( 2020.01 )  
**(87)** WO2023/106419  
**(31)** 2021-200444 (32) 09.12.21 (33) JP  
**(43)** 15.06.2023  
**(72)** ATAKA Kensuke; NOJIRI Yamato  
**(74)** Spruson & Ferguson

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**(71)** K-UTEC AG SALT TECHNOLOGIES  
**(11)** AU-A-2022395751  
**(21)** 2022395751 (22) 25.11.2022  
**(54)** PREPARATION OF LITHIUM HYDROXIDE  
**(51)** Int. Cl.  
*C25B 1/16* ( 2006.01 )  
*C01D 1/32* ( 2006.01 )  
*C01D 15/02* ( 2006.01 )  
*C25B 15/08* ( 2006.01 )  
**(87)** WO2023/094616  
**(31)** 21210659.5 (32) 26.11.21 (33) EP  
**(43)** 01.06.2023  
**(72)** MARX, Heinrich; PFÄNDER, Markus; SCHULTHEIS, Bernd; NEY, Christoph; HEß, Jenny  
**(74)** FB Rice Pty Ltd

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**(71)** KYLIX PTY LTD  
**(11)** AU-A-2022387142  
**(21)** 2022387142 (22) 18.10.2022  
**(54)** WHEELCHAIR FRAME ASSEMBLY  
**(51)** Int. Cl.  
*A61G 5/08* ( 2006.01 )  
**(87)** WO2023/081957  
**(31)** 2021903630 (32) 12.11.21 (33) AU  
**(43)** 19.05.2023  
**(72)** SALFINGER, Paul Francis  
**(74)** Golja Haines & Friend

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**(71)** KYMERA THERAPEUTICS, INC.  
**(11)** AU-A-2022405440  
**(21)** 2022405440 (22) 09.12.2022  
**(54)** STAT3 DEGRADERS AND USES THEREOF  
**(51)** Int. Cl.  
*A61K 31/33* ( 2006.01 )  
*A61K 31/395* ( 2006.01 )  
*A61K 31/41* ( 2006.01 )  
*A61K 31/4523* ( 2006.01 )  
*A61K 31/66* ( 2006.01 )  
*A61K 31/427* ( 2006.01 )  
**(87)** WO2023/107706  
**(31)** 63/265,275 (32) 11.12.21 (33) US  
63/383,372 11.11.22 US  
**(43)** 15.06.2023  
**(72)** DE SAVI, Christopher; HO, Chris; RONG, Haojing; GOLLOB, Jared; ENERSON, Bradley; DEY, Joyoti; AGARWAL, Sagar; DIXIT, Vaishali; GOLLERKERI, Ashwin; MAYO, Michele; YANG, Bin  
**(74)** Spruson & Ferguson

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**(71)** KYMERA THERAPEUTICS, INC.  
**(11)** AU-A-2022416554  
**(21)** 2022416554 (22) 15.12.2022  
**(54)** METHODS OF TREATING CANCER  
**(51)** Int. Cl.

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

- A61K 31/404** ( 2006.01 )  
**A61K 31/4015** ( 2006.01 )  
**C07D 209/12** ( 2006.01 )  
**C07D 403/14** ( 2006.01 )  
**(87)** WO2023/114933  
**(31)** 63/265,474 **(32)** 15.12.21 **(33)** US  
 63/375,820 15.09.22 US  
 63/384,043 16.11.22 US  
**(43)** 22.06.2023  
**(72)** SCHALM, Stefanie; CHEN, Dapeng;  
 PROCTOR, William; GROWNEY,  
 Joseph; WILLIAMS, Juliet; ENER-  
 SON, Bradley; CHUTAKE, Yogesh;  
 MAYO, Michele; QI, Jianfeng; HO,  
 Chris; WEISS, Matthew M.; RONG,  
 Haojing; MCDONALD, Alice  
**(74)** Spruson & Ferguson
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- (71)** L'AIR LIQUIDE, SOCIETE ANONYME  
 POUR L'ETUDE ET L'EXPLOITATION  
 DES PROCEDES GEORGES CLAUDE  
**(11)** AU-A-2022392367  
**(21)** 2022392367 **(22)** 26.10.2022  
**(54)** CRYOGENIC REFRIGERATION  
 DEVICE  
**(51)** Int. Cl.  
**F25B 9/14** ( 2006.01 )  
**F17C 3/08** ( 2006.01 )  
**F25B 9/10** ( 2006.01 )  
**F25D 19/00** ( 2006.01 )  
**(87)** WO2023/088647  
**(31)** FR2112152 **(32)** 17.11.21 **(33)** FR  
**(43)** 25.05.2023  
**(72)** GUIA, Olivier; COSIMO, Ianni; STORA,  
 Marc  
**(74)** Maxwells Patent & Trade Mark Attor-  
 neys Pty Ltd
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- (71)** LABORATOIRES VIVACY  
**(11)** AU-A-2022381548  
**(21)** 2022381548 **(22)** 07.11.2022  
**(54)** COMPOSITION, IN THE FORM OF AN  
 AQUEOUS SOLUTION COMPRISING  
 AT LEAST ONE MACROMOLECULAR  
 COMPOUND  
**(51)** Int. Cl.  
**C08B 37/08** ( 2006.01 )  
**A61K 31/728** ( 2006.01 )  
**A61K 47/36** ( 2006.01 )  
**C08L 5/08** ( 2006.01 )  
**(87)** WO2023/079154  
**(31)** 21206821.7 **(32)** 06.11.21 **(33)** EP  
**(43)** 11.05.2023  
**(72)** TRANCHEPAIN, Frédéric; BRUNEL,  
 Florence  
**(74)** Minter Ellison
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- (71)** LENOVO (BEIJING) LIMITED  
**(11)** AU-A-2022444938  
**(21)** 2022444938 **(22)** 04.03.2022  
**(54)** METHODS AND APPARATUSES FOR  
 DEACTIVATION SN WITH MULTIPLE  
 TRPS AND SCG ACTIVATION FAIL-  
 URE  
**(51)** Int. Cl.  
**H04W 72/12** ( 2023.01 )  
**(87)** WO2023/164947
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- (43)** 07.09.2023  
**(72)** WU, Lianhai; ZHANG, Congchi; DAI,  
 Mingzeng; YAN, Le  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** LENOVO (SINGAPORE) PTE. LTD.  
**(11)** AU-A-2023225226  
**(21)** 2023225226 **(22)** 27.02.2023  
**(54)** DETERMINING SLICE SUPPORT OF  
 A NEIGHBORING CELL  
**(51)** Int. Cl.  
**H04W 36/00** ( 2009.01 )  
**H04W 48/12** ( 2009.01 )  
**(87)** WO2023/161907  
**(31)** 63/314,359 **(32)** 25.02.22 **(33)** US  
**(43)** 31.08.2023  
**(72)** BASU MALLICK, Prateek  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** LEON-NANODRUGS GMBH  
**(11)** AU-A-2022381525  
**(21)** 2022381525 **(22)** 03.11.2022  
**(54)** APPARATUS AND METHOD FOR MIX-  
 ING SMALL LIQUID VOLUMES, AND  
 USE OF THE APPARATUS  
**(51)** Int. Cl.  
**B01F 25/40** ( 2022.01 )  
**B01F 25/23** ( 2022.01 )  
**B01F 35/22** ( 2022.01 )  
**B01F 35/71** ( 2022.01 )  
**B01J 19/26** ( 2006.01 )  
**(87)** WO2023/079039  
**(31)** 21206216.0 **(32)** 03.11.21 **(33)** EP  
 22157837.0 21.02.22 EP  
 22183341.1 06.07.22 EP  
**(43)** 11.05.2023  
**(72)** STIENEKER, Frank  
**(74)** Oxygene IP
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- (71)** LEUPOLD & STEVENS, INC.  
**(11)** AU-A-2022444842  
**(21)** 2022444842 **(22)** 08.12.2022  
**(54)** SEALED REFLECTING SIGHT WITH  
 LOW PROFILE CARRIER ASSEMBLY  
**(51)** Int. Cl.  
**F41G 1/30** ( 2006.01 )  
**G02B 23/10** ( 2006.01 )  
**G02B 23/16** ( 2006.01 )  
**F41G 1/34** ( 2006.01 )  
**(87)** WO2023/167723  
**(31)** 63/287,553 **(32)** 09.12.21 **(33)** US  
**(43)** 07.09.2023  
**(72)** CRISPIN, Quint, Dean  
**(74)** DAVIS IP PTY LTD
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**(21)** 2023363070 **(22)** 12.09.2023  
**(54)** METHANE-REFORMING CATA-  
 LYST AND PREPARATION METHOD  
 THEREFOR  
**(51)** Int. Cl.  
**B01J 23/00** ( 2006.01 )  
**B01J 21/02** ( 2006.01 )  
**B01J 21/06** ( 2006.01 )  
**B01J 23/02** ( 2006.01 )  
**B01J 23/10** ( 2006.01 )
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- B01J 23/755** ( 2006.01 )  
**B01J 37/02** ( 2006.01 )  
**B01J 37/08** ( 2006.01 )  
**C01B 3/40** ( 2006.01 )  
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**(54)** LAUNDRY TREATMENT APPARATUS  
**(51)** Int. Cl.  
**D06F 58/12** ( 2006.01 )  
**A61L 2/07** ( 2006.01 )  
**D06F 19/00** ( 2006.01 )  
**D06F 58/26** ( 2006.01 )  
**D06F 73/02** ( 2006.01 )  
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**(31)** 10-2021-0168355 **(32)** 30.11.21 **(33)** KR  
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 Seungmin  
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**(54)** CLOTHES TREATMENT APPARATUS  
**(51)** Int. Cl.  
**D06F 58/12** ( 2006.01 )  
**A61L 2/07** ( 2006.01 )  
**D06F 19/00** ( 2006.01 )  
**D06F 58/26** ( 2006.01 )  
**D06F 73/02** ( 2006.01 )  
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**(54)** CLOTHES TREATMENT APPARATUS  
**(51)** Int. Cl.  
**D06F 58/12** ( 2006.01 )  
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*D06F 34/08* ( 2020.01 )  
*D06F 34/10* ( 2020.01 )  
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*H02H 7/08* ( 2006.01 )  
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(54) PIPE APPARATUS, COUPLING DEVICES, AND METHODS  
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*A62C 3/00* ( 2006.01 )  
*A62C 35/68* ( 2006.01 )  
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*F16L 59/18* ( 2006.01 )  
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(54) TYK2 INHIBITORS AND COMPOSITIONS AND METHODS THEREOF  
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*A61K 31/501* ( 2006.01 )  
*A61P 1/00* ( 2006.01 )  
*A61P 19/02* ( 2006.01 )  
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*C07D 401/12* ( 2006.01 )  
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*B33Y 50/00* ( 2015.01 )  
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**C07D 498/22** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
**C07D 471/22** ( 2006.01 )  
**C07D 487/04** ( 2006.01 )  
**C07D 487/22** ( 2006.01 )  
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**F25B 1/10** ( 2006.01 )  
**F25B 9/00** ( 2006.01 )  
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**A21D 13/04** ( 2017.01 )  
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**A61K 36/062** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
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**C12N 1/20** ( 2006.01 )  
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*A23L 25/00* ( 2016.01 )  
*A23J 1/14* ( 2006.01 )  
*A23J 3/14* ( 2006.01 )  
*A23J 3/22* ( 2006.01 )  
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*A23L 33/14* ( 2016.01 )  
*A23P 30/20* ( 2016.01 )  
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 C07C 29/152 ( 2006.01 )  
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 C10G 2/00 ( 2006.01 )  
 B01D 53/22 ( 2006.01 )  
 B01J 8/02 ( 2006.01 )  
 C07C 29/152 ( 2006.01 )  
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 B01D 53/22 ( 2006.01 )  
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 G06Q 50/10 ( 2012.01 )  
 G02B 27/01 ( 2006.01 )  
 G06F 3/01 ( 2006.01 )  
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     **A24F 40/42** ( 2020.01 )  
     **A24D 1/20** ( 2020.01 )  
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 (51) Int. Cl.  
     **A24F 40/40** ( 2020.01 )  
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 (51) Int. Cl.  
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     **A24B 3/14** ( 2006.01 )  
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 (51) Int. Cl.  
     **F03D 13/10** ( 2016.01 )  
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 (74) Griffith Hack

(71) SANOFI PASTEUR INC.  
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 (21) 2022379948 (22) 04.11.2022  
 (54) MULTIVALENT INFLUENZA VACCINES COMPRISING RECOMBINANT HEMAGGLUTININ AND NEURAMINIDASE AND METHODS OF USING THE SAME  
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*A61K 39/12* ( 2006.01 )  
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*A61P 31/16* ( 2006.01 )

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 (74) Griffith Hack

(71) SCHLAGE LOCK COMPANY LLC  
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 (51) Int. Cl.  
*G07C 9/00* ( 2020.01 )  
*H04L 9/08* ( 2006.01 )  
*H04L 9/40* ( 2022.01 )  
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 (72) BAUMGARTE, Joseph, W.; MARTENS, Robert; NEAL, Sean  
 (74) James & Wells Intellectual Property

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 (74) FB Rice Pty Ltd
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 (51) Int. Cl.  
*A45D 31/00* ( 2006.01 )  
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*C07K 14/015* ( 2006.01 )  
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 (74) FB Rice Pty Ltd
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- (71) SHAW INDUSTRIES GROUP, INC.; JOHNSON, R.W.; CAHILL, C.E.; TANKERSLEY, A.D.  
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 (51) Int. Cl.  
*B62B 3/10* ( 2006.01 )  
*B62B 5/00* ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd
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- (71) SHELTERED WINGS, INC. D/B/A VORTEX OPTICS  
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 (54) VIEWING OPTIC WITH MAGNIFICATION ADJUSTMENT RING  
 (51) Int. Cl.  
*F41G 1/16* ( 2006.01 )  
*F16C 19/06* ( 2006.01 )  
*F16C 33/32* ( 2006.01 )  
*F16C 35/04* ( 2006.01 )  
*F41G 1/38* ( 2006.01 )  
*G02B 23/16* ( 2006.01 )  
*F41G 1/473* ( 2006.01 )  
*G03B 13/20* ( 2021.01 )  
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 (31) 63/275,658 (32) 05.11.21 (33) US  
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 (72) MCDERMOT, Connor  
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 (51) Int. Cl.  
*A01N 59/16* ( 2006.01 )  
*A01N 25/06* ( 2006.01 )  
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*A01P 1/00* ( 2006.01 )  
*A61L 9/14* ( 2006.01 )  
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 (51) Int. Cl.  
*C25B 3/25* ( 2021.01 )  
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*C25B 9/15* ( 2021.01 )  
*C25B 9/19* ( 2021.01 )  
*C25B 9/21* ( 2021.01 )  
*C25B 11/032* ( 2021.01 )  
*C25B 15/08* ( 2006.01 )  
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 (31) 10 2021 214 631.7 (32) 17.12.21 (33) DE  
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 (72) REICHBAUER, Thomas; SCHMID, Günter; MUSAYEV, Yashar  
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 (21) 2022418992 (22) 16.12.2022  
 (54) HALF-CELL OF AN ELECTROLYTIC CELL FOR AN ELECTROLYZER AND METHOD FOR PRODUCING A COMPONENT FOR AN ELECTROLYTIC CELL  
 (51) Int. Cl.  
*C25B 1/04* ( 2021.01 )  
*C25B 9/65* ( 2021.01 )  
*C25B 9/75* ( 2021.01 )  
*C25B 9/77* ( 2021.01 )  
*C25B 11/04* ( 2021.01 )  
*C25B 15/08* ( 2006.01 )  
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 (74) Spruson & Ferguson
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 (11) AU-A-2022421945  
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*G06N 10/40* ( 2022.01 )  
*B82Y 10/00* ( 2011.01 )  
*B82Y 25/00* ( 2011.01 )  
*G01R 33/00* ( 2006.01 )  
*G01R 33/12* ( 2006.01 )  
*H01L 29/66* ( 2006.01 )  
*H10N 99/00* ( 2023.01 )  
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 (31) 2021904190 (32) 22.12.21 (33) AU  
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 (74) FPA Patent Attorneys Pty Ltd
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 A61B 1/317 ( 2006.01 )  
 A61B 17/58 ( 2006.01 )  
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 A61B 34/20 ( 2016.01 )  
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 (74) Patent Attorney Services
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 (21) 2022456860 (22) 02.05.2022  
 (54) PROCESS FOR OBTAINING LITHIUM SULFATE MONOHYDRATE ORE WITH LOW CONTENTS OF IMPURITIES ASSOCIATED WITH CHLORINE AND MAGNESIUM  
 (51) Int. Cl.  
 B03D 1/00 ( 2006.01 )  
 B03D 1/001 ( 2006.01 )  
 B03D 1/018 ( 2006.01 )  
 B03B 7/00 ( 2006.01 )  
 (87) WO2023/212831  
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 (72) YAÑEZ, Osvaldo  
 (74) Gestalt Law Pty Ltd
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 C01D 15/00 ( 2006.01 )  
 C01D 15/06 ( 2006.01 )  
 C22B 3/00 ( 2006.01 )  
 C22B 3/04 ( 2006.01 )  
 C22B 3/20 ( 2006.01 )  
 C22B 3/22 ( 2006.01 )  
 C22B 26/12 ( 2006.01 )  
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 (51) Int. Cl.
- B03D 1/00 ( 2006.01 )  
 B03B 7/00 ( 2006.01 )  
 B03D 1/001 ( 2006.01 )  
 B03D 1/018 ( 2006.01 )  
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 C12Q 1/689 ( 2018.01 )  
 G16B 5/00 ( 2019.01 )  
 G16B 20/00 ( 2019.01 )  
 G16H 50/20 ( 2018.01 )  
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 (51) Int. Cl.  
 E21B 7/02 ( 2006.01 )  
 E02D 7/06 ( 2006.01 )  
 E02D 7/22 ( 2006.01 )  
 E02F 9/20 ( 2006.01 )  
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- (71) SOLENIS TECHNOLOGIES CAYMAN, L.P.  
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 D21F 11/00 ( 2006.01 )  
 D21H 17/28 ( 2006.01 )  
 D21H 21/20 ( 2006.01 )  
 D21H 21/56 ( 2006.01 )  
 D21H 27/30 ( 2006.01 )  
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 (74) AJ PARK
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 (54) OPERATION INPUT DEVICE AND OPERATION CONSOLE DEVICE  
 (51) Int. Cl.  
 B25J 3/00 ( 2006.01 )  
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 (72) WAKANA, Kazuhito  
 (74) Spruson & Ferguson
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- (71) SOTER BIOPHARMA PTE. LTD.  
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 (54) PYRAZOLO FUSED RING COMPOUND AND USE THEREOF  
 (51) Int. Cl.  
 C07D 487/04 ( 2006.01 )  
 A61K 31/4985 ( 2006.01 )  
 A61P 29/00 ( 2006.01 )  
 A61P 37/02 ( 2006.01 )  
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 (74) FB Rice Pty Ltd
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 (21) 2022383140 (22) 07.11.2022  
 (54) ELECTRICAL INSULATION SOCKET AND METHOD FOR INSTALLATION THEREOF  
 (51) Int. Cl.  
 E04B 1/66 ( 2006.01 )  
 E04H 4/14 ( 2006.01 )  
 E04H 12/22 ( 2006.01 )  
 H01R 4/18 ( 2006.01 )  
 H01R 4/2425 ( 2018.01 )  
 H01R 9/24 ( 2006.01 )  
 H01R 13/04 ( 2006.01 )  
 H01R 13/46 ( 2006.01 )  
 H01R 13/512 ( 2006.01 )  
 H01R 13/514 ( 2006.01 )  
 H01R 25/00 ( 2006.01 )  
 H01R 43/20 ( 2006.01 )  
 H02G 3/08 ( 2006.01 )  
 H02G 15/10 ( 2006.01 )  
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 (31) 2021903556 (32) 07.11.21 (33) AU  
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 (74) IP SOLVED (ANZ) PTY. LTD.
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 (11) AU-A-2022418623  
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 (51) Int. Cl.  
 A61N 1/36 ( 2006.01 )



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 Nathan, D.; WONGSARNPIGOON,  
 Amorn; ZURN, Claire; DEBOCK,  
 Matthew, G.; MCGEE, Meredith, J.;  
 STROTHER, Robert, B.  
**(74)** Jones Tulloch

**(71)** STASKIN, D.; NEALON, J.  
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**(21)** 2022399550 **(22)** 05.12.2022  
**(54)** CONTROLLED ABSORBABLE SLING  
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**(51)** Int. Cl.  
**A61F 2/00** ( 2006.01 )  
**(87)** WO2023/102268  
**(31)** 63/286,057 **(32)** 05.12.21 **(33)** US  
**(43)** 08.06.2023  
**(72)** STASKIN, David; NEALON, John;  
 KOELLER, Gregory; ROOVERS, Jan,  
 Paul; GÜLER, Zeliha  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** STRONG FORCE TX PORTFOLIO  
 2018, LLC  
**(11)** AU-A-2022311805  
**(21)** 2022311805 **(22)** 14.07.2022  
**(54)** SYSTEMS AND METHODS WITH IN-  
 TEGRATED GAMING ENGINES AND  
 SMART CONTRACTS  
**(51)** Int. Cl.  
**A63F 13/35** ( 2014.01 )  
**A63F 13/60** ( 2014.01 )  
**A63F 13/70** ( 2014.01 )  
**G06F 3/048** ( 2013.01 )  
**G06F 8/00** ( 2018.01 )  
**G06F 8/30** ( 2018.01 )  
**G06F 21/60** ( 2013.01 )  
**G06N 3/08** ( 2023.01 )  
**G06N 20/00** ( 2019.01 )  
**G06Q 20/00** ( 2012.01 )  
**G06Q 30/00** ( 2023.01 )  
**G06Q 30/02** ( 2023.01 )  
**G06Q 40/00** ( 2023.01 )  
**G06Q 50/00** ( 2012.01 )  
**G06Q 50/18** ( 2012.01 )  
**H04L 9/00** ( 2022.01 )

**(87)** WO2023/287969  
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**(43)** 19.01.2023  
**(72)** CELLA, Charles, H.; SPITZ, Richard;  
 EL-TAHRY, Teymour, S.; PARENTI,  
 Jenna; CARDNO, Andrew; CHARON,  
 Taylor; KELL, Brad; BUNIN, Andrew;  
 DOBROWITSKY, Joshua; BLIVEN,  
 Brent; SHARP, Andrew; SHARMA, Kun-  
 al  
**(74)** ET Intellectual Property

**(71)** SULNOX GROUP PLC  
**(11)** AU-A-2022413450  
**(21)** 2022413450 **(22)** 13.12.2022  
**(54)** FUEL OIL RECLAMATION  
**(51)** Int. Cl.

**C10G 33/02** ( 2006.01 )  
**B01D 17/04** ( 2006.01 )  
**C02F 1/36** ( 2023.01 )  
**C02F 1/40** ( 2023.01 )  
**C10G 33/04** ( 2006.01 )  
**C10G 33/06** ( 2006.01 )  
**C10L 1/32** ( 2006.01 )  
**C02F 101/32** ( 2006.01 )  
**(87)** WO2023/110938  
**(31)** 2118030.2 **(32)** 13.12.21 **(33)** GB  
**(43)** 22.06.2023  
**(72)** REDMAN, James; CLARK, Dan  
**(74)** ACROGON GROUP PTY LTD

**(71)** SUMITOMO METAL MINING CO.,  
 LTD.; NATIONAL UNIVERSITY COR-  
 PORATION CHIBA UNIVERSITY  
**(11)** AU-A-2022401201  
**(21)** 2022401201 **(22)** 30.11.2022  
**(54)** METHOD FOR MEASURING STATE  
 OF SUBSTANCE AND DEVICE FOR  
 MEASURING STATE OF SUBSTANCE  
**(51)** Int. Cl.  
**G01N 22/00** ( 2006.01 )  
**G01N 22/04** ( 2006.01 )  
**(87)** WO2023/100954  
**(31)** 2021-196068 **(32)** 02.12.21 **(33)** JP  
**(43)** 08.06.2023  
**(72)** NAITO, Motoyuki; SRI SUMANTYO,  
 Josaphat Tetuko; TAKAHASHI, Ayaka  
**(74)** Davies Collison Cave Pty Ltd

**(71)** SUNDANCE SPAS, INC.  
**(11)** AU-A-2022389974  
**(21)** 2022389974 **(22)** 16.11.2022  
**(54)** SELF-MAINTAINING HOT TUB OR  
 SPA  
**(51)** Int. Cl.  
**A61H 33/00** ( 2006.01 )  
**(87)** WO2023/091962  
**(31)** 63/264,359 **(32)** 19.11.21 **(33)** US  
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**(43)** 25.05.2023  
**(72)** MOIR, Erica Aloisia; PIERSON, Brian;  
 OVALLE, Larry R.  
**(74)** ET Intellectual Property

**(71)** SUNTORY HOLDINGS LIMITED  
**(11)** AU-A-2022417968  
**(21)** 2022417968 **(22)** 15.12.2022  
**(54)** ORAL COMPOSITION AND METHOD  
 FOR SUPPRESSING BITTERNESS  
 DERIVED FROM ERGOTHIONEINE  
**(51)** Int. Cl.  
**A23L 33/175** ( 2016.01 )  
**A23K 20/142** ( 2016.01 )  
**A23L 33/105** ( 2016.01 )  
**A61K 31/4172** ( 2006.01 )  
**A61K 47/18** ( 2017.01 )  
**A61P 17/18** ( 2006.01 )  
**A61P 37/02** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
**(87)** WO2023/120367  
**(31)** 2021-209563 **(32)** 23.12.21 **(33)** JP  
**(43)** 29.06.2023  
**(72)** FUNAKI, Ayuta; EGUCHI, Megumi; SU-  
 GIZAKI, Miku  
**(74)** Davies Collison Cave Pty Ltd

**(71)** SUNTORY HOLDINGS LIMITED  
**(11)** AU-A-2022417971  
**(21)** 2022417971 **(22)** 15.12.2022  
**(54)** ORAL COMPOSITION AND SOFT  
 CAPSULE AGENT  
**(51)** Int. Cl.  
**A23L 33/175** ( 2016.01 )  
**A23L 33/105** ( 2016.01 )  
**A23L 33/12** ( 2016.01 )  
**(87)** WO2023/120382  
**(31)** 2021-209567 **(32)** 23.12.21 **(33)** JP  
**(43)** 29.06.2023  
**(72)** SUGIZAKI, Miku; FUNAKI, Ayuta;  
 SATO, Yosuke  
**(74)** Davies Collison Cave Pty Ltd

**(71)** SUNTORY HOLDINGS LIMITED  
**(11)** AU-A-2022420207  
**(21)** 2022420207 **(22)** 15.12.2022  
**(54)** ORAL COMPOSITION, AND METHOD  
 FOR SUPPRESSING BITTERNESS  
 DERIVED FROM ERGOTHIONEINE  
 OR SALT THEREOF AND ODOR DE-  
 RIVED FROM EICOSAPENTAENOIC  
 ACID  
**(51)** Int. Cl.  
**A23L 33/175** ( 2016.01 )  
**A23K 20/142** ( 2016.01 )  
**A23K 20/158** ( 2016.01 )  
**A23L 33/12** ( 2016.01 )  
**A61K 31/202** ( 2006.01 )  
**A61K 31/4172** ( 2006.01 )  
**A61P 39/06** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
**(87)** WO2023/120368  
**(31)** 2021-209560 **(32)** 23.12.21 **(33)** JP  
**(43)** 29.06.2023  
**(72)** FUNAKI, Ayuta; EGUCHI, Megumi; SU-  
 GIZAKI, Miku  
**(74)** Davies Collison Cave Pty Ltd

**(71)** SUNTORY HOLDINGS LIMITED  
**(11)** AU-A-2022420208  
**(21)** 2022420208 **(22)** 15.12.2022  
**(54)** ORAL COMPOSITION, AND METHOD  
 FOR SUPPRESSING BITTERNESS  
 DERIVED FROM ERGOTHIONEINE  
 OR SALT THEREOF AND ODOR DE-  
 RIVED FROM DOCOSAHEXAENOIC  
 ACID  
**(51)** Int. Cl.  
**A23L 33/175** ( 2016.01 )  
**A23K 20/142** ( 2016.01 )  
**A23K 20/158** ( 2016.01 )  
**A23L 33/12** ( 2016.01 )  
**A61K 31/202** ( 2006.01 )  
**A61K 31/4172** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
**(87)** WO2023/120373  
**(31)** 2021-209559 **(32)** 23.12.21 **(33)** JP  
**(43)** 29.06.2023  
**(72)** FUNAKI, Ayuta; EGUCHI, Megumi; SU-  
 GIZAKI, Miku  
**(74)** Davies Collison Cave Pty Ltd

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

(71) SUNTORY HOLDINGS LIMITED  
 (11) AU-A-2022420209  
 (21) 2022420209 (22) 15.12.2022  
 (54) ORAL COMPOSITION, AND METHOD FOR SUPPRESSING BITTERNESS DERIVED FROM ERGOTHIONEINE OR SALT THEREOF AND SMELL DERIVED FROM ARACHIDONIC ACIDS  
 (51) Int. Cl.  
**A23L 33/175** ( 2016.01 )  
**A23K 20/142** ( 2016.01 )  
**A23K 20/158** ( 2016.01 )  
**A23L 33/12** ( 2016.01 )  
**A61K 31/4172** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
 (87) WO2023/120378  
 (31) 2021-209564 (32) 23.12.21 (33) JP  
 (43) 29.06.2023  
 (72) FUNAKI, Ayuta; EGUCHI, Megumi; SU-GIZAKI, Miku  
 (74) Davies Collison Cave Pty Ltd

