



**Australian Government**

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**IP Australia**

**AUSTRALIAN OFFICIAL JOURNAL**

**OF**

**PATENTS**



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## *General Information*

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

*Editorial enquiries*

*Contact information*

*Freedom of Information ACT*

*Professional Standards Board*

*Sales*

*Requests for Information under Section 194 (c)*

*Country Codes*

*Trade Mark and Designs Hearing Sessions*

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

## GUIDE TO THE USE OF THIS JOURNAL

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

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

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

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

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

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

### **(iii) ACCEPTANCE –**

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

### **(iv) OPPOSITION –**

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

### **(v) GRANTING –**

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

### **(vi) CERTIFICATION**

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

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

## How To Identify Information Using "INID" Numbers

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

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

(22) 12.10.91

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

## How Australian Patent Documents are Numbered

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

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

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

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

**See Examples:**

2011236254 and 2000023658 (Standard Complete)

2011158589 (Innovation Complete)

2011902365 (Provisional)

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

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

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

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

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

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

## Arrangement of Information in the Journal

For each of the categories

- (i) Provisional Applications Filed,
- (ii) Complete Applications Filed,
- iii) Applications Open to Public Inspection
- (iv) Applications Accepted, and
- (v) Innovation Patent Certified.

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

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

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

## Using the Indices

### 1. 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 applications filed - Name Index</b>	
The <u>name</u> of the applicant	(71)	The <u>name</u> of the applicant	(71)
The <u>number</u> assigned to the application	(21)	The <u>number</u> assigned to the application	(21)
The <u>date</u> of filing	(22)	The <u>date</u> of filing	(22)
The <u>title</u> of the invention	(54)	<u>Title</u> of the invention	(54)
		<u>Number</u> of priority document(s) if any	(31)
		<u>Date(s)</u> of filing of priority documents	(32)
		<u>Country</u> of which priority documents filed	(33)
		PCT application <u>number</u>	(86)

<u>ITEM</u>	<u>INID</u> <u>No.</u>	<u>ITEM</u>	<u>INID</u> <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)
Inventors <u>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.



## 2. 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.
- (44) 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.
- (45) 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.

Proceedings under the Patents Act 1990

**Provisional Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 14 Sep 2021 .

(71) 3 AIM IP Pty Ltd (21) 2021902991 (22) 16.09.2021 (54) Physiological parameter sensing systems and methods	(71) Brown & Watson International Pty Ltd (21) 2021902994 (22) 17.09.2021 (54) ADAPTIVE DRIVING LIGHT SYSTEM	(71) CRPS Solutions Pty Ltd (21) 2021902949 (22) 13.09.2021 (54) Composition and use thereof
(71) aurasonic (21) 2021902984 (22) 16.09.2021 (54) QR code check in customer queueing system	(71) Cementech Pty Ltd (21) 2021902936 (22) 10.09.2021 (54) A Seawall Structural Wall System and Corresponding Method of Construction	(71) David Bastians Family Trust, D.B.F.T. (21) 2021902937 (22) 10.09.2021 (54) clip with adjustable magnets
(71) Baraja Pty Ltd (21) 2021902964 (22) 14.09.2021 (54) An optical beam director	<b>Champion, L. see van Dongen, C.</b> (21) 2021902998	(71) Day, T. (21) 2021902967 (22) 15.09.2021 (54) MEANS TO REDUCE DRAG AND NOISE IN PUMPS
(71) Bertani, R.L. (21) 2021902977 (22) 15.09.2021 (54) A method and system for remediating a wellbore	(71) Chevallerau, M. (21) 2021902993 (22) 17.09.2021 (54) Ladder Stabilisation Device	(71) Electronics Boutique Australia Pty Limited (21) 2021902986 (22) 16.09.2021 (54) A DIAGNOSTIC DEVICE AND METHOD OF USE
<b>Bertola, N. see Seed, Q.</b> (21) 2021902955	(71) Ciobanu, M. (21) 2021902972 (22) 15.09.2021 (54) Parent Mission Tracker	(71) E M Solutions Pty Ltd (21) 2021902999 (22) 17.09.2021 (54) DIELECTRIC ROD ANTENNA ASSEMBLY
<b>Boger, S.B. see O'Sullivan, J.</b> (21) 2021902940	(71) CONCRETE BARRIER CLEANING AUSTRALIA PTY LTD (21) 2021902945 (22) 11.09.2021 (54) Concrete Barrier Cleaning Unit	(71) Engaging Things (21) 2021902944 (22) 11.09.2021 (54) Enhanced automated word sense disambiguation system and method using unambiguous entity inferencing
(71) Bowey, J. (21) 2021902979 (22) 15.09.2021 (54) Steel fabricated collar for wooden poles	<b>Cotton Research and Development Corporation see Nufarm Limited</b> (21) 2021902978	(71) Engaging Things (21) 2021902948 (22) 13.09.2021 (54) System and method for in-context entity-based content recommendations
(71) BrainConnect Pty Ltd (21) 2021902957 (22) 13.09.2021 (54) Systems and methods for event forecasting and intervention	(71) Cripps Clark, J. (21) 2021902946 (22) 12.09.2021 (54) TickerTag : Systems, methods and device/s for distributed systems using advanced technologies such as distributed ledger and block chains may be spread or portable across geographical areas less serviced with diverse communications or need to work within a process of communications technology migration.	(71) Ensitech IP Pty Ltd (21) 2021902996 (22) 17.09.2021 (54) Weld Cleaning Brush
(71) Breville Pty Limited (21) 2021902985 (22) 16.09.2021 (54) Toaster with bread lift mechanism		<b>Gannon, R. see Gannon, M.</b> (21) 2021902907

Provisional Applications Filed - Name Index cont'd

(71) Gannon, M.; Gannon, R.  
(21) 2021902907 (22) 08.09.2021  
(54) Porous contact pads

(71) Gibson, F.  
(21) 2021902981 (22) 16.09.2021  
(54) Apparatus and method of mounting a panel relative to a surface

(71) Gomez, R.  
(21) 2021902908 (22) 08.09.2021  
(54) Production of Special Green Steel from Iron Ores

(71) Grisbrook, R.  
(21) 2021902982 (22) 16.09.2021  
(54) P1565AU03

(71) Heiniger Limited  
(21) 2021902958 (22) 13.09.2021  
(54) Drive Assembly

(71) Hewett, J.  
(21) 2021902929 (22) 09.09.2021  
(54) ADJUSTABLE LENGTH BICYCLE STEM USING SPACERS

**Horticulture Innovation Australia Limited see Nufarm Limited**  
(21) 2021902978

(71) HUGHES ASSET GROUP PTY LTD  
(21) 2021902983 (22) 16.09.2021  
(54) A COUPLER

(71) iEP2 Research Pty Limited  
(21) 2021902974 (22) 15.09.2021  
(54) An electrical protection device

(71) Infinite Water Technologies Pty Ltd  
(21) 2021902973 (22) 15.09.2021  
(54) Process for treating condensate of whey water

(71) JSR IP Holdings Pty Ltd  
(21) 2021902963 (22) 14.09.2021  
(54) Blind Latching Arrangement

(71) Kardi Holdings Pty Ltd  
(21) 2021902942 (22) 10.09.2021  
(54) Shaft assembly for a paddle or a hand tool

(71) KNORR-BREMSE AUSTRALIA PTY LTD  
(21) 2021902961 (22) 14.09.2021  
(54) A HEAT PUMP HVAC SYSTEM

(71) KRESTENSEN FAMILY HOLDINGS PTY LTD  
(21) 2021902947 (22) 13.09.2021  
(54) My invention is a game that users/players earn points by doing actions or buying products that are good for the environment.

**Lobenhoffer, J.M. see O'Sullivan, J.**  
(21) 2021902940

**Mackinlay, R. see van Dongen, C.**  
(21) 2021902998

(71) Mariana Diamond Pty Ltd ATF The Trenchard Family Trust  
(21) 2021902966 (22) 14.09.2021  
(54) Recyclable gas barrier agricultural plastic mulch film

(71) McGurgan, D.  
(21) 2021902990 (22) 16.09.2021  
(54) Self Closing Vent

(71) Mesoblast International Sarl  
(21) 2021902941 (22) 10.09.2021  
(54) Method of treating progressive heart failure in subjects with Class II heart failure

(71) MICROBA IP PTY LTD  
(21) 2021902960 (22) 13.09.2021  
(54) COMPOSITIONS AND METHODS FOR TREATING DISEASE

(71) Nufarm Limited; The University of Queensland; Cotton Research and Development Corporation; Horticulture Innovation Australia Limited  
(21) 2021902978 (22) 15.09.2021  
(54) CONTROL OF INSECT PESTS

(71) NURMI, I.  
(21) 2021902962 (22) 14.09.2021  
(54) A HAND OPERATED DEVICE TO ENABLE UP TO 3 INTERCHANGEABLE PROPRIETARY JIGS TO BE USED ON 3 SIDES OF A SURFACE SIMULTANEOUSLY, ALLOWING THE JIGS TO STAY IN ALIGNMENT WHILST ADJUSTING TO DIFFERENT THICKNESS SURFACES IN ONE MOTION, KEEPING IT CENTRED AND HOLDING TO THE SURFACE WITH TENSION FOR THE PURPOSE OF MARKING, DRILLING, MILLING, ROUTING OR OTHERWISE MODIFYING SURFACES; THAT CAN BE USED FOR BUT NOT LIMITED TO, BUILDING AND CONSTRUCTION

(71) O'Sullivan, J.; Rodionov, R.; Boger, S.B.; Lobenhoffer, J.M.  
(21) 2021902940 (22) 10.09.2021  
(54) Biological markers of liver fat

(71) Optima Mining Systems Pty Ltd  
(21) 2021902939 (22) 10.09.2021  
(54) A CUTTING HEAD ASSEMBLY

(71) Pagliaro, K.  
(21) 2021903000 (22) 17.09.2021  
(54) A cosmetic pencil sharpener

(71) Performance Processing Pty Ltd  
(21) 2021902987 (22) 16.09.2021  
(54) A Process and System for Heating a Lithium Containing Material with Reduced Dust Generation

(71) Phillips, S.  
(21) 2021902997 (22) 17.09.2021  
(54) Means for triggering the execution of automated financial transactions based on material changes in a physical environment

(71) Plowman, M.  
(21) 2021902953 (22) 13.09.2021  
(54) A foot scourer

(71) Rebus Corporation Pty Ltd  
(21) 2021902971 (22) 15.09.2021  
(54) Recovering energy from a rotating vehicle wheel and device, method and disc rotor therefor

(71) Robinson, B.  
(21) 2021902951 (22) 13.09.2021  
(54) A deployable suspension frame for a vehicle

**Rodionov, R. see O'Sullivan, J.**  
(21) 2021902940

(71) SafeOperate  
(21) 2021902943 (22) 10.09.2021  
(54) Seat Cover With Embedded Accelerometers

(71) Saluda Medical Pty Ltd  
(21) 2021902938 (22) 10.09.2021  
(54) Fitting Patients for Neuromodulation Therapy

(71) Scolaro, A.  
(21) 2021902989 (22) 16.09.2021  
(54) A Drive System for a Power Drive Type SC2

Provisional Applications Filed - Name Index cont'd

(71) Seed, Q.; Bertola, N.  
 (21) 2021902955 (22) 13.09.2021  
 (54) Round Rod Singulator

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(71) SF INTEGRITY PTY LTD  
 (21) 2021902995 (22) 17.09.2021  
 (54) A WAVE ENERGY APPARATUS

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(71) Smith, D.  
 (21) 2021902969 (22) 15.09.2021  
 (54) Pool Surface Cleaner

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(71) Spark, I.  
 (21) 2021902980 (22) 16.09.2021  
 (54) Improved Controlled Differential

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(71) Tannous, H.  
 (21) 2021902965 (22) 14.09.2021  
 (54) FLOAT FOR A FISHING LINE

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(71) TekCyte Pty Ltd  
 (21) 2021902950 (22) 13.09.2021  
 (54) METHOD FOR PRODUCING HYPER-BRANCHED POLYGLYCEROL COATINGS

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(71) The Council of the Queensland Institute of Medical Research  
 (21) 2021902988 (22) 16.09.2021  
 (54) IMMUNOGENIC COMPOSITIONS AND USES THEREOF

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(71) The Quiet Company Pty Ltd  
 (21) 2021902975 (22) 15.09.2021  
 (54) System, Device and Method for Promoting a Desired Mental State

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**The University of Queensland see Nufarm Limited**  
 (21) 2021902978

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(71) The University of Sydney  
 (21) 2021902954 (22) 13.09.2021  
 (54) Wireless communication protocol

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(71) Thomas, D.  
 (21) 2021902952 (22) 13.09.2021  
 (54) An electric motor

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(71) University of South Australia  
 (21) 2021902956 (22) 13.09.2021  
 (54) PHOTOTHERMAL EVAPORATION DEVICES AND METHODS FOR ENHANCING PHOTOTHERMAL EVAPORATION PERFORMANCE

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(71) van Dongen, C.; Champion, L.; Mackinlay, R.  
 (21) 2021902998 (22) 17.09.2021  
 (54) A Stator

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(71) Weir Minerals Australia Ltd  
 (21) 2021902968 (22) 15.09.2021  
 (54) Pump assembly monitoring method and system

---

(71) Woodward, R.  
 (21) 2021902959 (22) 13.09.2021  
 (54) Components to construct an automated vertical industrial hemp growing and processing facility inside a tower of stacked truncated icosahedrons

Numerical Index

<b>2021902907</b>	Gannon, M.; Gannon, R.	<b>2021902998</b>	van Dongen, C.; Champion, L.; Mackinlay, R.
<b>2021902908</b>	Gomez, R.	<b>2021902999</b>	E M Solutions Pty Ltd
<b>2021902929</b>	Hewett, J.	<b>2021903000</b>	Pagliari, K.
<b>2021902936</b>	Cementech Pty Ltd		
<b>2021902937</b>	David Bastians Family Trust, D.B.F.T.		
<b>2021902938</b>	Saluda Medical Pty Ltd		
<b>2021902939</b>	Optima Mining Systems Pty Ltd		
<b>2021902940</b>	O'Sullivan, J.; Rodionov, R.; Boger, S.B.; Lobenhoffer, J.M.		
<b>2021902941</b>	Mesoblast International Sarl		
<b>2021902942</b>	Kardi Holdings Pty Ltd		
<b>2021902943</b>	SafeOperate		
<b>2021902944</b>	Engaging Things		
<b>2021902945</b>	CONCRETE BARRIER CLEANING AUSTRALIA PTY LTD		
<b>2021902946</b>	Cripps Clark, J.		
<b>2021902947</b>	KRESTENSEN FAMILY HOLDINGS PTY LTD		
<b>2021902948</b>	Engaging Things		
<b>2021902949</b>	CRPS Solutions Pty Ltd		
<b>2021902950</b>	TekCyte Pty Ltd		
<b>2021902951</b>	Robinson, B.		
<b>2021902952</b>	Thomas, D.		
<b>2021902953</b>	Plowman, M.		
<b>2021902954</b>	The University of Sydney		
<b>2021902955</b>	Seed, Q.; Bertola, N.		
<b>2021902956</b>	University of South Australia		
<b>2021902957</b>	BrainConnect Pty Ltd		
<b>2021902958</b>	Heiniger Limited		
<b>2021902959</b>	Woodward, R.		
<b>2021902960</b>	MICROBA IP PTY LTD		
<b>2021902961</b>	KNORR-BREMSE AUSTRALIA PTY LTD		
<b>2021902962</b>	NURMI, I.		
<b>2021902963</b>	JSR IP Holdings Pty Ltd		
<b>2021902964</b>	Baraja Pty Ltd		
<b>2021902965</b>	Tannous, H.		
<b>2021902966</b>	Mariana Diamond Pty Ltd ATF The Trenchard Family Trust		
<b>2021902967</b>	Day, T.		
<b>2021902968</b>	Weir Minerals Australia Ltd		
<b>2021902969</b>	Smith, D.		
<b>2021902971</b>	Rebus Corporation Pty Ltd		
<b>2021902972</b>	Ciobanu, M.		
<b>2021902973</b>	Infinite Water Technologies Pty Ltd		
<b>2021902974</b>	iEP2 Research Pty Limited		
<b>2021902975</b>	The Quiet Company Pty Ltd		
<b>2021902977</b>	Bertani, R.L.		
<b>2021902978</b>	Nufarm Limited; The University of Queensland; Cotton Research and Development Corporation; Horticulture Innovation Australia Limited		
<b>2021902979</b>	Bowey, J.		
<b>2021902980</b>	Spark, I.		
<b>2021902981</b>	Gibson, F.		
<b>2021902982</b>	Grisbrook, R.		
<b>2021902983</b>	HUGHES ASSET GROUP PTY LTD		
<b>2021902984</b>	aurasonic		
<b>2021902985</b>	Breville Pty Limited		
<b>2021902986</b>	Electronics Boutique Australia Pty Limited		
<b>2021902987</b>	Performance Processing Pty Ltd		
<b>2021902988</b>	The Council of the Queensland Institute of Medical Research		
<b>2021902989</b>	Scolaro, A.		
<b>2021902990</b>	McGurgan, D.		
<b>2021902991</b>	3 AIM IP Pty Ltd		
<b>2021902993</b>	Chevallerau, M.		
<b>2021902994</b>	Brown & Watson International Pty Ltd		
<b>2021902995</b>	SF INTEGRITY PTY LTD		
<b>2021902996</b>	Ensitech IP Pty Ltd		
<b>2021902997</b>	Phillips, S.		