(71) SUNTORY HOLDINGS LIMITED  
 (11) AU-A-2022423515  
 (21) 2022423515 (22) 15.12.2022  
 (54) ORAL COMPOSITION AND METHOD FOR MINIMIZING BITTER TASTE RESULTING FROM ERGOTHIONEINE OR SALT THEREOF AND ODOR RESULTING FROM VITAMIN E  
 (51) Int. Cl.  
**A23L 33/175** ( 2016.01 )  
**A23K 20/142** ( 2016.01 )  
**A23K 20/174** ( 2016.01 )  
**A23L 33/115** ( 2016.01 )  
**A23L 33/15** ( 2016.01 )  
**A61K 31/355** ( 2006.01 )  
**A61K 31/4172** ( 2006.01 )  
**A61K 47/44** ( 2017.01 )  
**A61P 17/18** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
 (87) WO2023/120370  
 (31) 2021-209562 (32) 23.12.21 (33) JP  
 (43) 29.06.2023  
 (72) FUNAKI, Ayuta; EGUCHI, Megumi; SU-GIZAKI, Miku  
 (74) Davies Collison Cave Pty Ltd

(71) SUNTORY HOLDINGS LIMITED  
 (11) AU-A-2022423820  
 (21) 2022423820 (22) 15.12.2022  
 (54) ORAL COMPOSITION, AND METHOD FOR SUPPRESSING BITTERNESS DERIVED FROM ERGOTHIONEINE AND ODOR DERIVED FROM CEREAL OIL OR  $\gamma$ -ORYZANOL  
 (51) Int. Cl.  
**A23L 33/175** ( 2016.01 )  
**A23K 20/142** ( 2016.01 )  
**A23K 20/158** ( 2016.01 )  
**A23L 33/11** ( 2016.01 )  
**A23L 33/115** ( 2016.01 )  
**A61K 31/4172** ( 2006.01 )  
**A61K 31/575** ( 2006.01 )  
**A61K 47/44** ( 2017.01 )  
**A61P 17/18** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
 (87) WO2023/120376  
 (31) 2021-209561 (32) 23.12.21 (33) JP

(43) 29.06.2023  
 (72) FUNAKI, Ayuta; EGUCHI, Megumi; SU-GIZAKI, Miku  
 (74) Davies Collison Cave Pty Ltd

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(71) SUNTORY HOLDINGS LIMITED  
 (11) AU-A-2022424444  
 (21) 2022424444 (22) 23.12.2022  
 (54) BEER-TASTE BEVERAGE  
 (51) Int. Cl.  
**C12G 3/02** ( 2019.01 )  
**C12C 11/00** ( 2006.01 )  
 (87) WO2023/127711  
 (31) 2021-213292 (32) 27.12.21 (33) JP  
 2021-213199 27.12.21 JP  
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 (43) 06.07.2023  
 (72) KATO Yuichi; OKAJIMA Takaho; MARUHASHI Taichi  
 (74) Griffith Hack

(71) SUNTORY HOLDINGS LIMITED  
 (11) AU-A-2022427179  
 (21) 2022427179 (22) 27.12.2022  
 (54) BEER-FLAVORED BEVERAGE  
 (51) Int. Cl.  
**C12C 11/00** ( 2006.01 )  
**C12C 5/02** ( 2006.01 )  
**C12C 7/00** ( 2006.01 )  
 (87) WO2023/127922  
 (31) 2021-213190 (32) 27.12.21 (33) JP  
 (43) 06.07.2023  
 (72) KATO Yuichi; HAYAKAWA Yugo; ABE Hiroyuki  
 (74) Davies Collison Cave Pty Ltd

(71) SUNTORY HOLDINGS LIMITED  
 (11) AU-A-2022428329  
 (21) 2022428329 (22) 27.12.2022  
 (54) BEER-FLAVORED BEVERAGE  
 (51) Int. Cl.  
**C12C 11/00** ( 2006.01 )  
**C12C 5/02** ( 2006.01 )  
**C12C 7/00** ( 2006.01 )  
 (87) WO2023/127921  
 (31) 2021-213189 (32) 27.12.21 (33) JP  
 (43) 06.07.2023  
 (72) KATO Yuichi; HAYAKAWA Yugo; ABE Hiroyuki  
 (74) Davies Collison Cave Pty Ltd

(71) SYNGENTA CROP PROTECTION AG  
 (11) AU-A-2022415211  
 (21) 2022415211 (22) 01.12.2022  
 (54) DETERMINING NOZZLE FOR PESTICIDE AND/OR BIOSTIMULANT APPLICATION  
 (51) Int. Cl.  
**A01M 7/00** ( 2006.01 )  
**B05B 1/02** ( 2006.01 )  
**B05B 12/00** ( 2018.01 )  
**G05D 7/06** ( 2006.01 )  
 (87) WO2023/110427  
 (31) 21215691.3 (32) 17.12.21 (33) EP

(43) 22.06.2023  
 (72) DE LA HAY MARSHALL ROBERTS, James, Frederick; THOMAS, James William; MEINECKE, Henning; REITZ, Marco, Uwe; PHUNG, Jeanne-Lise  
 (74) Davies Collison Cave Pty Ltd

(71) SYNGENTA CROP PROTECTION AG  
 (11) AU-A-2022423908  
 (21) 2022423908 (22) 14.12.2022  
 (54) FUNGICIDAL COMPOSITIONS  
 (51) Int. Cl.  
**A01N 43/54** ( 2006.01 )  
**A01N 25/04** ( 2006.01 )  
**A01N 25/22** ( 2006.01 )  
**A01N 25/30** ( 2006.01 )  
**A01P 3/00** ( 2006.01 )  
 (87) WO2023/117625  
 (31) 21216791.0 (32) 22.12.21 (33) EP  
 (43) 29.06.2023  
 (72) BOYLES, Claire; WESLEY, Robin  
 (74) Davies Collison Cave Pty Ltd

(71) SYNTEGON PACKAGING SOLUTIONS B.V.  
 (11) AU-A-2022381690  
 (21) 2022381690 (22) 03.11.2022  
 (54) TRANSVERSE SEALING DEVICE, METHOD FOR OPERATING THE TRANSVERSE SEALING DEVICE AND VERTICAL FORM FILL SEALING MACHINE  
 (51) Int. Cl.  
**B29C 65/18** ( 2006.01 )  
**B29C 65/00** ( 2006.01 )  
 (87) WO2023/078971  
 (31) 10 2021 128 877.0 (32) 05.11.21 (33) DE  
 (43) 11.05.2023  
 (72) HENNISSSEN, Maurice; CASTERMANS, Marc; KOK, Tom  
 (74) Spruson & Ferguson

(71) SYNTEGON PACKAGING SOLUTIONS B.V.  
 (11) AU-A-2022383483  
 (21) 2022383483 (22) 03.11.2022  
 (54) VERTICAL FORM FILL SEALING MACHINE AND METHOD FOR OPERATING THE VERTICAL FORM FILL SEALING MACHINE  
 (51) Int. Cl.  
**B65B 51/30** ( 2006.01 )  
**B29C 65/00** ( 2006.01 )  
**B65B 9/207** ( 2012.01 )  
**B65B 59/02** ( 2006.01 )  
**B65B 65/02** ( 2006.01 )  
 (87) WO2023/078972  
 (31) 10 2021 128 884.3 (32) 05.11.21 (33) DE  
 (43) 11.05.2023  
 (72) HENNISSSEN, Maurice  
 (74) Spruson & Ferguson

(71) SYNTHKINE, INC.  
 (11) AU-A-2022403006  
 (21) 2022403006 (22) 01.12.2022  
 (54) IL10 VARIANTS AND USES THEREOF  
 (51) Int. Cl.

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

<b>C07K 14/54</b> ( 2006.01 ) <b>A61K 38/20</b> ( 2006.01 )	<b>C12Q 1/6844</b> ( 2018.01 ) <b>C12Q 1/6862</b> ( 2018.01 )	PCT/ CN2022/097426	07.06.22	CN
(87) WO2023/102493 (31) 63/285,019 (32) 01.12.21 (33) US (43) 08.06.2023 (72) WONG, Michael; MCCAULEY, Scott; MORIN, Andrew (74) Spruson & Ferguson	(87) WO2023/086109 (43) 19.05.2023 (72) GILL, John E.; FU, Lixia; KERR, Sydney; VARGAS, Michelle; GIBSON, Daniel G. (74) FB Rice Pty Ltd	(43) 19.05.2023 (72) JONES, Christopher T.; KLUCHER, Kevin; CRITTENDEN, D. Barry; QUIRK, Erin K.; JIN, Feng; DUAN, Matt; GUO, Sheng; BIAN, Jianwei; DONG, Qianqi- an (74) RnB IP Pty Ltd		
(71) TARPEPEUTICS, INC. (11) AU-A-2022386650 (21) 2022386650 (22) 10.11.2022 (54) METHODS OF TREATING MALIG- NANT GLIOMAS (51) Int. Cl. <b>C07K 19/00</b> ( 2006.01 ) <b>A61M 25/00</b> ( 2006.01 ) <b>C07K 14/54</b> ( 2006.01 ) <b>A61P 35/00</b> ( 2006.01 ) <b>C07K 14/715</b> ( 2006.01 )	(71) TERNS PHARMACEUTICALS, INC. (11) AU-A-2022384271 (21) 2022384271 (22) 11.11.2022 (54) TREATING LIVER DISORDERS WITH AN SSOA INHIBITOR (51) Int. Cl. <b>A61K 9/00</b> ( 2006.01 ) <b>A61K 31/198</b> ( 2006.01 ) <b>A61K 31/355</b> ( 2006.01 ) <b>A61K 31/4178</b> ( 2006.01 ) <b>A61K 31/4439</b> ( 2006.01 ) <b>A61K 31/506</b> ( 2006.01 ) <b>A61K 45/06</b> ( 2006.01 ) <b>A61P 1/16</b> ( 2006.01 )	(71) TEVA CZECH INDUSTRIES S.R.O (11) AU-A-2022402852 (21) 2022402852 (22) 01.12.2022 (54) SOLID STATE FORMS OF TAVAPADON AND PROCESSES FOR PREPARATION THEREOF (51) Int. Cl. <b>C07D 401/12</b> ( 2006.01 ) <b>A61K 31/444</b> ( 2006.01 ) <b>A61P 25/16</b> ( 2006.01 )		
(87) WO2023/086896 (31) 63/277,866 (32) 10.11.21 (33) US (43) 19.05.2023 (72) SCHRECENGOST, Randy; LUTKE- WITTE, III, Silvan B. (74) Minter Ellison	(87) WO2023/086562 (31) 63/263,934 (32) 11.11.21 (33) US 63/349,978 07.06.22 US (43) 19.05.2023 (72) JONES, Christopher T.; FENAUX, Mar- tijn; WANG, Yujin; JIN, Feng; CRIT- TENDEN, D. Barry; QUIRK, Erin K. (74) RnB IP Pty Ltd	(87) WO2023/102087 (31) 63/285,566 (32) 03.12.21 (33) US 63/309,726 14.02.22 US (43) 08.06.2023 (72) PRZECZKOVA, Zuzana; BARTOVA, Adela; KOLESA, Pavel; JEGOROV, Al- exandr; ROMANOVA, Jana (74) Spruson & Ferguson		
(71) TAVR AI PTY LTD (11) AU-A-2022405895 (21) 2022405895 (22) 08.12.2022 (54) HEART VALVE (51) Int. Cl. <b>A61F 2/24</b> ( 2006.01 )	(71) TERNS PHARMACEUTICALS, INC. (11) AU-A-2022387121 (21) 2022387121 (22) 11.11.2022 (54) COMBINATION OF A SSOA INHIBIT- OR AND THR-BETA AGONIST FOR USE IN THE TREATMENT OF LIVER DISORDERS (51) Int. Cl. <b>A61K 31/53</b> ( 2006.01 ) <b>A61K 9/00</b> ( 2006.01 ) <b>A61K 31/506</b> ( 2006.01 ) <b>A61K 45/06</b> ( 2006.01 ) <b>A61P 1/16</b> ( 2006.01 ) <b>A61P 3/10</b> ( 2006.01 ) <b>A61P 9/00</b> ( 2006.01 )	(71) TFF PHARMACEUTICALS, INC. (11) AU-A-2022409831 (21) 2022409831 (22) 16.12.2022 (54) COMPOSITIONS COMPRISING VORICONAZOLE INHALATION POWDER AND METHODS OF MANU- FACTURE AND USE THEREOF (51) Int. Cl. <b>A61K 31/506</b> ( 2006.01 ) <b>A61P 11/00</b> ( 2006.01 ) <b>A61P 31/10</b> ( 2006.01 )		
(87) WO2023/102608 (31) 2021903987 (32) 09.12.21 (33) AU (43) 15.06.2023 (72) MARKHAM, Ryan (74) FB Rice Pty Ltd	(87) WO2023/086561 (31) 63/263,933 (32) 11.11.21 (33) US 63/349,977 07.06.22 US (43) 19.05.2023 (72) FENAUX, Martijn; KLUCHER, Kevin; JONES, Christopher T.; KIRSCHBERG, Thorsten A.; WANG, Yujin (74) RnB IP Pty Ltd	(87) WO2023/114966 (31) 63/291,055 (32) 17.12.21 (33) US (43) 22.06.2023 (72) CHRISTENSEN, Dale J.; KOLENG, John (74) RNB IP PTY LTD		
(71) TELEFLEX MEDICAL INCORPOR- ATED (11) AU-A-2022425180 (21) 2022425180 (22) 22.12.2022 (54) COMPOUNDED ACTIVE PHARMA- CEUTICAL AGENTS IN THERMO- PLASTIC POLYMER COMPOSITIONS AND METHODS OF MANUFACTURE (51) Int. Cl. <b>A61L 29/06</b> ( 2006.01 ) <b>A61L 29/16</b> ( 2006.01 ) <b>A61L 33/00</b> ( 2006.01 )	(71) TERNS PHARMACEUTICALS, INC. (11) AU-A-2022388507 (21) 2022388507 (22) 11.11.2022 (54) TREATMENT OF LIVER DISORDERS WITH A THR- $\beta$ AGONIST (51) Int. Cl. <b>A61K 31/53</b> ( 2006.01 ) <b>A61P 1/16</b> ( 2006.01 ) <b>C07D 403/12</b> ( 2006.01 )	(71) TFG GLOBAL POWER LIMITED (11) AU-A-2022406989 (21) 2022406989 (22) 05.12.2022 (54) DEVICE FOR PRODUCING ELECTRI- CITY (51) Int. Cl. <b>H10N 10/13</b> ( 2023.01 ) <b>F01N 5/02</b> ( 2006.01 )		
(87) WO2023/129866 (31) 63/295,132 (32) 30.12.21 (33) US (43) 06.07.2023 (72) GUPTA, Nisha; SECHRIST, Kevin; MARCHESE, Eric (74) RnB IP Pty Ltd	(87) WO2023/083288 (31) PCT/ (32) 11.11.21 (33) CN CN2021/130083	(87) WO2023/104723 (31) 2117824.9 (32) 09.12.21 (33) GB (43) 15.06.2023 (72) CRAWLEY, Fergus, Julian Edward; LUO, Zhenhua; HUSSAINI, Zaharad- deen Ali; SANSOM, Christopher, Leslie (74) GLMR		
(71) TELESIS BIO INC. (11) AU-A-2021473848 (21) 2021473848 (22) 15.11.2021 (54) METHODS OF SYNTHESIZING NUC- LEIC ACID MOLECULES (51) Int. Cl. <b>C12Q 1/6806</b> ( 2018.01 ) <b>C12N 9/22</b> ( 2006.01 ) <b>C12P 19/34</b> ( 2006.01 )		(71) THALES (11) AU-A-2022420392 (21) 2022420392 (22) 12.12.2022		

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

- (54) METHOD FOR ASSISTING WITH GUIDING A SURFACE VESSEL FOR TOWING AN UNDERWATER DEVICE BY MEANS OF A CABLE
- (51) Int. Cl.  
**B63C 11/48** ( 2006.01 )  
**B63B 21/66** ( 2006.01 )  
**B63G 8/14** ( 2006.01 )  
**B63G 8/42** ( 2006.01 )  
**G01C 21/00** ( 2006.01 )  
**G01C 21/20** ( 2006.01 )  
**G01V 1/38** ( 2006.01 )  
**G05D 1/00** ( 2006.01 )
- (87) WO2023/117518  
(31) FR2114115 (32) 21.12.21 (33) FR  
(43) 29.06.2023  
(72) DUPUIS, Quentin; BOREL, Christophe  
(74) FB Rice Pty Ltd
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- (71) THALES  
(11) AU-A-2022423429  
(21) 2022423429 (22) 13.12.2022  
(54) SYSTEM FOR MANOEUVRING A MARINE CRAFT
- (51) Int. Cl.  
**B63B 23/32** ( 2006.01 )  
**B63B 27/14** ( 2006.01 )  
**B63B 27/36** ( 2006.01 )
- (87) WO2023/117564  
(31) FR2114332 (32) 23.12.21 (33) FR  
(43) 29.06.2023  
(72) JOURDAN, Michaël; RONDEAU, Adrien  
(74) FB Rice Pty Ltd
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- (71) THE ADMINISTRATORS OF THE TULANE EDUCATIONAL FUND  
(11) AU-A-2022414083  
(21) 2022414083 (22) 14.12.2022  
(54) CONJUGATES, THEIR COMPOSITIONS, AND THEIR RELATED METHODS
- (51) Int. Cl.  
**A61K 47/64** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )
- (87) WO2023/114861  
(31) 63/265,421 (32) 15.12.21 (33) US  
(43) 22.06.2023  
(72) FUSELIER, Joseph A.; COY, David H.  
(74) FB Rice Pty Ltd
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- (71) THE DOSHISHA; ACTUALEYES INC.  
(11) AU-A-2022385051  
(21) 2022385051 (22) 10.11.2022  
(54) CRYOPRESERVATION PREPARATION FOR CORNEAL ENDOTHELIAL CELLS AND METHOD FOR PRODUCING SAID CRYOPRESERVATION PREPARATION
- (51) Int. Cl.  
**C12N 5/071** ( 2010.01 )  
**A61K 35/30** ( 2015.01 )  
**A61P 27/02** ( 2006.01 )  
**C12N 1/04** ( 2006.01 )
- (87) WO2023/085369  
(31) 2021-184246 (32) 11.11.21 (33) JP
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- (43) 19.05.2023  
(72) KOIZUMI, Noriko; OKUMURA, Naoki; MATSUOKA, Yasushi  
(74) FPA Patent Attorneys Pty Ltd
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- (71) THE JOHNS HOPKINS UNIVERSITY  
(11) AU-A-2022405465  
(21) 2022405465 (22) 29.11.2022  
(54) HYPOTONIC GEL-FORMING FORMULATIONS WITH ENHANCED RHEOLOGICAL PROPERTIES
- (51) Int. Cl.  
**A61K 9/06** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 47/10** ( 2017.01 )  
**A61P 1/00** ( 2006.01 )
- (87) WO2023/107831  
(31) 63/287,415 (32) 08.12.21 (33) US  
(43) 15.06.2023  
(72) ENSIGN, Laura; HSUEH, Tung Heng; HANES, Justin  
(74) RnB IP
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- (71) THE REGENTS OF THE UNIVERSITY OF CALIFORNIA  
(11) AU-A-2022407021  
(21) 2022407021 (22) 07.12.2022  
(54) CDH17 ANTIBODIES AND METHODS OF TREATING CANCER
- (51) Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 47/68** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/18** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )  
**G01N 33/574** ( 2006.01 )
- (87) WO2023/107558  
(31) 63/286,894 (32) 07.12.21 (33) US  
63/349,258 06.06.22 US  
(43) 15.06.2023  
(72) SLAMON, Dennis; MCDERMOTT, Martina; O'BRIEN, Neil, A.  
(74) Pearce IP Pty Ltd
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- (71) THE REGENTS OF THE UNIVERSITY OF CALIFORNIA  
(11) AU-A-2022408069  
(21) 2022408069 (22) 07.12.2022  
(54) DLK1 ANTIBODIES AND METHODS OF TREATING CANCER
- (51) Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 47/68** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/18** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )  
**G01N 33/574** ( 2006.01 )
- (87) WO2023/107560  
(31) 63/286,896 (32) 07.12.21 (33) US  
(43) 15.06.2023  
(72) SLAMON, Dennis; MCDERMOTT, Martina; O'BRIEN, Neil, A.  
(74) Pearce IP Pty Ltd
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- (71) THE REGENTS OF THE UNIVERSITY OF CALIFORNIA  
(11) AU-A-2022421224  
(21) 2022421224 (22) 21.12.2022  
(54) COVALENTLY BINDING INHIBITORS OF G12S, G12D AND/OR G12E MUTANTS OF K-RAS GTPASE
- (51) Int. Cl.  
**A61P 35/00** ( 2006.01 )  
**A61K 31/4995** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61K 31/55** ( 2006.01 )  
**C07D 405/14** ( 2006.01 )  
**C07D 487/04** ( 2006.01 )  
**C07D 487/08** ( 2006.01 )  
**C07D 487/10** ( 2006.01 )  
**C07D 491/044** ( 2006.01 )
- (87) WO2023/122662  
(31) 63/292,910 (32) 22.12.21 (33) US  
63/313,040 23.02.22 US  
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**G06N 10/00** ( 2022.01 )  
**G05B 15/02** ( 2006.01 )  
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**G06N 10/60** ( 2022.01 )  
**G06N 10/40** ( 2022.01 )
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**A61K 35/545** ( 2015.01 )  
**A61P 15/08** ( 2006.01 )  
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*C01B 3/24* ( 2006.01 )  
*B01J 19/24* ( 2006.01 )  
*C01B 3/38* ( 2006.01 )  
*C01B 3/40* ( 2006.01 )  
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*A61P 31/04* ( 2006.01 )  
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*B07C 1/00* ( 2006.01 )  
*B07C 5/342* ( 2006.01 )  
*H05B 39/10* ( 2006.01 )  
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*A61K 9/127* ( 2006.01 )  
*A61K 9/51* ( 2006.01 )  
*A61K 31/7105* ( 2006.01 )  
*A61K 31/7115* ( 2006.01 )  
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*A61P 11/00* ( 2006.01 )  
*C07K 14/47* ( 2006.01 )  
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**B65D 5/54** ( 2006.01 )  
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**G06K 19/077** ( 2006.01 )  
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**B65D 65/40** ( 2006.01 )  
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**D21C 5/02** ( 2006.01 )  
**A61F 5/44** ( 2006.01 )  
**A61L 11/00** ( 2006.01 )  
**B09B 5/00** ( 2006.01 )  
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**A61L 101/10** ( 2006.01 )  
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**A61K 48/00** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )  
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**A01N 25/00** ( 2006.01 )  
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**B26D 7/26** ( 2006.01 )

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**B26D 1/36** ( 2006.01 )  
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**(74)** Kings Patent & Trade Marks Attorneys Pty Ltd
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**B23P 6/00** ( 2006.01 )  
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**B23G 7/02** ( 2006.01 )  
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**C12N 15/11** ( 2006.01 )  
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**(51)** Int. Cl.  
**B32B 5/02** ( 2006.01 )  
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**B32B 19/04** ( 2006.01 )  
**E04F 15/02** ( 2006.01 )  
**B32B 7/09** ( 2019.01 )  
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**(54)** STABBING GUIDE DEVICE FOR A STEEL TUBE FOR USE IN A TUBULAR HYDROCARBON COLUMN  
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**E21B 19/24** ( 2006.01 )  
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**C07D 405/14** ( 2006.01 )  
**A61K 31/501** ( 2006.01 )  
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**(54)** COMPLEMENT FACTOR-I FORMULATIONS  
**(51)** Int. Cl.  
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**A61K 38/00** ( 2006.01 )  
**A61K 47/10** ( 2017.01 )  
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**A61K 47/26** ( 2006.01 )  
**A61P 27/02** ( 2006.01 )  
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**(11)** AU-A-2022420600  
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**(51)** Int. Cl.  
**A61K 38/17** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**C07K 14/47** ( 2006.01 )  
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**(54)** ARRD C1-MEDIATED MICROVESICLES (ARMMS) DEGRADING SYSTEM AND USES THEREOF  
**(51)** Int. Cl.  
**C07K 14/47** ( 2006.01 )  
**C07K 16/00** ( 2006.01 )  
**C12N 15/115** ( 2010.01 )  
**(87)** WO2023/108089  
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**(43)** 15.06.2023  
**(72)** MILLMAN, Robert; NABHAN, Joseph; BUFFINGER, Nicholas  
**(74)** RnB IP Pty Ltd
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- (71)** VIIV HEALTHCARE COMPANY  
**(11)** AU-A-2022409827  
**(21)** 2022409827 **(22)** 16.12.2022  
**(54)** COMBINATION THERAPIES FOR HIV INFECTIONS AND USES THEREOF  
**(51)** Int. Cl.  
**A61K 31/519** ( 2006.01 )  
**A61P 31/18** ( 2006.01 )  
**C07K 16/10** ( 2006.01 )  
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**(43)** 22.06.2023  
**(72)** FERRIS, Robert; MADSEN, Heather; QI, Hangfei  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** VIRSEC SYSTEMS, INC.  
**(11)** AU-A-2022401895  
**(21)** 2022401895 **(22)** 02.12.2022  
**(54)** SYSTEM AND METHOD FOR TELEMETRY DATA BASED EVENT OCCURRENCE ANALYSIS WITH ADAPTIVE RULE FILTER  
**(51)** Int. Cl.  
**H04L 9/40** ( 2022.01 )  
**H04L 67/02** ( 2022.01 )  
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- (71) VIZIO, INC.  
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(21) 2022429804 (22) 27.12.2022  
(54) SYSTEMS AND METHODS FOR MEDIA BOUNDARY DETECTION  
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H04N 21/44 ( 2011.01 )  
G06N 20/00 ( 2019.01 )  
H04N 21/466 ( 2011.01 )  
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(72) SINGLA, Ridhima; ELLGASS, Samuel; MCNEAL, Evan  
(74) Davies Collison Cave Pty Ltd
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- (71) WALLAC OY  
(11) AU-A-2022439184  
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(51) Int. Cl.  
G01N 21/84 ( 2006.01 )  
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(21) 2022403613 (22) 06.12.2022  
(54) SENSOR ASSEMBLY  
(51) Int. Cl.  
G01N 21/64 ( 2006.01 )  
E21B 12/02 ( 2006.01 )  
E21B 47/01 ( 2012.01 )  
E21B 49/08 ( 2006.01 )  
G01N 21/01 ( 2006.01 )  
G01N 21/17 ( 2006.01 )  
G01N 21/85 ( 2006.01 )  
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(54) INTEGRATED PROPELLER-BOOM FAIRING  
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B64C 27/28 ( 2006.01 )  
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(54) COMBINED BLADE DEVICE AND COMBINED AIR OUTLET DEVICE  
(51) Int. Cl.  
F04D 29/26 ( 2006.01 )  
F04D 25/08 ( 2006.01 )  
F04D 29/28 ( 2006.01 )  
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(51) Int. Cl.  
A62C 3/07 ( 2006.01 )  
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A62C 35/13 ( 2006.01 )  
H01M 10/613 ( 2014.01 )  
H01M 10/625 ( 2014.01 )  
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C25B 1/27 ( 2021.01 )  
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- (71) ZERION PHARMA APS  
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(51) Int. Cl.  
A61K 9/14 ( 2006.01 )  
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(51) Int. Cl.  
A01H 3/04 ( 2006.01 )  
A01G 7/06 ( 2006.01 )  
A01G 13/00 ( 2006.01 )  
A01H 5/00 ( 2018.01 )  
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- (71) ZTE CORPORATION  
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(21) 2022381586 (22) 11.08.2022  
(54) RESOURCE DETERMINING METHOD, APPARATUS, DEVICE, MEDIUM, AND PRODUCT  
(51) Int. Cl.  
H04W 24/04 ( 2009.01 )  
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(21) 2022452531 (22) 11.04.2022  
(54) SYSTEMS AND METHODS FOR REFERENCE SIGNALING DESIGN AND CONFIGURATION  
(51) Int. Cl.  
H04W 4/02 ( 2018.01 )  
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(54) A METHOD FOR RESOURCE ALLOCATION  
(51) Int. Cl.  
H04W 72/04 ( 2023.01 )  
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(74) Davies Collison Cave Pty Ltd
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- (71) ZYPHO, S.A.  
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(21) 2022409943 (22) 23.09.2022  
(54) VERTICAL HEAT RECOVERY SYSTEM  
(51) Int. Cl.  
F28D 7/10 ( 2006.01 )  
F28F 1/00 ( 2006.01 )  
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2021473848	TELESIS BIO INC.	2022385453	UNABIZ
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2021475950	DOW GLOBAL TECHNOLOGIES LLC; ROHM AND HAAS COMPANY	2022386354	CURELATOR, INC.; CASANOVA, A.; DONOGHUE, S.; MIAN, A.; BOUCHER, G.
2021476471	HANGZHOU REPROGENIX BIOSCIENCE, INC.	2022386650	TARGEPEUTICS, INC.
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2021478659	KABUSHIKI KAISHA TOSHIBA; TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION	2022387121	TERNS PHARMACEUTICALS, INC.
2021479092	KABUSHIKI KAISHA TOSHIBA; TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION	2022387142	KYLIX PTY LTD
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2022311805	STRONG FORCE TX PORTFOLIO 2018, LLC	2022387152	THE SEMEX ALLIANCE
2022376565	PAX PRODUCTS, LLC; SCHULER, J.C.	2022387322	HYDRO-GEN BV
2022377084	JANSSEN BIOTECH, INC.	2022387652	SOTER BIOPHARMA PTE. LTD.
2022377226	MEDOS INTERNATIONAL SARL	2022387834	HÖRMANN KLATT CONVEYORS GMBH
2022377227	IBISVISION LTD	2022388087	MCCAIN FOODS LIMITED
2022379940	ADVANCED NEUROMODULATION SYSTEMS, INC.	2022388507	TERNS PHARMACEUTICALS, INC.
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2022380481	BOSTON SCIENTIFIC NEUROMODULATION CORPORATION	2022388776	HÖRMANN KLATT CONVEYORS GMBH
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2022380765	ANCRA INTERNATIONAL LLC; WABASH NATIONAL, L.P.	2022389343	SABIC AGRI-NUTRIENTS COMPANY
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2022380901	ATELIER MEATS CORP.	2022390021	ROHM AND HAAS COMPANY
2022380934	BOSTON SCIENTIFIC NEUROMODULATION CORPORATION	2022390023	BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM
2022380980	DATANG MOBILE COMMUNICATIONS EQUIPMENT CO., LTD.	2022390214	CHEMICAR EUROPE NV
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2022381663	AUSTRALIAN CONVEYOR COMPONENTS PTY LTD	2022390803	BPGPIO, INC.
2022381690	SYNTEGON PACKAGING SOLUTIONS B.V.	2022392367	L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE
2022381763	GEORGIAMUNE INC.	2022392574	THE UNIVERSITY OF BRITISH COLUMBIA
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2022403864	GRIPPLE LIMITED	2022409230	COMPASS PATHFINDER LIMITED
2022403927	PROPREBEBE INC.	2022409278	CERAMIC DATA SOLUTIONS GMBH
2022404036	DANIELI & C. OFFICINE MECCANICHE S.P.A.	2022409564	KLEINE, M.
2022404342	JOYOUNG COMPANY LIMITED	2022409713	VALERIO THERAPEUTICS
2022404526	INVENTIO AG	2022409796	MICROTEK MEDICAL, INC.
2022404568	ELLEPOT A/S	2022409827	VIIV HEALTHCARE COMPANY
		2022409831	TFF PHARMACEUTICALS, INC.

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2022409833	LNHC, INC.	2022419551	BP P.L.C.
2022409917	BAE SYSTEMS PLC	2022420007	VERTEX PHARMACEUTICALS INCORPORATED
2022409943	ZYPHO, S.A.	2022420173	NORITZ CORPORATION
2022410014	INTAS PHARMACEUTICALS LTD.	2022420207	SUNTORY HOLDINGS LIMITED
2022410367	REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG	2022420208	SUNTORY HOLDINGS LIMITED
2022410370	ARCADOPHTA	2022420209	SUNTORY HOLDINGS LIMITED
2022410540	FENYŐSY, J.	2022420392	THALES
2022410587	LUBRIZOL ADVANCED MATERIALS, INC.	2022420508	CHEMO RESEARCH, S.L.
2022410638	BUSHNELL HOLDINGS, INC.	2022420600	VERTEX PHARMACEUTICALS INCORPORATED
2022410683	INTAS PHARMACEUTICALS LTD.	2022420616	QUANTUM-SI INCORPORATED
2022410894	HILL'S PET NUTRITION, INC.	2022420882	INTERVET INTERNATIONAL B.V.
2022411779	SIEMENS ENERGY GLOBAL GMBH & CO. KG	2022421017	NICOVENTURES TRADING LIMITED
2022412062	ISLAND TECHNOLOGY, INC.	2022421018	NICOVENTURES TRADING LIMITED
2022412063	ISLAND TECHNOLOGY, INC.	2022421023	CAVENDISH NUCLEAR LIMITED
2022412827	CSPC ZHONGQI PHARMACEUTICAL TECHNOLOGY (SHIJIAZHANG) CO., LTD	2022421220	ILLUMINA, INC.
2022412835	LYNK PHARMACEUTICALS CO. LTD.	2022421224	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
2022412872	FUNDACIÓN CENTRO DIAGNÓSTICO NUCLEAR; COMISIÓN NACIONAL DE ENERGÍA ATÓMICA; UNIVERSIDADE DE COIMBRA	2022421225	NEPTUNE MEDICAL INC.
2022413033	BRANDENBURGER LINER GMBH & CO. KG	2022421245	NEPTUNE MEDICAL INC.
2022413282	BURNDY, LLC	2022421708	BEAM THERAPEUTICS INC.
2022413391	SMITH & NEPHEW, INC.; SMITH & NEPHEW ORTHOPAEDICS AG; SMITH & NEPHEW ASIA PACIFIC PTE. LIMITED	2022421945	SILICON QUANTUM COMPUTING PTY LIMITED
2022413434	COLGATE-PALMOLIVE COMPANY	2022421961	EKONA POWER INC.
2022413450	SULNOX GROUP PLC	2022421990	URSCHEL LABORATORIES, INC.
2022413507	COLGATE-PALMOLIVE COMPANY	2022422283	NICOVENTURES TRADING LIMITED
2022413511	ACEPODIA BIOTECHNOLOGIES LTD.	2022422304	AATEC MEDICAL GMBH
2022413752	BAE SYSTEMS PLC	2022422718	DIAGDEV
2022413792	AGCO CORPORATION	2022422746	NICOVENTURES TRADING LIMITED
2022414038	BAE SYSTEMS PLC	2022422875	NICOVENTURES TRADING LIMITED
2022414083	THE ADMINISTRATORS OF THE TULANE EDUCATIONAL FUND	2022423026	3M INNOVATIVE PROPERTIES COMPANY
2022414206	MBGSHOLDINGS PTY LTD	2022423287	NORDEX ENERGY SPAIN S.A.U.
2022414582	UNICHARM CORPORATION	2022423429	THALES
2022415183	CAPITAL ONE SERVICES, LLC	2022423515	SUNTORY HOLDINGS LIMITED
2022415211	SYNGENTA CROP PROTECTION AG	2022423820	SUNTORY HOLDINGS LIMITED
2022415284	WONDERLAND SWITZERLAND AG	2022423908	SYNGENTA CROP PROTECTION AG
2022415374	ISOBIONICS B.V.	2022424121	CRYOSA, INC.
2022415445	BUSHNELL HOLDINGS, INC.	2022424241	NORDEX ENERGY SPAIN, S.A.U.
2022416366	GILGEN DOOR SYSTEMS AG	2022424444	SUNTORY HOLDINGS LIMITED
2022416554	KYMERA THERAPEUTICS, INC.	2022424986	AVALARA, INC.
2022416661	THOMSON REUTERS ENTERPRISE CENTRE GMBH	2022425173	LINDSAY CORPORATION
2022416844	SAINT-GOBAIN ISOVER	2022425180	TELEFLEX MEDICAL INCORPORATED
2022416958	EESTECH INC; EESTECH EUROPE HOLDINGS BV	2022425230	CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE; CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.
2022417042	ISLAND TECHNOLOGY, INC.	2022425410	NORDEX ENERGY SPAIN, S.A.U.
2022417127	KIRIN HOLDINGS KABUSHIKI KAISHA	2022425925	FUJITSU GENERAL LIMITED
2022417396	HBVTECH, LLC.	2022426495	AMBER KINETICS, INC.
2022417822	MÖLNLYCKE HEALTH CARE AB	2022426794	MYCOTECHNOLOGY, INC.
2022417968	SUNTORY HOLDINGS LIMITED	2022426799	CURZA GLOBAL, LLC; THE UNIVERSITY OF UTAH RESEARCH FOUNDATION
2022417971	SUNTORY HOLDINGS LIMITED	2022427179	SUNTORY HOLDINGS LIMITED
2022418130	TOTALENERGIES ONETECH	2022427289	XUXIN TECHNOLOGY (SHENZHEN) GROUP CO., LTD
2022418271	N.V. NUTRICIA	2022427639	JIANGSU SHEMAR ELECTRIC CO., LTD.
2022418378	NICOVENTURES TRADING LIMITED	2022428329	SUNTORY HOLDINGS LIMITED
2022418379	NICOVENTURES TRADING LIMITED	2022428570	FUJITSU GENERAL LIMITED
2022418381	NICOVENTURES TRADING LIMITED	2022428729	CHINA PETROLEUM & CHEMICAL CORPORATION; SINOPEC PETROLEUM ENGINEERING TECHNOLOGY RESEARCH INSTITUTE CO., LTD.
2022418491	MOTOROLA SOLUTIONS, INC.	2022429802	EIL THERAPEUTICS, INC.
2022418511	BEAM THERAPEUTICS INC.	2022429804	VIZIO, INC.
2022418605	MEMORIAL SLOAN-KETTERING CANCER CENTER; SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH; MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES	2022429964	RAYTHEON COMPANY
2022418623	SPR THERAPEUTICS, INC.	2022430859	VALLOUREC OIL AND GAS FRANCE
2022418992	SIEMENS ENERGY GLOBAL GMBH & CO. KG	2022431027	GISLER, M.
2022419003	GAMBRO LUNDIA AB	2022431191	PHYNEXUS, Inc.
2022419160	NOURYON CHEMICALS INTERNATIONAL B.V.	2022431402	SENNICS CO., LTD.
2022419234	ARTEDRONE	2022431477	ROCSYS B.V.
2022419442	NICOVENTURES TRADING LIMITED	2022433626	AVALARA, Inc.
2022419447	CAVENDISH NUCLEAR LIMITED	2022434120	HANGZHOU TIANLONG PHARMACEUTICAL CO., LTD.
2022419448	CAVENDISH NUCLEAR LIMITED	2022434939	ELECTROLUX APPLIANCES AKTIEBOLAG
		2022434993	NIPPON STEEL CORPORATION
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2022444842	LEUPOLD & STEVENS, INC.
2022444938	LENOVO (BEIJING) LIMITED
2022448212	HANGZHOU SUNSTONE TECHNOLOGY CO., LTD.
2022449824	AKTSIONERNOE OBSHCHESTVO "MIKHAILOVSKII GOK IMENI ANDREYA VLADIMIROVICH VA VARICHEVA"; ZAKHAROV, A.G.; EFENDIEV, N.T.
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2022453749	ZTE CORPORATION
2022456860	SOCIEDAD QUIMICA Y MINERA DE CHILE S.A.
2022457154	SOCIEDAD QUIMICA Y MINERA DE CHILE S.A.
2022457220	SOCIEDAD QUIMICA Y MINERA DE CHILE S.A.
2022468832	GUROK HOLDING B.V.
2023204454	MEDA PHARMA S.P.A.
2023205870	THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK
2023206271	MN ENERGY LIMITED
2023206292	JAPAN INTERNATIONAL RESEARCH CENTER FOR AGRICULTURAL SCIENCES; IHI CORPORATION
2023207026	BISICHEM CO., LTD.
2023208543	ENTRION WIND, Inc.
2023208657	CONOCOPHILLIPS COMPANY
2023208659	CONOCOPHILLIPS COMPANY
2023208758	CAPE ANALYTICS, INC.
2023209585	DSM IP ASSETS B.V.
2023210241	CONOCOPHILLIPS COMPANY
2023210470	HUNTER, D.; SHOT SCOPE TECHNOLOGIES LIM- ITED
2023211158	SANDVIK MINING AND CONSTRUCTION TOOLS AB
2023212693	MICROSOFT TECHNOLOGY LICENSING, LLC.
2023212786	WISK AERO LLC
2023213092	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2023213129	SAINT-GOBAIN ISOVER
2023214078	ATELIERS BUSCH SA
2023215096	THE TORO COMPANY
2023215283	TRAVIS INDUSTRIES, INC.
2023215745	APR APPLIED PHARMA RESEARCH SA
2023216132	DR.NOAH BIOTECH INC.
2023216348	IGM BIOSCIENCES, INC.
2023218076	NGK INSULATORS, LTD.
2023220958	GLOBAL ADVANCED METALS USA, INC.; SHINSHU UNIVERSITY
2023221988	A.W. CHESTERTON COMPANY
2023222786	NGK INSULATORS, LTD.
2023223720	JFE STEEL CORPORATION
2023224225	CYTIVA BIOPROCESS R&D AB
2023225226	LENOVO (SINGAPORE) PTE. LTD.
2023231871	UACJ CORPORATION
2023251370	SAMSUNG ELECTRONICS CO., LTD.
2023257930	BERG LLC
2023273539	AUSTRALIAN MAKESAFES PTY LTD
2023282161	LG ENERGY SOLUTION, LTD.
2023302884	POVIVA CORP
2023308145	POLITECHNIKA WARSZAWSKA
2023312379	JINKO SOLAR (HAINING) CO., LTD.
2023331395	ROLSTON, B.
2023331400	LIER CHEMICAL CO., LTD.
2023337867	GOOGLE LLC
2023348039	YANTAI CHUNGWAY NEW ENERGY TECHNOLOGY CO., LTD.
2023363070	LG CHEM, LTD.
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2022386166	2022390023				

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<b><u>A62C 35 /-</u></b>	<b><u>B01D 67 /-</u></b>	2022456860 2022457220	<b><u>B27N 1 /-</u></b>	2022403803	<b><u>B63B 35 /-</u></b>
2022376565 2022410587 2023348039	2022419003	<b><u>B03C 1 /-</u></b>	2022407717	<b><u>B60M 1 /-</u></b>	2022418130 2023208543
<b><u>A62C 37 /-</u></b>	<b><u>B01D 71 /-</u></b>	2022449824	<b><u>B27N 3 /-</u></b>	2022403864	<b><u>B63C 11 /-</u></b>
2022376565	2022419003	<b><u>B03D 1 /-</u></b>	2022407717	<b><u>B60M 7 /-</u></b>	2022420392
<b><u>A63B 21 /-</u></b>	<b><u>B01F 25 /-</u></b>	2022449824 2022456860 2022457220	<b><u>B28B 7 /-</u></b>	2022396060 2022396067	<b><u>B63G 8 /-</u></b>
2022388642	2022381525 2022431191	<b><u>B05B 1 /-</u></b>	2022423287	<b><u>B60N 3 /-</u></b>	2022420392
<b><u>A63B 24 /-</u></b>	<b><u>B01F 35 /-</u></b>	2022415211	<b><u>B29B 17 /-</u></b>	2022405003	<b><u>B64B 1 /-</u></b>
2022388642 2023210470	2022381525	<b><u>B05B 12 /-</u></b>	2022414582	<b><u>B60P 1 /-</u></b>	2022390562
<b><u>A63B 57 /-</u></b>	<b><u>B01J 19 /-</u></b>	2022415211	<b><u>B29C 65 /-</u></b>	2022408013	<b><u>B64C 27 /-</u></b>
2023210470	2022381525 2022392574	<b><u>B05B 7 /-</u></b>	2022381690 2022383483	<b><u>B60P 7 /-</u></b>	2023212786
<b><u>A63B 60 /-</u></b>	<b><u>B01J 20 /-</u></b>	2022390214	<b><u>B32B 19 /-</u></b>	2022380765	<b><u>B64C 39 /-</u></b>
2023210470	2022399263 2023224225	<b><u>B07C 1 /-</u></b>	2022407969	<b><u>B60R 9 /-</u></b>	2022390562
<b><u>A63B 69 /-</u></b>	<b><u>B01J 21 /-</u></b>	2022407597	<b><u>B32B 27 /-</u></b>	2021477863	<b><u>B64D 11 /-</u></b>
2023210470	2022419551 2023363070	<b><u>B07C 5 /-</u></b>	2022407969	<b><u>B60T 5 /-</u></b>	2022405003
<b><u>A63B 71 /-</u></b>	<b><u>B01J 23 /-</u></b>	2022407597	<b><u>B32B 5 /-</u></b>	2022403803	<b><u>B64D 45 /-</u></b>
2023210470	2022419551 2023220958 2023363070	<b><u>B09B 5 /-</u></b>	2022407969	<b><u>B60W 30 /-</u></b>	2022405003
<b><u>A63F 13 /-</u></b>	<b><u>B01J 35 /-</u></b>	2022414582	<b><u>B32B 7 /-</u></b>	2022397211	<b><u>B64F 1 /-</u></b>
2022311805	2022419551 2023220958 2023363070	<b><u>B21H 3 /-</u></b>	2022407969	<b><u>B60W 40 /-</u></b>	2022387834 2022388776
<b><u>B01D 17 /-</u></b>	<b><u>B01J 37 /-</u></b>	2021474464	<b><u>B33Y 50 /-</u></b>	2022397211	<b><u>B64F 5 /-</u></b>
2022413450	2022419551 2023220958	<b><u>B22D 41 /-</u></b>	2022399045	<b><u>B60W 50 /-</u></b>	2022390562
<b><u>B01D 25 /-</u></b>	<b><u>B01J 37 /-</u></b>	2022410367	<b><u>B60B 17 /-</u></b>	2022397211	<b><u>B65B 51 /-</u></b>
2022403557	2022419551 2023220958 2023363070	<b><u>B23G 7 /-</u></b>	2022434993	<b><u>B62B 3 /-</u></b>	2022383483
<b><u>B01D 29 /-</u></b>	<b><u>B01J 39 /-</u></b>	2021474464	<b><u>B60D 1 /-</u></b>	2022405542	<b><u>B65B 59 /-</u></b>
2022403557	2022399263	<b><u>B23K 26 /-</u></b>	2021477863	2022405542 2022415284	2022383483
<b><u>B01D 33 /-</u></b>	<b><u>B01J 41 /-</u></b>	2022434939	<b><u>B60L 1 /-</u></b>	<b><u>B62B 5 /-</u></b>	<b><u>B65B 65 /-</u></b>
2022403557	2022399263	<b><u>B23K 31 /-</u></b>	2022403803	2022405542 2022415284	2022383483
<b><u>B01D 35 /-</u></b>	<b><u>B01J 47 /-</u></b>	2022421023	<b><u>B60L 15 /-</u></b>	2022415284	<b><u>B65B 9 /-</u></b>
2022386723	2022399263	<b><u>B23P 6 /-</u></b>	2022398346	<b><u>B62D 43 /-</u></b>	2022383483 2022418381
<b><u>B01D 53 /-</u></b>	<b><u>B01J 8 /-</u></b>	2021474464	<b><u>B60L 5 /-</u></b>	2021477863	<b><u>B65D 5 /-</u></b>
2022440540 2022440627 2023218076 2023222786	2023218076	<b><u>B25J 3 /-</u></b>	2022396060 2022396067	<b><u>B63B 1 /-</u></b>	2022384692 2022385453
<b><u>B01D 61 /-</u></b>	<b><u>B02C 23 /-</u></b>	2022436476	<b><u>B60L 53 /-</u></b>	2022418130	<b><u>B65D 51 /-</u></b>
2023222786	2022416958	<b><u>B26D 1 /-</u></b>	2022406782	<b><u>B63B 21 /-</u></b>	2021473934
<b><u>B01D 63 /-</u></b>	<b><u>B02C 4 /-</u></b>	2022421990	<b><u>B60L 58 /-</u></b>	2022420392 2023208543	<b><u>B65D 65 /-</u></b>
2022440540	2022416958	<b><u>B26D 3 /-</u></b>	2022397211 2022398346 2022403803	2022423429	2022385453
	<b><u>B03B 7 /-</u></b>	<b><u>B26D 7 /-</u></b>	<b><u>B60L 7 /-</u></b>	<b><u>B63B 27 /-</u></b>	<b><u>B65D 77 /-</u></b>
	2022449824	2022421990	2022398618	2022423429	2022418381



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

<b><u>B65D 83 /-</u></b>	<b><u>C03C 4 /-</u></b>	<b><u>C07C 49 /-</u></b>	2023207026	<b><u>C07K 14 /-</u></b>	<b><u>C08F 285 /-</u></b>
2022410370	2022468832	2022431402	<b><u>C07D 405 /-</u></b>	2022383847	2022390021
<b><u>B65G 15 /-</u></b>	<b><u>C04B 28 /-</u></b>	<b><u>C07C 69 /-</u></b>	2022400780	2022386650	2022394524
2022408201	2022400284	2022407070	2022405067	2022388747	<b><u>C08G 77 /-</u></b>
<b><u>B65G 37 /-</u></b>	<b><u>C05B 7 /-</u></b>	<b><u>C07D 207 /-</u></b>	2022412835	2022390457	2021475950
2022387834	2021477690	2022418511	2022421224	2022390766	<b><u>C08L 33 /-</u></b>
<b><u>B65G 39 /-</u></b>	<b><u>C05C 9 /-</u></b>	<b><u>C07D 209 /-</u></b>	2022426799	2022392824	2021475950
2022408201	2022389343	2022405438	<b><u>C07D 409 /-</u></b>	2022399440	<b><u>C08L 5 /-</u></b>
<b><u>B65G 45 /-</u></b>	<b><u>C05D 3 /-</u></b>	2022416554	2022412835	2022401701	2022381548
2022381663	2022389343	<b><u>C07D 211 /-</u></b>	<b><u>C07D 413 /-</u></b>	2022402322	<b><u>C08L 83 /-</u></b>
<b><u>B66B 31 /-</u></b>	<b><u>C05G 5 /-</u></b>	2022418511	2022405067	2022403006	2021475950
2022404526	2021477690	2022421708	2022426799	2022404756	<b><u>C09D 133 /-</u></b>
<b><u>B66C 13 /-</u></b>	<b><u>C06B 25 /-</u></b>	<b><u>C07D 213 /-</u></b>	<b><u>C07D 417 /-</u></b>	2022407242	<b><u>C09D 151 /-</u></b>
2022387147	2022389343	2022382397	2022412835	2022407531	2022381548
2022399275	2023308145	2022405700	2023257930	2022420600	<b><u>C09D 83 /-</u></b>
<b><u>B66C 23 /-</u></b>	<b><u>C07B 61 /-</u></b>	<b><u>C07D 221 /-</u></b>	<b><u>C07K 16 /-</u></b>	2022422304	2021475950
2022387147	2023222786	2022403630	2022377084	2022426794	2021475950
2022399275	<b><u>C07C 205 /-</u></b>	<b><u>C07D 233 /-</u></b>	2022380155	<b><u>C09D 133 /-</u></b>	<b><u>C09D 133 /-</u></b>
<b><u>B82Y 10 /-</u></b>	2023308145	<b><u>C07D 239 /-</u></b>	2022382383	<b><u>C09D 151 /-</u></b>	2022390021
2022421945	<b><u>C07C 219 /-</u></b>	2022405067	2022382978	<b><u>C09K 5 /-</u></b>	2022402984
<b><u>B82Y 25 /-</u></b>	2022405295	2022401468	2022383847	2022402984	<b><u>C09K 8 /-</u></b>
2022421945	2022407070	2022421224	2022386166	2022405004	<b><u>C10G 2 /-</u></b>
<b><u>C01B 3 /-</u></b>	2022421708	2022426799	2022390457	<b><u>C10G 33 /-</u></b>	2022419551
2022392574	<b><u>C07C 229 /-</u></b>	<b><u>C07D 305 /-</u></b>	2022393557	2022417396	2023218076
2023363070	2022405295	2022390215	2022399679	2022401701	<b><u>C10G 33 /-</u></b>
<b><u>C01B 32 /-</u></b>	2022407070	<b><u>C07D 307 /-</u></b>	2022401701	2022402322	2022413450
2022392574	2022418511	<b><u>C07D 309 /-</u></b>	2022406341	2022406341	<b><u>C10L 1 /-</u></b>
<b><u>C01D 1 /-</u></b>	2022434120	2022390215	2022407021	2022407021	<b><u>C10L 1 /-</u></b>
2022395751	<b><u>C07C 271 /-</u></b>	2022403630	2022407242	2022407242	2022413450
<b><u>C01D 15 /-</u></b>	2022405295	<b><u>C07D 311 /-</u></b>	2022407531	2022407242	<b><u>C11D 1 /-</u></b>
2022457154	2022407070	2022412827	2022408069	2022418605	2022413434
<b><u>C02F 1 /-</u></b>	2023222786	<b><u>C07D 313 /-</u></b>	2022409827	<b><u>C07K 7 /-</u></b>	<b><u>C11D 3 /-</u></b>
2022413450	<b><u>C07C 31 /-</u></b>	2022403630	2022417396	2022392824	2022413434
<b><u>C02F 101 /-</u></b>	2022440540	<b><u>C07D 401 /-</u></b>	2023216348	<b><u>C07K 19 /-</u></b>	<b><u>C12C 11 /-</u></b>
2022413450	2023218076	2022390215	2022386650	2022386650	2022424444
<b><u>C03C 25 /-</u></b>	2023222786	2022402852	2022404756	2022404756	2022427179
2022395751	<b><u>C07C 31 /-</u></b>	2022405067	2022407242	2022407242	2022428329
2022457154	2022440540	2022412835	2022418605	<b><u>C07K 7 /-</u></b>	<b><u>C12C 5 /-</u></b>
<b><u>C02F 1 /-</u></b>	2023218076	2022426799	<b><u>C07K 7 /-</u></b>	2022390457	2022427179
2022413450	2023222786	2023257930	2022392824	2022392824	2022413434
<b><u>C03C 25 /-</u></b>	<b><u>C07C 45 /-</u></b>	<b><u>C07D 403 /-</u></b>	<b><u>C07K 7 /-</u></b>	<b><u>C08B 37 /-</u></b>	<b><u>C12C 11 /-</u></b>
2023213129	2022431402	2022388507	2022390457	2022381548	2022424444
<b><u>C03C 3 /-</u></b>	<b><u>C07C 47 /-</u></b>	2022405067	2022407155	<b><u>C08F 2 /-</u></b>	2022427179
2022468832	2022405295	2022412835	2022407771	2022394524	2022428329
		2022416554	2023331400	<b><u>C08F 220 /-</u></b>	<b><u>C12C 5 /-</u></b>
		2022426799	<b><u>C07H 15 /-</u></b>	2021475950	2022427179
		2022429802	2022399868	<b><u>C08F 265 /-</u></b>	2022428329
			<b><u>C07K 1 /-</u></b>	2022390021	<b><u>C12C 7 /-</u></b>
			2022407668	2022394524	2022427179
			2022431191		2022428329