**Complete Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 14 Sep 2021 .

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

<hr/> <p>(71) Adobe Inc. (21) 2021225262 (22) 06.09.2021 (54) SCENE GRAPH MODIFICATION BASED ON NATURAL LANGUAGE COMMANDS (31) 17/087,943 (32) 03.11.20 (33) US</p> <hr/> <p>(71) Adobe Inc. (21) 2021229122 (22) 06.09.2021 (54) TEXT REFINEMENT NETWORK (31) 17/089,865 (32) 05.11.20 (33) US</p> <hr/> <p>(71) Adobe Inc. (21) 2021229124 (22) 06.09.2021 (54) DENOISING FOR INTERACTIVE MONTE-CARLO RENDERING USING PAIRWISE AFFINITY OF DEEP FEAT- URES (31) 17/093,852 (32) 10.11.20 (33) US</p> <hr/> <p>(71) Advanced New Technologies Co., Ltd. (21) 2021229188 (22) 08.09.2021 (54) Consensus node selection method and apparatus, and server (62) 2018321398</p> <hr/> <p>(71) Amazon Technologies, Inc. (21) 2021229223 (22) 09.09.2021 (54) Key export techniques (62) 2019203153</p> <hr/> <p><b>Ambrx, Inc. see Elanco US Inc.</b> (21) 2021229132</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2021225257 (22) 03.09.2021 (54) FRAUD DETECTION SYSTEM IN CASINO (62) 2020233633</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2021229153 (22) 07.09.2021 (54) A system and a method for administrat- ing a package of shuffled playing cards (62) 2016201363</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2021229225 (22) 09.09.2021 (54) Inspection system and management system (62) 2019253861</p>	<hr/> <p>(71) Apple Inc. (21) 2021229167 (22) 08.09.2021 (54) Device, method, and graphical user interface for providing navigation and search functionalities (62) 2020200105</p> <hr/> <p>(71) Architectural Window Systems Pty Ltd (21) 2021229239 (22) 10.09.2021 (54) Frame assembly (31) 2020903250 (32) 10.09.20 (33) AU</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2021229203 (22) 08.09.2021 (54) ELECTRONIC GAME SYSTEMS AND METHODS WITH A DYNAMIC WHEEL (31) 63/075,574 (32) 08.09.20 (33) US 17/373,266 12.07.21 US</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2021229226 (22) 09.09.2021 (54) Opto-Electronic Locking Assembly for Electronic Gaming Machines (31) 17/015,854 (32) 09.09.20 (33) US</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2021229253 (22) 10.09.2021 (54) CONTINUOUS SYMBOL SEQUENCE MECHANIS FOR RANDOM BASED GAME OUTCOMES (31) 63/077,502 (32) 11.09.20 (33) US 17/459,444 27.08.21 US</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2021229257 (22) 10.09.2021 (54) CREDIT-SUBSTITUTION SYMBOL MECHANICS FOR RANDOM BASED GAME OUTCOMES (31) 16/948,308 (32) 11.09.20 (33) US</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2021229259 (22) 10.09.2021 (54) CREDIT-SUBSTITUTION SYMBOL MECHANICS WITH REEL GROWTH FOR RANDOM BASED GAME OUT- COMES (31) 16/948,309 (32) 11.09.20 (33) US</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2021225254 (22) 03.09.2021</p>	<p>(54) SYSTEMS AND METHODS FOR PLAYING AN ELECTRONIC GAME INCLUDING A PATH BASED BONUS GAME (62) 2019253854</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2021225256 (22) 03.09.2021 (54) SYSTEMS AND METHODS FOR PLAYING AN ELECTRONIC BONUS GAME (62) 2019275667</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2021229211 (22) 09.09.2021 (54) ACTIVITY MONITORING</p> <hr/> <p>(71) ASPIRING MATERIALS LIMITED (21) 2021229168 (22) 08.09.2021 (54) Magnesium Silicate Processing (31) 17/407,931 (32) 20.08.21 (33) US</p> <hr/> <p>(71) ATI Properties LLC (21) 2021229130 (22) 06.09.2021 (54) HIGH STRENGTH TITANIUM ALLOYS (62) 2019266051</p> <hr/> <p>(71) Auris Health, Inc. (21) 2021229251 (22) 10.09.2021 (54) Process for percutaneous operations (62) 2016343849</p> <hr/> <p>(71) Azotic Technologies Ltd (21) 2021229228 (22) 10.09.2021 (54) Plant inoculation method (62) 2019283956</p> <hr/> <p>(71) Baxter Corporation Englewood (21) 2021229197 (22) 08.09.2021 (54) MANAGEMENT OF MEDICATION PREPARATION WITH DYNAMIC PRO- CESSING (62) 2015346537</p> <hr/> <p>(71) Beijing Tusen Zhitu Technology Co., Ltd. (21) 2021229181 (22) 08.09.2021 (54) On-board cabinet, autonomous driving device, and vehicle (31) 202021942451.4 (32) 08.09.20 (33) CN</p>
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Complete Applications Filed - Name Index cont'd

(71) Bellicum Pharmaceuticals, Inc.  
(21) 2021229189 (22) 08.09.2021  
(54) Methods for controlled activation or elimination of therapeutic cells  
(62) 2015362753

(71) Blackhawk Network, Inc.  
(21) 2021229141 (22) 06.09.2021  
(54) A system for payment via electronic wallet  
(62) 2019232775

(71) Blackmore Sensors & Analytics LLC  
(21) 2021229207 (22) 09.09.2021  
(54) LIDAR APPARATUS WITH ROTATING POLYGON DEFLECTOR HAVING REFRACTIVE FACETS  
(62) 2019418766

(71) Böme S.r.l.  
(21) 2021229129 (22) 06.09.2021  
(54) Thermostatic mixing valve with improved disinfecting device  
(31) 10202000021145 (32) 07.09.20 (33) IT

**Brien Holden Vision Institute see Novartis AG**  
(21) 2021229142

(71) Canon Kabushiki Kaisha  
(21) 2021229186 (22) 08.09.2021  
(54) Cartridge, and electrophotographic image forming apparatus which uses cartridge  
(62) 2020202771

(71) Cell Cure Neurosciences Ltd.  
(21) 2021229196 (22) 08.09.2021  
(54) METHODS OF TREATING RETINAL DISEASES  
(62) 2015373111

(71) CFPH, LLC  
(21) 2021229146 (22) 07.09.2021  
(54) ZONE DEPENDENT PAYOUT PERCENTAGE  
(62) 2020200926

(71) CFPH, LLC  
(21) 2021229231 (22) 10.09.2021  
(54) AMUSEMENT DEVICES AND GAMES INVOLVING PROGRESSIVE JACKPOTS  
(62) 2020201393

(71) CHANG, Y.  
(21) 2021229201 (22) 08.09.2021  
(54) SOLAR PANEL FOR PITCHED ROOF AND CONSTRUCTION METHOD THEREOF

(71) CHAO, S.  
(21) 2021229235 (22) 10.09.2021  
(54) System and method for recording attendance of a caregiver

(71) Chembio Diagnostic Systems, Inc.  
(21) 2021229173 (22) 08.09.2021  
(54) IMMUNOASSAY UTILIZING TRAPPING CONJUGATE  
(62) 2020201874

**Chevron U.S.A. Inc. see Silixa Ltd.**  
(21) 2021229179

(71) CRC-Evans Pipeline International, Inc.  
(21) 2021229209 (22) 09.09.2021  
(54) Rotating welding system and methods  
(62) 2015387441

(71) CRISM Pty Ltd  
(21) 2021229137 (22) 06.09.2021  
(54) Apparatus and Method for Coupling  
(62) 2019261691

(71) Crum, A.  
(21) 2021229136 (22) 06.09.2021  
(54) A method for side effect reduction in the use of statins via physiologically synthesized glutathione  
(62) 2015306676

(71) Daikin Industries, Ltd.  
(21) 2021229135 (22) 06.09.2021  
(54) Heat exchanger and refrigeration apparatus  
(62) 2018245192

(71) Daikin Industries, Ltd.  
(21) 2021229248 (22) 10.09.2021  
(54) Composition containing refrigerant, use of said composition, refrigerator having said composition, and method for operating said refrigerator  
(62) 2018392390

(71) Deco Australia Pty Ltd  
(21) 2021229260 (22) 10.09.2021  
(54) Waterproof Wall Cladding  
(62) 2016238976

(71) Deere & Company  
(21) 2021229157 (22) 07.09.2021  
(54) Machine control using a predictive speed map  
(31) 17/067,595 (32) 09.10.20 (33) US

(71) Deere & Company  
(21) 2021229159 (22) 07.09.2021

(54) Crop constituent map generation and control system  
(31) 17/067,350 (32) 09.10.20 (33) US

(71) Developing Software LLC  
(21) 2021229155 (22) 07.09.2021  
(54) Location based push notification and multi-user class social introduction  
(62) 2016332834

(71) Dexcom, Inc.  
(21) 2021229120 (22) 06.09.2021  
(54) Sensors for continuous analyte monitoring, and related methods  
(62) 2020201871

(71) Dexin Corporation  
(21) 2021225248 (22) 03.09.2021  
(54) Game Controller  
(31) 202021934288.7 (32) 07.09.20 (33) CN  
202110190061.9 18.02.21 CN

**Dimmock, M.S. see Stephen, C.**  
(21) 2021229217

(71) Drake, O.  
(21) 2021229243 (22) 10.09.2021  
(54) Dual Mode Vehicle that Operates on Both Guided Rails and Unguided Roadways  
(31) 17/125,259 (32) 17.12.20 (33) US

**E. I. du Pont de Nemours and Company see Pioneer Hi-Bred International, Inc.**  
(21) 2021229216

(71) Edwards Lifesciences CardiAQ LLC  
(21) 2021229222 (22) 09.09.2021  
(54) Actively controllable stent, stent graft, heart valve and method of controlling same  
(62) 2020202714

(71) Elanco US Inc.; Ambrx, Inc.  
(21) 2021229132 (22) 06.09.2021  
(54) Pegylated Porcine Interferon and Methods of Use Thereof  
(62) 2017280958

(71) Equashield Medical Ltd.  
(21) 2021229229 (22) 10.09.2021  
(54) Improved components of a fluid transfer apparatus  
(62) 2020227000

(71) Face International Corporation  
(21) 2021229230 (22) 10.09.2021  
(54) SYSTEMS AND METHODS FOR PRODUCING OBJECTS INCORPORATING SELECTABLY ACTIVE ELECTRO-



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MAGNETIC ENERGY FILTERING LAYERS  
(62) 2019204242

(71) FB Rice Pty Ltd; TSK Laboratory Europe B.V.  
(21) 2021229244 (22) 10.09.2021  
(54) Method for connecting two objects using a polymer composition and a system, for use in a cosmetic procedure  
(62) 2016350924

(71) Fonetix LLC  
(21) 2021229241 (22) 10.09.2021  
(54) System and method for encryption key management, federation and distribution  
(62) 2019226240

FUJIFILM Wako Pure Chemical Corporation see OSAKA UNIVERSITY  
(21) 2021229127

(71) Gigglicious, LLC  
(21) 2021229234 (22) 10.09.2021  
(54) TWO LAYER RECREATIONAL AIR-TIGHT OBJECT HAVING A PATTERNED ILLUMINATED SURFACE  
(62) 2016233907

Gillespie, J. see Neutron Therapeutics, Inc.  
(21) 2021229255

(71) Globe (Jiangsu) Co., Ltd.  
(21) 2021225253 (22) 03.09.2021  
(54) CHAIN SAW  
(31) 202022162268.9 (32) 28.09.20 (33) CN

(71) Goldman Sachs & Co. LLC  
(21) 2021229205 (22) 08.09.2021  
(54) GENERAL-PURPOSE PARALLEL COMPUTING ARCHITECTURE  
(62) 2020201520

(71) Gold Rythmn Pty Ltd  
(21) 2021229258 (22) 10.09.2021  
(54) METHOD AND APPARATUS FOR TAIL DOCKING OF SHEEP  
(31) 2020903247 (32) 10.09.20 (33) AU

(71) Grand Metal Aluminium Pty Ltd  
(21) 2021229149 (22) 07.09.2021  
(54) A quick fix interior cladding system  
(31) 2020903202 (32) 08.09.20 (33) AU

(71) GREE ELECTRIC APPLIANCES, INC.  
(21) 2021225259 (22) 04.09.2021  
(54) PHOTOVOLTAIC MODULE, INTEGRATED PHOTOVOLTAIC/PHOTO-

THERMAL MODULE AND MANUFACTURING METHOD THEREOF  
(62) 2020202105

(71) Gupta, K.  
(21) 2021229264 (22) 11.09.2021  
(54) 1. The app/system will integrate key partners (Public transport/Cab/Taxis system, ride-share, food delivery, car rentals, and various e-commerce businesses) apps for fast, efficient, and cost-effective transport, food deliveries, ride share, car rental and e-commerce services by providing ease of access and comprehensive compared fares, reviews, and instant booking in one place to the potential customers. 2. Another system also provides bookings, estimated fare prices, real-time tracking of Public Transport Services like Bus, Train, Ferries, Trams and will be integrated in above system.

(71) Hanmi Pharm. Co., Ltd  
(21) 2021225249 (22) 03.09.2021  
(54) IGG4 FC Fragment Comprising Modified Hinge Region  
(62) 2020202581

(71) Heraeus Medical GmbH  
(21) 2021229154 (22) 07.09.2021  
(54) Implant for local active ingredient release  
(31) 20199745.9 (32) 02.10.20 (33) EP

(71) Honeywell International Inc.  
(21) 2021229202 (22) 08.09.2021  
(54) Replication of identity-derived primary keys without range restrictions  
(62) 2018260632

(71) HONEYWELL INTERNATIONAL INC.  
(21) 2021229183 (22) 08.09.2021  
(54) SELF-HEALING PROCESS CONTROL SYSTEM  
(31) 16/948,565 (32) 23.09.20 (33) US

(71) HONEYWELL INTERNATIONAL INC.  
(21) 2021229184 (22) 08.09.2021  
(54) ULTRASONIC TRANSDUCER HEALTH STATUS MONITOR FIELD  
(31) 17/025,685 (32) 18.09.20 (33) US

(71) Huawei Technologies Co., Ltd.  
(21) 2021229180 (22) 08.09.2021  
(54) Search region for motion vector refinement  
(62) 2017421655

(71) Huawei Technologies Co., Ltd.  
(21) 2021229220 (22) 09.09.2021

(54) IMAGE PROCESSING METHOD AND DEVICE  
(62) 2017435234

Humabs Biomed SA see MedImmune, LLC  
(21) 2021229138

(71) Illumina, Inc.  
(21) 2021229125 (22) 06.09.2021  
(54) Hybrid Nanopore Sensors  
(62) 2015296551

(71) Illumina, Inc.  
(21) 2021229126 (22) 06.09.2021  
(54) Hybrid Nanopore Sensors  
(62) 2015296551

(71) Illumina, Inc.  
(21) 2021229139 (22) 06.09.2021  
(54) Predicting Structured Illumination Parameters  
(62) 2019283788

(71) IMMUNOGENESIS, INC.  
(21) 2021229128 (22) 06.09.2021  
(54) AZIRIDINE CONTAINING DNA ALKYLATING AGENTS  
(62) 2016282785

Jarsky, S. see Pacific, J.  
(21) 2021229140

(71) Johnson & Johnson Consumer Inc.  
(21) 2021229206 (22) 09.09.2021  
(54) Methods for enhancing topical application of a benefit agent  
(62) 2016328990

(71) Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation  
(21) 2021229178 (22) 08.09.2021  
(54) Information processing apparatus, information processing method, non-transitory computer readable medium, and information processing system  
(31) 2021-044050 (32) 17.03.21 (33) JP

(71) Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation  
(21) 2021229185 (22) 08.09.2021  
(54) Acid gas removal control apparatus, acid gas removal control method, and acid gas removing apparatus  
(31) 2020-153278 (32) 11.09.20 (33) JP

(71) Komatsu Ltd.  
(21) 2021229162 (22) 07.09.2021  
(54) Vehicle management device, vehicle management method, and program  
(62) 2018299303