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

<b><u>C12G 3 /-</u></b>	<b><u>C12P 21 /-</u></b>	<b><u>C23C 4 /-</u></b>	<b><u>D21H 21 /-</u></b>	<b><u>E21B 19 /-</u></b>	<b><u>F04B 19 /-</u></b>
2022424444	2022422304	2022405463	2022396542	2022430859	2023214078
<b><u>C12M 1 /-</u></b>	<b><u>C12P 5 /-</u></b>	<b><u>C25B 1 /-</u></b>	<b><u>D21H 27 /-</u></b>	<b><u>E21B 23 /-</u></b>	<b><u>F04B 37 /-</u></b>
2022408206	2022415374	2022387322 2022395751 2022400330 2022418992	2021481130 2022396542	2022398980 2022399353 2022401381 2022401816 2022403551	2023214078
<b><u>C12M 3 /-</u></b>	<b><u>C12Q 1 /-</u></b>	<b><u>C25B 11 /-</u></b>	<b><u>E02D 29 /-</u></b>		<b><u>F04B 39 /-</u></b>
2022390766 2022408206	2021473848 2022385891 2022401057 2023213092		2022413033		2023214078
<b><u>C12N 1 /-</u></b>		2022411779 2022418992	<b><u>E02D 5 /-</u></b>	<b><u>E21B 33 /-</u></b>	<b><u>F04B 41 /-</u></b>
2022383892 2022385051 2022385891 2022406341 2022407518 2022407528 2022408173 2023206292	<b><u>C12R 1 /-</u></b>		2023208543	2022405118	2023214078
		<b><u>C25B 15 /-</u></b>	<b><u>E02D 7 /-</u></b>	<b><u>E21B 34 /-</u></b>	<b><u>F04B 53 /-</u></b>
	2022385891 2022407518 2022407528 2022408173	2022395751 2022411779 2022418992	2022402503	2022398980 2022399353 2022401381 2022401816 2022403551	2022405118
	<b><u>C21C 5 /-</u></b>	<b><u>C25B 3 /-</u></b>	<b><u>E02F 9 /-</u></b>		<b><u>F04C 25 /-</u></b>
	2022404036	2022411779	2022401813 2022402503		2023214078
<b><u>C12N 13 /-</u></b>				<b><u>E21B 36 /-</u></b>	<b><u>F04D 19 /-</u></b>
2022408206	<b><u>C21D 8 /-</u></b>	<b><u>C25B 9 /-</u></b>	<b><u>E03F 3 /-</u></b>	2022405118	2023214078
	2023223720	2022387322 2022411779 2022418992	2022413033		<b><u>F04D 25 /-</u></b>
<b><u>C12N 15 /-</u></b>	<b><u>C22B 1 /-</u></b>		<b><u>E04B 1 /-</u></b>	2022405118 2023208659	2022427289
2022383849 2022388747 2022390215 2022399364 2022399440 2022399679 2022400851 2022401495 2022406341 2022407021 2022407242 2022407531 2022407655 2022408069 2022408189 2022409713 2022417396 2022418511 2022420600	2022405659  <b><u>C22B 15 /-</u></b>  2022405659  <b><u>C22B 26 /-</u></b>  2022401545 2022405659 2022457154  <b><u>C22B 3 /-</u></b>  2022401545 2022405659 2022416958 2022457154 2023206271	<b><u>D04H 1 /-</u></b>  2023213129  <b><u>D06F 19 /-</u></b>  2022400542 2022401227 2022403437  <b><u>D06F 34 /-</u></b>  2022406570  <b><u>D06F 37 /-</u></b>  2022406570  <b><u>D06F 58 /-</u></b>  2022400542 2022401227 2022403437	2022383140 2022402114 2023213129  <b><u>E04F 15 /-</u></b>  2022407969  <b><u>E04G 21 /-</u></b>  2023273539  <b><u>E04H 12 /-</u></b>  2022383140 2022424241 2022425410  <b><u>E04H 4 /-</u></b>  2022383140  <b><u>E05D 15 /-</u></b>  2022416366  <b><u>E05F 15 /-</u></b>  2022416366  <b><u>E21B 1 /-</u></b>  2023211158  <b><u>E21B 12 /-</u></b>  2022403613  <b><u>E21B 17 /-</u></b>  2023211158	2022405118  <b><u>E21B 41 /-</u></b>  2022405118 2023208659  <b><u>E21B 43 /-</u></b>  2022405004 2023210241  <b><u>E21B 47 /-</u></b>  2022403613 2022407663 2023208657  <b><u>E21B 49 /-</u></b>  2022403613 2023208657  <b><u>E21B 7 /-</u></b>  2022402503 2022428729  <b><u>F01K 25 /-</u></b>  2022401654  <b><u>F01K 3 /-</u></b>  2022406724  <b><u>F01N 5 /-</u></b>  2022406989  <b><u>F03D 13 /-</u></b>  2022418130 2022424241 2022425410 2023208543	2023214078  <b><u>F04D 29 /-</u></b>  2022427289  <b><u>F16C 19 /-</u></b>  2022379954 2022407570  <b><u>F16C 23 /-</u></b>  2022407570  <b><u>F16C 33 /-</u></b>  2022379954  <b><u>F16C 35 /-</u></b>  2022379954 2022407570  <b><u>F16C 41 /-</u></b>  2022407570  <b><u>F16F 15 /-</u></b>  2022426495  <b><u>F16J 15 /-</u></b>  2023221988  <b><u>F16L 11 /-</u></b>  2022413033  <b><u>F16L 15 /-</u></b>  2023211158
<b><u>C12N 5 /-</u></b>	<b><u>C22B 47 /-</u></b>	2022400542 2022401227 2022403437			
2021476471 2022383849 2022385051 2022387152 2022390766 2022399679 2022406341 2022408206 2022413511	2022405659 2023206271  <b><u>C22B 7 /-</u></b>  2022405659  <b><u>C22C 21 /-</u></b>  2023231871  <b><u>C22C 38 /-</u></b>  2023223720  <b><u>C22F 1 /-</u></b>  2023231871	<b><u>D21C 5 /-</u></b>  2022414582  <b><u>D21F 11 /-</u></b>  2022396542  <b><u>D21H 17 /-</u></b>  2022396542			
<b><u>C12N 9 /-</u></b>					
2021473848 2022404756 2022415374 2022420600					
<b><u>C12P 19 /-</u></b>					
2021473848					

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<b><u>F16L 17 /-</u></b>	<b><u>F25B 9 /-</u></b>	<b><u>G01F 23 /-</u></b>	<b><u>G01V 5 /-</u></b>	<b><u>G06F 3 /-</u></b>	<b><u>G06Q 40 /-</u></b>
2022410587	2022392367 2022414206	2022421220	2022387834	2022311805 2022382108 2022386354	2022311805 2022380592 2022424986
<b><u>F16L 53 /-</u></b>	<b><u>F25D 19 /-</u></b>	<b><u>G01M 3 /-</u></b>	<b><u>G01V 99 /-</u></b>		
2022410587	2022392367	2022403018	2023208659	<b><u>G06F 30 /-</u></b>	<b><u>G06Q 50 /-</u></b>
<b><u>F16L 55 /-</u></b>	<b><u>F26B 23 /-</u></b>	<b><u>G01N 11 /-</u></b>	<b><u>G02B 21 /-</u></b>	2022381052 2023208659 2023208758 2023210241	2022311805 2022381052 2022382108 2022387834 2022424986
2022413033	2022409564	2022416844	2022402003		
<b><u>F16L 59 /-</u></b>	<b><u>F27B 3 /-</u></b>	<b><u>G01N 15 /-</u></b>	<b><u>G02B 23 /-</u></b>	<b><u>G06F 40 /-</u></b>	<b><u>G06Q 99 /-</u></b>
2022410587	2022404036	2022422718	2022379954 2022444842	2022403553	2023331395
<b><u>F16M 11 /-</u></b>	<b><u>F27D 99 /-</u></b>	<b><u>G01N 21 /-</u></b>	<b><u>G02B 27 /-</u></b>	<b><u>G06F 8 /-</u></b>	<b><u>G06T 15 /-</u></b>
2022410638 2022415445	2022404036	2022403613 2022404758 2022407597 2022422718 2022439184	2022382108 2022402003	2022311805	2022382108
<b><u>F17C 3 /-</u></b>	<b><u>F28D 15 /-</u></b>	<b><u>G01N 22 /-</u></b>	<b><u>G02C 7 /-</u></b>	<b><u>G06F 9 /-</u></b>	<b><u>G06T 19 /-</u></b>
2022392367 2022401896	2022401654	2022401201	2022405662	2022382992 2022412063	2022382108 2022399045
<b><u>F23N 1 /-</u></b>	<b><u>F28D 20 /-</u></b>	<b><u>G01N 24 /-</u></b>	<b><u>G02F 1 /-</u></b>	<b><u>G06K 19 /-</u></b>	<b><u>G06T 3 /-</u></b>
2023215283	2022401654	2023208657	2022407160	2022384692 2022385453	2022396109
<b><u>F23N 5 /-</u></b>	<b><u>F28F 1 /-</u></b>	<b><u>G01N 29 /-</u></b>	<b><u>G02F 7 /-</u></b>	<b><u>G06N 10 /-</u></b>	<b><u>G06T 5 /-</u></b>
2022420173 2023215283	2022409943	2022419447 2022419448 2022421023	2022414038	2022421945 2023205870	2022396109
<b><u>F24B 1 /-</u></b>	<b><u>F28F 13 /-</u></b>	<b><u>G01N 33 /-</u></b>	<b><u>G03B 13 /-</u></b>	<b><u>G06N 20 /-</u></b>	<b><u>G06T 7 /-</u></b>
2023215283	2022409943	2021473587 2022400255 2022407021 2022408069 2022408129 2022408206 2022413792 2022420616 2023208657	2022379954	2022311805 2022409205 2022429804 2023208659	2022396109 2022401056 2022403018 2022412872 2022431477 2023208758
<b><u>F24C 15 /-</u></b>	<b><u>F28G 3 /-</u></b>	<b><u>G01N 35 /-</u></b>	<b><u>G05B 15 /-</u></b>	<b><u>G06N 3 /-</u></b>	<b><u>G06V 10 /-</u></b>
2022434939	2022409564	2022408129 2022408206 2022413792 2022420616 2023208657	2023205870	2022311805 2023208659 2023337867	2022396109 2022399364 2022401056 2022402119 2023208758
<b><u>F24F 1 /-</u></b>	<b><u>F41G 1 /-</u></b>	<b><u>G01R 33 /-</u></b>	<b><u>G05D 1 /-</u></b>	<b><u>G06N 7 /-</u></b>	<b><u>G06V 20 /-</u></b>
2022406291	2022379954 2022444842	2022421945	2022420392	2022381052 2023208659 2023337867	2022402119 2023208758
<b><u>F24F 13 /-</u></b>	<b><u>F42B 3 /-</u></b>	<b><u>G01S 17 /-</u></b>	<b><u>G05D 7 /-</u></b>	<b><u>G06N 10 /-</u></b>	<b><u>G07C 9 /-</u></b>
2022406291	2022407663	2022413752	2022415211	2022416661	2022396247
<b><u>F24F 5 /-</u></b>	<b><u>F42C 11 /-</u></b>	<b><u>G01S 7 /-</u></b>	<b><u>G06F 16 /-</u></b>	<b><u>G06Q 20 /-</u></b>	<b><u>G10L 13 /-</u></b>
2022402114	2022407663	2022413752	2022401056 2022402119 2022403553 2022412062 2022416661 2022433626	2022311805 2022401525 2022415183	2023337867
<b><u>F24F 7 /-</u></b>	<b><u>F42D 1 /-</u></b>	<b><u>G01V 1 /-</u></b>	<b><u>G06F 17 /-</u></b>	<b><u>G06Q 30 /-</u></b>	<b><u>G10L 19 /-</u></b>
2022402114	2022407663	2022420392 2023208659	2022416661	2022311805 2022387834 2022388776 2022398142 2022401825 2023210241	2022405503
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2022414206	2022409205	2022413752	2023208758		
<b><u>F25B 40 /-</u></b>	<b><u>G01C 21 /-</u></b>		<b><u>G06F 21 /-</u></b>		
2022414206	2022420392	2022420392 2023208659	2022311805 2022399045 2022417042 2022418491 2023212693		
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2022414206	2022421220				
<b><u>F25B 5 /-</u></b>					
2022414206					

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2022399045	2023282161	2022425925	2022382108
<b><u>G11B 7 /-</u></b>	<b><u>H01M 8 /-</u></b>	2022426495	<b><u>H04N 19 /-</u></b>
2022409278	2022421961	2022428570	<b><u>H04N 19 /-</u></b>
<b><u>G16B 20 /-</u></b>	<b><u>H01R 13 /-</u></b>	<b><u>H02K 7 /-</u></b>	2022400902
2022420616	2022383140	2022388642	2023251370
2023213092	2022399563	2022426495	<b><u>H04N 21 /-</u></b>
<b><u>G16B 40 /-</u></b>	<b><u>H01R 24 /-</u></b>	<b><u>H02M 7 /-</u></b>	2022429804
2022396109	2022396060	2021478659	<b><u>H04S 7 /-</u></b>
<b><u>G16B 5 /-</u></b>	2022396067	2021479092	2022405503
2023213092	<b><u>H01R 25 /-</u></b>	<b><u>H02P 9 /-</u></b>	<b><u>H04W 12 /-</u></b>
<b><u>G16H 10 /-</u></b>	2022383140	2022399990	2022425230
2022386354	2022396060	<b><u>H02S 40 /-</u></b>	<b><u>H04W 24 /-</u></b>
<b><u>G16H 15 /-</u></b>	2022396067	2022431027	2022381586
2022396109	<b><u>H01R 35 /-</u></b>	<b><u>H03K 5 /-</u></b>	<b><u>H04W 36 /-</u></b>
<b><u>G16H 20 /-</u></b>	2022396060	2022379940	2023225226
2022381825	<b><u>H01R 4 /-</u></b>	<b><u>H03M 1 /-</u></b>	<b><u>H04W 4 /-</u></b>
2022386354	2022383140	2022414038	2022452531
<b><u>G16H 30 /-</u></b>	2022413282	<b><u>H04B 10 /-</u></b>	<b><u>H04W 48 /-</u></b>
2022399045	<b><u>H01R 43 /-</u></b>	2022382992	2023225226
2022401056	2022383140	<b><u>H04B 13 /-</u></b>	<b><u>H04W 72 /-</u></b>
<b><u>G16H 40 /-</u></b>	<b><u>H01R 9 /-</u></b>	2022409917	2022444938
2022381825	2022383140	<b><u>H04B 7 /-</u></b>	2022453749
2022382724	<b><u>H02G 15 /-</u></b>	2022382992	<b><u>H05B 39 /-</u></b>
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2022382724	<b><u>H02G 3 /-</u></b>	2023331395	<b><u>H05B 6 /-</u></b>
2022401056	2022383140	<b><u>H04L 47 /-</u></b>	2022434939
2023213092	<b><u>H02H 7 /-</u></b>	2022402792	<b><u>H05K 5 /-</u></b>
<b><u>G16H 70 /-</u></b>	2022425173	<b><u>H04L 5 /-</u></b>	2022406291
2022396109	<b><u>H02H 9 /-</u></b>	2022380980	<b><u>H10N 10 /-</u></b>
<b><u>H01F 27 /-</u></b>	2022425173	<b><u>H04L 67 /-</u></b>	2022406989
2022427639	<b><u>H02J 3 /-</u></b>	2022401895	<b><u>H10N 99 /-</u></b>
<b><u>H01F 41 /-</u></b>	2022429964	2022412062	2022421945
2022427639	<b><u>H02J 7 /-</u></b>	<b><u>H04L 9 /-</u></b>	
<b><u>H01L 29 /-</u></b>	2022398346	2022311805	
2022421945	2022399563	2022380592	
<b><u>H01L 31 /-</u></b>	2022429964	2022396247	
2022431027	<b><u>H02K 1 /-</u></b>	2022397548	
2023312379	2022426495	2022398199	
2023375286	<b><u>H02K 15 /-</u></b>	2022401895	
<b><u>H01M 10 /-</u></b>	2022426495	2022412062	
2023348039		2022417042	
		2023212693	

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**A61K 31/713** ( 2006.01 )  
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**A61K 38/46** ( 2006.01 )  
**C12N 5/10** ( 2006.01 )  
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**F02C 9/24** ( 2006.01 )  
**F02C 9/26** ( 2006.01 )  
**F02C 9/28** ( 2006.01 )  
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 (62) 2021200548  
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 (74) Phillips Ormonde Fitzpatrick

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**C09D 5/08** ( 2006.01 )  
**H01B 3/30** ( 2006.01 )  
**H01L 23/24** ( 2006.01 )  
**H05K 3/28** ( 2006.01 )  
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**A61K 8/44** ( 2006.01 )  
**A61Q 5/02** ( 2006.01 )  
**A61Q 5/12** ( 2006.01 )  
**A61Q 11/00** ( 2006.01 )  
**A61Q 19/10** ( 2006.01 )  
**C07C 219/06** ( 2006.01 )  
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**A61K 8/18** ( 2006.01 )  
**A61Q 5/06** ( 2006.01 )  
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**A61K 31/53** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 25/16** ( 2006.01 )  
**A61P 25/24** ( 2006.01 )  
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**C07D 251/34** ( 2006.01 )  
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**F21S 4/26** ( 2016.01 )  
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**G06Q 50/02** ( 2012.01 )  
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**C12M 1/34** ( 2006.01 )  
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**H02J 3/14** ( 2006.01 )  
**G05B 1/01** ( 2006.01 )  
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 (54) Methods and apparatus for conditioning cell populations for cell therapies  
 (51) Int. Cl.  
**C12M 3/00** ( 2006.01 )  
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**B29C 49/42** ( 2006.01 )  
**B29C 49/00** ( 2006.01 )  
**B29C 49/02** ( 2006.01 )

**B29C 49/04** ( 2006.01 )  
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**B29C 55/24** ( 2006.01 )  
**B29C 69/00** ( 2006.01 )  
**B29K 23/00** ( 2006.01 )  
**B29K 27/06** ( 2006.01 )  
**B29L 9/00** ( 2006.01 )  
**B29L 23/18** ( 2006.01 )  
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 (51) Int. Cl.  
**E04B 1/61** ( 2006.01 )  
**E04B 1/48** ( 2006.01 )  
**E04B 2/08** ( 2006.01 )  
**E04F 13/076** ( 2006.01 )  
**E04F 19/06** ( 2006.01 )  
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 (54) THERMAL IMMERSION CIRCULATOR  
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**H05B 3/42** ( 2006.01 )  
**B01L 7/00** ( 2006.01 )  
**H05B 1/02** ( 2006.01 )  
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 (54) Methods and devices for aesthetic treatment of biological structures by radiofrequency and magnetic energy  
 (51) Int. Cl.  
**A61N 2/00** ( 2006.01 )  
**A61B 18/00** ( 2006.01 )  
**A61B 18/12** ( 2006.01 )  
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**C12M 1/42** ( 2006.01 )  
**C12N 13/00** ( 2006.01 )  
 (87) WO2021/156366  
 (31) 20156005.9 (32) 07.02.20 (33) EP  
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 MATHYS, Alexander; BUCHMANN,  
 Leandro; GEORGET, Erika Sylvie;  
 BÜNDER, Jana Carmen  
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**F16C 11/04** ( 2006.01 )  
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**G01S 17/42** ( 2006.01 )  
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**G06T 7/11** ( 2017.01 )  
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**G02C 7/04** ( 2006.01 )  
**A61F 2/16** ( 2006.01 )  
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**A01N 25/30** ( 2006.01 )  
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**B26D 3/08** ( 2006.01 )  
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**C12N 15/12** ( 2006.01 )  
**A61K 39/002** ( 2006.01 )

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**G01N 35/08** ( 2006.01 )  
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 and methods of uses thereof  
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**C07K 2/00** ( 2006.01 )  
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**B60T 7/12** ( 2006.01 )  
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**(54)** Controlled-release and stratified cyclo-  
 dextrin inclusion complex vehicles

**(51)** Int. Cl.  
**A61K 31/724** ( 2006.01 )  
**A61K 47/40** ( 2006.01 )  
**C12N 9/26** ( 2006.01 )  
**(43)** 03.03.2022  
**(44)** 20.06.2024  
**(62)** 2017214669  
**(72)** CZAP, AI  
**(74)** FB Rice Pty Ltd

**DAIICHI SANKYO COMPANY, LIMITED see**  
**ASTRAZENECA UK LIMITED**  
**(21)** 2021340002

**(71)** Daikin Industries, Ltd.  
**(11)** AU-B-2018391186  
**(21)** 2018391186 **(22)** 18.12.2018  
**(54)** Air conditioner  
**(51)** Int. Cl.  
**F25B 1/00** ( 2006.01 )  
**C09K 5/04** ( 2006.01 )  
**F24F 11/88** ( 2018.01 )  
**(87)** WO2019/124395  
**(31)** PCT/ **(32)** 17.10.18 **(33)** JP  
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**(44)** 20.06.2024  
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 KARUBE, Daisuke; YOTSUMOTO,  
 Yuuki; TAKAHASHI, Kazuhiro; KO-  
 MATSU, Yuzo; OHKUBO, Shun;  
 TAKAKUWA, Tatsuya; TSUDA, Tetsushi  
**(74)** Spruson & Ferguson

**Dalian Institute of Chemical Physics China**  
**Academy of Science see Petroliaam Nas-**  
**ional Berhad (Petronas)**  
**(21)** 2018420564

**(71)** Dana-Farber Cancer Institute, Inc.  
**(11)** AU-B-2019294836  
**(21)** 2019294836 **(22)** 27.06.2019  
**(54)** Bispecific degraders  
**(51)** Int. Cl.  
**C07D 495/14** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
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**(31)** 62/692,197 **(32)** 29.06.18 **(33)** US  
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**(44)** 20.06.2024  
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 FISCHER, Eric; VERANO, Alyssa; HE,  
 Zhixiang; DU, Guangyan; DONOVAN,

Katherine; NOWAK, Radoslaw; YUAN,  
 Jing Ting Christine  
**(74)** Spruson & Ferguson

**(71)** Dana-Farber Cancer Institute, Inc.  
**(11)** AU-B-2021282411  
**(21)** 2021282411 **(22)** 07.12.2021  
**(54)** Microfluidic cell culture of patient-de-  
 rived tumor cell spheroids  
**(51)** Int. Cl.  
**C12M 3/00** ( 2006.01 )  
**C12N 5/09** ( 2010.01 )  
**(43)** 23.12.2021  
**(44)** 20.06.2024  
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**(72)** Barbie, David; Aref, Amir; Barbie,  
 Thanh; Jenkins, Russell W.; Wong,  
 Kwok-kin  
**(74)** Spruson & Ferguson

**(71)** Datamars SA  
**(11)** AU-B-2018432365  
**(21)** 2018432365 **(22)** 19.07.2018  
**(54)** System for sampling tissue  
**(51)** Int. Cl.  
**A01K 11/00** ( 2006.01 )  
**(87)** WO2020/015832  
**(43)** 23.01.2020  
**(44)** 20.06.2024  
**(72)** IORI, Marco; BONGIORNO, Aless-  
 andro; PACHOUD, Damien  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Defendtex Pty Ltd  
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**(54)** UNMANNED AERIAL VEHICLE  
**(51)** Int. Cl.  
**B64C 39/02** ( 2006.01 )  
**(43)** 28.03.2019  
**(44)** 20.06.2024  
**(72)** Reddy, Travis; Cahill, Damien  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Dental Robotics Group B.V.  
**(11)** AU-B-2019305433  
**(21)** 2019305433 **(22)** 16.07.2019  
**(54)** Method of manufacturing a recess wall  
 lined with bristles for a mouthpiece for  
 simultaneously brushing at a plurality of  
 dental positions, and a recess wall and  
 mouthpiece obtained with the method;  
 and dental cleaning device; and mouth-  
 piece for brushing at a plurality of den-  
 tal positions, brushing device comprising  
 such mouthpiece, and method of oper-  
 ating such a mouthpiece or brushing  
 device  
**(51)** Int. Cl.  
**A61C 17/22** ( 2006.01 )  
**A46B 9/04** ( 2006.01 )  
**A46D 3/00** ( 2006.01 )  
**A46D 3/04** ( 2006.01 )  
**A61C 17/32** ( 2006.01 )

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**(31)** 2021332 **(32)** 17.07.18 **(33)** NL  
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**(43)** 23.01.2020  
**(44)** 20.06.2024  
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**(74)** Spruson & Ferguson

**(71)** Dignity Health  
**(11)** AU-B-2019306571  
**(21)** 2019306571 **(22)** 17.07.2019  
**(54)** Systems and methods for treatment of cancer using alternating electric field generation  
**(51)** Int. Cl.  
**A61N 1/05** ( 2006.01 )  
**A61N 1/32** ( 2006.01 )  
**A61N 1/372** ( 2006.01 )  
**(87)** WO2020/018662  
**(31)** 62/699,146 **(32)** 17.07.18 **(33)** US  
**(43)** 23.01.2020  
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**(74)** RnB IP Pty Ltd

**Dow Global Technologies LLC see Rohm and Haas Company**  
**(21)** 2019261324

**Dow Silicones Corporation see Rohm and Haas Company**  
**(21)** 2019261324

**(71)** DQ Holdings, LLC  
**(11)** AU-B-2020261363  
**(21)** 2020261363 **(22)** 22.04.2020  
**(54)** Skin closure devices  
**(51)** Int. Cl.  
**A61B 17/03** ( 2006.01 )  
**A61B 17/04** ( 2006.01 )  
**A61B 17/06** ( 2006.01 )  
**A61B 17/068** ( 2006.01 )  
**A61B 17/08** ( 2006.01 )  
**A61B 17/10** ( 2006.01 )  
**(87)** WO2020/219575  
**(31)** 62/838,623 **(32)** 25.04.19 **(33)** US  
 16/814,681 10.03.20 US  
**(43)** 29.10.2020  
**(44)** 20.06.2024  
**(72)** DARLING IV, Charles M.; STOCKTON, J. Rick; FONFARA, Catherine M.; DARLING V, Charles M.; DARLING, Christopher B.  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

**(71)** DX Tech Pty Ltd  
**(11)** AU-B-2021215990  
**(21)** 2021215990 **(22)** 05.02.2021  
**(54)** Methods and systems for detection, location and characterization of signal sources in electrical infrastructure using distributed sensors  
**(51)** Int. Cl.  
**G01R 31/08** ( 2020.01 )  
**(87)** WO2021/156821  
**(31)** 62/971,296 **(32)** 07.02.20 **(33)** US

**(43)** 12.08.2021  
**(44)** 20.06.2024  
**(72)** WONG, Khoi Loon; MARXSEN, Anthony; LIANG, Mu  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** E2 IP Holding LLC  
**(11)** AU-B-2021300164  
**(21)** 2021300164 **(22)** 29.06.2021  
**(54)** Providing rapid threshold amount of power to customer load during transfer between primary and secondary power supplies  
**(51)** Int. Cl.  
**H02J 9/06** ( 2006.01 )  
**H01R 25/00** ( 2006.01 )  
**H02J 3/14** ( 2006.01 )  
**(87)** WO2022/006172  
**(31)** 63/060,740 **(32)** 04.08.20 **(33)** US  
 63/045,535 29.06.20 US  
**(43)** 06.01.2022  
**(44)** 20.06.2024  
**(72)** RICHMOND, James; GALL, Scott; RICHMOND, Timothy  
**(74)** KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD

**(71)** Eagle Pharmaceuticals, Inc  
**(11)** AU-B-2018366212  
**(21)** 2018366212 **(22)** 08.11.2018  
**(54)** Fulvestrant formulations and methods of their use  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 9/10** ( 2006.01 )  
**A61K 31/565** ( 2006.01 )  
**A61K 47/26** ( 2006.01 )  
**(87)** WO2019/094650  
**(31)** 62/583,403 **(32)** 08.11.17 **(33)** US  
**(43)** 16.05.2019  
**(44)** 20.06.2024  
**(72)** CHEN, Feng-Jing; KRILL, Steven L.; SHMEIS, Rama Abu; HEPNER, Adrian; WESCOTT, Charles; JASKOWSKI, Tara; JOYCE, Michael  
**(74)** Allens Patent & Trade Mark Attorneys

**(71)** Eaton Intelligent Power Limited  
**(11)** AU-B-2021330108  
**(21)** 2021330108 **(22)** 16.08.2021  
**(54)** Surge arrester for fire mitigation  
**(51)** Int. Cl.  
**H01C 1/032** ( 2006.01 )  
**H01C 7/102** ( 2006.01 )  
**H01C 7/12** ( 2006.01 )  
**H01C 1/028** ( 2006.01 )  
**(87)** WO2022/042880  
**(31)** 63/069,989 **(32)** 25.08.20 **(33)** US  
**(43)** 03.03.2022  
**(44)** 20.06.2024  
**(72)** RAMARGE, Michael Mahlon; SMITH, Timothy Stephen  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Elica S.p.A  
**(11)** AU-B-2019254783  
**(21)** 2019254783 **(22)** 27.03.2019

**(54)** A cooktop with extractor hood  
**(51)** Int. Cl.  
**F24C 15/10** ( 2006.01 )  
**F24C 15/20** ( 2006.01 )  
**(87)** WO2019/202423  
**(31)** 102018000004577 **(32)** 16.04.18 **(33)** IT  
**(43)** 24.10.2019  
**(44)** 20.06.2024  
**(72)** BARIVIERA, Diego; CRISA', Fabrizio  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Eli Lilly and Company  
**(11)** AU-B-2020229800  
**(21)** 2020229800 **(22)** 20.02.2020  
**(54)** Medication delivery device with sensing system  
**(51)** Int. Cl.  
**A61M 5/315** ( 2006.01 )  
**(87)** WO2020/176319  
**(31)** 62/811,228 **(32)** 27.02.19 **(33)** US  
 62/946,628 11.12.19 US  
**(43)** 03.09.2020  
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**(74)** Davies Collison Cave Pty Ltd