Complete Applications Filed - Name Index cont'd

<p>(71) Komatsu Ltd. (21) 2021229163 (22) 07.09.2021 (54) Parameter identifying device, simulation device, and parameter identifying method (62) 2018305075</p>	<p>(54) Eye imaging with an off-axis imager (62) 2016326384</p>	<p>(71) Nacuity Pharmaceuticals, Inc.; The Johns Hopkins University (21) 2021225263 (22) 06.09.2021 (54) TREATMENT OF RETINITIS PIGMENTOSA WITH N-ACETYLCYSTEINE AMIDE (62) 2019261762</p>
<p>(71) Kriz, M. (21) 2021229213 (22) 09.09.2021 (54) A system for the daily activities for the logbooks of Security Officers in the Security Industry</p>	<p>(71) Magic Leap, Inc. (21) 2021229224 (22) 09.09.2021 (54) Methods and systems for providing augmented reality content for treatment of macular degeneration (62) 2020203809</p>	<p>(71) Navico Holdings AS (21) 2021229158 (22) 07.09.2021 (54) SIDESCAN SONAR IMAGING SYSTEM (62) 2019226150</p>
<p>(71) Kyoto University; OTSUKA CHEMICAL CO., LTD. (21) 2021229164 (22) 07.09.2021 (54) Method for producing multibranched polymer and multibranched polymer (62) 2017259457</p>	<p>(71) MAMMOTH INDUSTRIES PTY LTD (21) 2021229236 (22) 10.09.2021 (54) SOFT CLOSER ADJUSTMENT MECHANISM FOR A SLIDING PANEL INSTALLATION (31) 2020903261 (32) 11.09.20 (33) AU 2020904121 11.11.20 AU</p>	<p>(71) Neutron Therapeutics, Inc.; Park Jr., W.; Lambert, M.; Gillespie, J.; Smick, N.; Sakase, T. (21) 2021229255 (22) 10.09.2021 (54) Method and system for surface modification of substrate for ion beam target (62) 2017417478</p>
<p>Lambert, M. see Neutron Therapeutics, Inc. (21) 2021229255</p>	<p>(71) Marine Acquisition (US) Incorporated (21) 2021229215 (22) 09.09.2021 (54) Steering apparatuses and actuator apparatuses (31) 63/076,286 (32) 09.09.20 (33) US</p>	<p>(71) Nicoventures Trading Limited (21) 2021229156 (22) 07.09.2021 (54) Liquid tobacco extract (62) 2018267919</p>
<p>(71) Landmark Graphics Corporation (21) 2021229161 (22) 07.09.2021 (54) Method for slim hole single trip remedial or plug and abandonment cement barrier (62) 2016415289</p>	<p>(71) Mazor Robotics Ltd. (21) 2021229198 (22) 08.09.2021 (54) Multifunctional surgical tool and system (31) 63/078,724 (32) 15.09.20 (33) US 17/407,637 20.08.21 US</p>	<p>(71) Nimbus Lakshmi, Inc. (21) 2021225251 (22) 03.09.2021 (54) TYK2 inhibitors and uses thereof (62) 2017342464</p>
<p>(71) Lecky, T. (21) 2021225260 (22) 05.09.2021 (54) Dent Guard to shield against automobile panel dents.</p>	<p>(71) MedImmune, LLC; Humabs Biomed SA (21) 2021229138 (22) 06.09.2021 (54) NEUTRALIZING ANTI-INFLUENZA A ANTIBODIES AND USES THEREOF (62) 2019261828</p>	<p>(71) Nine IP Limited (21) 2021229175 (22) 08.09.2021 (54) NETTING MATERIAL (62) 2019203771</p>
<p>(71) LEMONEX INC. (21) 2021229131 (22) 06.09.2021 (54) Composition for delivering physiologically active ingredients into blood vessel (62) 2018308332</p>	<p>(71) Minerva Neurosciences, Inc. (21) 2021229240 (22) 10.09.2021 (54) Compositions comprising 2-((1-(2-(4-Fluorophenyl)-2-oxoethyl)piperidin-4-yl)methyl)isoindolin-1-one for treating schizophrenia (62) 2020204286</p>	<p>(71) NOMURA RESEARCH INSTITUTE, LTD. (21) 2021229174 (22) 08.09.2021 (54) Apparatus and system for zero-knowledge proof performed in multi-party computation (31) 2021-063738 (32) 02.04.21 (33) JP</p>
<p>(71) LG Electronics Inc. (21) 2021229242 (22) 10.09.2021 (54) Laundry treating apparatus (62) 2019312559</p>	<p>(71) Monchiero &amp; C. S.N.C. (21) 2021229191 (22) 08.09.2021 (54) Method and harvesting machine for harvesting fruits from the ground (31) 102020000021472 (32) 10.09.20 (33) IT</p>	<p>(71) NOMURA RESEARCH INSTITUTE, LTD. (21) 2021229176 (22) 08.09.2021 (54) Product sales system (31) 2020-196288 (32) 26.11.20 (33) JP 2020-196289 26.11.20 JP</p>
<p>(71) LivePerson, Inc. (21) 2021229246 (22) 10.09.2021 (54) Dynamic code management (62) 2020233671</p>	<p>(71) Monchiero &amp; C. S.N.C. (21) 2021229192 (22) 08.09.2021 (54) Harvesting machine for harvesting fruits from the ground and method of control of the same (31) 102020000021481 (32) 10.09.20 (33) IT</p>	<p>(71) Novartis AG; Brien Holden Vision Institute (21) 2021229142 (22) 06.09.2021 (54) MYOPIA CONTROL MEANS (62) 2019204866</p>
<p>(71) Magic Leap, Inc. (21) 2021229210 (22) 09.09.2021 (54) Ultra-high resolution scanning fiber display (62) 2020200440</p>	<p>(71) Motion Asia Pacific Pty Limited (21) 2021229249 (22) 10.09.2021 (54) A sealing ring</p>	<p>(71) OSAKA UNIVERSITY; FUJIFILM Wako Pure Chemical Corporation (21) 2021229127 (22) 06.09.2021</p>
<p>(71) Magic Leap, Inc. (21) 2021229218 (22) 09.09.2021</p>		

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(54) Tim protein-bound carrier, methods for obtaining, removing and detecting extracellular membrane vesicles and viruses using said carrier, and kit including said carrier  
(62) 2015356180

**OTSUKA CHEMICAL CO., LTD. see Kyoto University**  
(21) 2021229164

(71) Pacific, J.; Jarsky, S.  
(21) 2021229140 (22) 06.09.2021  
(54) Method of testing products  
(62) 2018261523

(71) Pal Lighting LLC  
(21) 2021229200 (22) 08.09.2021  
(54) DIRECT WIRELESS CONTROL OF LIGHTING SYSTEMS FOR USE IN A HIGH-MOISTURE ENVIRONMENT  
(62) 2020205322

**Park Jr., W. see Neutron Therapeutics, Inc.**  
(21) 2021229255

(71) Patel, M.  
(21) 2021225255 (22) 03.09.2021  
(54) Compositions, kits, and methods to provide synergistic and/or additive effects from comprised ingredients for the prevention, treatment and management of nausea and vomiting.

(71) PerkinElmer Health Sciences, Inc.  
(21) 2021229187 (22) 08.09.2021  
(54) MANIFOLDS AND METHODS OF USING THEM TO CONTROL FLUID FLOWS  
(62) 2019232898

(71) Phasebio Pharmaceuticals, Inc.  
(21) 2021229233 (22) 10.09.2021  
(54) ELP fusion proteins for controlled and sustained release  
(62) 2015349743

(71) Pioneer Hi-Bred International, Inc.; E. I. du Pont de Nemours and Company  
(21) 2021229216 (22) 09.09.2021  
(54) AGRICULTURAL SYSTEMS, COMPOSITIONS AND METHODS FOR INCREASING CROP YIELD  
(62) 2017238123

(71) Regeneron Pharmaceuticals, Inc.  
(21) 2021229121 (22) 06.09.2021  
(54) Cell culture process for making a glycoprotein  
(62) 2018298039

(71) Regeneron Pharmaceuticals, Inc.  
(21) 2021229250 (22) 10.09.2021  
(54) Methods for treating allergy and enhancing allergen-specific immunotherapy by administering an IL-4r inhibitor  
(62) 2019204577

(71) Rising Connection Pty Ltd  
(21) 2021229134 (22) 06.09.2021  
(54) RACKING SYSTEM FOR CELLULAR HARDWARE

(71) Rodriguez, E.  
(21) 2021225261 (22) 06.09.2021  
(54) Scrummaging Safety Coaching

(71) RTC Industries, Inc.  
(21) 2021229208 (22) 09.09.2021  
(54) Low voltage power system for a merchandise display  
(62) 2019212621

(71) SAIC MOTOR Corporation Limited  
(21) 2021229190 (22) 08.09.2021  
(54) VEHICLE ENGINE CONTROL METHOD AND VEHICLE BODY CONTROL MODULE  
(31) 202011190046.6 (32) 30.10.20 (33) CN

**Sakase, T. see Neutron Therapeutics, Inc.**  
(21) 2021229255

(71) Sanexen Environmental Services Inc.  
(21) 2021229133 (22) 06.09.2021  
(54) A method and system for pressure pipe drilling cement-mortar lined and coated steel cylinders  
(31) 63/080,022 (32) 18.09.20 (33) US

(71) Silixa Ltd.; Chevron U.S.A. Inc.  
(21) 2021229179 (22) 08.09.2021  
(54) MULTI-PHASE FLOW-MONITORING WITH AN OPTICAL FIBER DISTRIBUTED ACOUSTIC SENSOR  
(62) 2016304389

(71) Simpson Strong-Tie Company  
(21) 2021229119 (22) 06.09.2021  
(54) Moment frame connector  
(62) 2019204645

**Smick, N. see Neutron Therapeutics, Inc.**  
(21) 2021229255

(71) Sofradim Production  
(21) 2021229182 (22) 08.09.2021  
(54) System and method for early detection of post-surgery infection  
(62) 2020200006

(71) Solpod Pty Ltd  
(21) 2021229254 (22) 10.09.2021  
(54) A Mounting System for Photo-Voltaic Modules  
(31) 2020903265 (32) 11.09.20 (33) AU

(71) Space Pte. Ltd.  
(21) 2021229123 (22) 06.09.2021  
(54) AI-BASED SOFTWARE SERVICE TO SHAVE ELECTRICITY CONSUMPTION PEAK  
(31) 1020209796Y (32) 01.10.20 (33) SG

(71) Spartan Chemical Company, Inc.  
(21) 2021229263 (22) 11.09.2021  
(54) Antimicrobial Sacrificial Floor Coating Systems  
(62) 2017203824

(71) SPIRAL GALAXY PUBLICATIONS PTY. LTD.  
(21) 2021229193 (22) 08.09.2021  
(54) A NOVEL METHOD OF ELECTRO-ENCEPHALOGRAPH AND MAGNETOENCEPHALOGRAPH ANALYSIS FOR NEURODIAGNOSTICS AND THE TARGETTING OF ELECTROPHYSICAL IMPULSE SIGNALLING WITHIN BRAIN-COMPUTER INTERFACING, NEUROPROSTHETICS OR NEURAL THERAPIES  
(31) 2020903223 (32) 09.09.20 (33) AU

(71) STAXX PTY LTD  
(21) 2021229227 (22) 10.09.2021  
(54) Exercise Device  
(31) 2020903316 (32) 16.09.20 (33) AU

(71) Stephen, C.; Dimmock, M.S.  
(21) 2021229217 (22) 09.09.2021  
(54) Hydrogen transportation and storage system  
(31) 2021901200 (32) 22.04.21 (33) AU

(71) Stryker Corporation  
(21) 2021225258 (22) 03.09.2021  
(54) MANIFOLD FOR MEDICAL WASTE COLLECTION DEVICE  
(62) 2019275512

(71) SU, C.  
(21) 2021229256 (22) 10.09.2021  
(54) Fixing Device of Nasogastric Tube  
(31) 109135090 (32) 12.10.20 (33) TW

(71) Sungrow Power Supply Co., Ltd.  
(21) 2021232772 (22) 16.09.2021  
(54) Method and device for primary frequency modulation in new energy power generation  
(31) 202011267910.8 (32) 13.11.20 (33) CN

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- (71) Techtronic Cordless GP  
(21) 2021229195 (22) 08.09.2021  
(54) Systems and methods for chainsaw lubricant delivery control
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- (71) Terra Quantum AG  
(21) 2021229219 (22) 09.09.2021  
(54) HYBRID QUANTUM COMPUTATION ARCHITECTURE FOR SOLVING QUADRATIC UNCONSTRAINED BINARY OPTIMIZATION PROBLEMS  
(31) 20199028.0 (32) 29.09.20 (33) EP
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- (71) THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY  
(21) 2021229232 (22) 10.09.2021  
(54) Transposition into native chromatin for personal epigenomics  
(62) 2019200289
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- (71) The Climate Corporation  
(21) 2021229238 (22) 10.09.2021  
(54) Ponding water detection on satellite imagery  
(62) 2016326330
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- The Johns Hopkins University see Nacuity Pharmaceuticals, Inc.**  
(21) 2021225263
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- (71) The NOCO Company  
(21) 2021229221 (22) 09.09.2021  
(54) Rechargeable battery jump starting device with a dual battery diode bridge system  
(62) 2018335282
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- Toshiba Energy Systems & Solutions Corporation see Kabushiki Kaisha Toshiba**  
(21) 2021229178
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- Toshiba Energy Systems & Solutions Corporation see Kabushiki Kaisha Toshiba**  
(21) 2021229185
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- (71) Touch Networks Australia Pty Ltd  
(21) 2021229147 (22) 07.09.2021  
(54) Identification system and method  
(62) 2015337846
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- (71) TRACTO-TECHNIK GmbH & Co. KG  
(21) 2021229145 (22) 07.09.2021  
(54) DRIVE AND PROCEDURE TO OPERATE DRIVE OF A EARTH DRILLING DEVICE  
(31) 102020005981.3 (32) 30.09.20 (33) DE
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- (71) TRACTO-TECHNIK GmbH & Co. KG  
(21) 2021229148 (22) 07.09.2021
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- (54) CONTROLLABLE DRILL HEAD  
(31) 102020005980.5 (32) 30.09.20 (33) DE
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- (71) Transportation IP Holdings, LLC  
(21) 2021229144 (22) 07.09.2021  
(54) DRIVE SYSTEM  
(31) 63/077,267 (32) 11.09.20 (33) US  
17/458,166 26.08.21 US
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- (71) Transtech Research Pty Ltd  
(21) 2021229150 (22) 07.09.2021  
(54) A FREIGHT VEHICLE  
(31) 2020903570 (32) 02.10.20 (33) AU
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- (71) Tsai, Y.  
(21) 2021225252 (22) 03.09.2021  
(54) VAGINAL SPECULUM
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- TSK Laboratory Europe B.V. see FB Rice Pty Ltd**  
(21) 2021229244
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- (71) TWI Biotechnology, Inc.  
(21) 2021229177 (22) 08.09.2021  
(54) Diacerein or rhein topical formulations and uses thereof  
(62) 2016287636
- 
- (71) United States Gypsum Company  
(21) 2021229169 (22) 08.09.2021  
(54) COMPOSITE GYPSUM BOARD AND METHODS RELATED THERETO  
(62) 2016284331
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- (71) United States Gypsum Company  
(21) 2021229170 (22) 08.09.2021  
(54) COMPOSITE GYPSUM BOARD AND METHODS RELATED THERETO  
(62) 2016284331
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- (71) United States Gypsum Company  
(21) 2021229171 (22) 08.09.2021  
(54) COMPOSITE GYPSUM BOARD AND METHODS RELATED THERETO  
(62) 2016284331
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- (71) University of Massachusetts  
(21) 2021225250 (22) 03.09.2021  
(54) NEGATIVE PRESSURE WOUND CLOSURE DEVICE  
(62) 2020202961
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- (71) Vorwerk & Co. Interholding GmbH  
(21) 2021229194 (22) 08.09.2021  
(54) System with food processor and method  
(31) 20202271.1 (32) 16.10.20 (33) EP
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- (71) Vorwerk & Co. Interholding GmbH  
(21) 2021229245 (22) 10.09.2021
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- (54) System with holder and piercing food thermometer, and holder  
(31) 102020214049.9 (32) 09.11.20 (33) DE
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- (71) Vyaire Medical Consumables LLC  
(21) 2021229199 (22) 08.09.2021  
(54) Airway adapters and suction catheter systems  
(62) 2019283928
- 
- (71) Weber, P.  
(21) 2021229166 (22) 07.09.2021  
(54) APPARATUS AND SYSTEMS FOR MINIMALLY INVASIVE DISSECTION OF TISSUES  
(62) 2021204373
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- (71) Whichello, D.  
(21) 2021229265 (22) 12.09.2021  
(54) Process for improving boat propeller propulsion and power
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- (71) WhiteHawk CEC Inc.  
(21) 2021229151 (22) 07.09.2021  
(54) Decision support system and methods associated with same  
(62) 2018219291
- 
- (71) William Marsh Rice University  
(21) 2021229212 (22) 09.09.2021  
(54) MICROBIAL SYNTHESIS OF ISOPRENOID PRECURSORS, ISOPRENOIDS AND DERIVATIVES INCLUDING PRENYLATED AROMATICS COMPOUNDS  
(62) 2017232529
- 
- (71) XL Hybrids  
(21) 2021229152 (22) 07.09.2021  
(54) MODULAR ENERGY STORAGE APPARATUS, SYSTEMS, AND METHODS  
(31) 17/018,449 (32) 11.09.20 (33) US

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2021229245 Vorwerk & Co. Interholding GmbH  
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Applications listed below were processed through the Patent Office Canberra during the period ending 14 Sep 2021 .  
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