**(71)** Eli Lilly and Company  
**(11)** AU-B-2022203071  
**(21)** 2022203071 **(22)** 06.05.2022  
**(54)** Amino pyrimidine SSAO inhibitors  
**(51)** Int. Cl.  
**C07D 239/48** ( 2006.01 )  
**A61K 31/505** ( 2006.01 )  
**A61P 1/14** ( 2006.01 )  
**(43)** 26.05.2022  
**(44)** 20.06.2024  
**(62)** 2017309199  
**(72)** Coates, David Andrew; Qin, Luo Heng; Wei, Yi; Zhou, Jingye  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** ELI LILLY AND COMPANY  
**(11)** AU-B-2022228541  
**(21)** 2022228541 **(22)** 02.03.2022  
**(54)** LONG-ACTING AMYLIN RECEPTOR AGONISTS AND USES THEREOF  
**(51)** Int. Cl.  
**C07K 14/605** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
**A61K 38/22** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
**(87)** WO2022/187305  
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**(43)** 09.09.2022  
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**(72)** ABRAHAM, Milata Mary; BRIERE, Daniel Anthony; GUO, Lili; KEYSER, Samantha Grace Lyons; LEE, John; QU, Hongchang  
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- (51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 35/14** ( 2006.01 )  
**A61K 35/28** ( 2006.01 )  
**A61K 38/16** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
**A61K 38/22** ( 2006.01 )  
**A61K 38/54** ( 2006.01 )  
**A61K 39/12** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )
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- (31) 62/319,957 (32) 08.04.16 (33) US
- (43) 12.10.2017
- (44) 20.06.2024
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- (74) Spruson & Ferguson
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- (71) Emory University
- (11) AU-B-2019231725
- (21) 2019231725 (22) 07.03.2019
- (54) 4'-halogen containing nucleotide and nucleoside therapeutic compositions and uses related thereto
- (51) Int. Cl.  
**C07D 307/12** ( 2006.01 )  
**A61K 31/505** ( 2006.01 )  
**C07D 239/10** ( 2006.01 )  
**C07D 405/04** ( 2006.01 )
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- (31) 62/639,725 (32) 07.03.18 (33) US
- (43) 12.09.2019
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- (72) PAINTER, George R.; PERRYMAN, David; BLUEMLING, Gregory R.
- (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
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- (71) Epiroc Rock Drills Aktiebolag
- (11) AU-B-2019276638
- (21) 2019276638 (22) 27.05.2019
- (54) Rock bolting rig and method at rock bolting rig
- (51) Int. Cl.  
**E21D 20/00** ( 2006.01 )
- (87) WO2019/231383
- (31) 1850636-0 (32) 28.05.18 (33) SE
- (43) 05.12.2019
- (44) 20.06.2024
- (72) EKEFALK, Martin; OLSSON, Jan; LARSSON, Björn Anders; DEUTSCH, René; GUSTAVSSON, Hans
- (74) WRAYS PTY LTD
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- (71) Ethicon, Inc.
- (11) AU-B-2019293360
- (21) 2019293360 (22) 19.06.2019
- (54) Readily absorbable copolymer compositions for high strength sutures having enhanced strength retention post-implantation
- (51) Int. Cl.  
**B29C 51/00** ( 2006.01 )
- (87) WO2020/003064
- (31) 16/021,322 (32) 28.06.18 (33) US
- (43) 02.01.2020
- (44) 20.06.2024
- (72) JAMIOLKOWSKI, Dennis D.; DEFELICE, Christopher; ANDJELIC, Sasa; KELLY, Brian M.; WISNUDEL, Marc; STEIGER, Daniel; CHEN, Gaoyuan Gavin
- (74) Spruson & Ferguson
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- (71) Ethicon, Inc.
- (11) AU-B-2019315769
- (21) 2019315769 (22) 19.07.2019
- (54) Skin closure devices with interrupted closure
- (51) Int. Cl.  
**A61B 17/08** ( 2006.01 )  
**A61F 13/02** ( 2006.01 )
- (87) WO2020/026063
- (31) 16/050,205 (32) 31.07.18 (33) US
- (43) 06.02.2020
- (44) 20.06.2024
- (72) QUINTERO, Julian; KRIKSUNOV, Leo B.; WOLFE, Elena
- (74) Spruson & Ferguson
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- (21) 2019294256
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- (71) Eurodia Industrie
- (11) AU-B-2021241885
- (21) 2021241885 (22) 25.03.2021
- (54) Process for demineralising a milk protein composition, milk protein composition obtainable by said process, and facility for implementing said process
- (51) Int. Cl.  
**A23C 9/144** ( 2006.01 )  
**A23C 21/00** ( 2006.01 )  
**A23C 9/152** ( 2006.01 )
- (87) WO2021/191377
- (31) FR2002936 (32) 25.03.20 (33) FR
- (43) 30.09.2021
- (44) 20.06.2024
- (72) GONIN, Anne; LUTIN, Florence
- (74) GLMR
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- (71) Exact Sciences Corporation; Mayo Foundation for Medical Education and Research
- (11) AU-B-2018211956
- (21) 2018211956 (22) 26.01.2018
- (54) Detection of colon neoplasia by analysis of methylated DNA
- (51) Int. Cl.  
**C12Q 1/68** ( 2018.01 )  
**G01N 33/48** ( 2006.01 )  
**G01N 33/50** ( 2006.01 )  
**G16C 10/00** ( 2019.01 )
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- (31) 62/451,327 (32) 27.01.17 (33) US
- (43) 02.08.2018
- (44) 62/622,107 25.01.18 US
- (72) F. Hoffmann-La Roche AG
- (74) Spruson & Ferguson
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- (71) F. Hoffmann-La Roche AG
- (11) AU-B-2022241561
- (21) 2022241561 (22) 29.09.2022
- (54) Dosage form compositions comprising an inhibitor of Bruton's tyrosine kinase
- (51) Int. Cl.  
**A61K 31/4985** ( 2006.01 )  
**A61K 9/14** ( 2006.01 )  
**A61K 9/20** ( 2006.01 )  
**A61K 47/12** ( 2006.01 )
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- (71) F. Hoffmann-La Roche AG
- (11) AU-B-2019236372
- (21) 2019236372 (22) 11.03.2019
- (54) Therapeutic combination of 4-1 BB agonists with anti-CD20 antibodies
- (51) Int. Cl.  
**C07K 14/705** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )
- (87) WO2019/175071
- (31) 18161435.5 (32) 13.03.18 (33) EP
- (43) 19.09.2019
- (44) 20.06.2024
- (72) FERRARA KOLLER, Claudia; KLEIN, Christian; SAM, Johannes; UMANA, Pablo; XU, Wei
- (74) Griffith Hack
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- (71) F. Hoffmann-La Roche AG
- (11) AU-B-2022202606
- (21) 2022202606 (22) 20.04.2022
- (54) Method for controlling operation of a medical device in a medical system and medical system
- (51) Int. Cl.  
**G16H 40/67** ( 2018.01 )  
**G06F 11/00** ( 2006.01 )
- (43) 12.05.2022
- (44) 20.06.2024
- (62) 2018367130
- (72) FRIEDLI, Kurt; MUELLER, Michael; DANCKWARDT, Nils
- (74) Spruson & Ferguson
- 
- (71) F. Hoffmann-La Roche AG
- (11) AU-B-2022241561
- (21) 2022241561 (22) 29.09.2022
- (54) Dosage form compositions comprising an inhibitor of Bruton's tyrosine kinase
- (51) Int. Cl.  
**A61K 31/4985** ( 2006.01 )  
**A61K 9/14** ( 2006.01 )  
**A61K 9/20** ( 2006.01 )  
**A61K 47/12** ( 2006.01 )

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**(62)** 2017227929  
**(72)** Mao, Chen; Kou, Dawen; Chiang, Po-Chang  
**(74)** Spruson & Ferguson
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- (71)** F. HOFFMANN-LA ROCHE AG; ETH Zuerich  
**(11)** AU-B-2019294256  
**(21)** 2019294256 **(22)** 25.06.2019  
**(54)** Novel pyridine and pyrazine compounds as inhibitors of cannabinoid receptor 2  
**(51)** Int. Cl.  
**C07D 401/04** ( 2006.01 )  
**A61K 31/4427** ( 2006.01 )  
**A61K 31/4439** ( 2006.01 )  
**A61P 7/02** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
**A61P 23/02** ( 2006.01 )  
**A61P 27/06** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**(87)** WO2020/002320  
**(31)** 18180137.4 **(32)** 27.06.18 **(33)** EP  
**(43)** 02.01.2020  
**(44)** 20.06.2024  
**(72)** GOBBI, Luca; GREThER, Uwe; KRETZ, Julian; AMETAMEY, Simon M.  
**(74)** Spruson & Ferguson
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- (71)** Ferring B.V.  
**(11)** AU-B-2019258677  
**(21)** 2019258677 **(22)** 25.04.2019  
**(54)** Topical pharmaceutical composition for treatment of anal fissures and hemorrhoids  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 9/06** ( 2006.01 )  
**A61K 31/167** ( 2006.01 )  
**A61K 31/4422** ( 2006.01 )  
**A61K 31/554** ( 2006.01 )  
**A61K 47/10** ( 2017.01 )  
**A61K 47/14** ( 2017.01 )  
**A61K 47/38** ( 2006.01 )  
**(87)** WO2019/207059  
**(31)** 1020180083244 **(32)** 25.04.18 **(33)** BR  
**(43)** 31.10.2019  
**(44)** 20.06.2024  
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**(74)** Spruson & Ferguson
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- (71)** FNV IP B.V.  
**(11)** AU-B-2018329399  
**(21)** 2018329399 **(22)** 05.09.2018

- (54)** System and method for determination of a spatial property of a submerged object in a 3D-space  
**(51)** Int. Cl.  
**G01B 21/04** ( 2006.01 )  
**G01B 11/00** ( 2006.01 )  
**G06T 7/70** ( 2017.01 )  
**(87)** WO2019/050396  
**(31)** 2019516 **(32)** 08.09.17 **(33)** NL  
**(43)** 14.03.2019  
**(44)** 20.06.2024  
**(72)** WIERDA, Stefan Mark; SCHIPPERS, Evert  
**(74)** Spruson & Ferguson
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- (71)** FORESCOUT TECHNOLOGIES, INC.  
**(11)** AU-B-2019232391  
**(21)** 2019232391 **(22)** 07.03.2019  
**(54)** Attribute-based policies for integrity monitoring and network intrusion detection  
**(51)** Int. Cl.  
**H04L 9/40** ( 2022.01 )  
**(87)** WO2019/172762  
**(31)** 2020635 **(32)** 20.03.18 **(33)** NL  
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 2020552 08.03.18 NL  
 2020633 20.03.18 NL  
 2020632 20.03.18 NL  
**(43)** 12.09.2019  
**(44)** 20.06.2024  
**(72)** COSTANTE, Elisa  
**(74)** Michael Buck IP
- 
- (71)** FormaTurf GmbH  
**(11)** AU-B-2021303487  
**(21)** 2021303487 **(22)** 08.07.2021  
**(54)** System and method for processing artificial turf  
**(51)** Int. Cl.  
**B29B 17/00** ( 2006.01 )  
**B29B 17/02** ( 2006.01 )  
**B29B 17/04** ( 2006.01 )  
**E04F 15/10** ( 2006.01 )  
**(87)** WO2022/008637  
**(31)** 20185342.1 **(32)** 10.07.20 **(33)** EP  
**(43)** 13.01.2022  
**(44)** 20.06.2024  
**(72)** BECK, Tom S.; SICK, Stephan  
**(74)** KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD
- 
- (71)** Foss Analytical A/S  
**(11)** AU-B-2019341671  
**(21)** 2019341671 **(22)** 07.08.2019  
**(54)** A sampling device, a system comprising the sampling device and a method  
**(51)** Int. Cl.  
**B01L 3/00** ( 2006.01 )  
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**(54)** SYSTEM AND METHOD FOR REMOTELY CONTROLLING A RUNNING TOOL  
**(51)** Int. Cl.  
**E21B 33/043** ( 2006.01 )  
**E21B 33/035** ( 2006.01 )  
**E21B 41/04** ( 2006.01 )  
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**(31)** 20211390 **(32)** 19.11.21 **(33)** NO  
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**(74)** Michael Buck IP
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**(54)** Audio quantizer and audio dequantizer and related methods  
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**G10L 19/038** ( 2013.01 )  
**G10L 19/002** ( 2013.01 )  
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**(31)** 20184555.9 **(32)** 07.07.20 **(33)** EP  
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**A61M 1/14** ( 2006.01 )  
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**(51)** Int. Cl.  
**B41J 11/00** ( 2006.01 )  
**G03G 15/20** ( 2006.01 )  
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 (54) ADENOSINE DERIVATIVE HAVING  
 ANTAGONISTIC ACTION ON A2A  
 AND A3 ADENOSINE RECEPTORS  
 AND METHOD FOR PREPARING  
 SAME  
 (51) Int. Cl.  
 C07H 19/16 ( 2006.01 )  
 A61K 31/7076 ( 2006.01 )  
 A61P 25/00 ( 2006.01 )  
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 (51) Int. Cl.  
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 A61K 31/475 ( 2006.01 )  
 A61K 31/537 ( 2006.01 )  
 A61K 38/07 ( 2006.01 )  
 A61K 45/00 ( 2006.01 )  
 A61K 47/65 ( 2017.01 )  
 A61K 47/68 ( 2017.01 )  
 A61P 35/00 ( 2006.01 )  
 A61P 37/02 ( 2006.01 )  
 C07D 491/22 ( 2006.01 )  
 C07K 5/103 ( 2006.01 )  
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 (74) Allens Patent & Trade Mark Attorneys

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 H02S 40/36 ( 2014.01 )  
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 A61K 47/54 ( 2017.01 )  
 B82Y 5/00 ( 2011.01 )  
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 device thereof  
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 H05K 7/20 ( 2006.01 )  
 F21V 31/00 ( 2006.01 )  
 G06F 1/20 ( 2006.01 )  
 H05K 5/06 ( 2006.01 )  
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 A61P 25/04 ( 2006.01 )  
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 Meiyu  
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 (21) 2023238513 (22) 28.04.2023  
 (54) INDIRECT HYDRAULIC LOAD HIER-  
 ARCHICAL CONTROL SYSTEM  
 AND METHOD FOR WAVE ENERGY  
 DEVICE  
 (51) Int. Cl.

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*F15B 11/16* ( 2006.01 )  
*F15B 13/06* ( 2006.01 )  
*F15B 20/00* ( 2006.01 )  
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**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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*C25B 1/00* ( 2006.01 )  
*C25B 1/04* ( 2006.01 )  
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**(51)** Int. Cl.  
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*F16L 15/00* ( 2006.01 )  
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**(54)** Magnetic drum separator with cam activated magnets

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*B03C 1/12* ( 2006.01 )  
*F16H 7/02* ( 2006.01 )  
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**(54)** Downhole network interface unit for monitoring and control  
**(51)** Int. Cl.  
*H04B 3/54* ( 2006.01 )  
*E21B 47/12* ( 2012.01 )  
*H04B 3/04* ( 2006.01 )  
*H04B 3/46* ( 2015.01 )  
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**(54)** LIGHT REFERENCE SYSTEM  
**(51)** Int. Cl.  
*E01B 27/12* ( 2006.01 )  
*E01B 35/00* ( 2006.01 )  
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**(72)** Petersen, Michael  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Havah Therapeutics Pty Ltd  
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**(51)** Int. Cl.  
*A61K 31/568* ( 2006.01 )  
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*A61K 31/5685* ( 2006.01 )  
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*A61P 35/00* ( 2006.01 )  
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*H02H 7/26* ( 2006.01 )  
*G01R 23/02* ( 2006.01 )  
*H02H 7/04* ( 2006.01 )  
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**(74)** Argon IP Advisory Pty Ltd

**(71)** Henkel AG & Co. KGaA  
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**(51)** Int. Cl.  
*C11D 17/04* ( 2006.01 )  
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**(43)** 19.12.2019  
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**(71)** Holobiome, Inc.  
**(11)** AU-B-2017234120  
**(21)** 2017234120 **(22)** 13.03.2017  
**(54)** Modulation of the gut microbiome to treat mental disorders or diseases of the central nervous system  
**(51)** Int. Cl.  
*A61K 35/74* ( 2006.01 )  
*A61K 35/742* ( 2015.01 )  
*A61K 35/745* ( 2015.01 )  
*A61P 25/00* ( 2006.01 )  
*A61P 25/18* ( 2006.01 )  
*A61P 25/22* ( 2006.01 )  
*A61P 25/24* ( 2006.01 )  
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**(71)** HONEYWELL INTERNATIONAL INC.  
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**(54)** APPARATUSES, COMPUTER PROGRAM PRODUCTS, AND COMPUTER-IMPLEMENTED METHODS FOR HARDWARE-ACCELERATED VIDEO STREAM SYNTHESIZING  
**(51)** Int. Cl.  
*H04N 21/236* ( 2011.01 )  
*H04N 7/08* ( 2006.01 )  
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(72) NICASTRI, James; FLANNERY, Mark  
(74) FPA Patent Attorneys Pty Ltd

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B60T 8/32 ( 2006.01 )  
B60T 7/20 ( 2006.01 )  
B60T 17/18 ( 2006.01 )  
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(51) Int. Cl.  
A61F 2/40 ( 2006.01 )  
A61B 17/15 ( 2006.01 )  
A61B 17/16 ( 2006.01 )  
A61F 2/30 ( 2006.01 )  
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(74) FPA Patent Attorneys Pty Ltd

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(54) Optical waveguide for a magneto-optical current sensor  
(51) Int. Cl.  
G02B 6/24 ( 2006.01 )  
G01R 15/24 ( 2006.01 )  
G01R 33/032 ( 2006.01 )  
G02B 6/024 ( 2006.01 )  
G02B 6/255 ( 2006.01 )  
G02B 6/26 ( 2006.01 )  
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(72) JUDENDORFER, Thomas;  
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(51) Int. Cl.  
A61K 8/97 ( 2017.01 )  
A61K 8/36 ( 2006.01 )  
A61K 8/9783 ( 2017.01 )  
A61K 8/9789 ( 2017.01 )  
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A61Q 17/00 ( 2006.01 )  
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(74) ALDRICH PROJECTS PTY LTD

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(54) Channel measurement method and apparatus  
(51) Int. Cl.  
H04B 17/309 ( 2015.01 )  
H04W 72/04 ( 2009.01 )  
(87) WO2021/244427  
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(72) FAN, Bo  
(74) PHILLIPS ORMONDE FITZPATRICK

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(54) PRESS TOOL AND METHOD FOR PRODUCING A PRESS PLATE  
(51) Int. Cl.  
B30B 15/06 ( 2006.01 )  
B30B 3/00 ( 2006.01 )  
B44B 5/02 ( 2006.01 )  
C23C 14/06 ( 2006.01 )  
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(51) Int. Cl.  
H04N 19/70 ( 2014.01 )  
H04N 19/119 ( 2014.01 )  
H04N 19/174 ( 2014.01 )  
H04N 19/186 ( 2014.01 )  
H04N 19/30 ( 2014.01 )  
H04N 19/593 ( 2014.01 )  
H04N 19/96 ( 2014.01 )  
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SON, Juhyung; KWAK, Jinsam  
(74) AJ PARK

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(54) Autografting tool with enhanced flute profile and methods of use  
(51) Int. Cl.  
A61B 17/16 ( 2006.01 )  
A61C 3/02 ( 2006.01 )  
B23B 51/02 ( 2006.01 )  
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(72) HUWAIS, Salah  
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Hwang, N. see Choi, W.  
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(54) Platform for hygiene behavioral monitoring and modification  
(51) Int. Cl.  
G16H 10/00 ( 2018.01 )  
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**C07D 217/24** ( 2006.01 )  
**A61K 31/4184** ( 2006.01 )  
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**A61P 25/28** ( 2006.01 )  
**C07D 235/26** ( 2006.01 )  
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**B60W 30/18** ( 2012.01 )  
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**B60W 60/00** ( 2020.01 )  
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 (51) Int. Cl.

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**A61K 31/4709** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
**C07D 215/46** ( 2006.01 )  
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**C07D 495/14** ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd

(71) Lamb Weston, Inc.  
 (11) AU-B-2022204416  
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 (54) FILAMENT BRACING AND MANIPU-  
 LATING APPARATUS, SYSTEMS, AND  
 METHODS  
 (51) Int. Cl.  
**A46B 17/06** ( 2006.01 )  
**B44D 3/00** ( 2006.01 )  
**B44D 3/16** ( 2006.01 )  
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D06F 33/34 ( 2020.01 )  
D06F 37/30 ( 2020.01 )  
D06F 39/02 ( 2006.01 )  
D06F 39/04 ( 2006.01 )  
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A47L 11/40 ( 2006.01 )  
A47L 9/28 ( 2006.01 )  
B25J 11/00 ( 2006.01 )  
B25J 13/06 ( 2006.01 )  
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*F02C 7/042* ( 2006.01 )  
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*C07K 14/55* ( 2006.01 )  
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*C08G 63/00* ( 2006.01 )  
*C08L 67/04* ( 2006.01 )  
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 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

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*A01H 1/04* ( 2006.01 )  
*A01H 5/02* ( 2018.01 )  
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*B01D 11/00* ( 2006.01 )  
*C12N 15/05* ( 2006.01 )  
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 (54) WINDING IRON CORE, METHOD FOR MANUFACTURING WINDING IRON CORE, AND WINDING IRON CORE MANUFACTURING APPARATUS  
 (51) Int. Cl.  
*H01F 27/245* ( 2006.01 )  
*H01F 41/02* ( 2006.01 )  
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 (54) CARBON MATERIAL AND PRODUCTION METHOD THEREFOR

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**C10B 53/02** ( 2006.01 )  
**C10L 5/44** ( 2006.01 )  
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**A23K 40/30** ( 2016.01 )  
**A23K 10/22** ( 2016.01 )  
**A23K 20/147** ( 2016.01 )  
**A23K 20/163** ( 2016.01 )  
**A23K 50/80** ( 2016.01 )  
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 (51) Int. Cl.  
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 (74) Phillips Ormonde Fitzpatrick

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**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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 (51) Int. Cl.  
**A61K 38/17** ( 2006.01 )  
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**A61P 21/00** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
**C12N 15/85** ( 2006.01 )  
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 (74) WRAYS PTY LTD

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 (51) Int. Cl.  
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**A61M 16/00** ( 2006.01 )  
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 (72) GOBBI, Alessandro; POMPILIO, Pasquale Pio; DELLACA, Raffaele  
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*A01H 1/04* ( 2006.01 )  
*A01H 5/08* ( 2018.01 )  
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*A01N 25/34* ( 2006.01 )  
*A01G 25/02* ( 2006.01 )  
*A01G 25/06* ( 2006.01 )  
*A01N 53/00* ( 2006.01 )  
*B05B 1/20* ( 2006.01 )  
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 (21) 2021290290 (22) 22.12.2021  
 (54) RIB MOUNTING DEVICE WITH PIVOTING INSERT  
 (51) Int. Cl.  
*E04D 13/10* ( 2006.01 )  
*F24S 20/70* ( 2018.01 )  
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 (44) 20.06.2024  
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 (74) Phillips Ormonde Fitzpatrick

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 (21) 2021291797 (22) 11.06.2021  
 (54) Control device, vehicle, and control method  
 (51) Int. Cl.

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*F16F 1/00* ( 2006.01 )  
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 (31) 2020-105377 (32) 18.06.20 (33) JP  
 (43) 23.12.2021  
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 (11) AU-B-2019261324  
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 (54) Rheological modifiers for spray drift control in agrochemical emulsions  
 (51) Int. Cl.  
*A01N 25/04* ( 2006.01 )  
*A01N 25/06* ( 2006.01 )  
*A01N 25/08* ( 2006.01 )  
*A01N 25/10* ( 2006.01 )  
*A01N 25/30* ( 2006.01 )  
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 (74) Phillips Ormonde Fitzpatrick

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 (11) AU-B-2023202253  
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 (54) Method and apparatus for transmitting and receiving reference signal in wireless communication system  
 (51) Int. Cl.  
*H04L 5/00* ( 2006.01 )  
 (43) 04.05.2023  
 (44) 20.06.2024  
 (62) 2018367796  
 (72) SHIN, Cheolkyu; YEO, Jeongho; KWAK, Youngwoo; NOH, Hoondong; YOO, Hyunil  
 (74) Griffith Hack

(71) San Diego State University (SDSU) Foundation, DBA San Diego State University Research Foundation  
 (11) AU-B-2018324019  
 (21) 2018324019 (22) 29.08.2018  
 (54) Compositions and methods using methanotrophic S-layer proteins for expression of heterologous proteins  
 (51) Int. Cl.  
*C12N 1/20* ( 2006.01 )  
*C12N 15/62* ( 2006.01 )  
*C12N 15/74* ( 2006.01 )  
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 (51) Int. Cl.  
*A61P 35/00* ( 2006.01 )  
*C07K 16/08* ( 2006.01 )  
*C07K 16/24* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
*C07K 16/32* ( 2006.01 )  
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 (74) Griffith Hack

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 (11) AU-B-2022246476  
 (21) 2022246476 (22) 29.01.2022  
 (54) Protective member, track assembly and working machine  
 (51) Int. Cl.  
*B62D 55/08* ( 2006.01 )  
*B62D 55/26* ( 2006.01 )  
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 (74) Madderns Pty Ltd

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 (21) 2018273603 (22) 28.05.2018  
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 (51) Int. Cl.  
*C12N 5/00* ( 2006.01 )  
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 (31) 10 2017 005 048.1 (32) 26.05.17 (33) DE  
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 (74) Davies Collison Cave Pty Ltd

(71) Schlange Lock Company LLC  
 (11) AU-B-2022204895  
 (21) 2022204895 (22) 07.07.2022  
 (54) Variable spring rate chassis  
 (51) Int. Cl.  
*E05B 3/06* ( 2006.01 )

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**E05B 63/16** ( 2006.01 )  
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**(62)** 2020203429  
**(72)** HOLMAN, Michael; MURPHY, Nathanael S.; MALENKOVIC, Peter  
**(74)** Griffith Hack

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**(21)** 2017237186 **(22)** 24.03.2017  
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**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 47/50** ( 2017.01 )  
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**(31)** 62/313,460 **(32)** 25.03.16 **(33)** US  
**(43)** 28.09.2017  
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**(11)** AU-B-2019225845  
**(21)** 2019225845 **(22)** 20.02.2019  
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**(51)** Int. Cl.  
**C07K 5/02** ( 2006.01 )  
**A61K 47/64** ( 2017.01 )  
**A61K 47/68** ( 2017.01 )  
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**(31)** 62/633,059 **(32)** 20.02.18 **(33)** US  
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**(11)** AU-B-2019236661  
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**(54)** Pillar lantern ring for a shaft sealing system  
**(51)** Int. Cl.  
**F16J 15/18** ( 2006.01 )  
**(31)** 16/144,329 **(32)** 27.09.18 **(33)** US  
**(43)** 16.04.2020  
**(44)** 20.06.2024  
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**(74)** AJ PARK

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**(11)** AU-B-2019331260  
**(21)** 2019331260 **(22)** 28.08.2019  
**(54)** Simulation system  
**(51)** Int. Cl.  
**G06F 30/10** ( 2020.01 )  
**G06F 30/13** ( 2020.01 )  
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**(31)** 2018-162571 **(32)** 31.08.18 **(33)** JP

**(43)** 05.03.2020  
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**(11)** AU-B-2019334447  
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**(51)** Int. Cl.  
**F21V 23/00** ( 2015.01 )  
**(87)** WO2020/049030  
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**(74)** Griffith Hack

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**(11)** AU-B-2021345623  
**(21)** 2021345623 **(22)** 08.01.2021  
**(54)** OBJECT CARRYING ASSEMBLY AND TRANSFER ROBOT  
**(51)** Int. Cl.  
**B65D 61/00** ( 2006.01 )  
**(87)** WO2022/057169  
**(31)** 202022086578.7 **(32)** 21.09.20 **(33)** CN  
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**(43)** 24.03.2022  
**(44)** 20.06.2024  
**(72)** ZOU, Yangwei; PAN, Sheng; WANG, Xinhao; HE, Yundi; YANG, Wei  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** SHENYANG HAIER REFRIGERATOR CO., LTD.; QINGDAO HAIER REFRIGERATOR CO., LTD.; HAIER SMART HOME CO., LTD.  
**(11)** AU-B-2021345714  
**(21)** 2021345714 **(22)** 31.08.2021  
**(54)** REFRIGERATOR  
**(51)** Int. Cl.  
**F25D 11/02** ( 2006.01 )  
**(87)** WO2022/057616  
**(31)** 202010968834.7 **(32)** 15.09.20 **(33)** CN  
**(43)** 24.03.2022  
**(44)** 20.06.2024  
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**(74)** Madderns Pty Ltd

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**(11)** AU-B-2022279527  
**(21)** 2022279527 **(22)** 01.12.2022  
**(54)** Control method of AC multi-channel dimmer  
**(51)** Int. Cl.  
**H05B 39/04** ( 2006.01 )  
**H05B 45/10** ( 2020.01 )  
**H05B 45/3577** ( 2020.01 )

**H05B 47/10** ( 2020.01 )  
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**(72)** HUANG, Zhican; LIU, Xiaohong; HUANG, Yuqi  
**(74)** Shenzhen Shyugj Technology Co., Ltd.