<hr/> <p>(71) 8ME NOVA, LLC (21) 2021107535 (22) 01.09.2021 (54) METHOD FOR IMPLEMENTING POWER DELIVERY TRANSACTION FOR POTENTIAL ELECTRICAL OUTPUT OF INTEGRATED RENEWABLE ENERGY SOURCE AND ENERGY STORAGE SYSTEM FACILITY (62) 2020389481</p> <hr/> <p>(71) Buggy Enterprises Pty Ltd (21) 2021107534 (22) 31.08.2021 (54) A COMPOSITION FOR PET FOOD AND METHOD OF PRODUCING THE SAME (62) 2021106849</p> <hr/> <p><b>Cao, C. see Zhejiang University of Technology</b> (21) 2021107479</p> <hr/> <p>(71) CSR Building Products Limited (21) 2021107537 (22) 03.09.2021 (54) METHOD OF ASSEMBLING A BUILDING COMPONENT (62) 2016200381</p> <hr/> <p>(71) Deka Australia Pty Ltd (21) 2021107556 (22) 16.09.2021 (54) A ceiling fan assembly (62) 2021103062</p> <hr/> <p>(71) Group One Limited (21) 2021107541 (22) 07.09.2021 (54) TENNIS LET DETECTION SYSTEM WITH SHOT CLOCK CONTROL (62) 2021209276</p> <hr/> <p>(71) Hing, T. (21) 2021107524 (22) 25.08.2021 (54) COMBINATION SUCTION, IRRIGATION AND FLUID DEPOSITION DEVICE</p> <hr/> <p>(71) HITIQ LIMITED (21) 2021107527 (22) 30.08.2021 (54) INSTRUMENTED MOUTHGUARD DEVICES AND COMPONENTS CONFIGURED FOR USE IN INSTRUMENTED MOUTHGUARD DEVICES (62) 2020219864</p>	<p>(71) HITIQ LIMITED (21) 2021107528 (22) 30.08.2021 (54) TECHNOLOGY ADAPTED TO FACILITATE USER-SPECIFIC CALIBRATION OF INSTRUMENTED MOUTHGUARD DEVICES, INCLUDING CALIBRATION METHODS FOR INSTRUMENTED MOUTHGUARD DEVICES (62) 2020219864</p> <hr/> <p>(71) HITIQ LIMITED (21) 2021107529 (22) 30.08.2021 (54) TECHNOLOGY ADAPTED FOR IMPROVED ASSESSMENT OF COGNITIVE FUNCTION IN A HUMAN SUBJECT, INCLUDING ASSESSMENT OF COGNITIVE FUNCTION AFFECTED BY BRAIN INJURIES SUSTAINED DURING SPORTING ACTIVITIES (62) 2020219864</p> <hr/> <p>(71) HITIQ LIMITED (21) 2021107530 (22) 30.08.2021 (54) A PROTECTIVE MOUTHGUARD DEVICE CONFIGURED TO ENABLE MEASUREMENT OF CIRCULATORY SYSTEM PARAMETERS (62) 2021221577</p> <hr/> <p>(71) HONG, W.; Summit Trade &amp; Investment Pty Ltd (21) 2021107522 (22) 25.08.2021 (54) ADDITIVE MANUFACTURED PORTABLE UV-C DISINFECTION LIGHT</p> <hr/> <p>(71) Inspiring Ministries Ltd (21) 2021105265 (22) 11.08.2021 (54) MEDICAL AID/WEDGE (31) 2021900803 (32) 18.03.21 (33) AU</p> <hr/> <p>(71) Interpod Holdings Pty Ltd (21) 2021107523 (22) 25.08.2021 (54) A sanitary fitting</p> <hr/> <p>(71) IP Incubator Pty Ltd (21) 2021107199 (22) 25.08.2021 (54) FOOTWEAR AND FOOTWEAR ACCESSORIES CONFIGURED TO PROVIDE INSTRUCTIONAL SIGNALS INDICATING CORRECT USAGE (31) 2021901640 (32) 01.06.21 (33) AU</p> <hr/> <p>(71) IP Incubator Pty Ltd (21) 2021107224 (22) 25.08.2021</p>	<p>(54) A TOY CONFIGURED TO ENABLE COMICAL WEAPONIZATION OF FLATULENCE (31) 2021900211 (32) 01.02.21 (33) AU</p> <hr/> <p>(71) Kariyapperuma Athukoralalage Don, A.L.K. (21) 2021107516 (22) 25.08.2021 (54) TICKET PURCHASING PLATFORM WITH REALISTIC END USER EXPERIENCE USING AN IMPORTED 3D IMAGE/ OBJECT</p> <hr/> <p>(71) Lawson, P. (21) 2021107533 (22) 31.08.2021 (54) A building panel (62) 2020202744</p> <hr/> <p>(71) Limco Group Pty Ltd (21) 2021107546 (22) 09.09.2021 (54) Shower base (62) 2018241063</p> <hr/> <p>(71) LU, Y.Q. (21) 2021107525 (22) 26.08.2021 (54) A HOUSING ASSEMBLY FOR AN EMERGENCY LIGHT AND AN EMERGENCY LIGHT INCLUDING THE SAME (62) 2021221504</p> <hr/> <p>(71) Ocean University of China (21) 2021107435 (22) 25.08.2021 (54) Method for extracting edible fish sperm DNA (31) 202110802304.X (32) 15.07.21 (33) CN</p> <hr/> <p>(71) OUTOTEC (FINLAND) OY (21) 2021107549 (22) 13.09.2021 (54) X-RAY FLUORESCENCE ANALYZER, AND A METHOD FOR PERFORMING X-RAY FLUORESCENCE ANALYSIS (62) 2018419251</p> <hr/> <p>(71) OUTOTEC (FINLAND) OY (21) 2021107550 (22) 13.09.2021 (54) X-RAY FLUORESCENCE ANALYZER, AND A METHOD FOR PERFORMING X-RAY FLUORESCENCE ANALYSIS (62) 2018419252</p> <hr/> <p>(71) OUTOTEC (FINLAND) OY (21) 2021107551 (22) 13.09.2021 (54) X-RAY FLUORESCENCE ANALYZER SYSTEM AND A METHOD FOR PER-</p>
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Innovation Patent Applications Filed - Name Index cont'd

FORMING X-RAY FLUORESCENCE  
ANALYSIS OF AN ELEMENT OF IN-  
TEREST IN SLURRY

(62) 2019254727

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(71) Reflex Industries Asia Pacific Pty Ltd

(21) 2021107181 (22) 25.08.2021

(54) METHOD AND SYSTEM FOR AC-  
QUIRING GEOLOGICAL DATA FROM  
A BORE HOLE

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Summit Trade & Investment Pty Ltd see

HONG, W.

(21) 2021107522

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(71) Superlift Garage Door Openers Ltd

(21) 2021107423 (22) 25.08.2021

(54) Barrier Opening Systems

(31) 2021902769 (32) 25.08.21 (33) AU

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(71) Third Zeton IP Pty Ltd

(21) 2021107536 (22) 01.09.2021

(54) A double road train vehicle

(62) 2019203909

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(71) Toymonster International Limited

(21) 2021107430 (22) 25.08.2021

(54) PORTABLE CLOTHES LINE

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(71) Zhejiang University of Technology; Cao,  
C.

(21) 2021107479 (22) 25.08.2021

(54) TTP-Based Trust Transfer Mechanism  
in the Online Shopping Environment



**Numerical Index**

<b>2021105265</b>	Inspiring Ministries Ltd	<b>2021107528</b>	HITIQ LIMITED
<b>2021107181</b>	Reflex Industries Asia Pacific Pty Ltd	<b>2021107529</b>	HITIQ LIMITED
<b>2021107199</b>	IP Incubator Pty Ltd	<b>2021107530</b>	HITIQ LIMITED
<b>2021107224</b>	IP Incubator Pty Ltd	<b>2021107533</b>	Lawson, P.
<b>2021107423</b>	Superlift Garage Door Openers Ltd	<b>2021107534</b>	Buggy Enterprises Pty Ltd
<b>2021107430</b>	Toymonster International Limited	<b>2021107535</b>	8ME NOVA, LLC
<b>2021107435</b>	Ocean University of China	<b>2021107536</b>	Third Zeton IP Pty Ltd
<b>2021107479</b>	Zhejiang University of Technology; Cao, C.	<b>2021107537</b>	CSR Building Products Limited
<b>2021107516</b>	Kariyapperuma Athukoralalage Don, A.L.K.	<b>2021107541</b>	Group One Limited
<b>2021107522</b>	HONG, W.; Summit Trade & Investment Pty Ltd	<b>2021107546</b>	Limco Group Pty Ltd
<b>2021107523</b>	Interpod Holdings Pty Ltd	<b>2021107549</b>	OUTOTEC (FINLAND) OY
<b>2021107524</b>	Hing, T.	<b>2021107550</b>	OUTOTEC (FINLAND) OY
<b>2021107525</b>	LU, Y.Q.	<b>2021107551</b>	OUTOTEC (FINLAND) OY
<b>2021107527</b>	HITIQ LIMITED	<b>2021107556</b>	Deka Australia Pty Ltd

**Applications with amended filing dates Reg 3.5(A).**

- 2021104533 **Tyagi, S.; Srivastava, A.; Singh, P.; Saxena, G.; Tiwari, S.; Talreja, S.** The filing date has been amended to 06.08.2021
- 2021104698 **Khandige, P.S.; Tyagi, S.; Singh, S.P.; Gautam, S.; Vatsa, E.; Bhardwaj, N.** The filing date has been amended to 09.08.2021
- 2021105127 **Huaiyin Institute of Agricultural Sciences in Xuhuai area of Jiangsu Province; huaiyin normal university** The filing date has been amended to 10.08.2021

**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)
  
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- B Applications on which a direction to request examination has been given
- C Applications on which examination has been requested or on which an examination report has been issued
- D Applications which have been accepted or advertised accepted
- E Patents on which an examination has not been requested
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- 2002022985 ( 14 )    2002218161 ( 14 )    2002223537 ( 14 )
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- 2003200821 ( 14 )    2003205449 ( 14 )    2003208211 ( 14 )
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- 2004200262 ( 14 )    2004203202 ( 14 )    2004217110 ( 14 )
- 2004217200 ( 14 )    2004218443 ( 14 )    2004220074 ( 14 )
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**2015**

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**2016**

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**2019**

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**2020**

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**2021**

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 2021225165 ( 12AN ) 2021229202 ( 12AN )

**Assignments before Grant, Section 113**

**2015**

2015286820 TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz gGmbH; BioNTech RNA Pharmaceuticals GmbH The application has been assigned to **BioNTech SE; TRON - Translationale Onkologie an der**

**Assignments before Grant, Section 113**

**Universitätsmedizin der Johannes Gutenberg-Universität Mainz gGmbH**

**2016**

2016217965 TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz gGmbH; BioNTech RNA Pharmaceuticals GmbH The application has been assigned to **BioNTech SE; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz gGmbH**

**2017**

2017212269 Dai Nippon Printing Co., Ltd. The application has been assigned to **Kikkoman Corporation**

2017236239 TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz gemeinnützige GmbH; BioNTech RNA Pharmaceuticals GmbH The application has been assigned to **BioNTech SE; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz gemeinnützige GmbH**

2017236240 TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz gemeinnützige GmbH; BioNTech RNA Pharmaceuticals GmbH The application has been assigned to **BioNTech SE; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz gemeinnützige GmbH**

2017238300 Korott, S.L.; Bionou Research, S.L.; Biopolis, S.L. The application has been assigned to **Bionou Research, S.L.; Biopolis, S.L.**

2017251983 BioNTech RNA Pharmaceuticals GmbH The application has been assigned to **BioNTech SE**

2017261354 Exicure, Inc. The application has been assigned to **Exicure Operating Company**

2017261357 Exicure, Inc. The application has been assigned to **Exicure Operating Company**

2017261360 Exicure, Inc. The application has been assigned to **Exicure Operating Company**

2017264546 TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz gemeinnützige GmbH; BioNTech RNA Pharmaceuticals GmbH The application has been assigned to **BioNTech SE; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz gemeinnützige GmbH**

2017267625 Teleflex Life Sciences Unlimited Company The application has been assigned to **Teleflex Life Sciences LLC**

2017274071 Watkins, Robert The application has been assigned to **Evolution Industries IP Pty Ltd**

2017274195 Cloudbreak Therapeutics, LLC The application has been assigned to **ADS Therapeutics LLC**

**Assignments before Grant, Section 113**

2017274197 Cloudbreak Therapeutics, LLC The application has been assigned to **ADS Therapeutics LLC**

2017283710 Nuseed Pty Ltd. The application has been assigned to **Nuseed Nutritional Australia Pty Ltd**

2017286800 Nuseed Pty Ltd. The application has been assigned to **Nuseed Nutritional Australia Pty Ltd**

2017299162 BioNTech RNA Pharmaceuticals GmbH The application has been assigned to **BioNTech SE**

2017358069 Navbit Holdings Pty Limited The application has been assigned to **Vivid Surgical Pty Ltd**

2017361116 PromisePay Pty. Ltd. The application has been assigned to **mx51 Pty Ltd**

**2018**

2018228643 Convotherm-Elektrogeräte GmbH The application has been assigned to **Welbilt Deutschland GmbH**

2018230952 Commonwealth Scientific and Industrial Research Organisation; Nuseed Pty Ltd. The application has been assigned to **Nuseed Nutritional Australia Pty Ltd; Commonwealth Scientific and Industrial Research Organisation**

2018240421 TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH; BioNTech RNA Pharmaceuticals GmbH The application has been assigned to **BioNTech SE; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH**

2018263371 Ceox Ltd The application has been assigned to **Ceox Technologies Ltd**

2018279117 BioNTech RNA Pharmaceuticals GmbH The application has been assigned to **BioNTech SE**

2018350846 BioNTech RNA Pharmaceuticals GmbH The application has been assigned to **BioNTech SE**

2018390371 Ove Arup Ventures Limited The application has been assigned to **Artus Air Limited**

**2019**

2019232144 AnaBio Technologies Ltd. The application has been assigned to **Nuabiome Limited**

2019232145 AnaBio Technologies Ltd. The application has been assigned to **Nuabiome Limited**

2019258468 Ampsource Biopharma Shanghai Inc.; Sichuan Kelun-Biotech Biopharmaceutical Co., Ltd. The application has been assigned to **Ampsource Biopharma Shanghai Inc.**

2019275637 BioNTech RNA Pharmaceuticals GmbH; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz gemeinnützige GmbH The application has been assigned to **BioNTech SE; TRON - Translationale Onkologie**

**Assignments before Grant, Section 113**

**an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz gemeinnützige GmbH**

2019353930 BioNTech RNA Pharmaceuticals GmbH; Johannes Gutenberg-Universität Mainz The application has been assigned to **BioNTech SE; Johannes Gutenberg-Universität Mainz**

2019408916 Wecorp Ltd The application has been assigned to **Sting Industries Ltd**

**2020**

2020202152 TRON-Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH; BioNTech RNA Pharmaceuticals GmbH The application has been assigned to **BioNTech SE; TRON-Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH**

2020207859 GVA Consultants AB The application has been assigned to **Kellogg Brown & Root LLC**

2020289909 East China University of Science and Technology The application has been assigned to **TAO PHARMACEUTICAL (SUZHOU) CO., LTD**

2020903207 Nexgen Plants Pty Ltd The application has been assigned to **The University of Western Australia**

2020903208 Nexgen Plants Pty Ltd The application has been assigned to **The University of Western Australia**

**2021**

2021107293 Beijing ShiYuan Technology Co., Ltd. The application has been assigned to **Beijing Power Investment ShiYuan Technology Co., Ltd**

2021202404 Teleflex Life Sciences Unlimited Company The application has been assigned to **Teleflex Life Sciences LLC**

2021206886 TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz GmbH; BioNTech RNA Pharmaceuticals GmbH The application has been assigned to **BioNTech SE; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz GmbH**

2021218184 AnaBio Technologies Limited The application has been assigned to **Nuabiome Limited**

2021900293 Navbit Pty Ltd The application has been assigned to **Vivid Surgical Pty Ltd**

2021901869 Roberts, Clayton; Ingrey, Raymond The application has been assigned to **WRI Industries Pty Ltd**

**Extensions of Time, Section 223**

**Applications Received**

**Extensions of Time, Section 223**

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.

**2005**

2005301082 **Benson Medical Services Pty Ltd** An application to extend the time from 16 Aug 2019 to 16 Aug 2021 in which to pay a renewal fee has been filed . Address for service - Benson Medical Services Pty Ltd PO BOX 4363 Bundaberg South QLD 4670 AU

**2008**

2008200075 **PSA Products Pty Ltd** An application to extend the time from 08 Jan 2018 to 08 Jun 2021 in which to pay a renewal fee has been filed . Address for service - PSA Products Pty Ltd PSA House 17 Millicent Street Burwood VIC 3125 AU

**2017**

2017398645 **WheelRight Limited** An application to extend the time from 13 Feb 2021 to 13 Sep 2021 in which to pay a continuation fee has been filed . Address for service - FB Rice Pty Ltd Level 23 44 Market Street SYDNEY NSW 2000 AU

**2019**

2019201136 **Mindera Corporation; The Scripps Research Institute** An application to extend the time from 13 Dec 2020 to 13 Aug 2021 in which to pay a renewal fee has been filed . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

**2020**

2020202729 **Canva Pty Ltd** An application to extend the time from 12 May 2019 to 01 May 2020 in which to extend the time to file a complete application within the grace period . Address for service - FPA Patent Attorneys Pty Ltd ANZ Tower 161 Castlereagh Street Sydney NSW 2000 AU

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

**2015**

2015255307 **Vitragroup Pty Ltd** The time in which to pay a continuation fee has been extended to 13 Jun 2021 . Address for service - KANJI GROUP PTY. LIMITED Level 33, Aurora Place 88 Phillip Street SYDNEY NSW 2000 AU

**2016**

2016364597 **Daewoong Co., Ltd.** The time in which to pay a renewal fee has been extended to 23 Jun 2021 . Address for service - FB Rice Pty Ltd Level 23 44 Market Street Sydney NSW 2000 AU

**2019**

2019200378 **Impact Management Group Pty Ltd** The time in which to pay a continuation fee and gain acceptance has been extended to 06 Oct 2021 . Address for service - Coleman Greig Lawyers Pty Ltd PO Box 260 Parramatta NSW 2124 AU

2019250231 **BIOCONSORTIA, INC.** The time in which to pay a continuation fee has been extended to 19 May 2021 . Address for service - Ribeiro IP Limited C/O Target Accounting Ltd 7 Gladstone Road South Mosgiel Otago 9024 NZ

**Extensions of Time, Section 223**

2019401166 **ECOLIBRIUM BIOLOGICALS HOLDINGS LIMITED; FORD, Stephen Reynold; TREADWELL, Michael; SIGDEL, Ankita; KIMBLE, Bernard** The time in which to enter the National Phase has been extended to 21 Sep 2021 . Address for service - Zone Patents Limited 109 Willis Street Wellington 6011 NZ

**Section 223(1) Allowances**

**2018**

2018102160 **Milwaukee Electric Tool Corporation** The time in which to pay a renewal fee has been extended to 02 Sep 2021

**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**

2014266991 Security documents and methods of manufacture **De La Rue International Limited** The nature of the amendment is as shown in the statement(s) filed 18 Aug 2021 . Address for service - Davies Collision Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2015**

2015231130 Compositions for modulating Ataxin 2 expression **Ionis Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement(s) filed 01 Sep 2021 . Address for service - RnB IP Pty Ltd PO Box 9530 DEAKIN ACT 2600 AU

2015266665 Detecting fetal sub-chromosomal aneuploidies and copy number variations **Verinata Health, Inc.** The nature of the amendment is as shown in the statement(s) filed 09 Sep 2021 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2016**

2016338478 Magnetic assemblies and processes for producing optical effect layers comprising oriented non-spherical magnetic or magnetizable pigment particles **SICPA HOLDING SA** The nature of the amendment is as shown in the statement(s) filed 26 Aug 2021 . Address for service - Shelston IP Pty Ltd. L 9 60 Margaret St Sydney NSW 2000 AU

2016369490 Targeted disruption of the T cell receptor **Sangamo Therapeutics, Inc.** The nature of the amendment is as shown in the statement(s) filed 08 Sep 2021 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

**2017**

2017217783 Fuel additives **BP Oil International Limited** The nature of the amendment is as shown in the statement(s) filed 10

**Amendments**

Sep 2021 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2017234150 Compositions and methods for phosphoramidite and oligonucleotide synthesis **Wave Life Sciences Ltd.** The nature of the amendment is: Amend the name of the inventor to read Butler, David Charles Donnell; Marappan, Subramanian and Paik, Ik-Hyeon . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2017269945 Expandable centre arrangement **Johnson Matthey Public Limited Company** The nature of the amendment is: Amend the name of the inventor to read Whittenberger, Joseph W.; Podojil III, Frank James and Whittenberger, William Alan . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2017271849 Packaged mix for fried food **Nisshin Foods Inc.** The nature of the amendment is as shown in the statement(s) filed 27 Aug 2021 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

**2018**

2018203687 Improved methods for manufacturing adoptive cell therapies **Bluebird Bio, Inc.** The nature of the amendment is as shown in the statement(s) filed 20 Aug 2021 . Address for service - Davies Collision Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2019**

2019216686 System for organizing and displaying information on a display device **Dizmo AG** The nature of the amendment is as shown in the statement(s) filed 14 Sep 2021 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2019256936 Secure aggregate order system, secure computation apparatus, secure aggregate order method, and program **Nippon Telegraph and Telephone Corporation** The nature of the amendment is as shown in the statement(s) filed 25 Aug 2021 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

**Amendments Made**

**2012**

2012335663 **Array BioPharma Inc.** The nature of the amendment is: To amend the applicant name to Array BioPharma Inc.

**2013**

2013295771 **Array BioPharma Inc.** The nature of the amendment is: To amend the patentee name to Array BioPharma Inc.

2013299841 **Array BioPharma Inc.** The nature of the amendment is: To amend the patentee name to Array BioPharma Inc.

**2014**

2014203662 **Rite-Hite Holding Corporation** The nature of the amendment is: Amend the name of the inventor to read Pinkalla, Cary; Heim, Frank; Stephan, Irene E.; Gebke, Kevin J.; Jacobson, Michael A.; Kaufman, Nicholas L. and Niehaus, William A.

**Amendments**

2014233805 **Array BioPharma Inc.** The nature of the amendment is: To amend the patentee name to Array BioPharma Inc.

2014308980 **Singular Bio, Inc.** The nature of the amendment is as shown in the statement filed 16 Jun 2021

**2015**

2015364415 **Regeneron Pharmaceuticals, Inc.** The nature of the amendment is: Amend the name of the co-inventor to read Purcell, Lisa A.

**2016**

2016255769 **Visa International Service Association** The nature of the amendment is as shown in the statement filed 11 Jun 2021

2016262131 **Sidcon Fabrications Pty Ltd** The nature of the amendment is: Amend the name of the inventor to read Sciulli, Cesidio

2016275135 **Cala Health, Inc.** The nature of the amendment is as shown in the statement filed 25 Jun 2021

**2017**

2017229220 **YSI, Inc.** The nature of the amendment is as shown in the statement filed 22 Jun 2021

**2018**

2018248439 **Goldman Sachs & Co. LLC** The nature of the amendment is as shown in the statement filed 09 Jun 2021

2018261003 **Voyager Therapeutics, Inc.** The nature of the amendment is: Amend the name of the co-inventor to read SHU, Yanqun

2018294386 **Interroll Holding AG** The nature of the amendment is as shown in the statement(s) filed 06 Sep 2021

2018325442 **Dana-Farber Cancer Institute, Inc.** The nature of the amendment is: To remove the name of co-applicant John M. Hatcher

2018344737 **Mayekawa Mfg. Co., Ltd.** The nature of the amendment is as shown in the statement filed 16 Jun 2021

2018344738 **Mayekawa Mfg. Co., Ltd.** The nature of the amendment is as shown in the statement filed 16 Jun 2021

**2019**

2019211239 **ETISON LLC dba CLICKFUNNELS** The nature of the amendment is: To amend the applicant name to ETISON LLC dba CLICKFUNNELS

2019232913 **Sequenom, Inc.** The nature of the amendment is: Amend the name of the inventor to read Dzakula, Zeljko; Deciu, Cosmin; Tynan, John Allen and Hogg, Grant

2019246867 **Juul Labs, Inc.** The nature of the amendment is: Amend the name of the inventor to read MONSEES, James; BOWEN, Adam; HATTON, Cole; CHRISTENSEN, Steven; ATKINS, Ariel; HIB-MACRONAN, Christopher Nicholas and MORENSTEIN, Joshua

**Amendments**

2019261426 **Cedars Sinai Medical Center; Prometheus Biosciences, Inc.** The nature of the amendment is: To add the name of a co-applicant as Cedars Sinai Medical Center

2019261426 **Cedars Sinai Medical Center; Prometheus Biosciences, Inc.** The nature of the amendment is: Add the names of co-inventors Billsborough, Janine; Henkle, Bradley and Targan, Stephan

2019272065 **Illumina, Inc.** The nature of the amendment is as shown in the statement filed 15 Jun 2021

2019284085 **LG Electronics Inc.** The nature of the amendment is: Amend the invention title to read Cleaner

2019284358 **Monsanto Technology LLC** The nature of the amendment is: To add the name of co-inventor Chen, Humphrey Hsinchen

2019309757 **TYME, Inc** The nature of the amendment is: Amend the priority details to read 62/695,613 09 Jul 2018 US

2019312379 **Fremonta Corporation; The United States of America as represented by The Secretary of Agriculture; Arthur, T.; Wheeler, T.; Wilhelmsen, E.; Wu, F.; Huang, Y.; Wu, A.** The nature of the amendment is: Amend the name of the co-inventor to read Wu, Wei

2019320945 **F. Hoffmann-La Roche AG** The nature of the amendment is as shown in the statement filed 10 Jun 2021

2019343131 **Icahn School of Medicine at Mount Sinai; The Methodist Hospital** The nature of the amendment is: Add the name of a co-inventor to read PAN, Ping-Ying

2019387433 **Vibrosonic GmbH; Med-EI Elektromedizinische Geräte GmbH** The nature of the amendment is: Amend the name of the inventor to read FRITZSCHE, Tobias; KALTENBACHER, Dominik; SCHÄCHTELE, Jonathan; STROBL, Florian; THEURING, Martin; WILDENSTEIN, Daniela; SCHURZIG, Daniel and HESSIER, Roland

2019407321 **Ed. Züblin Aktiengesellschaft** The nature of the amendment is: To add the name of co-inventor Weber, Peter

2019448601 **Intuit Inc.** The nature of the amendment is: Amend the invention title to read Privacy preserving oracle

**2020**

2020100835 **Icon23 Pty Ltd** The nature of the amendment is: Delete the name of the inventor MACDONALD, Brian and add the name as inventor to Seale, Dallyn

2020104461 **Ocean University of China** The nature of the amendment is: To amend the applicant name to Ocean University of China

2020204331 **Gu, W.** The nature of the amendment is: Application is to proceed under the number 2020104463

2020211684 **Merck Patent GmbH** The nature of the amendment is as shown in the statement filed 16 Aug 2021

**Amendments**

2020213872 **Metabolomic Diagnostics Limited** The nature of the amendment is: Amend the name of the co-inventor to read THOMAS, Grégoire

2020214490 **Vivo Mobile Communication Co.,Ltd.** The nature of the amendment is: Amend the invention title to read Information Transmission Method, Information Detection Method, Terminal Device, and Network Device

2020225236 **MATISA Materiel Industriel SA** The nature of the amendment is: Amend the invention title to read Mobile device for heating a rail of a railroad using infrared-radiation electric lamps, and associated heating method

2020229477 **Swinburne University of Technology** The nature of the amendment is: Amend the name of the co-inventor to read Jia, Bao-hua

2020245058 **Sensor Kinesis Corporation** The nature of the amendment is: To remove co-applicant names Yehoshua Shachar and Marlon Thomas

2020259542 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read AN ENCODER, A DECODER AND CORRESPONDING METHODS HARMONIZING MATRIX-BASED INTRA PREDICTION AND SECONDARY TRANSFORM CORE SELECTION

2020349274 **Canon Kabushiki Kaisha** The nature of the amendment is: Amend the invention title to read Toner cartridge and image forming apparatus

2020903090 **The University of Melbourne; Rubicon Research Pty Ltd** The nature of the amendment is: To add co-applicant name The University of Melbourne

**2021**

2021102884 **Harbin Institute of Technology** The nature of the amendment is: Amend the order of the inventor names to read LI, Zhao; DAI, Jingmin; ZHANG, Qirui and CHEN, Yang

2021103778 **Qingdao Agricultural University** The nature of the amendment is: Amend the name of the inventor to read LI, Hegang and ZHANG, Quanwei

2021106117 **Rite-Hite Holding Corporation** The nature of the amendment is: Application is to proceed under number 2021234004

2021106873 **San Miguel Yamamura Woven Products Sdn Bhd** The nature of the amendment is: Amend the name of the inventor to read Soon, Tan Teck; San, Teh Khar and Wei, Yam Kah

2021106908 **SparkLauncher Pty Ltd** The nature of the amendment is: Application is to proceed under number 2021232754

2021107453 **Illinois Tool Works Inc.** The nature of the amendment is: Application is to proceed under number 2021232748

2021107495 **Illinois Tool Works Inc.** The nature of the amendment is: Application is to proceed under number 2021232749

**Amendments**

2021200691 **BISSELL Inc.** The nature of the amendment is: Application is to proceed under the number 2021107554

2021204394 **TRACTO-TECHNIK GmbH & Co. KG** The nature of the amendment is: Application is to proceed under the number 2021107553

2021221434 **SHARPE, R.** The nature of the amendment is: To amend the applicant name to read RAYMOND JOHN SHARPE

2021221464 **Riway (Singapore) Pte. Ltd.** The nature of the amendment is: Application is to proceed under the number 2021107558

2021900417 **Emerald Planet Environmental Pty Ltd** The nature of the amendment is: Application is to proceed under number 2021236433

2021902740 **HelpPay Pty Ltd** The nature of the amendment is: Add the name of co-inventor Cameron, Craig

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

**2006**

2006291958 **Macram Pty Ltd** The name of the patentee has been altered to **Innovative Equestrian Pty Ltd**

**2009**

2009352080 **Epitech Group S.r.l.** The name of the patentee has been altered to **Epitech Group S.p.A.**

**2012**

2012327209 **Epitech Group S.r.l.** The name of the patentee has been altered to **Epitech Group S.p.A.**

**2015**

2015202575 **Epitech Group S.r.l.** The name of the patentee has been altered to **Epitech Group S.p.A.**

**2016**

2016100133 **SURTRON TECHNOLOGIES (AUSTRALIA) PTY LTD** The name of the patentee has been altered to **Kinetic Logging Services Pty Ltd**

**2017**

2017238172 **Elstar Therapeutics, Inc.** The name of the applicant has been altered to **Marengo Therapeutics, Inc.**

2017331277 **Elstar Therapeutics, Inc.** The name of the applicant has been altered to **Marengo Therapeutics, Inc.**

**2018**

2018256406 **Elstar Therapeutics, Inc.** The name of the applicant has been altered to **Marengo Therapeutics, Inc.**

2018260545 **Elstar Therapeutics, Inc.** The name of the applicant has been altered to **Marengo Therapeutics, Inc.**



**Amendments**

2018267537 Accenture Global Solutions Limited The name of the applicant has been altered to **Accenture Global Services Limited; Accenture Global Solutions Limited**

2018364335 Epiontis GmbH The name of the applicant has been altered to **PRECISION FOR MEDICINE GmbH**

2018372544 Crunchfish Proximity AB The name of the applicant has been altered to **Crunchfish Digital Cash AB**

**2019**

2019211237 ClickFunnels The name of the applicant has been altered to **ETISON LLC dba CLICKFUNNELS**

2019222874 Astellas Pharma Inc.; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz gGmbH The name of the applicant has been altered to **Astellas Pharma Inc.; TRON-Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz gemeinnützige GmbH**

2019240615 THE CHAMBERLAIN GROUP, INC. The name of the applicant has been altered to **THE CHAMBERLAIN GROUP LLC**

2019297451 Elstar Therapeutics, Inc. The name of the applicant has been altered to **Marengo Therapeutics, Inc.**

2019308625 Meishan Shunying Power Battery Materials Co. Ltd The name of the applicant has been altered to **Sichuan Shunying Power Battery Material Co. Ltd.**

2019310838 Meishan Shunying Power Battery Materials Co. Ltd The name of the applicant has been altered to **Sichuan Shunying Power Battery Material Co. Ltd.**

2019350100 Meishan Shunying Power Battery Materials Co. Ltd The name of the applicant has been altered to **Sichuan Shunying Power Battery Material Co. Ltd.**

2019383937 Rimini Street, Inc. The name of the applicant has been altered to **Rimini Street, Inc.**

2019388551 Ghost Robotics LLC The name of the applicant has been altered to **Ghost Robotics Corporation**

2019390220 Crunchfish Proximity AB The name of the applicant has been altered to **Crunchfish Digital Cash AB**

**2020**

2020214427 Hanwha Azdel, Inc. The name of the applicant has been altered to **Hanwa Azdel, Inc.**

2020214836 Hanwha Azdel Inc. The name of the applicant has been altered to **Hanwa Azdel Inc.**

2020245058 Sensor Kinesis Corporation The name of the applicant has been altered to **AUTONOMOUS MEDICAL DEVICES INCORPORATED**

**Amendments**

**2021**

2021106099 Zhuzhou Ruideer Metallurgy Equipments Co. The name of the applicant has been altered to **Zhuzhou Ruideer Metallurgy Equipments Co. Ltd**

2021106804 Sichuan Academy of Animal Science; Sichuan Xuke Biological Development Co. LTD The name of the applicant has been altered to **Sichuan Animtech Biological Development Co., Ltd; Sichuan Academy of Animal Science**

2021107188 Industrial Workwear Pty Ltd The name of the applicant has been altered to **Digiart Australia Pty Ltd ATF The Incredibles Trust; Industrial Workwear Pty Ltd**

2021902334 Pastro-Custom AG The name of the applicant has been altered to **PASTRO-CUSTOM AG Pty Ltd**

2021902362 Vanessa Cullen; Huia Hana Adkins; Julien Zambrano Vesga The name of the applicant has been altered to **Vanessa Cullen; Julian Zambrano Vesga; Huia Hana Adkins**

2021902898 Cannvalate Pty Ltd The name of the applicant has been altered to **AlternaMed Pty Ltd**

2021902899 Cannvalate Pty Ltd The name of the applicant has been altered to **AlternaMed Pty Ltd**

2021902901 Cannvalate Pty Ltd The name of the applicant has been altered to **AlternaMed Pty Ltd**

Applications Open to Public Inspection

Name Index

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

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(71) 3-D Matrix, Ltd.  
 (11) AU-A-2021225225  
 (21) 2021225225 (22) 03.09.2021  
 (54) Preventing biological tissue adhesion  
 (51) Int. Cl.