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**(11)** AU-B-2019315428  
**(21)** 2019315428 **(22)** 30.07.2019  
**(54)** Open electric pump  
**(51)** Int. Cl.  
**A61M 60/00** ( 2021.01 )  
**F04D 13/06** ( 2006.01 )  
**F04D 29/18** ( 2006.01 )  
**(87)** WO2020/028380  
**(31)** 62/711,856 **(32)** 30.07.18 **(33)** US  
**(43)** 06.02.2020  
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**(72)** SIEGENTHALER, Michael  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

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**(11)** AU-B-2018250169  
**(21)** 2018250169 **(22)** 03.04.2018  
**(54)** A transkingdom platform for therapeutic nucleic acid delivery  
**(51)** Int. Cl.  
**C12N 15/113** ( 2010.01 )  
**A61K 48/00** ( 2006.01 )  
**C12N 15/70** ( 2006.01 )  
**(87)** WO2018/187381  
**(31)** 62/480,875 **(32)** 03.04.17 **(33)** US  
**(43)** 11.10.2018  
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**(72)** Linke, Lyndsey M.; Mora, Darcy  
**(74)** FB Rice Pty Ltd

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**(71)** SK Biopharmaceuticals Co., Ltd.  
**(11)** AU-B-2018367733  
**(21)** 2018367733 **(22)** 13.11.2018  
**(54)** Blend containing carbamate compound for prevention, mitigation, or treatment of schizophrenia  
**(51)** Int. Cl.  
**A61K 31/41** ( 2006.01 )  
**A61K 31/16** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
**(87)** WO2019/098634  
**(31)** 10-2017-0151253 **(32)** 14.11.17 **(33)** KR  
**(43)** 23.05.2019  
**(44)** 20.06.2024  
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**(11)** AU-B-2020307535  
**(21)** 2020307535 **(22)** 23.06.2020  
**(54)** Distal radioulnar joint prosthesis system and method of use  
**(51)** Int. Cl.  
**A61B 17/86** ( 2006.01 )  
**A61F 2/30** ( 2006.01 )  
**A61F 2/38** ( 2006.01 )

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**A61F 2/46** ( 2006.01 )  
**A61L 27/00** ( 2006.01 )  
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**(43)** 30.12.2020  
**(44)** 20.06.2024  
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 TREMOLS, Edward  
**(74)** Griffith Hack

**(71)** Skylab Networks Pte. Ltd.  
**(11)** AU-B-2019261208  
**(21)** 2019261208 (22) 24.04.2019  
**(54)** System and method for accelerating  
 data delivery  
**(51)** Int. Cl.  
**H04W 80/06** ( 2009.01 )  
**(87)** WO2019/209181  
**(31)** 10201803436Y (32) 24.04.18 (33) SG  
**(43)** 31.10.2019  
**(44)** 20.06.2024  
**(72)** KIM, Kyung Wan  
**(74)** FB Rice Pty Ltd

**(71)** Smart Wires Inc.  
**(11)** AU-B-2019206099  
**(21)** 2019206099 (22) 18.07.2019  
**(54)** Early detection of faults in power trans-  
 mission lines  
**(51)** Int. Cl.  
**H02J 3/06** ( 2006.01 )  
**(31)** 62/702,223 (32) 23.07.18 (33) US  
 16/118,219 30.08.18 US  
**(43)** 06.02.2020  
**(44)** 20.06.2024  
**(72)** Inam, Haroon; Khalilinia, Hamed  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Smith & Nephew plc  
**(11)** AU-B-2018300759  
**(21)** 2018300759 (22) 12.07.2018  
**(54)** Antimicrobial or wound care materials,  
 devices and uses  
**(51)** Int. Cl.  
**A61L 15/42** ( 2006.01 )  
**A61L 15/60** ( 2006.01 )  
**(87)** WO2019/012069  
**(31)** 1711183.2 (32) 12.07.17 (33) GB  
**(43)** 17.01.2019  
**(44)** 20.06.2024  
**(72)** Brewster, Amy; Crump, Robert; Le-  
 comte, Helene Anne; Stephenson, Dav-  
 id; Wray, Matthew  
**(74)** Griffith Hack

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**(11)** AU-B-2022201830  
**(21)** 2022201830 (22) 16.03.2022  
**(54)** Reduced pressure apparatus and meth-  
 ods  
**(51)** Int. Cl.  
**A61M 1/00** ( 2006.01 )  
**(43)** 07.04.2022

**(44)** 20.06.2024  
**(62)** 2019284049  
**(72)** ASKEM, Ben Alan; BINDER, Ian;  
 COLLINSON, Sarah Jenny; COW-  
 AN-HUGHES, John; FRYER, Chris-  
 topher John; MOY, Tom; MULLEN,  
 Paul; NICOLINI, Derek; PRYOR, Neil;  
 WALSH, Philip  
**(74)** Griffith Hack

**(71)** Snap-on Incorporated  
**(11)** AU-B-2023201155  
**(21)** 2023201155 (22) 27.02.2023  
**(54)** METHOD AND SYSTEM OF USING  
 USB USER INTERFACE IN ELEC-  
 TRONIC TORQUE WRENCH  
**(51)** Int. Cl.  
**B25B 23/142** ( 2006.01 )  
**(43)** 30.03.2023  
**(44)** 20.06.2024  
**(62)** 2021200856  
**(72)** LI, Jie; KING, Jerry A.; WU, Tingwen;  
 LEE, Nathan J.  
**(74)** Griffith Hack

**(71)** Societe des Produits Nestle S.A.  
**(11)** AU-B-2018344328  
**(21)** 2018344328 (22) 24.09.2018  
**(54)** Method for producing roast coffee  
 beans  
**(51)** Int. Cl.  
**A23F 5/02** ( 2006.01 )  
**A23F 5/04** ( 2006.01 )  
**A23F 5/06** ( 2006.01 )  
**A23F 5/24** ( 2006.01 )  
**(87)** WO2019/068497  
**(31)** 17194683.3 (32) 04.10.17 (33) EP  
**(43)** 11.04.2019  
**(44)** 20.06.2024  
**(72)** MOCCAND, Cyril; PALZER, Stefan;  
 BEL-RHLID, Rachid; REH, Christoph  
 Thomas; SAUVAGEAT, Jean-Luc; SY-  
 BESMA, Wilbert  
**(74)** Spruson & Ferguson

**(71)** Southern Methodist University; Retina  
 Foundation of The Southwest  
**(11)** AU-B-2019319298  
**(21)** 2019319298 (22) 12.08.2019  
**(54)** Image analysis using machine learning  
 and human computation  
**(51)** Int. Cl.  
**G06N 20/00** ( 2019.01 )  
**(87)** WO2020/033975  
**(31)** 62/717,681 (32) 10.08.18 (33) US  
 16/538,662 12.08.19 US  
**(43)** 13.02.2020  
**(44)** 20.06.2024  
**(72)** CLARK, Corey; CSAKY, Karl  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Spitzley, J.  
**(11)** AU-B-2018328193  
**(21)** 2018328193 (22) 05.09.2018  
**(54)** Commercial French press coffee brew-  
 ing and dispensing system  
**(51)** Int. Cl.

**A47J 31/06** ( 2006.01 )  
**A23F 5/26** ( 2006.01 )  
**A47J 31/18** ( 2006.01 )  
**A47J 31/20** ( 2006.01 )  
**B01D 33/01** ( 2006.01 )  
**(87)** WO2019/050941  
**(31)** 62/554,241 (32) 05.09.17 (33) US  
**(43)** 14.03.2019  
**(44)** 20.06.2024  
**(72)** SPITZLEY, Julie K.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** STATE GRID CORPORATION OF  
 CHINA; STATE GRID SMART GRID  
 RESEARCH INSTITUTE CO., LTD.  
**(11)** AU-B-2022268459  
**(21)** 2022268459 (22) 28.04.2022  
**(54)** HIGH-VOLTAGE BUSHING AND  
 HIGH-VOLTAGE POWER TRANSMIS-  
 SION SYSTEM  
**(51)** Int. Cl.  
**H05K 7/20** ( 2006.01 )  
**(87)** WO2022/233261  
**(31)** 202110497336.3 (32) 07.05.21 (33) CN  
**(43)** 10.11.2022  
**(44)** 20.06.2024  
**(72)** LIU, Shan; LIU, Zehong; WANG, Sh-  
 aowu; GUO, Xianshan; HUANG, Yong;  
 ZHANG, Jin; SONG, Shengli; LI, Jin-  
 zhong; LU, Licheng; LI, Yunpeng;  
 ZHOU, Jianhui; WANG, Hang; JIANG,  
 Zhe; HOU, Junyi  
**(74)** Michael Buck IP

**STATE GRID SMART GRID RESEARCH IN-  
 STITUTE CO., LTD. see STATE GRID COR-  
 PORATION OF CHINA**  
**(21)** 2022268459

**(71)** STRYKER AUSTRALIA PTY LTD  
**(11)** AU-B-2024203340  
**(21)** 2024203340 (22) 20.05.2024  
**(54)** SYSTEMS FOR ASSISTING SUR-  
 GERY  
**(51)** Int. Cl.  
**A61B 34/20** ( 2016.01 )  
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G06Q 20/32 ( 2012.01 )  
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**G06V 20/52** ( 2022.01 )  
**G06V 10/46** ( 2022.01 )  
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<b>2017204788</b>	Illinois Tool Works Inc.	<b>2018345400</b>	The United States of America, as represented by the Secretary, Department of Health and Human Services
<b>2017228525</b>	Defendtex Pty Ltd	<b>2018350295</b>	Haldor Topsøe A/S
<b>2017234120</b>	Holobiome, Inc.	<b>2018350994</b>	Curt Manufacturing, LLC
<b>2017237186</b>	Seagen Inc.	<b>2018352026</b>	Autnhive Corporation
<b>2017240238</b>	Alexion Pharmaceuticals, Inc.	<b>2018359336</b>	Nirsum Laboratories, Inc.
<b>2017241776</b>	Janssen Biotech, Inc.	<b>2018366082</b>	Polyplastic Group B.V.
<b>2017244143</b>	Intellia Therapeutics, Inc.	<b>2018366212</b>	Eagle Pharmaceuticals, Inc
<b>2017246289</b>	Emory University	<b>2018367304</b>	MAF Agrobotic
<b>2017248671</b>	Sanofi	<b>2018367733</b>	SK Biopharmaceuticals Co., Ltd.
<b>2017250790</b>	Research Institute at Nationwide Children's Hospital	<b>2018368466</b>	Amgen Inc.
<b>2017259198</b>	Liverpool School of Tropical Medicine	<b>2018371056</b>	UCB Biopharma SRL
<b>2017261374</b>	The Trustees of the University of Pennsylvania; The Wistar Institute of Anatomy and Biology; Inovio Pharmaceuticals, Inc.	<b>2018371771</b>	Assia Chemical Industries Ltd
<b>2017269115</b>	Qilu Puget Sound Biotherapeutics Corporation	<b>2018372233</b>	Juul Labs, Inc.
<b>2017276473</b>	Suzhou Connect Biopharmaceuticals, Ltd	<b>2018373428</b>	Casale SA
<b>2017304949</b>	Taipei Medical University	<b>2018378485</b>	Immedica Pharma AB
<b>2017305502</b>	REMD Biotherapeutics, Inc.	<b>2018379680</b>	MBDA UK Limited
<b>2017313085</b>	BEIGENE SWITZERLAND GMBH	<b>2018383677</b>	Calroy Health Sciences, LLC
<b>2017345759</b>	Adimab, LLC	<b>2018388665</b>	The Chamberlain Group LLC
<b>2017370920</b>	Horizon Global Americas Inc.	<b>2018388926</b>	Loctek Ergonomic Technology Corp.
<b>2017440681</b>	Prysmian S.p.A.	<b>2018389674</b>	Alcon Inc.
<b>2018203968</b>	Tuff Tonneau Wholesale Pty Ltd	<b>2018391186</b>	Daikin Industries, Ltd.
<b>2018204050</b>	MAX CO., LTD.	<b>2018403222</b>	Qiagen Sciences, LLC
<b>2018210684</b>	Cruz, F.	<b>2018411552</b>	UPL Ltd
<b>2018211956</b>	Exact Sciences Corporation; Mayo Foundation for Medical Education and Research	<b>2018413141</b>	Prysmian S.p.A.
<b>2018212854</b>	Children's Hospital Medical Center	<b>2018414498</b>	Kimberly-Clark Worldwide, Inc.
<b>2018221730</b>	2seventy bio, Inc.	<b>2018418342</b>	Fujitsu Frontech North America Inc.
<b>2018224318</b>	Translate Bio, Inc.	<b>2018420564</b>	Petroliam Nasional Berhad (Petronas); Dalian Institute of Chemical Physics China Academy of Science
<b>2018248961</b>	UTI Limited Partnership	<b>2018424294</b>	Prysmian S.p.A.
<b>2018250169</b>	SIVEC Biotechnologies, LLC	<b>2018432365</b>	Datamars SA
<b>2018258251</b>	University of Georgia Research Foundation, Inc.; Glycosensors and Diagnostics, LLC	<b>2018434915</b>	C.R. Bard, Inc.
<b>2018262499</b>	Precision Planting LLC	<b>2018435573</b>	Success World S.L.
<b>2018266377</b>	Illumina, Inc.	<b>2018444147</b>	Halliburton Energy Services, Inc.
<b>2018266414</b>	Polyplastic Groep B.V.	<b>2019202008</b>	Aeroklas Asia Pacific Group Pty Ltd
<b>2018269775</b>	WestRock Packaging Systems, LLC	<b>2019202524</b>	Linde Aktiengesellschaft
<b>2018273603</b>	Sartorius Xell GmbH	<b>2019202734</b>	ABUS August Bremicker Söhne KG
<b>2018275486</b>	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	<b>2019202837</b>	Caterpillar Inc
<b>2018275673</b>	Valmont Industries, Inc.	<b>2019203332</b>	Johnson & Johnson Consumer Inc.
<b>2018278185</b>	Katholieke Universiteit Leuven	<b>2019204930</b>	Tata Consultancy Services Limited
<b>2018278516</b>	Commonwealth Scientific and Industrial Research Organisation	<b>2019205906</b>	Block Energy LLC
<b>2018287317</b>	Medicenna Therapeutics Inc.	<b>2019206099</b>	Smart Wires Inc.
<b>2018290176</b>	Baggermaatschappij Boskalis B.V.	<b>2019208189</b>	PERI SE
<b>2018296544</b>	Attestis	<b>2019211505</b>	AeroVironment, Inc.
<b>2018300227</b>	Petróleo Brasileiro S.A. - Petrobras	<b>2019212127</b>	Qualcomm Incorporated
<b>2018300759</b>	Smith & Nephew plc	<b>2019217608</b>	Novozymes BioAg A/S
<b>2018304704</b>	Northrop Grumman Systems Corporation	<b>2019218393</b>	Campbell, J.; Gresati Hallit, C.; Black, F.
<b>2018304881</b>	MEDINCELL S.A.	<b>2019219081</b>	Ubeauty Global
<b>2018307479</b>	Intra-Cellular Therapies, Inc.	<b>2019221743</b>	The Secretary of State for Foreign & Commonwealth Affairs GCHQ
<b>2018308867</b>	Bayer Aktiengesellschaft	<b>2019223333</b>	AlzeCure Pharma AB
<b>2018313260</b>	The Children's Medical Center Corporation	<b>2019225845</b>	Seagen Inc.
<b>2018313313</b>	Garant GP	<b>2019231725</b>	Emory University
<b>2018315253</b>	Restech S.r.l.	<b>2019232391</b>	FORESCOUT TECHNOLOGIES, INC.
<b>2018321370</b>	United Color Manufacturing, Inc.	<b>2019233882</b>	Nippon Suisan Kaisha, Ltd.
<b>2018324019</b>	San Diego State University (SDSU) Foundation, DBA San Diego State University Research Foundation	<b>2019233941</b>	MBDA UK Limited
<b>2018328193</b>	Spitzley, J.	<b>2019236372</b>	F. Hoffmann-La Roche AG
<b>2018329399</b>	FNV IP B.V.	<b>2019236661</b>	Seal Ryt Corporation
<b>2018330804</b>	Rivulis Plastro Ltd.	<b>2019237168</b>	Avsalt AB
<b>2018340870</b>	AQUATEC MAXCON PTY LTD	<b>2019238318</b>	Qualcomm Incorporated
<b>2018342581</b>	Vertex Pharmaceuticals Incorporated	<b>2019238900</b>	Bodo Richter
<b>2018343099</b>	Metrol Technology Limited	<b>2019240335</b>	Izumi Technology, Llc ,
<b>2018344328</b>	Societe des Produits Nestle S.A.	<b>2019240892</b>	Tata Steel Nederland Technology B.V.
<b>2018344534</b>	Priority Drilling Ltd	<b>2019242168</b>	Tokuyama Dental Corporation
		<b>2019242518</b>	Kyowa Kirin Co., Ltd.
		<b>2019248434</b>	Qualcomm Incorporated
		<b>2019254542</b>	Vecor IP Holdings Limited
		<b>2019254783</b>	Elica S.p.A

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2019258677	Ferring B.V.	2020307535	Skeletal Dynamics, Inc.; Orbay, J.; Cooke, B.; Tremols, E.
2019261208	Skylab Networks Pte. Ltd.	2020312844	Zodiac Pool Care Europe
2019261324	Rohm and Haas Company; Dow Silicones Corporation; Dow Global Technologies LLC	2020344467	Caterpillar Inc.
2019261425	MannKind Corporation	2020348173	Plasma Technologies, LLC
2019261922	Corteva Agriscience LLC	2020358184	PlantaRx Limited
2019263879	Promecon Process Measurement Control GmbH	2020372781	Caterpillar Inc.
2019264659	United Arab Emirates University	2020376702	Chung, S.J.
2019265002	Xenon Pharmaceuticals Inc.	2020377024	Green Valley (Shanghai) Pharmaceuticals Co., Ltd.
2019266266	CAVH LLC	2020381749	Inventio AG
2019271432	Ballast Medical Inc.	2020383256	Caterpillar Inc.
2019276638	Epiroc Rock Drills Aktiebolag	2020388678	Hygiene IQ, LLC
2019280571	Myriad Women's Health, Inc.	2020402311	i-SENS, Inc.
2019284642	Indorama Ventures Oxides LLC	2020403124	Cricut, Inc.
2019284663	Henkel AG & Co. KGaA	2020406389	Amova GmbH
2019287698	Caterpillar Inc.	2020411330	Jinfan Biomedical Technology (Wuhan) Co., Ltd.
2019288384	Thermaquil, Inc.; University of Pittsburgh - Of the Commonwealth System of Higher Education	2020413920	Kubota Corporation
2019288484	Cugene Inc.	2020430275	Huang, Y.
2019288911	Touchwind Blue B.V.	2021200144	Takeda Pharmaceutical Company Limited
2019289288	Innerflame Pty Ltd	2021200981	Antecip Bioventures II LLC
2019293360	Ethicon, Inc.	2021202012	Guardant Health, Inc.
2019294256	F. HOFFMANN-LA ROCHE AG; ETH Zuerich	2021203348	University of Pittsburgh - Of the Commonwealth System of Higher Education
2019294836	Dana-Farber Cancer Institute, Inc.	2021203460	XENOHELIX CO., LTD
2019296519	Olitek Pty Ltd	2021203614	Havah Therapeutics Pty Ltd
2019299351	Ahuratech LLC	2021205877	Vaccinex, Inc.
2019305433	Dental Robotics Group B.V.	2021212613	American Sterilizer Company
2019306571	Dignity Health	2021215337	Bühler AG
2019315359	Fresenius Medical Care Holdings, Inc.	2021215990	DX Tech Pty Ltd
2019315428	SIEGENTHALER, M.	2021216420	Medal Technologies, LLC
2019315769	Ethicon, Inc.	2021217798	Bespak Europe Limited
2019317219	PRESTON, J.C.	2021225354	Mucosa Innovations, S.L.
2019319298	Southern Methodist University; Retina Foundation of The Southwest	2021228171	Koninklijke Douwe Egberts B.V.
2019320843	Vale S.A.	2021231546	Ocado Innovation Limited
2019321446	Generac Power Systems, Inc.	2021231700	P2 Science, Inc.
2019324817	Noritz Corporation	2021235478	Amsted Rail Company, Inc.
2019331260	Sekisui House, Ltd.	2021236488	Illumina, Inc.
2019331498	Beckman Coulter, Inc.	2021239948	Pneumatic Scale Corporation
2019334447	SELC Ireland Ltd.	2021240142	Alkahest, Inc.
2019334759	Trespa International B.V.	2021241885	Eurodia Industrie
2019336740	Tokuyama Dental Corporation	2021243774	Humax Co., Ltd.
2019337785	Car Holding B.V.	2021246440	Automation Tech, LLC
2019340675	The United States of America, as represented by The Secretary, Department of Health and Human Services	2021246883	Lufthansa Technik AG
2019341671	Foss Analytical A/S	2021249794	Choi, W.; Yoo, H.; Hwang, N.
2019366160	OncoRes Medical Pty Ltd	2021254602	Minerva Biotechnologies Corporation
2019389005	Geron Corporation	2021262552	CooperVision International Limited
2019421063	Halliburton Energy Services, Inc.	2021281966	International Business Machines Corporation
2019454310	Halliburton Energy Services, Inc.	2021282411	Dana-Farber Cancer Institute, Inc.
2020202324	Clover Network, LLC	2021283545	Huawei Technologies Co., Ltd.
2020222262	AstraZeneca AB	2021284101	Ing Co., Ltd.; Nagaki Seiki Co., Ltd.
2020229800	Eli Lilly and Company	2021290290	RMH Tech LLC
2020241747	Viceversa Lab, Inc	2021291666	Korea Institute of Science and Technology
2020246823	MHWirth GmbH	2021291797	Robert Bosch GmbH
2020253451	American Sterilizer Company	2021299367	LG Electronics Inc.
2020253532	Regeneron Pharmaceuticals, Inc.	2021300164	E2 IP Holding LLC
2020253743	Oshkosh Corporation	2021301346	International Business Machines Corporation
2020253744	Oshkosh Corporation	2021303487	FormaTurf GmbH
2020254332	Oshkosh Corporation	2021303726	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
2020257546	Wedi GmbH	2021308045	Taiho Pharmaceutical Co., Ltd.
2020258477	ByteDance Inc.	2021309863	Azure Mining Technology Pty Ltd; Chinese Institute of Coal Science
2020261363	DQ Holdings, LLC	2021310198	AdvanSix Resins & Chemicals LLC
2020267365	Ultima Genomics, Inc.	2021324980	Tronox LLC
2020267673	New West Genetics Inc.	2021329422	BAKER HUGHES OILFIELD OPERATIONS LLC
2020271879	Black Tulip Management, Inc.	2021330108	Eaton Intelligent Power Limited
2020274774	BGI Shenzhen; MGI Tech Co., Ltd.	2021333162	HSP Hochspannungsgeräte GmbH
2020279046	Avent, Inc.	2021333681	Merck Sharp & Dohme LLC
2020279047	Avent, Inc.	2021337509	PayPal, Inc.
2020284731	Wix.com Ltd.	2021338449	Carl Freudenberg KG
2020286221	TONIX PHARMACEUTICALS HOLDING CORP.	2021338917	Baker Hughes Oilfield Operations LLC
2020305579	LG Electronics Inc.		



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<b>2021340002</b>	ASTRAZENECA UK LIMITED; DAIICHI SANKYO COMPANY, LIMITED	<b>2022268459</b>	STATE GRID CORPORATION OF CHINA; STATE GRID SMART GRID RESEARCH INSTITUTE CO., LTD.
<b>2021345623</b>	SHANGHAI QUICKTRON INTELLIGENT TECHNOLOGY CO., LTD	<b>2022279527</b>	Shenzhen Shyugj Technology Co., Ltd.
<b>2021345714</b>	SHENYANG HAIER REFRIGERATOR CO., LTD.; QINGDAO HAIER REFRIGERATOR CO., LTD.; HAIER SMART HOME CO., LTD.	<b>2022291432</b>	NOA The Brand Pty Ltd
<b>2021348500</b>	CCTEG BEIJING TIANMA INTELLIGENT CONTROL TECHNOLOGY CO., LTD.; BEIJING CCRI-TIANMA AUTOMATION TECHNOLOGY CO., LTD.	<b>2022291674</b>	Unigen, Inc.
<b>2021367818</b>	OCADO INNOVATION LIMITED	<b>2022324791</b>	NIPPON STEEL ENGINEERING CO., LTD.
<b>2021368435</b>	NIPPON STEEL CORPORATION	<b>2022328389</b>	AKI, INC.
<b>2021368440</b>	NIPPON STEEL CORPORATION	<b>2022329626</b>	LEXUR LIMITED
<b>2021378005</b>	YIWUHUAYAO PHARMACEUTICAL TECHNOLOGY CO., LTD	<b>2022343574</b>	CHINA UNIVERSITY OF MINING AND TECHNOLOGY
<b>2021392749</b>	ACTNANO, INC.	<b>2022349809</b>	METSO FINLAND OY
<b>2021398802</b>	TIANJIN JIKUN MEDICAL TECHNOLOGY CO., LTD.	<b>2022357542</b>	GEN-PROBE INCORPORATED
<b>2021423999</b>	CCTEG XI'AN RESEARCH INSTITUTE (GROUP) CO., LTD	<b>2022364666</b>	LTA RESEARCH AND EXPLORATION, LLC
<b>2022200988</b>	Czap Research and Development, LLC	<b>2022377418</b>	COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION
<b>2022201003</b>	Pennakem Europa	<b>2022381656</b>	ZHUHAI UNITECH POWER TECHNOLOGY CO., LTD.
<b>2022201251</b>	LOPEZ, B.; CRUICKSHANK, J.; CRUICKSHANK, J.	<b>2022383010</b>	HUECK RHEINISCHE GMBH
<b>2022201424</b>	Harsco Technologies LLC	<b>2022383427</b>	CARL ZEISS VISION INTERNATIONAL GMBH
<b>2022201437</b>	Inno-Sports Co., Ltd	<b>2022389426</b>	FOX SUBSEA AS
<b>2022201653</b>	Techtronic Cordless GP	<b>2022442100</b>	Beijing Eacon Technology Co., Ltd.
<b>2022201830</b>	Smith & Nephew plc	<b>2023200718</b>	HAVRILOV, A.; OVCHARYK, I.; KHODAKOV, K.; PAVELKO, T.
<b>2022201869</b>	The Regents of the University of California	<b>2023200811</b>	Getac Technology Corporation
<b>2022202010</b>	LG Electronics Inc.	<b>2023200858</b>	Becton Dickinson France
<b>2022202602</b>	Breville USA, Inc.	<b>2023200872</b>	Wonderland Switzerland AG
<b>2022202606</b>	F. Hoffmann-La Roche AG	<b>2023200903</b>	BTL Medical Solutions a.s.
<b>2022202945</b>	Juul Labs, Inc.	<b>2023201155</b>	Snap-on Incorporated
<b>2022203071</b>	Eli Lilly and Company	<b>2023201281</b>	CHAN, E.
<b>2022203128</b>	Joy Global Underground Mining LLC	<b>2023201336</b>	Panasonic Intellectual Property Corporation of America
<b>2022203133</b>	Joy Global Underground Mining LLC	<b>2023201462</b>	Borg Manufacturing Pty Limited
<b>2022203351</b>	Stryker Corporation	<b>2023201542</b>	Muggleton, K.
<b>2022203370</b>	Intervet International B.V.	<b>2023202253</b>	Samsung Electronics Co., Ltd.
<b>2022203563</b>	Virginia Tech Intellectual Properties, Inc.	<b>2023202386</b>	UNIVERSITE DE MONTPELLIER; ABIVAX; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; INSTITUT CURIE
<b>2022203653</b>	iProov Limited	<b>2023202584</b>	ExsoMed Corporation
<b>2022203657</b>	Board of Regents of the University of Texas System	<b>2023202666</b>	8 Rivers Capital, LLC
<b>2022203794</b>	FUJIFILM Business Innovation Corp.	<b>2023203276</b>	HONEYWELL INTERNATIONAL INC.
<b>2022203804</b>	Ocado Innovation Limited	<b>2023203403</b>	Commonwealth Scientific and Industrial Research Organisation
<b>2022203827</b>	BASF Agrochemical Products B.V.	<b>2023203408</b>	CHEN, C.
<b>2022204056</b>	UNIVERSITY OF SOUTHERN CALIFORNIA	<b>2023203462</b>	Howmedica Osteonics Corp.
<b>2022204256</b>	Apple Inc.	<b>2023203850</b>	Tussy, K.A.
<b>2022204361</b>	PGG Wrightson Seeds Limited	<b>2023208134</b>	LG Electronics Inc.
<b>2022204416</b>	Lamb Weston, Inc.	<b>2023214216</b>	Intuit Inc.
<b>2022204822</b>	Concrete Canvas Technology Ltd.	<b>2023238513</b>	GUANGZHOU INSTITUTE OF ENERGY CONVERSION, CHINESE ACADEMY OF SCIENCES
<b>2022204895</b>	Schlange Lock Company LLC	<b>2023274247</b>	Kirin Industries Holdings Pty Ltd
<b>2022206779</b>	Cue Health Inc.	<b>2024200147</b>	GENEQUANTUM HEALTHCARE (SUZHOU) CO., LTD.
<b>2022206782</b>	LG Electronics Inc.	<b>2024201999</b>	Nokia Technologies Oy
<b>2022206822</b>	Cognian Technologies Ltd	<b>2024202916</b>	Newbury, J.
<b>2022209357</b>	Torskal; Morel, A.	<b>2024203340</b>	STRYKER AUSTRALIA PTY LTD
<b>2022218633</b>	The Board of Trustees of the Leland Stanford Junior University		
<b>2022228150</b>	Arvinas Operations, Inc.; Yale University		
<b>2022228541</b>	ELI LILLY AND COMPANY		
<b>2022232721</b>	METSO OUTOTEC FINLAND OY		
<b>2022235560</b>	Menarini Silicon Biosystems S.p.A.		
<b>2022235564</b>	Wing Aviation LLC		
<b>2022241561</b>	F. Hoffmann-La Roche AG		
<b>2022244979</b>	FUTURE MEDICINE CO., LTD.; HK INNO.N CORPORATION		
<b>2022246476</b>	Sany Heavy Machinery Limited.		
<b>2022252730</b>	Huwais IP Holding LLC		
<b>2022252760</b>	JIANGSU OCEAN UNIVERSITY		
<b>2022252772</b>	Trevelyan Trading Ltd		
<b>2022254044</b>	BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC.		
<b>2022257959</b>	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)		
<b>2022259694</b>	WORKSPORT LTD.		
<b>2022263770</b>	THALES DIS FRANCE SAS		

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2018275673	2022203827	<b><u>A24F 1 /-</u></b>	2019271432	2018342581	2020286221
<b><u>A01C 7 /-</u></b>	<b><u>A01N 53 /-</u></b>	2022202945	2019315769	2018434915	2022209357
2018262499	2018330804	2022202945	2020261363	2019337785	<b><u>A61K 35 /-</u></b>
<b><u>A01D 34 /-</u></b>	2022203370	<b><u>A24F 47 /-</u></b>	2020307535	2020307535	2017234120
2020376702	2022203827	2018372233	2022252730	2021262552	2017246289
2022201653	<b><u>A01N 57 /-</u></b>	<b><u>A43B 13 /-</u></b>	2023202584	2023203462	2018221730
<b><u>A01D 69 /-</u></b>	2019261922	2020241747	2023203462	<b><u>A61F 5 /-</u></b>	2018278185
2022201653	<b><u>A01P 13 /-</u></b>	<b><u>A43B 21 /-</u></b>	<b><u>A61B 18 /-</u></b>	2019271432	2018342581
<b><u>A01G 25 /-</u></b>	2019261922	2020241747	2019288384	<b><u>A61G 1 /-</u></b>	2021203348
2018275673	<b><u>A01P 3 /-</u></b>	<b><u>A43B 3 /-</u></b>	2020279046	2019218393	2021240142
2018330804	2018411552	2020241747	2020279047	<b><u>A61G 13 /-</u></b>	<b><u>A61K 36 /-</u></b>
<b><u>A01H 1 /-</u></b>	2019217608	<b><u>A43B 34 /-</u></b>	2023200903	2022203351	2018383677
2018275486	<b><u>A01P 7 /-</u></b>	<b><u>A43B 3 /-</u></b>	<b><u>A61B 3 /-</u></b>	<b><u>A61G 7 /-</u></b>	2021225354
2020267673	2022203370	2020241747	2018389674	2019218393	2022204361
<b><u>A01H 5 /-</u></b>	2022203827	<b><u>A45D 19 /-</u></b>	<b><u>A61B 34 /-</u></b>	<b><u>A61K 31 /-</u></b>	<b><u>A61K 38 /-</u></b>
2018275486	<b><u>A21B 1 /-</u></b>	2022328389	2020279046	2017313085	2017240238
2020267673	2021246440	<b><u>A46B 17 /-</u></b>	2020279047	2018221730	2017246289
<b><u>A01H 6 /-</u></b>	<b><u>A23C 21 /-</u></b>	2022329626	2024203340	2018304881	2017250790
2020267673	2021241885	<b><u>A46B 9 /-</u></b>	<b><u>A61B 5 /-</u></b>	2018307479	2018221730
<b><u>A01K 11 /-</u></b>	<b><u>A23C 9 /-</u></b>	2019305433	2018315253	2018313260	2018287317
2018432365	2021241885	<b><u>A46D 3 /-</u></b>	2018434915	2018359336	2018304881
<b><u>A01K 67 /-</u></b>	<b><u>A23D 9 /-</u></b>	2019305433	2019366160	2018366212	2018368466
2020253532	2022201003	<b><u>A47B 21 /-</u></b>	2020402311	2018367733	2018378485
<b><u>A01N 25 /-</u></b>	<b><u>A23F 5 /-</u></b>	2018388926	<b><u>A61B 6 /-</u></b>	2018371771	2019288484
2018330804	2018328193	<b><u>A47B 31 /-</u></b>	2018308867	2018383677	2021203348
2019261324	2018344328	2019289288	<b><u>A61B 8 /-</u></b>	2019223333	2021240142
2019261922	<b><u>A23K 10 /-</u></b>	<b><u>A47C 17 /-</u></b>	2018434915	2019231725	2022228541
2019284642	2019233882	2023203408	2022201869	2019242518	2024200147
<b><u>A01N 37 /-</u></b>	2022204361	<b><u>A47J 31 /-</u></b>	<b><u>A61B 90 /-</u></b>	2019258677	<b><u>A61K 39 /-</u></b>
2019217608	<b><u>A23K 20 /-</u></b>	2018328193	2019264659	2019265002	2017241776
2022203827	2019233882	<b><u>A47K 11 /-</u></b>	2019265002	2019294256	2017246289
<b><u>A01N 39 /-</u></b>	<b><u>A23K 40 /-</u></b>	2021216420	2021212613	2019340675	2017259198
2019261922	2019233882	<b><u>A47L 11 /-</u></b>	<b><u>A61C 13 /-</u></b>	2019389005	2017261374
<b><u>A01N 43 /-</u></b>	<b><u>A23K 50 /-</u></b>	2021299367	2020358184	2020358184	2017269115
2018411552	2019233882	<b><u>A47L 13 /-</u></b>	2020377024	2020377024	2017276473
2019261922	2019233882	2021338449	2021200981	2021200981	2017305502
2019284642	<b><u>A23L 33 /-</u></b>	<b><u>A47L 9 /-</u></b>	2021203348	2021203348	2017313085
2022203370	2018313260	2021299367	2021203614	2021203614	2017345759
2022203827	<b><u>A23L 5 /-</u></b>	2022202010	2021225354	2021225354	2018210684
2022204056	<b><u>A61B 17 /-</u></b>	<b><u>A61F 13 /-</u></b>	2021291666	2021291666	2018287317
<b><u>A01N 47 /-</u></b>	2022203370	2018414498	2021308045	2021308045	2018371056
2022203370	<b><u>A61K 47 /-</u></b>	2019315769	2021333681	2021333681	2021205877
	2017237186		2021378005	2021378005	2022218633
	2018304881		2021398802	2021398802	<b><u>A61K 45 /-</u></b>
	2018313260		2022200988	2022200988	2017246289
	2018366212		2022203071	2022203071	2024200147
	2018368466		2022203370	2022203370	<b><u>A61K 47 /-</u></b>
	2019225845		2022204056	2022204056	2017237186
	2019258677		2022204361	2022204361	2018304881
	2019389005		2022228150	2022228150	2018313260
	2022200988		2022241561	2022241561	2018366212
	2022209357		2022244979	2022244979	2018368466
			2023202386	2023202386	2019225845
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2017244143 2017250790 2017304949 2018250169	<b><u>A61N 2 /-</u></b>	2018378485 2022204361 2022228541	2021310198 2022328389	2022232721	<b><u>B25J 15 /-</u></b>
<b><u>A61K 6 /-</u></b>	<b><u>A61N 5 /-</u></b>	<b><u>A61P 31 /-</u></b>	<b><u>A62C 3 /-</u></b>	<b><u>B02C 25 /-</u></b>	2021231546
2019336740	2022201869	2021309863	2022232721	<b><u>B03B 5 /-</u></b>	<b><u>B26D 3 /-</u></b>
<b><u>A61K 8 /-</u></b>	<b><u>A61N 7 /-</u></b>	2021225354 2021333681	<b><u>A62D 1 /-</u></b>	2022203563	<b><u>B26D 7 /-</u></b>
2019219081 2020271879 2020430275 2021310198 2022328389	2018434915	<b><u>A61P 33 /-</u></b>	2018435573	<b><u>B03C 1 /-</u></b>	2020403124
<b><u>A61K 9 /-</u></b>	<b><u>A61P 1 /-</u></b>	2018210684	<b><u>B01D 11 /-</u></b>	2019421063	<b><u>B29B 17 /-</u></b>
2018304881 2018313260 2018342581 2018366212 2018368466 2019258677 2022209357 2022241561	2021225354 2022203071 2022204361 2023202386	<b><u>A61P 35 /-</u></b>	2020267673 2022201003	<b><u>B03D 1 /-</u></b>	2021303487
<b><u>A61L 15 /-</u></b>	<b><u>A61P 11 /-</u></b>	2017248671 2017305502 2017313085 2018287317 2019236372 2019242518 2019264659 2021203614 2021205877 2021308045 2021378005 2022209357 2022228150 2022241561 2024200147	<b><u>B01D 17 /-</u></b>	2022203563	<b><u>B29C 49 /-</u></b>
2018300759 2018414498	<b><u>A61P 13 /-</u></b>	<b><u>A61P 37 /-</u></b>	2022252772	<b><u>B05B 1 /-</u></b>	2019238900
<b><u>A61L 27 /-</u></b>	<b><u>A61P 15 /-</u></b>	2017241776 2017276473 2021225354 2022241561 2024200147	<b><u>B01D 19 /-</u></b>	2018330804	<b><u>B29C 51 /-</u></b>
2020307535	<b><u>A61P 17 /-</u></b>	<b><u>A61P 39 /-</u></b>	2018420564 2022252772	<b><u>B05B 3 /-</u></b>	2019293360
<b><u>A61M 1 /-</u></b>	2021225354	2017241776 2017276473 2021225354 2022241561 2024200147	<b><u>B01D 21 /-</u></b>	2018275673	<b><u>B29C 55 /-</u></b>
2019315359 2022201830	<b><u>A61P 19 /-</u></b>	<b><u>A61P 41 /-</u></b>	2021239948	<b><u>B07C 5 /-</u></b>	2019238900
<b><u>A61M 15 /-</u></b>	<b><u>A61P 21 /-</u></b>	2017234120 2021203614 2021225354 2021308045	<b><u>B01D 33 /-</u></b>	2022204416	<b><u>B29C 69 /-</u></b>
2019261425	<b><u>A61P 23 /-</u></b>	<b><u>A61P 43 /-</u></b>	2018328193	<b><u>B08B 7 /-</u></b>	2019238900
<b><u>A61M 16 /-</u></b>	<b><u>A61P 25 /-</u></b>	2017241776 2017276473 2021225354 2022241561 2024200147	<b><u>B01D 53 /-</u></b>	2021228171 2021246883	<b><u>B29K 23 /-</u></b>
2018315253 2019261425	<b><u>A61P 27 /-</u></b>	<b><u>A61P 45 /-</u></b>	2018420564	<b><u>B08B 9 /-</u></b>	2019238900
<b><u>A61M 25 /-</u></b>	2017234120 2017241776 2018359336 2018371771 2019223333 2019265002 2019340675 2020286221 2020358184 2020377024 2021291666 2022244979 2023202386	<b><u>A61P 47 /-</u></b>	<b><u>B01D 61 /-</u></b>	2021228171	<b><u>B29K 27 /-</u></b>
2018434915 2019337785	<b><u>A61P 29 /-</u></b>	2019294256	2019237168	<b><u>B21F 15 /-</u></b>	2019238900
<b><u>A61M 39 /-</u></b>	<b><u>A61P 31 /-</u></b>	<b><u>A61P 49 /-</u></b>	<b><u>B01D 63 /-</u></b>	2018204050	2019238900
2019315359	<b><u>A61Q 1 /-</u></b>	2017234120 2021203614 2021225354 2021308045	2018420564	<b><u>B21F 7 /-</u></b>	<b><u>B29L 9 /-</u></b>
<b><u>A61M 5 /-</u></b>	<b><u>A61Q 11 /-</u></b>	<b><u>A61P 51 /-</u></b>	<b><u>B01F 23 /-</u></b>	2018204050	2019238900
2020229800 2023200858	<b><u>A61P 33 /-</u></b>	2017234120 2017241776 2018359336 2018371771 2019223333 2019265002 2019340675 2020286221 2020358184 2020377024 2021291666 2022244979 2023202386	2018340870 2023201542	<b><u>B22F 1 /-</u></b>	<b><u>B30B 15 /-</u></b>
<b><u>A61M 60 /-</u></b>	<b><u>A61P 35 /-</u></b>	<b><u>A61P 53 /-</u></b>	<b><u>B01J 8 /-</u></b>	2022209357	2022383010
2019315428	<b><u>A61P 37 /-</u></b>	2017234120 2021203614 2021225354 2021308045	2018373428	<b><u>B22F 9 /-</u></b>	<b><u>B30B 3 /-</u></b>
	<b><u>A61P 39 /-</u></b>	<b><u>A61Q 1 /-</u></b>	<b><u>B01L 3 /-</u></b>	2022209357	2022383010
	<b><u>A61P 41 /-</u></b>	2019294256	2018403222 2019331498 2019341671 2022235560	<b><u>B23B 51 /-</u></b>	<b><u>B31B 50 /-</u></b>
	<b><u>A61P 43 /-</u></b>	<b><u>A61Q 11 /-</u></b>	<b><u>B01L 7 /-</u></b>	2022252730	2019203332
	<b><u>A61P 45 /-</u></b>	2019294256	2022202602	<b><u>B25B 23 /-</u></b>	<b><u>B32B 13 /-</u></b>
	<b><u>A61P 47 /-</u></b>	<b><u>A61Q 17 /-</u></b>	<b><u>B02C 17 /-</u></b>	2023201155	2022204822
	<b><u>A61P 49 /-</u></b>	2021310198	2022349809	<b><u>B25G 3 /-</u></b>	<b><u>B32B 25 /-</u></b>
	<b><u>A61P 51 /-</u></b>	2020430275	<b><u>B02C 2 /-</u></b>	2018313313	2022204822
	<b><u>A61P 53 /-</u></b>	2020430275		<b><u>B25J 11 /-</u></b>	<b><u>B32B 27 /-</u></b>
	<b><u>A61P 55 /-</u></b>	2019219081		2021299367	2022204822

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<b><u>B32B 29 /-</u></b>	2020413920	<b><u>B64D 47 /-</u></b>	2020254332	2021378005	<b><u>C07D 405 /-</u></b>
2019334759	<b><u>B60W 60 /-</u></b>	2022235564	<b><u>B67C 3 /-</u></b>	<b><u>C07C 43 /-</u></b>	2019223333
<b><u>B32B 3 /-</u></b>	2020413920	<b><u>B64G 1 /-</u></b>	2021228171	2021378005	2019231725
2019334759	<b><u>B61G 9 /-</u></b>	2018304704	<b><u>B82Y 5 /-</u></b>	<b><u>C07C 59 /-</u></b>	2019242518
2022204822	2021235478	<b><u>B65B 13 /-</u></b>	2019389005	2022291674	2019340675
<b><u>B32B 5 /-</u></b>	<b><u>B62B 7 /-</u></b>	2018204050	<b><u>C01B 32 /-</u></b>	<b><u>C07D 209 /-</u></b>	<b><u>C07D 407 /-</u></b>
2019334759	2023200872	<b><u>B65B 25 /-</u></b>	2021203348	2019340675	2019340675
2022204822	<b><u>B62D 25 /-</u></b>	2018367304	<b><u>C01C 3 /-</u></b>	<b><u>C07D 213 /-</u></b>	<b><u>C07D 409 /-</u></b>
<b><u>B32B 7 /-</u></b>	2023274247	<b><u>B65B 7 /-</u></b>	2021203348	2022291674	2019223333
2019334759	<b><u>B62D 27 /-</u></b>	2021228171	<b><u>C02F 1 /-</u></b>	<b><u>C07D 215 /-</u></b>	2019242518
2022204822	2023274247	<b><u>B65D 55 /-</u></b>	2019237168	2019242518	<b><u>C07D 413 /-</u></b>
<b><u>B41J 11 /-</u></b>	2023274247	2019203332	<b><u>C04B 33 /-</u></b>	2023202386	2019242518
2022203794	<b><u>B62D 29 /-</u></b>	<b><u>B65D 61 /-</u></b>	2019254542	<b><u>C07D 217 /-</u></b>	<b><u>C07D 417 /-</u></b>
<b><u>B44B 5 /-</u></b>	2023274247	2021345623	<b><u>C04B 35 /-</u></b>	2021291666	2019223333
2022383010	<b><u>B62D 33 /-</u></b>	<b><u>B65D 71 /-</u></b>	2019254542	<b><u>C07D 233 /-</u></b>	<b><u>C07D 455 /-</u></b>
<b><u>B44C 5 /-</u></b>	2023274247	2018269775	<b><u>C07C 201 /-</u></b>	2019340675	2018371771
2019334759	<b><u>B62D 49 /-</u></b>	<b><u>B65D 73 /-</u></b>	<b><u>C07C 205 /-</u></b>	<b><u>C07D 235 /-</u></b>	<b><u>C07D 471 /-</u></b>
<b><u>B44D 3 /-</u></b>	2020413920	2022201251	2021378005	2021291666	2019340675
2022329626	<b><u>B62D 55 /-</u></b>	<b><u>B65D 83 /-</u></b>	<b><u>C07C 213 /-</u></b>	2022228150	2021291666
<b><u>B60G 17 /-</u></b>	2019320843	2021217798	2021378005	<b><u>C07D 239 /-</u></b>	2022228150
2021291797	2020344467	<b><u>B65G 1 /-</u></b>	<b><u>C07C 217 /-</u></b>	<b><u>C07D 249 /-</u></b>	<b><u>C07D 487 /-</u></b>
<b><u>B60J 1 /-</u></b>	2022246476	2020406389	2021378005	2018411552	2019242518
2018266414	<b><u>B62D 7 /-</u></b>	2021231546	<b><u>C07C 219 /-</u></b>	2019231725	2021398802
2018366082	2020253743	2021367818	2021378005	2022203071	2019242518
<b><u>B60L 53 /-</u></b>	<b><u>B63B 22 /-</u></b>	2022203804	<b><u>C07C 221 /-</u></b>	<b><u>C07D 251 /-</u></b>	2021398802
2022235564	2024202916	<b><u>B65G 47 /-</u></b>	2021310198	2019223333	2019242518
<b><u>B60P 7 /-</u></b>	<b><u>B63B 35 /-</u></b>	2021231546	<b><u>C07C 231 /-</u></b>	<b><u>C07D 277 /-</u></b>	2019294836
2018203968	2024202916	<b><u>B65G 51 /-</u></b>	2021378005	2021291666	<b><u>C07D 513 /-</u></b>
<b><u>B60T 13 /-</u></b>	<b><u>B64B 1 /-</u></b>	2018367304	<b><u>C07C 233 /-</u></b>	<b><u>C07D 301 /-</u></b>	2019340675
2018350994	2022364666	<b><u>B65G 63 /-</u></b>	2021378005	2018411552	<b><u>C07D 519 /-</u></b>
<b><u>B60T 17 /-</u></b>	<b><u>B64C 21 /-</u></b>	2020406389	<b><u>C07C 235 /-</u></b>	2019231725	2019242518
2017370920	2021246883	<b><u>B66B 19 /-</u></b>	2022291674	2019340675	2022228150
2018350994	<b><u>B64C 29 /-</u></b>	2020381749	<b><u>C07C 237 /-</u></b>	<b><u>C07D 317 /-</u></b>	<b><u>C07F 9 /-</u></b>
<b><u>B60T 7 /-</u></b>	2019211505	<b><u>B66C 1 /-</u></b>	2021378005	2019340675	2021378005
2017370920	<b><u>B64C 39 /-</u></b>	2021284101	<b><u>C07C 29 /-</u></b>	<b><u>C07D 401 /-</u></b>	<b><u>C07H 1 /-</u></b>
2018350994	2017228525	<b><u>B66F 11 /-</u></b>	2018411552	2019223333	2018224318
<b><u>B60T 8 /-</u></b>	2022235564	2020253744	<b><u>C07C 39 /-</u></b>	2019242518	2022244979
2017370920	<b><u>B64D 33 /-</u></b>	2020254332	2022291674	2019294256	2022244979
<b><u>B60W 30 /-</u></b>	2018379680	<b><u>B66F 17 /-</u></b>	<b><u>C07C 41 /-</u></b>	2022228150	<b><u>C07K 1 /-</u></b>
2020413920	<b><u>B64D 45 /-</u></b>	2020253744	2019223333	<b><u>C07D 403 /-</u></b>	2018258251
<b><u>B60W 50 /-</u></b>	2022364666	2020253744	2021333681	2021333681	2020348173

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<b><u>C07K 14 /-</u></b>		<b><u>C12N 13 /-</u></b>	<b><u>C23F 11 /-</u></b>	<b><u>E04B 2 /-</u></b>	<b><u>E21B 17 /-</u></b>
2017259198		2021215337	2021324980	2019317219	2018444147
2018210684	<b><u>C08L 67 /-</u></b>			2023201462	2021338917
2018248961	2018304881	<b><u>C12N 15 /-</u></b>	<b><u>C25B 1 /-</u></b>		
2018287317	<b><u>C08L 71 /-</u></b>	2017244143	2018350295	<b><u>E04C 3 /-</u></b>	<b><u>E21B 23 /-</u></b>
2018345400	2018304881	2017250790		2017204788	2018300227
2019236372		2017259198	<b><u>C40B 20 /-</u></b>		2018344534
2019288484	<b><u>C09C 1 /-</u></b>	2017276473	2020274774	<b><u>E04D 13 /-</u></b>	<b><u>E21B 25 /-</u></b>
2020253532	2021324980	2018210684		2021290290	
2021203348		2018221730	<b><u>C40B 40 /-</u></b>	<b><u>E04F 13 /-</u></b>	2018344534
2022218633	<b><u>C09D 5 /-</u></b>	2018224318	2020274774	2023201462	<b><u>E21B 33 /-</u></b>
2022228541	2021324980	2018248961	<b><u>D06F 33 /-</u></b>		2018300227
	2021392749	2018250169	2020305579	<b><u>E04F 15 /-</u></b>	2022389426
<b><u>C07K 16 /-</u></b>		2018258251		2021303487	<b><u>E21B 34 /-</u></b>
2017237186	<b><u>C09K 3 /-</u></b>	2018266377	<b><u>D06F 37 /-</u></b>	<b><u>E04F 19 /-</u></b>	2018343099
2017241776	2021217798	2018278516	2020305579	2023201462	2021329422
2017246289		2018324019	<b><u>D06F 39 /-</u></b>		
2017248671	<b><u>C09K 5 /-</u></b>	2018345400	2020305579	<b><u>E04G 11 /-</u></b>	<b><u>E21B 37 /-</u></b>
2017259198	2018391186	2020267673		2019208189	2021329422
2017261374		2020411330	<b><u>E01B 27 /-</u></b>	<b><u>E04G 21 /-</u></b>	<b><u>E21B 41 /-</u></b>
2017269115	<b><u>C10B 53 /-</u></b>	2021308045	2022201424	2018204050	2022389426
2017276473	2022324791		<b><u>E01B 35 /-</u></b>	2021284101	<b><u>E21B 43 /-</u></b>
2017305502		<b><u>C12N 5 /-</u></b>	2022201424	<b><u>E04G 3 /-</u></b>	2021329422
2017345759	<b><u>C10L 1 /-</u></b>	2017244143	<b><u>E01F 15 /-</u></b>	2020381749	<b><u>E21B 47 /-</u></b>
2018287317	2018321370	2018212854	2018275673	<b><u>E04H 12 /-</u></b>	2018343099
2018371056		2018221730	<b><u>E02B 9 /-</u></b>	2018275673	2019454310
2019236372	<b><u>C10L 3 /-</u></b>	2018248961	2024202916	<b><u>E04H 4 /-</u></b>	2021423999
2019294836	2023201542	2018273603	<b><u>E02D 27 /-</u></b>	2020312844	<b><u>E21B 7 /-</u></b>
2020222262		2018278185	2018275673	<b><u>E04H 6 /-</u></b>	2018344534
2021200144	<b><u>C10L 5 /-</u></b>	2018342581	<b><u>E02F 3 /-</u></b>	2019317219	2021423999
2021205877	2022324791	2018345400	2018290176	2021367818	<b><u>E21D 20 /-</u></b>
2021254602		2020411330	<b><u>E02F 7 /-</u></b>		2019276638
2022218633	<b><u>C10L 9 /-</u></b>	2021282411	2018290176	<b><u>E05B 15 /-</u></b>	<b><u>E21F 13 /-</u></b>
	2022324791		<b><u>E02G 9 /-</u></b>	2022204895	2022203128
<b><u>C07K 17 /-</u></b>		<b><u>C12N 9 /-</u></b>	2024202916	<b><u>E05B 27 /-</u></b>	2022203133
2022218633	<b><u>C10L 11 /-</u></b>	2017240238	<b><u>E02H 4 /-</u></b>	2019202734	<b><u>F02C 7 /-</u></b>
	2022324791	2017244143	2020312844	<b><u>E05B 3 /-</u></b>	2018379680
<b><u>C07K 2 /-</u></b>		2017244143	<b><u>E04H 6 /-</u></b>	2019317219	<b><u>E21D 20 /-</u></b>
2019288484	<b><u>C10L 9 /-</u></b>	2018212854	2020312844	2021367818	2019276638
	2022324791	2018221730	<b><u>E05B 15 /-</u></b>		
<b><u>C07K 5 /-</u></b>		2018258251	2022204895	<b><u>E05B 15 /-</u></b>	<b><u>E21F 13 /-</u></b>
2019225845	<b><u>C11B 1 /-</u></b>	2019217608	<b><u>E05B 27 /-</u></b>	2022204895	2022203128
2022228150	2022201003	2021236488	2019202734	<b><u>E05B 3 /-</u></b>	2022203133
2024200147	<b><u>C11B 3 /-</u></b>	2022200988	<b><u>E05B 63 /-</u></b>	2022204895	<b><u>F02C 9 /-</u></b>
	2022201003		2022204895	<b><u>E05B 63 /-</u></b>	2023202666
<b><u>C07K 7 /-</u></b>		<b><u>C12P 19 /-</u></b>	<b><u>E05B 67 /-</u></b>	2022204895	<b><u>F03B 13 /-</u></b>
2020286221	<b><u>C10L 5 /-</u></b>	2018224318	2019202734	<b><u>E05D 11 /-</u></b>	2023238513
2024200147	2022324791		<b><u>E05D 11 /-</u></b>	2022201437	2024202916
	<b><u>C11D 17 /-</u></b>	<b><u>C12Q 1 /-</u></b>			
<b><u>C08B 37 /-</u></b>	2019284663	2018211956	<b><u>E02F 7 /-</u></b>	<b><u>E05B 15 /-</u></b>	<b><u>E21F 13 /-</u></b>
2018383677		2018248961	2018290176	2022204895	2022203128
	<b><u>C12M 1 /-</u></b>	2018266377	<b><u>E02F 9 /-</u></b>	<b><u>E05B 27 /-</u></b>	2022203133
<b><u>C08G 18 /-</u></b>	2020274774	2019389005	2020372781	2019202734	<b><u>F02C 7 /-</u></b>
2020402311	2021215337	2020267365	2020383256	<b><u>E05B 3 /-</u></b>	2018379680
	2021239948	2020274774	<b><u>E03D 11 /-</u></b>	2022204895	<b><u>F02C 9 /-</u></b>
	2022252760	2021202012	2021216420	<b><u>E05B 63 /-</u></b>	2023202666
<b><u>C08G 63 /-</u></b>		2021203460	<b><u>E03F 5 /-</u></b>	2022204895	<b><u>F03B 13 /-</u></b>
2018304881	<b><u>C12M 3 /-</u></b>	2021239948	2020257546	<b><u>E05B 67 /-</u></b>	2023238513
	2021239948	2022357542		2019202734	2024202916
<b><u>C08G 65 /-</u></b>	2021282411	2023202386	<b><u>E04B 1 /-</u></b>	<b><u>E05D 11 /-</u></b>	<b><u>F03D 13 /-</u></b>
2021231700	2022203657		2019317219	2022201437	2019288911
	2022252760	<b><u>C21B 13 /-</u></b>	2023201462		<b><u>F03D 17 /-</u></b>
<b><u>C08L 101 /-</u></b>	<b><u>C12N 1 /-</u></b>	2019240892			
2019336740	2018324019	<b><u>C23C 14 /-</u></b>			
		2022383010			