**A61L 31/04** ( 2006.01 )  
**A61L 31/14** ( 2006.01 )

(43) 30.09.2021  
 (62) 2017232540  
 (72) Kobayashi, Satoru  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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(71) A60N Group Pty Ltd  
 (11) AU-A-2020201836  
 (21) 2020201836 (22) 12.03.2020  
 (54) a shroud for use in the prevention of calcareous build up, marine growth and sedimentary deposits for systems in subsea environments which are protected by cathodic protection systems.

(51) Int. Cl.  
**F16L 58/00** ( 2006.01 )  
**C23F 13/06** ( 2006.01 )  
**C23F 13/10** ( 2006.01 )  
**E21B 33/037** ( 2006.01 )  
**F16K 15/00** ( 2006.01 )  
 (43) 30.09.2021  
 (72) Georgeson, Paul Michell; Erdal, Skjalg; Hitchmough, Thomas James  
 (74) Daniel Bryan Taylor

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(71) Acceleron Pharma Inc.  
 (11) AU-A-2021225201  
 (21) 2021225201 (22) 02.09.2021  
 (54) Methods for increasing thermogenic adipocytes

(51) Int. Cl.  
**C07K 14/705** ( 2006.01 )  
**A61K 38/18** ( 2006.01 )  
**A61P 3/00** ( 2006.01 )

(43) 30.09.2021  
 (62) 2019203342  
 (72) Knopf, John; Seehra, Jasbir; Kumar, Ravindra  
 (74) Shelston IP Pty Ltd.

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(71) Adimab, LLC  
 (11) AU-A-2021225195  
 (21) 2021225195 (22) 01.09.2021  
 (54) Methods for purifying heterodimeric multispecific antibodies from parental homodimeric antibody species

(51) Int. Cl.  
**C07K 1/16** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61K 39/44** ( 2006.01 )  
**B01D 15/36** ( 2006.01 )  
**B01J 20/282** ( 2006.01 )

**B01J 39/08** ( 2017.01 )  
**C12P 21/08** ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2016245887  
 (72) Nett, Juergen Hermann; Wittrup, K. Dane; Vasquez, Maximiliano  
 (74) FB Rice Pty Ltd

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(71) ADVERUM BIOTECHNOLOGIES, INC.  
 (11) AU-A-2021225178  
 (21) 2021225178 (22) 01.09.2021  
 (54) Treatment of AMD using AAV2 variant with aflibercept

(51) Int. Cl.  
**A61K 35/761** ( 2015.01 )  
**A61K 48/00** ( 2006.01 )  
**A61P 27/02** ( 2006.01 )  
**C12N 15/09** ( 2006.01 )  
**C12N 15/861** ( 2006.01 )

(43) 30.09.2021  
 (62) 2017286673  
 (72) Blumenkranz, Mark; Gasmii, Mehdi  
 (74) AJ PARK

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(71) AEye, Inc.  
 (11) AU-A-2021225236  
 (21) 2021225236 (22) 03.09.2021  
 (54) ADAPTIVE LADAR RECEIVER

(51) Int. Cl.  
**G01S 7/481** ( 2006.01 )  
**G01S 7/486** ( 2020.01 )  
**G01S 7/489** ( 2006.01 )  
**G01S 17/02** ( 2020.01 )  
**G01S 17/06** ( 2006.01 )  
**G01S 17/08** ( 2006.01 )  
**G01S 17/42** ( 2006.01 )  
**G01S 17/89** ( 2020.01 )

(43) 30.09.2021  
 (62) 2017221438  
 (72) Dussan, Luis; Steinhardt, Allan; Cook, David  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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**Agenus Inc. see Merck Sharp & Dohme Corp.**  
 (21) 2021225143

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(71) Agriculture Victoria Services Pty Ltd  
 (11) AU-A-2021225232  
 (21) 2021225232 (22) 03.09.2021  
 (54) NOVEL ENDOPHYTES (4)

(51) Int. Cl.  
**C12N 1/14** ( 2006.01 )  
**A01H 15/00** ( 2006.01 )  
**C12R 1/645** ( 2006.01 )

(43) 30.09.2021  
 (62) 2019200890  
 (72) Spangenberg, German Carlos; Guthridge, Kathryn Michaela; Forster,

John White; Sawbridge, Timothy Ivor; Ludlow, Emma Jane Isobel; Kaur, Jatinder; Rochfort, Simone Jane; Rabbinovich, Maia Andrea; Ekanayake, Piyumi  
 (74) Jones Tulloch

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(71) Air Products and Chemicals, Inc.  
 (11) AU-A-2021201501  
 (21) 2021201501 (22) 10.03.2021  
 (54) LNG PRODUCTION WITH NITROGEN REMOVAL

(51) Int. Cl.  
**F25J 3/02** ( 2006.01 )  
**F25J 1/02** ( 2006.01 )

(31) 16/818,168 (32) 13.03.20 (33) US  
 (43) 30.09.2021  
 (72) VOVARD, SYLVAIN; BUKOWSKI, JUSTIN DAVID; CHEN, FEI; ROBERTS, MARK JULIAN  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Air Supplies Holland B.V.  
 (11) AU-A-2021201450  
 (21) 2021201450 (22) 05.03.2021  
 (54) Climate control unit and system comprising the same

(51) Int. Cl.  
**F25B 49/02** ( 2006.01 )  
**F24F 3/00** ( 2006.01 )  
**F24F 3/14** ( 2006.01 )  
**F25B 41/34** ( 2021.01 )  
**F25B 41/42** ( 2021.01 )

(31) 2025130 (32) 13.03.20 (33) NL  
 (43) 30.09.2021  
 (72) van de Oudeweetering, Ronald  
 (74) Spruson & Ferguson

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(71) Alexion Pharmaceuticals, Inc.  
 (11) AU-A-2021225134  
 (21) 2021225134 (22) 30.08.2021  
 (54) Methods and compositions for treating complement-associated disorders

(51) Int. Cl.  
**C07K 16/24** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )

(43) 30.09.2021  
 (62) 2019226178  
 (72) Rother, Russell P.; Bedrosian, Camille; Squinto, Stephen P.; Bell, Leonard  
 (74) Shelston IP Pty Ltd.

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(71) ALSTOM Transport Technologies  
 (11) AU-A-2021201509  
 (21) 2021201509 (22) 10.03.2021  
 (54) Electronics rack and vehicle comprising such a rack

(51) Int. Cl.

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**H05K 7/14** ( 2006.01 )  
**(31)** 20 02407 **(32)** 11.03.20 **(33)** FR  
**(43)** 30.09.2021  
**(72)** ZANETTI, Adrien  
**(74)** Davies Collison Cave Pty Ltd

**Ambrx, Inc. see Elanco US Inc.**

**(21)** 2021229132

**(71)** Angel Group Co., Ltd.  
**(11)** AU-A-2021225257  
**(21)** 2021225257 **(22)** 03.09.2021

**(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)** 30.09.2021  
**(62)** 2020233633  
**(72)** Shigeta, Yasushi  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Angel Group Co., Ltd.  
**(11)** AU-A-2021229153  
**(21)** 2021229153 **(22)** 07.09.2021  
**(54)** A system and a method for administering a package of shuffled playing cards

**(51)** Int. Cl.  
**A63F 1/14** ( 2006.01 )  
**A63F 1/02** ( 2006.01 )  
**A63F 1/10** ( 2006.01 )  
**A63F 1/12** ( 2006.01 )  
**G06K 19/00** ( 2006.01 )

**(43)** 30.09.2021  
**(62)** 2016201363  
**(72)** SHIGETA, Yasushi  
**(74)** FB Rice Pty Ltd

**(71)** Apple Inc.  
**(11)** AU-A-2020239725  
**(21)** 2020239725 **(22)** 24.09.2020  
**(54)** Devices, methods, and graphical user interfaces for interacting with user interface objects corresponding to applications

**(51)** Int. Cl.  
**G06F 3/048** ( 2013.01 )  
**(31)** 62/987,870 **(32)** 10.03.20 **(33)** US  
 62/987,871 11.03.20 US  
 63/008,656 10.04.20 US  
 63/023,237 11.05.20 US  
 63/041,993 21.06.20 US

**(43)** 30.09.2021  
**(72)** TYLER, William M.; STACK, Caelan G.; DALONZO, Christian X.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Apple Inc.  
**(11)** AU-A-2020239731  
**(21)** 2020239731 **(22)** 24.09.2020  
**(54)** Devices, methods, and graphical user interfaces for interacting with user interface objects corresponding to applications

**(51)** Int. Cl.  
**G06F 13/00** ( 2006.01 )  
**(31)** 62/987,870 **(32)** 10.03.20 **(33)** US  
 62/987,871 11.03.20 US  
 63/008,656 10.04.20 US  
 63/023,237 11.05.20 US  
 63/041,993 21.06.20 US

**(43)** 30.09.2021  
**(72)** TYLER, William M.; STACK, Caelan G.; FOSS, Christopher P.; FEDERIGHI, Craig M.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Apple Inc.  
**(11)** AU-A-2020239732  
**(21)** 2020239732 **(22)** 24.09.2020

**(54)** Devices, methods, and graphical user interfaces for interacting with user interface objects corresponding to applications

**(51)** Int. Cl.  
**G06F 5/00** ( 2006.01 )  
**(31)** 62/987,870 **(32)** 10.03.20 **(33)** US  
 62/987,871 11.03.20 US  
 63/008,656 10.04.20 US  
 63/023,237 11.05.20 US  
 63/041,993 21.06.20 US

**(43)** 30.09.2021  
**(72)** TYLER, William M.; STACK, Caelan G.; DALONZO, Christian X.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Apple Inc.  
**(11)** AU-A-2021229167  
**(21)** 2021229167 **(22)** 08.09.2021  
**(54)** Device, method, and graphical user interface for providing navigation and search functionalities

**(51)** Int. Cl.  
**G06F 3/0485** ( 2013.01 )  
**G06F 3/0488** ( 2013.01 )

**(43)** 30.09.2021  
**(62)** 2020200105  
**(72)** KARUNAMUNI, Chanaka G.; CHAUDHRI, Imran  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Applied Medical Resources Corporation  
**(11)** AU-A-2021225129  
**(21)** 2021225129 **(22)** 30.08.2021

**(54)** Electrosurgical system  
**(51)** Int. Cl.  
**A61B 18/12** ( 2006.01 )  
**A61B 18/14** ( 2006.01 )

**(43)** 30.09.2021  
**(62)** 2020201543  
**(72)** ELLIOTT, Patrick; JOHNSON, Gary; NGUYEN, Duy; MCFARLAND, Daniel; SABARAD, Jagdish; LINVILLE-ENGLER, Benjamin; ALBRECHT, Jeremy; DURANT, Dan; KOWALSKI, Jerry; TIBERIA, Lou; WHITLOCK, Michael; LOGAN, Michael; GORIN, Igor; HUDSON, Kevin; JACOBS, Hank; MATTHEWS, Thomas

**(74)** Griffith Hack

**(71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2021225254

**(21)** 2021225254 **(22)** 03.09.2021  
**(54)** SYSTEMS AND METHODS FOR PLAYING AN ELECTRONIC GAME INCLUDING A PATH BASED BONUS GAME

**(51)** Int. Cl.  
**A63F 13/00** ( 2014.01 )

**(43)** 30.09.2021  
**(62)** 2019253854  
**(72)** SANTUCCI, Lorin; TUOMEY, Thomas; KIM, Aiden  
**(74)** Griffith Hack

**(71)** Aristocrat Technologies Australia Pty Limited

**(11)** AU-A-2021225256  
**(21)** 2021225256 **(22)** 03.09.2021  
**(54)** SYSTEMS AND METHODS FOR PLAYING AN ELECTRONIC BONUS GAME

**(51)** Int. Cl.  
**G07F 17/32** ( 2006.01 )  
**A63F 13/00** ( 2014.01 )

**(43)** 30.09.2021  
**(62)** 2019275667  
**(72)** BOLLING, T. Grant; CASEY, Michael P.  
**(74)** Griffith Hack

**(71)** ASSIA SPE, LLC  
**(11)** AU-A-2021225221  
**(21)** 2021225221 **(22)** 03.09.2021  
**(54)** Systems and methods for implementing high-speed waveguide transmission over wires

**(51)** Int. Cl.  
**H04L 1/20** ( 2006.01 )  
**H04L 1/24** ( 2006.01 )  
**H04L 25/02** ( 2006.01 )  
**H04L 25/40** ( 2006.01 )  
**H04L 25/49** ( 2006.01 )

**(43)** 30.09.2021  
**(62)** 2018263932  
**(72)** CIOFFI, John Matthew; KERPEZ, Kenneth J.; HWANG, Chan-Soo; KANEL-LAKOPOULOS, Ioannis  
**(74)** Griffith Hack

**(71)** ATI Properties LLC  
**(11)** AU-A-2021229130  
**(21)** 2021229130 **(22)** 06.09.2021  
**(54)** HIGH STRENGTH TITANIUM ALLOYS

**(51)** Int. Cl.  
**C22C 14/00** ( 2006.01 )  
**C22F 1/18** ( 2006.01 )

**(43)** 30.09.2021  
**(62)** 2019266051  
**(72)** GARCIA-AVILA, Matias; MANTIONE, John V.; ARNOLD, Matthew J.  
**(74)** K&L Gates

**(71)** Bayer HealthCare LLC  
**(11)** AU-A-2021225235  
**(21)** 2021225235 **(22)** 03.09.2021

Applications Open to Public Inspection - Name Index cont'd

(54) System and method for syringe fluid fill verification and image recognition of power injector system features  
 (51) Int. Cl.  
*A61M 5/145* ( 2006.01 )  
*A61M 5/00* ( 2006.01 )  
*A61M 5/142* ( 2006.01 )  
*A61M 5/178* ( 2006.01 )  
*A61M 5/30* ( 2006.01 )  
*A61M 5/307* ( 2006.01 )  
*A61M 5/31* ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2016315634  
 (72) Cowan, Kevin P.; Spohn, Michael A.; McDermott, Michael; Grubic, Herbert M.; Phalen, Henry  
 (74) Davies Collison Cave Pty Ltd

(71) BeulahWorks, LLC  
 (11) AU-A-2021225210  
 (21) 2021225210 (22) 02.09.2021  
 (54) Knowledge capture and discovery system  
 (51) Int. Cl.  
*G06F 16/20* ( 2019.01 )  
 (43) 30.09.2021  
 (62) 2020201503  
 (72) GUO, Site; JOHNSON, Robert E.; HILTON, Blain Robert; NEVILL, David Alan  
 (74) Spruson & Ferguson

(71) Blackhawk Network, Inc.  
 (11) AU-A-2021229141  
 (21) 2021229141 (22) 06.09.2021  
 (54) A system for payment via electronic wallet  
 (51) Int. Cl.  
*G06Q 20/36* ( 2012.01 )  
 (43) 30.09.2021  
 (62) 2019232775  
 (72) Campos, Tomas Ariel; Miller, Keith; Llach, Teri; Harper, Kellie D.; Ansari, Ansar  
 (74) Davies Collison Cave Pty Ltd

**Brien Holden Vision Institute see Novartis AG**

(21) 2021229142

(71) BRISTOL-MYERS SQUIBB COMPANY  
 (11) AU-A-2021225177  
 (21) 2021225177 (22) 01.09.2021  
 (54) OPTIMIZATION OF ANTIBODIES THAT BIND LYMPHOCYTE ACTIVATION GENE-3 (LAG-3), AND USES THEREOF  
 (51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2019204803  
 (72) LONBERG, Nils; SRINIVASAN, Mohan  
 (74) AJ PARK

(71) BTL Healthcare Technologies a.s.  
 (11) AU-A-2021221916

(21) 2021221916 (22) 27.08.2021  
 (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 )  
*A61B 18/14* ( 2006.01 )  
*A61N 2/02* ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2020270557  
 (72) Lang, Frantisek; Schwarz, Tomás  
 (74) Shelston IP Pty Ltd.