Applications Accepted - IPC Index cont'd

2019263879	<b><u>F16K 15 /-</u></b>		2018321370	2021217798	
<b><u>F03D 7 /-</u></b>	2018340870	<b><u>F24H 3 /-</u></b>		<b><u>G03B 3 /-</u></b>	<b><u>G06F 40 /-</u></b>
2019263879	<b><u>F16K 24 /-</u></b>	2019289288	<b><u>G01N 33 /-</u></b>		2022204256
2019288911	2018340870	<b><u>F24S 20 /-</u></b>	2017304949	2019233941	
<b><u>F04B 11 /-</u></b>		2021290290	2018210684	<b><u>G03G 15 /-</u></b>	<b><u>G06K 19 /-</u></b>
2020246823	<b><u>F16K 31 /-</u></b>	<b><u>F25B 1 /-</u></b>	2018211956	2022203794	2018418342
<b><u>F04B 15 /-</u></b>	2018340870	2018391186	2018258251	<b><u>G05B 1 /-</u></b>	<b><u>G06K 7 /-</u></b>
2020246823	<b><u>F16L 15 /-</u></b>		2020222262	2019205906	2018418342
<b><u>F04B 39 /-</u></b>	2018444147	<b><u>F25D 11 /-</u></b>	2022206779	<b><u>G05B 11 /-</u></b>	<b><u>G06N 20 /-</u></b>
2019202008	<b><u>F21S 4 /-</u></b>	2021345714	2022206779	2019205906	2019204930
<b><u>F04B 43 /-</u></b>	2020253451	<b><u>F25J 3 /-</u></b>	<b><u>G01P 13 /-</u></b>	<b><u>G05D 1 /-</u></b>	2019319298
2020246823	<b><u>F21S 8 /-</u></b>	2019202524	2019263879	2019202837	2020284731
<b><u>F04D 13 /-</u></b>	2020253451	<b><u>F27B 3 /-</u></b>	<b><u>G01P 5 /-</u></b>	2019211505	2023214216
2019315428	<b><u>F21V 17 /-</u></b>	2019240892	2019263879	2019266266	<b><u>G06N 3 /-</u></b>
<b><u>F04D 29 /-</u></b>	2020253451	<b><u>F27D 17 /-</u></b>	<b><u>G01R 15 /-</u></b>	2021299367	2019204930
2019315428	<b><u>F21V 21 /-</u></b>	2019240892	2021333162	2022235564	2023214216
<b><u>F15B 1 /-</u></b>	2020253451	<b><u>F27D 3 /-</u></b>	<b><u>G01R 23 /-</u></b>	2023200811	<b><u>G06N 5 /-</u></b>
2023238513	<b><u>F21V 23 /-</u></b>	2019240892	2023200718	<b><u>G06F 11 /-</u></b>	2023214216
<b><u>F15B 11 /-</u></b>	2019334447	<b><u>F42B 10 /-</u></b>	<b><u>G01R 31 /-</u></b>	2022202606	<b><u>G06Q 10 /-</u></b>
2023238513	2021212613	2018379680	2021215990	<b><u>G06F 12 /-</u></b>	2022204256
<b><u>F15B 13 /-</u></b>	<b><u>F21V 31 /-</u></b>	<b><u>F42B 15 /-</u></b>	<b><u>G01R 33 /-</u></b>	2023214216	<b><u>G06Q 20 /-</u></b>
2023238513	2023200811	2018379680	2021333162	<b><u>G06F 13 /-</u></b>	2020202324
<b><u>F15B 20 /-</u></b>	<b><u>F21V 33 /-</u></b>	<b><u>F42B 3 /-</u></b>	2022291432	2020202324	2022263770
2023238513	2020253451	2019296519	<b><u>G01S 17 /-</u></b>	<b><u>G06F 16 /-</u></b>	<b><u>G06Q 50 /-</u></b>
<b><u>F16B 2 /-</u></b>	<b><u>F21V 5 /-</u></b>	<b><u>F42D 1 /-</u></b>	2022377418	2019204930	2022442100
2018266414	2020253451	2019296519	<b><u>G01S 5 /-</u></b>	2020284731	<b><u>G06T 7 /-</u></b>
<b><u>F16C 11 /-</u></b>	<b><u>F21W 131 /-</u></b>	<b><u>F42D 3 /-</u></b>	2019248434	2022204256	2018329399
2020344467	2020253451	2019296519	<b><u>G01S 7 /-</u></b>	2022204256	2022235564
<b><u>F16C 33 /-</u></b>	<b><u>F21Y 103 /-</u></b>	<b><u>G01B 11 /-</u></b>	2022377418	<b><u>G06F 17 /-</u></b>	2022377418
2020344467	2020253451	2018329399	<b><u>G02B 3 /-</u></b>	2022204256	<b><u>G06V 10 /-</u></b>
<b><u>F16F 1 /-</u></b>	<b><u>F21Y 115 /-</u></b>	2019366160	2019233941	2022377418	2021340002
2021291797	2020253451	<b><u>G01B 21 /-</u></b>	<b><u>G02B 5 /-</u></b>	<b><u>G06F 18 /-</u></b>	2022203653
<b><u>F16G 13 /-</u></b>	<b><u>F23D 14 /-</u></b>	2018329399	2022383427	2021340002	2022381656
2020344467	2019289288	<b><u>G01C 21 /-</u></b>	<b><u>G02B 6 /-</u></b>	<b><u>G06F 21 /-</u></b>	<b><u>G06V 20 /-</u></b>
<b><u>F16H 7 /-</u></b>	<b><u>F23N 5 /-</u></b>	2022377418	2017440681	2019221743	2021340002
2019421063	2019324817	<b><u>G01C 3 /-</u></b>	2018413141	2021337509	2022235564
<b><u>F16J 15 /-</u></b>	<b><u>F24C 15 /-</u></b>	2022377418	2021333162	2022263770	2022377418
2019236661	2019254783	<b><u>G01G 19 /-</u></b>	<b><u>G02C 7 /-</u></b>	2023203403	<b><u>G07C 9 /-</u></b>
2020257546	<b><u>F24F 11 /-</u></b>	2020253744	2021262552	2023203850	2018388665
	2018391186	<b><u>G01N 30 /-</u></b>	2022383427	<b><u>G06F 3 /-</u></b>	<b><u>G07F 7 /-</u></b>
			<b><u>G02F 1 /-</u></b>	2020202324	2020202324
			2019233941	2020279046	<b><u>G07G 1 /-</u></b>
				2020284731	2020202324
				<b><u>G06F 30 /-</u></b>	2020202324
				2019331260	
				2022343574	

Applications Accepted - IPC Index cont'd

<b><u>G08B 13 /-</u></b>		2019321446	
2018418342	<b><u>H01C 7 /-</u></b>		<b><u>H04W 52 /-</u></b>
	2021330108	<b><u>H03G 3 /-</u></b>	2019238318
<b><u>G08B 21 /-</u></b>		2022254044	
2019287698	<b><u>H01F 27 /-</u></b>		<b><u>H04W 64 /-</u></b>
	2021368435	<b><u>H03H 17 /-</u></b>	2019248434
<b><u>G08B 25 /-</u></b>	2021368440	2022254044	
2019287698	<b><u>H01F 41 /-</u></b>	<b><u>H03K 17 /-</u></b>	<b><u>H04W 72 /-</u></b>
	2021368435	2019321446	2021283545
<b><u>G09B 23 /-</u></b>	2021368440		2024201999
2024203340		<b><u>H04B 1 /-</u></b>	<b><u>H04W 80 /-</u></b>
<b><u>G09F 15 /-</u></b>	<b><u>H01L 23 /-</u></b>	2022254044	2019261208
2018296544	2021301346		
	2021392749	<b><u>H04B 17 /-</u></b>	<b><u>H05B 1 /-</u></b>
<b><u>G09F 27 /-</u></b>	<b><u>H01L 25 /-</u></b>	2021283545	2022202602
2018296544	2021301346	<b><u>H04B 3 /-</u></b>	<b><u>H05B 3 /-</u></b>
<b><u>G09F 3 /-</u></b>	<b><u>H01M 10 /-</u></b>	2019454310	2022202602
2018296544	2021309863	<b><u>H04L 12 /-</u></b>	<b><u>H05B 33 /-</u></b>
<b><u>G09F 7 /-</u></b>	<b><u>H01M 50 /-</u></b>	2022206822	2019299351
2018296544	2021309863	<b><u>H04L 47 /-</u></b>	<b><u>H05B 39 /-</u></b>
<b><u>G10L 19 /-</u></b>	<b><u>H01R 25 /-</u></b>	2019221743	2022279527
2021303726	2021300164	<b><u>H04L 5 /-</u></b>	<b><u>H05B 45 /-</u></b>
<b><u>G11C 13 /-</u></b>	<b><u>H02H 7 /-</u></b>	2019212127	2022279527
2021281966	2023200718	2023202253	
		<b><u>H04L 9 /-</u></b>	<b><u>H05B 47 /-</u></b>
<b><u>G16B 20 /-</u></b>	<b><u>H02J 3 /-</u></b>		2022279527
2019280571	2019205906	2018352026	
	2019206099	2018388665	<b><u>H05K 3 /-</u></b>
<b><u>G16C 10 /-</u></b>	2021300164	2019232391	2021392749
2018211956		2021337509	
	<b><u>H02J 50 /-</u></b>	2022263770	<b><u>H05K 5 /-</u></b>
		2023203403	
<b><u>G16H 10 /-</u></b>	2022291432	<b><u>H04N 19 /-</u></b>	2023200811
2020388678	<b><u>H02J 7 /-</u></b>	2021243774	<b><u>H05K 7 /-</u></b>
		2022257959	
<b><u>G16H 15 /-</u></b>	2022259694	2023201336	2022268459
2020388678	<b><u>H02J 9 /-</u></b>	2023208134	2023200811
<b><u>G16H 40 /-</u></b>	2021300164	<b><u>H04N 21 /-</u></b>	
2022202606	<b><u>H02K 1 /-</u></b>	2023203276	
<b><u>G16H 50 /-</u></b>	2021249794	<b><u>H04N 7 /-</u></b>	
2019204930	<b><u>H02K 15 /-</u></b>	2020258477	
2019280571		2023203276	
	2021249794	2023203850	
<b><u>H01B 3 /-</u></b>			
	<b><u>H02K 3 /-</u></b>	<b><u>H04W 12 /-</u></b>	
2021392749	2021249794	2018352026	
		2022263770	
<b><u>H01B 7 /-</u></b>	<b><u>H02K 99 /-</u></b>	2023203403	
2018424294	2021249794	<b><u>H04W 4 /-</u></b>	
<b><u>H01C 1 /-</u></b>	<b><u>H02S 40 /-</u></b>	2019287698	
2021330108		2021348500	

**Patents Granted**

**Standard Patents**

2016383475	2016391970	2017227308	2017265065
2017281389	2017306676	2017316663	2017322374
2017326174	2017326922	2017336251	2017355218
2017371402	2017376950	2017385274	2017390813
2017412642	2017423466	2018200100	2018200476
2018200724	2018201712	2018202265	2018202422
2018202760	2018203973	2018204773	2018207025
2018207283	2018209072	2018212895	2018214168
2018219151	2018219901	2018225329	2018227801
2018231789	2018235962	2018247928	2018253406
2018256472	2018260292	2018265522	2018275244
2018277530	2018279941	2018279977	2018286984
2018288296	2018290821	2018291078	2018299215
2018303840	2018306467	2018307012	2018314385
2018316501	2018320864	2018323207	2018329974
2018332972	2018338098	2018345516	2018346681
2018351525	2018352983	2018353940	2018354572
2018356925	2018360827	2018373507	2018373915
2018374360	2018378810	2018379389	2018382215
2018382355	2018389968	2018390132	2018391780
2018399218	2018403776	2018433605	2019200609
2019202756	2019202923	2019203030	2019205299
2019208401	2019210164	2019211004	2019211008
2019213691	2019215010	2019220632	2019224932
2019235432	2019236116	2019239544	2019240258
2019249959	2019252178	2019252527	2019252878
2019253118	2019253883	2019260644	2019262079
2019262080	2019263700	2019265902	2019267660
2019269131	2019271771	2019273028	2019273941
2019287378	2019303986	2019305102	2019305888
2019312160	2019313162	2019334109	2019345706
2019358249	2019374190	2019374875	2019379426
2019385248	2019407816	2019448656	2019468597
2019476916	2020217316	2020245640	2020259338
2020294103	2020296604	2020299074	2020300343
2020317807	2020318306	2020324822	2020328503
2020332844	2020342371	2020346736	2020349369
2020353033	2020354500	2020371005	2020374919
2020377991	2020378461	2020386822	2020389525
2020392151	2020393677	2020396658	2020408342
2020414768	2020421463	2020422557	2020423724
2020433244	2020436036	2020436768	2020437982
2020439818	2020441234	2020444066	2020459543
2021200708	2021201231	2021201668	2021204166
2021204227	2021204521	2021204689	2021204983
2021205268	2021206651	2021208915	2021212621
2021215197	2021221240	2021227095	2021227695
2021227696	2021239971	2021240324	2021242147
2021244308	2021247307	2021249695	2021250983
2021250993	2021251034	2021253293	2021254650
2021255960	2021257912	2021258027	2021258051
2021269396	2021269451	2021273287	2021273612
2021276459	2021281643	2021282472	2021286362
2021286444	2021287112	2021290220	2021290226
2021290283	2021290361	2021290382	2021290396
2021291706	2021302874	2021306651	2021308027
2021308238	2021308328	2021309099	2021310481
2021333558	2021337124	2021341465	2021343677
2021349359	2021349381	2021350813	2021373162
2021384704	2022200338	2022200518	2022200768
2022200859	2022200906	2022201166	2022201538
2022201785	2022201946	2022201977	2022202166
2022202182	2022202424	2022202632	2022202644
2022202728	2022202842	2022202967	2022203080
2022203237	2022203264	2022203515	2022203782
2022203809	2022204166	2022204197	2022204394
2022204681	2022204915	2022204928	2022209303

**Patents Granted**

**Standard Patents**

2022211861	2022218533	2022221398	2022221482
2022221520	2022224698	2022228144	2022231665
2022235568	2022252699	2022256206	2022268297
2022268367	2022275491	2022279430	2022279472
2022279475	2022283781	2022291413	2022442104
2023200008	2023200034	2023200069	2023200174
2023200189	2023200275	2023200617	2023201070
2023201175	2023201284	2023201736	2023202076
2023202702	2023203007	2023214310	2023214311
2023218297	2023255046	2023274245	

**Innovation Patents**

2019101856	2020104507	2020104508
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**Assignments Registered**

2000055722	Astellas Pharma Inc.	The patent has been assigned to <b>Sandoz AG</b>
2010224405	Innovation First, Inc.	The patent has been assigned to <b>Spin Master Ltd.</b>
2010224407	Innovation First, Inc.	The patent has been assigned to <b>Spin Master Ltd.</b>
2010324830	OXIDIEN PHARMACEUTICALS, LLC	The patent has been assigned to <b>ORENZYMES LLC</b>
2011351017	C3TECH CHAIX & ASSOCIES, CONSULTANTS EN TECHNOLOGIES	The patent has been assigned to <b>HeVaTech</b>
2012201317	Innovation First, Inc.	The patent has been assigned to <b>Spin Master Ltd.</b>
2013242781	Innovation First, Inc.	The patent has been assigned to <b>Spin Master Ltd.</b>
2013360016	Sandvik Intellectual Property AB	The patent has been assigned to <b>Sunny Corner Exploration Inc.</b>
2013377736	Ingalfarma SpA	The patent has been assigned to <b>True Node Sciences, Inc.</b>
2014267634	Sandvik Intellectual Property AB	The patent has been assigned to <b>Sunny Corner Exploration Inc.</b>
2015205907	MAX & WILS PTY. LTD.	The patent has been assigned to <b>Masterform Systems Pty Ltd</b>
2016244121	Oxidien Pharmaceuticals, LLC	The patent has been assigned to <b>ORENZYMES LLC</b>
2016370470	Bellicum Pharmaceuticals, Inc.	The patent has been assigned to <b>Board of Regents of the University of Texas System</b>
2017217864	Smart Medical Devices, Inc.	The patent has been assigned to <b>Quartus Engineering, Inc.</b>
2018100374	MAX & WILS PTY. LTD.	The patent has been assigned to <b>Masterform Systems Pty Ltd</b>
2018264051	GSW Creative Corporation	The patent has been assigned to <b>Final Bell Brand Co.</b>
2018301337	Smart Medical Devices, Inc.	The patent has been assigned to <b>Quartus Engineering, Inc.</b>
2019101285	MAX & WILS PTY. LTD.	The patent has been assigned to <b>Masterform Systems Pty Ltd</b>
2019200679	GSW Creative Corporation	The patent has been assigned to <b>Final Bell Brand Co.</b>



**Assignments Registered**

2020100237 MAX & WILS PTY. LTD. The patent has been assigned to **Masterform Systems Pty Ltd**

2020394627 Triplet Therapeutics, Inc. The patent has been assigned to **Takeda Pharmaceuticals U.S.A., Inc.**

2021107111 Max & Wils Pty. Ltd. The patent has been assigned to **Masterform Systems Pty Ltd**

2021200688 Oxidien Pharmaceuticals, LLC The patent has been assigned to **ORENZYMES LLC**

**Licences Registered - Section 187, Reg. 19**

(The name in the parentheses is that of the licensee)

2004264885 Otsuka Pharmaceutical Co.Ltd. ( Otsuka Australia Pharmaceutical Pty Ltd )

2004264886 Otsuka Pharmaceutical Co., Ltd. ( Otsuka Australia Pharmaceutical Pty Ltd )

2004284904 Otsuka Pharmaceutical Co., Ltd ( Otsuka Australia Pharmaceutical Pty Ltd )

2004285448 Otsuka Pharmaceutical Co., Ltd. ( Otsuka Australia Pharmaceutical Pty Ltd )

2008283251 Otsuka Pharmaceutical Co., Ltd. ( Otsuka Australia Pharmaceutical Pty Ltd )

2011294201 Otsuka Pharmaceutical Co., Ltd. ( Otsuka Australia Pharmaceutical Pty Ltd )

2011330241 Otsuka Pharmaceutical Co., Ltd. ( Otsuka Australia Pharmaceutical Pty Ltd )

2012209853 Otsuka Pharmaceutical Co., Ltd. ( Otsuka Australia Pharmaceutical Pty Ltd )

2012267810 Otsuka Pharmaceutical Co., Ltd. ( Otsuka Australia Pharmaceutical Pty Ltd )

**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.

2009274569 **Arena Pharmaceuticals, Inc.**

The earliest first regulatory approval date provided by the patentee 22 May 2024

For the goods VELSIPITY etrasimod

2014220357 **Pfizer Inc.**

The earliest first regulatory approval date provided by the patentee 16 Apr 2024

For the goods CIBINQO abrocitinib

**Corrigenda**

In Vol 36 , No 8 , Page(s) 1062 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Children's Hospital Medical Center, Application No. 2020337417, under INID (71) add co-applicant RIKEN

In Vol 58 , No 11 , Page(s) 1496 under the heading **Amendments - Amendments Made** Under the name Yoshino Gypsum Co., Ltd., Application No. 2021251557, under INID (54) correct the invention title to

**Corrigenda**

Gypsum-based load-bearing board, load-bearing wall structure, and load-bearing wall construction method for wooden construction building

**Specifications Republished**

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

- 2019302995 **UCB Biopharma SRL**
- 2020467066 **ADOMAKO, D.**
- 2020468922 **VIASAT, INC.**
- 2020472953 **PAYPAL, INC.**
- 2020474630 **PAYPAL, INC.**
- 2020476229 **BLUVEIN INNOVATION PTY. LTD.**
- 2021326917 **JIANGSU CHIA TAI FENGHAI PHARMACEUTICAL CO., LTD.**
- 2021328979 **BEIJING SONGRUN PHARMACEUTICAL TECHNOLOGY CO., LTD.**
- 2021330125 **SUNTORY HOLDINGS LIMITED**
- 2021330829 **LECAVALIER CELLARS LLC**
- 2021332107 **MOWGLI INNOVATIONS LTD**
- 2021333448 **DUNAMU INC.; LAMBDA256, CO., LTD**
- 2021336985 **OCTAVE BIOSCIENCE, INC.**
- 2021339038 **NUCHIDO LIMITED**
- 2021340243 **AESCULUS BIO APB**
- 2021340631 **TODO BIO, S.A.**
- 2021340725 **EDWARDS LIFESCIENCES CORPORATION**
- 2021340894 **LEAHY, C.H.**
- 2021341542 **THE CURATORS OF THE UNIVERSITY OF MISSOURI**
- 2021343247 **DOMETIC SWEDEN AB**
- 2021343516 **THE TEXAS A & M UNIVERSITY SYSTEM**
- 2021344961 **CAREFUSION 303, INC.**
- 2021344967 **THE JACKSON LABORATORY**
- 2021345181 **Alumis Inc**
- 2021345422 **PNEUMA THERAPEUTICS, INC.**
- 2021345495 **DEAKIN UNIVERSITY**
- 2021347431 **ASTRAZENECA AB; IONIS PHARMACEUTICALS, INC**
- 2021348225 **ABLEVIA BIOTECH GMBH**
- 2021349091 **KUHN SAS**
- 2021350586 **FRESHAPE SA**
- 2021350764 **RAZER (ASIA-PACIFIC) PTE. LTD.**
- 2021353781 **CATERPILLAR INC.**
- 2021354326 **BREVILLE PTY LIMITED**
- 2021354880 **STUMATEC AG**
- 2021356234 **AQDOT LIMITED**
- 2021356529 **REILEY PHARMACEUTICALS, INC.**
- 2021356639 **DICERNA PHARMACEUTICALS, INC.**
- 2021356693 **SYNTHORX, INC.**
- 2021356776 **M.E.P. MACCHINE ELETTRONICHE PIEGATRICI S.P.A.**
- 2021357750 **PHILIP MORRIS PRODUCTS S.A.**
- 2021357810 **ENCLEAR THERAPIES, INC.**
- 2021358755 **I-LUMEN SCIENTIFIC, INC.**
- 2021358905 **MEMORIAL SLOAN KETTERING CANCER CENTER**
- 2021359129 **PROXYGEN GMBH**
- 2021359652 **ONE CUP PRODUCTIONS LTD.**
- 2021359888 **OMEGA OPHTHALMICS LLC**
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Smart Glass Systems Pty Ltd, the patentee of Australian innovation patent no. 2015100599, intends to apply for an order directing amendment of that patent under s 105(1) of the *Patents Act 1990* (Cth):

- (a) The proceeding in which the order is sought is Federal Court proceeding no. NSD 453 of 2024, titled *Smart Glass Systems Pty Ltd & Anor v Glass Outlet BNE Pty Ltd*.
- (b) The amendments sought are marked in Annexure A to the Originating Application filed in the proceeding, namely:
  - (i) in claim 2 — delete the word “in” in the phrase “surface in such”;
  - (ii) in claims 2, 4 and 5 — in each claim, delete the word “and” in the phrase “located and laterally outwardly”;
  - (iii) in claims 3 and 4 — in both claims, add the words “such that the clamping member is obstructed from moving laterally sideways with respect to the plurality of threaded holes” after the words “the clamping member is located within a cavity provided by the inner surface of the front flange”;
  - (iv) in claim 5 — re-number paragraph “(c)” to paragraph “(b)”;
  - (v) in claim 5 — add the words “; wherein, in use, the glass panel is held in place by the mounting and one or more like mountings spaced horizontally along the vertical support surface” at the end of the claim.
- (c) SGS’s address for service is Benjamin Horne, Aqua Law, Level 6, 111 Elizabeth Street, Sydney NSW 2000 and email address [ben@aqualaw.com.au](mailto:ben@aqualaw.com.au).
- (d) Any person intending to oppose the application who is not a party to the proceeding must, within 28 days after publication of this advertisement, give written notice of that intention to the Commissioner of Patents and each party to the proceeding.

ANNEXURE A



**The claims of the present invention are as follows:**

1. A mounting assembly including:
  - (a) a mounting including:
    - (i) a body configured to be mounted to a vertical support surface, the body having a slot defined by a front flange and rear flange, the slot being configured to receive a glass panel in a vertical orientation substantially parallel to the vertical support surface and laterally outwardly offset with respect to the vertical support surface, such that in use a bottom edge of the glass panel is positioned lower than a top edge of the support surface, and a top edge of the glass panel is positioned higher than the top edge of the support surface, wherein the front flange includes:
      - (A) an outer surface including an inclined surface defining a tapered profile of the front flange thereby restricting the front flange being used as a foothold; and
      - (B) a plurality of threaded holes that extend from the outer surface to an inner surface of the front flange;
    - (ii) a first member and a second member for clamping the glass panel within the slot, wherein the first member is movable from a stowed position, such that the first member is located within a cavity provided by the inner surface of the front flange, to a clamping position such that the first member at least partially protrudes from the cavity;
    - (iii) a plurality of screws threadably engaged with the plurality of threaded holes, wherein actuation of the plurality of screws cause the first member to at least partially protrude from the cavity and urge against the glass panel locatable within the slot so that the glass panel is clamped between the first member and the second member; and
  - (b) a threaded fastener projecting rearwardly from a rear surface of the rear flange.
2. A mounting configured to be mounted to a vertical support surface, the mounting being further configured to hold in place a glass panel substantially parallel and laterally offset from the vertical support surface, the mounting including:



a body having a slot defined by a front flange and rear flange such that the slot is open to a top and two opposite sides of the body, the slot being configured to receive a glass panel, the slot having a barrier at its lower end which limits downwards vertical movement of the glass panel when is inserted into the slot, wherein the rear flange includes a rear flange hole for allowing a threaded fastener be received through the rear flange for securing the mounting to a vertical support surface, wherein the front flange includes:

an outer surface including an inclined surface defining a tapered profile of the front flange thereby restricting the front flange being used as a foothold when the mounting is secured to a vertical support surface ~~in~~ such that the barrier at the lower end of the slot limits downwards vertical movement of a glass panel that is inserted into the slot; and

a plurality of threaded holes that extend from the external surface to an inner surface of the front flange;

a clamping member movable from a stowed position to a clamping position, wherein in the stowed position the clamping member is located within a cavity provided by the inner surface of the front flange thereby to hold the clamping member substantially in place to facilitate insertion of a glass panel into the slot such that during such insertion the locating of the clamping member within the cavity inhibits the clamping member falling sideways out of the slot whilst enabling sliding of the glass panel within the slot, and wherein in the clamping position the clamping member at least partially protrudes from the cavity, thereby to frictionally engage against the glass panel and prevent movement of the glass panel within the slot; and

a plurality of screws threadably engaged with the plurality of threaded holes, wherein actuation of the plurality of screws cause the clamping member to at least partially protrude from the cavity, such that the extent of protrusion of the clamping member from the cavity increases progressively corresponding to progressive actuation of the screws, thereby to urge against the glass panel locatable within the slot to frictionally engage the glass panel within the slot thereby to prevent movement of the glass panel within the slot upon threshold frictional engagement being achieved;

wherein, upon securing the mounting to the vertical support surface, the slot is located ~~and~~ laterally outwardly offset with respect to the vertical support surface, such that in use a bottom edge of the glass panel is positioned lower than a top edge of the support surface.

3. A mounting including:

a body having a slot defined by a front flange and rear flange, the slot being configured to





receive a glass panel, wherein the rear flange includes a rear flange hole for allowing a threaded fastener be received through the rear flange for securing the mounting to a vertical support surface, wherein the front flange includes:

an outer surface including an inclined surface defining a tapered profile of the front flange thereby restricting the front flange being used as a foothold to climb upwards with respect to the glass panel; and

a plurality of threaded holes that extend from the external surface to an inner surface of the front flange;

a clamping member movable from a stowed position to a clamping position, wherein in the stowed position the clamping member is located within a cavity provided by the inner surface of the front flange such that the clamping member is obstructed from moving laterally sideways with respect to the plurality of threaded holes, and wherein in the clamping position the clamping member at least partially protrudes from the cavity; and

a plurality of screws threadably engaged with the plurality of threaded holes, wherein actuation of the plurality of screws cause the clamping member to at least partially protrude from the cavity and urge against the glass panel locatable within the slot to frictionally engage the glass panel within the slot;

wherein the rear flange includes a recessed section for accommodating a portion of the threaded fastener such that the threaded fastener does not protrude within the slot when secured to the support surface.

4. A mounting assembly including:
  - (a) a mounting including:
    - (i) a body having a slot defined by a front flange and rear flange, the slot being configured to receive a glass panel, wherein the rear flange includes a rear flange hole, wherein the front flange includes:
      - (A) an outer surface including an inclined surface defining a tapered profile of the front flange thereby restricting the front flange being used as a foothold to climb upwards with respect to the glass panel; and
      - (B) a plurality of threaded holes that extend from the outer surface to an inner surface of the front flange;
    - (ii) a clamping member movable from a stowed position to a clamping position,



wherein in the stowed position the clamping member is located within a cavity provided by the inner surface of the front flange such that the clamping member is obstructed from moving laterally sideways with respect to the plurality of threaded holes, and wherein in the clamping position the clamping member at least partially protrudes from the cavity; and

- (iii) a plurality of screws threadably engaged with the plurality of threaded holes, wherein actuation of the plurality of screws cause the clamping member to at least partially protrude from the cavity and urge against the glass panel locatable within the slot to frictionally engage the glass panel within the slot; and
- (b) a threaded fastener received through the rear flange via the rear flange hole for securing the mounting to a vertical support surface, such that, upon securing the mounting to the vertical support surface, the slot is located ~~and~~-laterally outwardly offset with respect to the vertical support surface, such that in use a bottom edge of the glass panel is positioned lower than a top edge of the support surface.

5. A kit for assembling a mounting assembly, the kit including:

(a) a mounting including:

(i) a body having a slot defined by a front flange and rear flange, the slot being configured to receive a glass panel, wherein the rear flange includes a rear flange hole, wherein the front flange includes:

(A) an outer surface including an inclined surface defining a tapered profile of the front flange thereby restricting the front flange being used as a foothold to climb upwards with respect to the glass panel; and

(B) a plurality of threaded holes that extend from the outer surface to an inner surface of the front flange;

(ii) a clamping member movable from a stowed position to a clamping position, wherein in the stowed position the clamping member is located within a cavity provided by the inner surface of the front flange, and wherein in the clamping position the clamping member at least partially protrudes from the cavity; and

(iii) a plurality of screws threadably engageable or threadably engaged with the plurality of threaded holes, wherein actuation of the plurality of screws cause the clamping member to at least partially protrude from the cavity and urge against the glass panel locatable within the slot to frictionally engage the glass panel





within the slot; and

(be) a threaded fastener receivable through the rear flange via the rear flange hole for securing the mounting to a vertical support surface, such that, upon securing the mounting to the vertical support surface, the slot is located ~~and~~ laterally outwardly offset with respect to the vertical support surface, such that in use a bottom edge of the glass panel is positioned lower than a top edge of the vertical support surface;

wherein, in use, the glass panel is held in place by the mounting and one or more like mountings spaced horizontally along the vertical support surface.