(71) Canon Kabushiki Kaisha  
 (11) AU-A-2020201753  
 (21) 2020201753 (22) 10.03.2020  
 (54) Method, apparatus and system for encoding and decoding a block of video samples  
 (51) Int. Cl.  
*H04N 19/467* ( 2014.01 )  
*H04N 19/176* ( 2014.01 )  
*H04N 19/18* ( 2014.01 )  
*H04N 19/61* ( 2014.01 )  
*H04N 19/70* ( 2014.01 )  
 (43) 30.09.2021  
 (72) Gan, Jonathan  
 (74) Spruson & Ferguson

(71) Case Western Reserve University  
 (11) AU-A-2021225216  
 (21) 2021225216 (22) 02.09.2021  
 (54) Treatment of pain using electrical nerve conduction block  
 (51) Int. Cl.  
*A61N 1/05* ( 2006.01 )  
*A61N 1/06* ( 2006.01 )  
*A61N 1/36* ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2019203633  
 (72) BHADRA, Niloy; BHADRA, Narendra; KILGORE, Kevin L.; LEMPKA, Scott; VRABEC, Tina; FRANKE, Manfred; WAINRIGHT, Jesse  
 (74) ACROGON GROUP PTY LTD

(71) CFPH, LLC  
 (11) AU-A-2021229146  
 (21) 2021229146 (22) 07.09.2021  
 (54) ZONE DEPENDENT PAYOUT PERCENTAGE  
 (51) Int. Cl.  
*A63F 9/24* ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2020200926  
 (72) Amaitis, Lee M.; Alderucci, Dean P.; Gelman, Geoffrey M.  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) Chairman, Defence Research & Development Organisation  
 (11) AU-A-2021221860  
 (21) 2021221860 (22) 26.08.2021

(54) Air independent propulsion system for submarines based on phosphoric acid fuel cell with onboard hydrogen generator  
 (51) Int. Cl.  
*C01B 3/06* ( 2006.01 )  
*H01M 8/06* ( 2016.01 )  
 (43) 30.09.2021  
 (62) 2017223239  
 (72) Roy Choudhury, Suman; Pillai, Janardhan Narayanadas; Somaiah, Boddu; Pareta, Mahendra; Satvilkar, Prasad; Kumar, Amit; Negi, Prem Kant; Mahtre, Nitin Nana; Roy Choudhury, Suhasini; Verma, Vaibhav; Dalvi, Vishal; Singh, Parvin Kumar; Suryawanshi, Shivaji Eknath; Mandal, Shambhu Kumar  
 (74) Shelston IP Pty Ltd.

(71) Chart Energy & Chemicals, Inc.  
 (11) AU-A-2021225243  
 (21) 2021225243 (22) 03.09.2021  
 (54) Mixed refrigerant system and method  
 (51) Int. Cl.  
*F25J 1/00* ( 2006.01 )  
*F25J 1/02* ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2016291205  
 (72) DUCOTE Jr., Douglas A.; PODOLSKI, James  
 (74) Spruson & Ferguson

**Chen, N.P.S. see Intelligent Cleaning Equipment Holdings Co. Ltd.**  
 (21) 2021225167

(71) Chevron Australia Pty Ltd; Chevron U.S.A. Inc.  
 (11) AU-A-2021201562  
 (21) 2021201562 (22) 11.03.2021  
 (54) Method of reducing mercury in stabilized condensate  
 (51) Int. Cl.  
*F25J 3/02* ( 2006.01 )  
*B01D 3/42* ( 2006.01 )  
*C10L 3/10* ( 2006.01 )  
 (31) 62/988,275 (32) 11.03.20 (33) US  
 (43) 30.09.2021  
 (72) CHINN, Daniel; COOPER, Russell E.; FISHER, Tonya Jean; THOMPSON, Joshua A.; PRADHAN, Vijay Rameshchandra  
 (74) FPA Patent Attorneys Pty Ltd

**Chevron U.S.A. Inc. see Chevron Australia Pty Ltd**  
 (21) 2021201562

**China Communications Construction Co., LTD. see Shandong University of Science and Technology**  
 (21) 2020385366

(71) Confluence Pharmaceuticals, LLC  
 (11) AU-A-2021225172

Applications Open to Public Inspection - Name Index cont'd

(21) 2021225172 (22) 31.08.2021

(54) Formulations Of Homotaurines And Salts Thereof

(51) Int. Cl.  
**A61K 31/255** ( 2006.01 )  
**A61K 31/265** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )

(43) 30.09.2021

(62) 2018269557

(72) JOHNS , Steven L; PAYIE , Kenneth G; DONIPARTHI , Badrinath R

(74) WRAYS PTY LTD

(71) Crum, A.

(11) AU-A-2021229136

(21) 2021229136 (22) 06.09.2021

(54) A method for side effect reduction in the use of statins via physiologically synthesized glutathione

(51) Int. Cl.

**A61K 8/64** ( 2006.01 )

(43) 30.09.2021

(62) 2015306676

(72) Crum, Albert

(74) Davies Collison Cave Pty Ltd

(71) Czech Technical University in Prague

(11) AU-A-2021201491

(21) 2021201491 (22) 09.03.2021

(54) Compact apparatus for extracting water from air

(51) Int. Cl.

**B01D 53/04** ( 2006.01 )

**B01D 5/00** ( 2006.01 )

**B01D 53/26** ( 2006.01 )

**E03B 3/28** ( 2006.01 )

(31) CZ2020-126 (32) 10.03.20 (33) CZ

(43) 30.09.2021

(72) Pokorny, Nikola; Shemelín, Viacheslav; Matuska, Tomas

(74) Sandercock & Cowie

(71) Czech Technical University in Prague

(11) AU-A-2021201492

(21) 2021201492 (22) 09.03.2021

(54) Apparatus for extracting water from air with one air duct

(51) Int. Cl.

**B01D 53/04** ( 2006.01 )

**B01D 5/00** ( 2006.01 )

**B01D 53/26** ( 2006.01 )

**E03B 3/28** ( 2006.01 )

(31) CZ2020-127 (32) 10.03.20 (33) CZ

(43) 30.09.2021

(72) Pokorny, Nikola; Shemelín, Viacheslav; Matuska, Tomas

(74) Sandercock & Cowie

(71) Daikin Industries, Ltd.

(11) AU-A-2021229135

(21) 2021229135 (22) 06.09.2021

(54) Heat exchanger and refrigeration apparatus

(51) Int. Cl.

**F28D 1/053** ( 2006.01 )

**F24F 1/00** ( 2019.01 )

**F25B 39/00** ( 2006.01 )

**F28F 9/26** ( 2006.01 )

(43) 30.09.2021

(62) 2018245192

(72) Matsumoto, Yoshiyuki; Yoshioka, Shun; Agou, Shouta

(74) Spruson & Ferguson

(71) Dana-Farber Cancer Institute, Inc.

(11) AU-A-2021225180

(21) 2021225180 (22) 01.09.2021

(54) Methods for identification, assessment, prevention, and treatment of metabolic disorders using Slit2

(51) Int. Cl.

**A61P 3/04** ( 2006.01 )

**A61P 3/08** ( 2006.01 )

**A61P 3/10** ( 2006.01 )

**C07K 14/705** ( 2006.01 )

**G01N 33/15** ( 2006.01 )

**G01N 33/68** ( 2006.01 )

(43) 30.09.2021

(62) 2016293584

(72) Spiegelman, Bruce M.; Svensson, Karin J.

(74) FB Rice Pty Ltd

(71) Dana-Farber Cancer Institute, Inc.

(11) AU-A-2021225240

(21) 2021225240 (22) 03.09.2021

(54) Humanized influenza monoclonal antibodies and methods of use thereof

(51) Int. Cl.

**C07K 16/10** ( 2006.01 )

**A61K 39/395** ( 2006.01 )

**A61K 39/00** ( 2006.01 )

(43) 30.09.2021

(62) 2016246065

(72) MARASCO, Wayne A.

(74) Spruson & Ferguson

(71) Deere & Company

(11) AU-A-2021200847

(21) 2021200847 (22) 10.02.2021

(54) Crop orientation system and method

(51) Int. Cl.

**A01B 69/00** ( 2006.01 )

**B60W 10/20** ( 2006.01 )

**G01C 21/20** ( 2006.01 )

**G01C 21/22** ( 2006.01 )

**G05D 1/00** ( 2006.01 )

**G08C 17/02** ( 2006.01 )

**H04W 4/44** ( 2018.01 )

(31) 16/817,202 (32) 12.03.20 (33) US

(43) 30.09.2021

(72) Helmich, Sam R.; Glass, David J.

(74) Davies Collison Cave Pty Ltd

(71) Deere & Company

(11) AU-A-2021201019

(21) 2021201019 (22) 17.02.2021

(54) Method and system for estimating surface roughness of ground for an off-road vehicle to control steering

(51) Int. Cl.

**A01B 76/00** ( 2006.01 )

**B60W 40/06** ( 2012.01 )

**G01C 19/34** ( 2006.01 )

**G01C 21/10** ( 2006.01 )

**G01S 17/894** ( 2020.01 )

**G01S 19/39** ( 2010.01 )

(31) 62/988,685 (32) 12.03.20 (33) US  
 16/946,629 30.06.20 US

(43) 30.09.2021

(72) Birkland, Christopher D.; Schleicher, Tyler D.

(74) Davies Collison Cave Pty Ltd

(71) Deere & Company

(11) AU-A-2021201020

(21) 2021201020 (22) 17.02.2021

(54) Method and system for estimating surface roughness of ground for an off-road vehicle to control steering

(51) Int. Cl.

**A01B 76/00** ( 2006.01 )

**B60W 40/06** ( 2012.01 )

**G01C 19/34** ( 2006.01 )

**G01C 21/10** ( 2006.01 )

**G01S 17/894** ( 2020.01 )

**G01S 19/39** ( 2010.01 )

(31) 62/988,685 (32) 12.03.20 (33) US  
 16/946,633 30.06.20 US

(43) 30.09.2021

(72) Birkland, Christopher D.; Schleicher, Tyler D.

(74) Davies Collison Cave Pty Ltd

(71) Deere & Company

(11) AU-A-2021201021

(21) 2021201021 (22) 17.02.2021

(54) Method and system for estimating surface roughness of ground for an off-road vehicle to control ground speed

(51) Int. Cl.

**A01B 76/00** ( 2006.01 )

**B60W 40/06** ( 2012.01 )

**G01C 19/34** ( 2006.01 )

**G01C 21/10** ( 2006.01 )

**G01S 17/894** ( 2020.01 )

**G01S 19/39** ( 2010.01 )

(31) 62/989,240 (32) 13.03.20 (33) US  
 16/946,837 08.07.20 US

(43) 30.09.2021

(72) Birkland, Christopher D.; Schleicher, Tyler D.

(74) Davies Collison Cave Pty Ltd

(71) Deere & Company

(11) AU-A-2021201022

(21) 2021201022 (22) 17.02.2021

(54) Method and system for estimating surface roughness of ground for an off-road vehicle to control ground speed

(51) Int. Cl.

**A01B 76/00** ( 2006.01 )

**B60W 40/06** ( 2012.01 )

**G05D 1/02** ( 2020.01 )

**G05D 13/00** ( 2006.01 )

(31) 62/989,240 (32) 13.03.20 (33) US  
 16/946,849 09.07.20 US

(43) 30.09.2021

(72) Birkland, Christopher D.; Schleicher, Tyler D.

(74) Davies Collison Cave Pty Ltd

Applications Open to Public Inspection - Name Index cont'd

(71) De Ridder, D.  
 (11) AU-A-2021225198  
 (21) 2021225198 (22) 02.09.2021  
 (54) SYSTEM AND METHOD FOR NESTED NEUROSTIMULATION  
 (51) Int. Cl.  
**A61N 1/36** ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2020201736  
 (72) De Ridder, Dirk  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Developing Software LLC  
 (11) AU-A-2021229155  
 (21) 2021229155 (22) 07.09.2021  
 (54) Location based push notification and multi-user class social introduction  
 (51) Int. Cl.  
**G06Q 50/16** ( 2012.01 )  
 (43) 30.09.2021  
 (62) 2016332834  
 (72) Johns, Troy; Corey, Steven  
 (74) FPA Patent Attorneys Pty Ltd

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(71) DEVPAT, LLC  
 (11) AU-A-2021201502  
 (21) 2021201502 (22) 10.03.2021  
 (54) Roofing underlayment  
 (51) Int. Cl.  
**E04D 5/06** ( 2006.01 )  
**E04D 12/00** ( 2006.01 )  
 (31) 16/820,466 (32) 16.03.20 (33) US  
 (43) 30.09.2021  
 (72) THAGARD, Douglas F.  
 (74) FB Rice Pty Ltd

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(71) Dexcom, Inc.  
 (11) AU-A-2021229120  
 (21) 2021229120 (22) 06.09.2021  
 (54) Sensors for continuous analyte monitoring, and related methods  
 (51) Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A61B 5/145** ( 2006.01 )  
**A61B 5/1486** ( 2006.01 )  
 (43) 30.09.2021  
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 (72) SIMPSON, Peter C.; BLACKWELL, Jennifer; BOHM, Sebastian; ESTES, Michael J.; JACKSON, Jeff; MITCHELL, Jason; PRYOR, Jack; RONG, Daiting; SAINT, Sean T.; SHETH, Disha B.; WANG, Shanger  
 (74) FB Rice Pty Ltd

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(71) Downhole Products Limited  
 (11) AU-A-2021200659  
 (21) 2021200659 (22) 02.02.2021  
 (54) Slimline Stop Collar With Solid Cam Ring  
 (51) Int. Cl.  
**E21B 17/16** ( 2006.01 )  
**E21B 17/10** ( 2006.01 )  
**E21B 21/14** ( 2006.01 )  
 (31) 62/987,923 (32) 11.03.20 (33) US

(43) 30.09.2021  
 (72) ARSOSKI, Darko  
 (74) WRAYS PTY LTD

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(71) Elanco US Inc.; Ambrx, Inc.  
 (11) AU-A-2021229132  
 (21) 2021229132 (22) 06.09.2021  
 (54) Pegylated Porcine Interferon and Methods of Use Thereof  
 (51) Int. Cl.  
**C07K 14/56** ( 2006.01 )  
**A61K 38/21** ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2017280958  
 (72) Canning, Peter Connor; Knudsen, Nicolas; Skidmore, Lillian  
 (74) WRAYS PTY LTD

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(71) Enix Co., Ltd.  
 (11) AU-A-2021225199  
 (21) 2021225199 (22) 02.09.2021  
 (54) Mechanical converter  
 (51) Int. Cl.  
**F16H 31/00** ( 2006.01 )  
**F16H 13/04** ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2017411132  
 (72) NOIA, Giampaolo Francesco  
 (74) Spruson & Ferguson

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(71) EXEL Industries  
 (11) AU-A-2021201490  
 (21) 2021201490 (22) 09.03.2021  
 (54) SPRAYING SYSTEM FOR AGRICULTURAL VEHICLE AND SPRAYING METHOD USING SUCH A SYSTEM  
 (51) Int. Cl.  
**B05B 12/00** ( 2018.01 )  
**A01M 7/00** ( 2006.01 )  
**B05B 1/20** ( 2006.01 )  
**B05B 3/18** ( 2006.01 )  
 (31) FR2002412 (32) 11.03.20 (33) FR  
 (43) 30.09.2021  
 (72) Charcosset, Philippe  
 (74) Phillips Ormonde Fitzpatrick

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(71) Fada Pty Ltd  
 (11) AU-A-2021201340  
 (21) 2021201340 (22) 02.03.2021  
 (54) A Method for Environmental Land Management  
 (51) Int. Cl.  
**A01B 79/00** ( 2006.01 )  
**A01B 79/02** ( 2006.01 )  
 (31) 2020900770 (32) 13.03.20 (33) AU  
 (43) 30.09.2021  
 (72) Sciacca, Francesco Santo  
 (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD

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(71) FISHER & PAYKEL HEALTHCARE LIMITED  
 (11) AU-A-2021225145  
 (21) 2021225145 (22) 30.08.2021  
 (54) Wound Retractor and Diffuser.  
 (51) Int. Cl.

**A61B 1/32** ( 2006.01 )  
**A61B 17/02** ( 2006.01 )  
**A61B 90/00** ( 2016.01 )  
**A61M 13/00** ( 2006.01 )  
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 (62) 2015367923  
 (72) Ip, Bernard Tsz Lun; Strevens, Joseph Patrick Walter; Fogarin, Jessica Rachel; MCFedries, Jonathan Stuart; Gordon, James Alexander; Blackhurst, Michael Joseph; Harwood, Jonathan David; Ghalib, Ali Ghalib Abdul Rahman; Robertson, Natalie May  
 (74) AJ PARK

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(71) FISHER & PAYKEL HEALTHCARE LIMITED  
 (11) AU-A-2021225190  
 (21) 2021225190 (22) 01.09.2021  
 (54) NASAL CANNULA  
 (51) Int. Cl.  
**A61M 16/06** ( 2006.01 )  
**A61M 15/08** ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2016242103  
 (72) Evans, Alicia Jerram Hunter; White, Craig Karl; Oldfield, Samantha Dale; Assi, Milanjot Singh; Scheirlinck, Erik Robertus; Spence, Callum James Thomas; Gulliver, Laurence; Cheung, Dexter Chi Lun; Barraclough, Michael; Payton, Matthew Jon  
 (74) AJ PARK

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(71) FISHER & PAYKEL HEALTHCARE LIMITED  
 (11) AU-A-2021225241  
 (21) 2021225241 (22) 03.09.2021  
 (54) An elbow assembly of a patient interface, an anti-asphyxia valve for an elbow assembly and a connector  
 (51) Int. Cl.  
**A61M 16/06** ( 2006.01 )  
**A61M 16/20** ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2016303454  
 (72) Rose, Hamish Joshua; Pedersen, Matthew James; Prentice, Craig Robert; Spear, Tony William; Walls, Bruce Michael; Willfroth, Dana; Mittermeier, Simon; Bornholdt, Melissa Catherine; Olsen, Gregory James  
 (74) AJ PARK

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(71) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.  
 (11) AU-A-2021225242  
 (21) 2021225242 (22) 03.09.2021  
 (54) Concept for generating an enhanced sound-field description or a modified sound field description using a multi-layer description  
 (51) Int. Cl.  
**G10L 19/008** ( 2013.01 )  
**H04S 7/00** ( 2006.01 )  
**G06F 3/01** ( 2006.01 )  
**G10L 21/0272** ( 2013.01 )

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 (62) 2018298876  
 (72) HERRE, Jürgen; HABETS, Emanuel  
 (74) Griffith Hack

(71) FUJIFILM Cellular Dynamics, Inc.  
 (11) AU-A-2021225187  
 (21) 2021225187 (22) 01.09.2021  
 (54) Methods for differentiating pluripotent cells  
 (51) Int. Cl.  
**C12N 5/0793** ( 2010.01 )  
 (43) 30.09.2021  
 (62) 2017313065  
 (72) McMahon, Christopher W.; Little, Lauren E.; Wang, Wen Bo; Elliot, Nathaniel A.  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

**FUJIFILM Wako Pure Chemical Corporation see OSAKA UNIVERSITY**  
 (21) 2021229127

(71) Gallagher eShepherd Pty Ltd  
 (11) AU-A-2021221672  
 (21) 2021221672 (22) 25.08.2021  
 (54) Improved Wearable Electronic Collars for Animals  
 (51) Int. Cl.  
**A01K 27/00** ( 2006.01 )  
**A01K 15/02** ( 2006.01 )  
**A01K 11/00** ( 2006.01 )  
**A01K 29/00** ( 2006.01 )  
 (43) 30.09.2021  
 (72) Zipsin, Andrew; Zhou, Taylor; Haynes, Sally; Leigh-Lancaster, Chris; Morris, Stephen  
 (74) Griffith Hack

(71) Ginkgo Bioworks, Inc.  
 (11) AU-A-2021225189  
 (21) 2021225189 (22) 01.09.2021  
 (54) Increasing lipid production in oleaginous yeast  
 (51) Int. Cl.  
**C12N 1/19** ( 2006.01 )  
**C12N 15/04** ( 2006.01 )  
**C12N 15/54** ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2015266724  
 (72) Tsakraklides, Vasiliki; Brevnova, Elena E.  
 (74) Shelston IP Pty Ltd.

(71) Goldcorp Inc.  
 (11) AU-A-2021225227  
 (21) 2021225227 (22) 03.09.2021  
 (54) ADSORBENT COMPOSITION, METHOD OF MAKING THE SAME, AND USES THEREOF  
 (51) Int. Cl.  
**B01J 20/30** ( 2006.01 )  
**B01J 20/02** ( 2006.01 )  
**B01J 20/26** ( 2006.01 )

(43) 30.09.2021  
 (62) 2017260708  
 (72) Hmidi, Nuri; Guerra, Eduard  
 (74) AJ PARK

(71) Google LLC  
 (11) AU-A-2021225163  
 (21) 2021225163 (22) 31.08.2021  
 (54) INHOMOGENEOUS QUANTUM ANNEALING SCHEDULES  
 (51) Int. Cl.  
**G06N 10/00** ( 2019.01 )  
 (43) 30.09.2021  
 (62) 2018395427  
 (72) Mohseni, Masoud; Neven, Hartmut  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Google LLC  
 (11) AU-A-2021225173  
 (21) 2021225173 (22) 31.08.2021  
 (54) QUANTUM ERROR CORRECTION  
 (51) Int. Cl.  
**G06N 99/00** ( 2019.01 )  
 (43) 30.09.2021  
 (62) 2017431764  
 (72) Fowler, Austin Greg  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Google LLC  
 (11) AU-A-2021225194  
 (21) 2021225194 (22) 01.09.2021  
 (54) CONSTRUCTING AND PROGRAMMING QUANTUM HARDWARE FOR ROBUST QUANTUM ANNEALING PROCESSES  
 (51) Int. Cl.  
**G06N 99/00** ( 2019.01 )  
 (43) 30.09.2021  
 (62) 2019283774  
 (72) Neven, Hartmut; Mohseni, Masoud  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) GREE ELECTRIC APPLIANCES, INC.  
 (11) AU-A-2021225259  
 (21) 2021225259 (22) 04.09.2021  
 (54) PHOTOVOLTAIC MODULE, INTEGRATED PHOTOVOLTAIC/PHOTOTHERMAL MODULE AND MANUFACTURING METHOD THEREOF  
 (51) Int. Cl.  
**H01L 31/048** ( 2014.01 )  
**H01L 31/0525** ( 2014.01 )

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 (72) CAO, Wenbing; YAN, Delin; LIU, Hongming; LIN, Jiahui; WANG, Hao  
 (74) AJ PARK

(71) Habitech Pty Ltd  
 (11) AU-A-2021201626  
 (21) 2021201626 (22) 15.03.2021  
 (54) NESTING BOX  
 (51) Int. Cl.

**A01K 31/14** ( 2006.01 )  
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 (43) 30.09.2021  
 (72) Callan, Michael; Johnson, Alexander  
 (74) David Shanks & Associates

(71) Hankuk Paper Mfg. Co., Ltd  
 (11) AU-A-2020223696  
 (21) 2020223696 (22) 01.06.2020  
 (54) Base paper for eco-friendly paper cups  
 (51) Int. Cl.  
**D21H 27/30** ( 2006.01 )  
**A47G 29/22** ( 2006.01 )  
 (31) 10-2020-0031855 (32) 16.03.20 (33) KR  
 (43) 30.09.2021  
 (72) CHOI, Ik-Sun; LEE, Hak-Ju; NOH, Yoon-Hee; KIM, Jong-Soo  
 (74) Spruson & Ferguson

(71) Hankuk Paper MFG. Co., Ltd  
 (11) AU-A-2020223700  
 (21) 2020223700 (22) 01.06.2020  
 (54) Method for manufacturing a base paper for eco-friendly paper cups  
 (51) Int. Cl.  
**D21H 27/30** ( 2006.01 )  
**D21F 13/00** ( 2006.01 )  
 (31) 10-2020-0031862 (32) 16.03.20 (33) KR  
 (43) 30.09.2021  
 (72) CHOI, Ik-Sun; LEE, Hak-Ju; NOH, Yoon-Hee; KIM, Jong-Soo  
 (74) Spruson & Ferguson

(71) Hanmi Pharm. Co., Ltd  
 (11) AU-A-2021225249  
 (21) 2021225249 (22) 03.09.2021  
 (54) IGG4 FC Fragment Comprising Modified Hinge Region  
 (51) Int. Cl.  
**C07K 7/08** ( 2006.01 )  
**A61K 47/42** ( 2017.01 )  
**C12N 15/13** ( 2006.01 )  
**C12N 15/63** ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2020202581  
 (72) JUNG, Sung Youb; HUH, Yong Ho; PARK, Sung Hee; LEE, Jong Soo; CHOI, In Young  
 (74) WRAYS PTY LTD

**Hebei Feipu Environmental Protection Technology Co. Ltd see Shandong University of Science and Technology**  
 (21) 2020385366

(71) Howard Hughes Medical Institute; The Regents of the University of California  
 (11) AU-A-2021225247  
 (21) 2021225247 (22) 03.09.2021  
 (54) VARIANT ADENO-ASSOCIATED VIRUSES AND METHODS OF USING  
 (51) Int. Cl.  
**C07K 14/015** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**C12N 7/01** ( 2006.01 )

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 (72) Dudman, Joshua; Hantman, Adam; Looger, Loren; Ritola, Kimberly; Schaffer, David; Tervo, Dougal Gowanlock Robinson; Viswanathan, Sarada; Hwang, Bum-Yeol; Karpova, Alla  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

**Humabs Biomed SA see MedImmune, LLC**  
 (21) 2021229138

(71) Hunckler Fabrication LLC  
 (11) AU-A-2020201761  
 (21) 2020201761 (22) 11.03.2020  
 (54) SHADE AND SHADING SYSTEM  
 (51) Int. Cl.  
     *B60J 1/04* ( 2006.01 )  
     *B60J 1/20* ( 2006.01 )  
     *B60J 3/00* ( 2006.01 )  
     *B60J 3/04* ( 2006.01 )  
 (43) 30.09.2021  
 (72) Hunckler, Roger; Hunckler, Clare  
 (74) Hunckler Fabrication LLC

(71) IBCO Pty Ltd  
 (11) AU-A-2021203374  
 (21) 2021203374 (22) 12.03.2021  
 (54) A controlled bending device and pipe junction sealing packer incorporating same  
 (51) Int. Cl.  
     *F16L 55/165* ( 2006.01 )  
     *F16L 55/179* ( 2006.01 )  
     *F16L 55/18* ( 2006.01 )  
     *F16L 55/26* ( 2006.01 )  
 (31) 2020900771 (32) 13.03.20 (33) AU  
 (43) 30.09.2021  
 (72) BATEMAN, Ian Roger  
 (74) Murray Trento & Associates Pty Ltd

(71) Illinois Tool Works Inc.  
 (11) AU-A-2021201323  
 (21) 2021201323 (22) 01.03.2021  
 (54) Locating jig for drilling holes in truss members  
 (51) Int. Cl.  
     *E04G 21/18* ( 2006.01 )  
     *B23B 47/28* ( 2006.01 )  
     *E04C 3/17* ( 2006.01 )  
 (31) 2020900798 (32) 16.03.20 (33) AU  
 (43) 30.09.2021  
 (72) Kennelly, Bernard Joseph  
 (74) Davies Collison Cave Pty Ltd

(71) Illinois Tool Works Inc.  
 (11) AU-A-2021201526  
 (21) 2021201526 (22) 10.03.2021  
 (54) Dishwasher for cleaning items of washware in the form of drinking vessels  
 (51) Int. Cl.  
     *A47L 15/24* ( 2006.01 )  
 (31) 10 2020 106 839.5 (32) 12.03.20 (33) DE

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 (74) Davies Collison Cave Pty Ltd

(71) Illumina, Inc.  
 (11) AU-A-2021225127  
 (21) 2021225127 (22) 30.08.2021  
 (54) Systems and devices for high-throughput sequencing with semiconductor-based detection  
 (51) Int. Cl.  
     *G01N 21/64* ( 2006.01 )  
     *B01L 3/00* ( 2006.01 )  
     *C12Q 1/68* ( 2018.01 )  
     *C40B 30/04* ( 2006.01 )  
     *C40B 50/14* ( 2006.01 )  
     *H01L 27/146* ( 2006.01 )  
     *G01N 21/76* ( 2006.01 )

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 (62) 2019205797  
 (72) Dehlinger, Dietrich; Agah, Ali; Fung, Tracy Helen; Kostem, Emrah; Hetherington, Craig  
 (74) Shelston IP Pty Ltd.

(71) Illumina, Inc.  
 (11) AU-A-2021229125  
 (21) 2021229125 (22) 06.09.2021  
 (54) Hybrid Nanopore Sensors  
 (51) Int. Cl.  
     *G01N 33/487* ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2015296551  
 (72) Boyanov, Boyan; Mandell, Jeffrey G.; Gunderson, Kevin L.; Bai, Jingwei; Qiang, Liangliang; Baas, Bradley  
 (74) WRAYS PTY LTD

(71) Illumina, Inc.  
 (11) AU-A-2021229126  
 (21) 2021229126 (22) 06.09.2021  
 (54) Hybrid Nanopore Sensors  
 (51) Int. Cl.  
     *G01N 33/487* ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2015296551  
 (72) Boyanov, Boyan; Mandell, Jeffrey G.; Gunderson, Kevin L.; Bai, Jingwei; Qiang, Liangliang; Baas, Bradley  
 (74) WRAYS PTY LTD

(71) Illumina, Inc.  
 (11) AU-A-2021229139  
 (21) 2021229139 (22) 06.09.2021  
 (54) Predicting Structured Illumination Parameters  
 (51) Int. Cl.  
     *G02B 21/00* ( 2006.01 )  
     *G01N 21/63* ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2019283788  
 (72) CARNEY, Michael J.; HONG, Stanley S.; LANGLOIS, Robert; REN, Hongji;

BARTIG, Kevin Wayne; OTTO, Rico; SOUVERNEVA, Olga Andreevna  
 (74) WRAYS PTY LTD

(71) Immune Sensor, LLC; The Board of Regents of the University of Texas System  
 (11) AU-A-2021225151  
 (21) 2021225151 (22) 31.08.2021  
 (54) cGAS ANTAGONIST COMPOUNDS  
 (51) Int. Cl.  
     *C07D 417/14* ( 2006.01 )  
     *A61K 31/665* ( 2006.01 )  
     *A61K 39/39* ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2017246413  
 (72) Chen, Zhijian; Li, Jing; Sun, Lijun; Chen, Chuo; Shi, Heping; Zhong, Boyu  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) IMMUNOGENESIS, INC.  
 (11) AU-A-2021229128  
 (21) 2021229128 (22) 06.09.2021  
 (54) AZIRIDINE CONTAINING DNA ALKYLATING AGENTS  
 (51) Int. Cl.  
     *A61K 31/04* ( 2006.01 )  
     *A61K 31/06* ( 2006.01 )  
     *A61K 33/42* ( 2006.01 )  
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 (62) 2016282785  
 (72) Matteucci, Mark; Cai, Xiaohong; Cao, Yeyu; Jiao, Hailong; Ma, Jing Yuan; Duan, Jian-Xin  
 (74) HENRY HUGHES IP LTD

(71) Infastech Intellectual Properties Pte. Ltd.  
 (11) AU-A-2021225170  
 (21) 2021225170 (22) 31.08.2021  
 (54) Tapered lobular driver and fastener  
 (51) Int. Cl.  
     *B25B 15/00* ( 2006.01 )  
     *B25B 23/00* ( 2006.01 )  
     *F16B 23/00* ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2016308839  
 (72) Lukes, Richard W.; Blaess, Donald K.; Riskin, Sean  
 (74) MINTER ELLISON

(71) Intel Corporation  
 (11) AU-A-2020294195  
 (21) 2020294195 (22) 22.12.2020  
 (54) Apparatus and method for displaced mesh compression  
 (51) Int. Cl.  
     *G06T 17/00* ( 2006.01 )  
 (31) 16/819,118 (32) 15.03.20 (33) US  
 (43) 30.09.2021  
 (72) WOOP, Sven; VAIDYANATHAN, Karthik; BENTHIN, Carsten  
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(71) Intel Corporation  
 (11) AU-A-2020294199



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 (54) Apparatus and method for performing box queries in ray traversal hardware  
 (51) Int. Cl.  
*G06T 17/00* ( 2006.01 )  
 (31) 16/819,120 (32) 15.03.20 (33) US  
 (43) 30.09.2021  
 (72) WOOP, Sven; VAIDYANATHAN, Karthik; BENTHIN, Carsten  
 (74) Spruson & Ferguson

(71) Intelligent Cleaning Equipment Holdings Co. Ltd.; Chen, N.P.S.  
 (11) AU-A-2021225167  
 (21) 2021225167 (22) 31.08.2021  
 (54) Tracking device, system for tracking objects, and associated method of use  
 (51) Int. Cl.  
*G01S 1/02* ( 2010.01 )  
*G01S 1/04* ( 2006.01 )  
*G06F 11/00* ( 2006.01 )  
*G08B 1/00* ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2019223987  
 (72) Chen, Nai Pong Simon  
 (74) Spruson & Ferguson

(71) Joy Global Underground Mining LLC  
 (11) AU-A-2021201575  
 (21) 2021201575 (22) 12.03.2021  
 (54) Cutting pick monitoring system and method for longwall mining system  
 (51) Int. Cl.  
*E21C 35/24* ( 2006.01 )  
*E21C 25/06* ( 2006.01 )  
 (31) 62/989,323 (32) 13.03.20 (33) US  
 (43) 30.09.2021  
 (72) NIEDERRITER, Edward F.; LEY, Jeffrey A.  
 (74) Griffith Hack

(71) KIVU CONSULTING, INC.  
 (11) AU-A-2021225158  
 (21) 2021225158 (22) 31.08.2021  
 (54) SYSTEMS AND METHODS FOR REMOTE IDENTIFICATION OF ENTERPRISE THREATS  
 (51) Int. Cl.  
*G06F 21/57* ( 2013.01 )  
 (43) 30.09.2021  
 (62) 2020213347  
 (72) JONES, Elgan David; LANGER, Thomas; KRONE, Winston  
 (74) Collison & Co

(71) Knog Pty Ltd  
 (11) AU-A-2021225126  
 (21) 2021225126 (22) 30.08.2021  
 (54) Bell for a bicycle  
 (51) Int. Cl.  
*B62J 3/00* ( 2020.01 )  
*G10K 1/072* ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2017200615  
 (72) Bilanenko, Chris; Davidson, Hugo  
 (74) FPA Patent Attorneys Pty Ltd

(71) Komatsu Ltd.  
 (11) AU-A-2021229162  
 (21) 2021229162 (22) 07.09.2021  
 (54) Vehicle management device, vehicle management method, and program  
 (51) Int. Cl.  
*G08G 1/0962* ( 2006.01 )  
*G08G 1/00* ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2018299303  
 (72) ONISHI, Yoshiyuki; NEMOTO, Yuuichi  
 (74) FB Rice Pty Ltd

(71) Komatsu Ltd.  
 (11) AU-A-2021229163  
 (21) 2021229163 (22) 07.09.2021  
 (54) Parameter identifying device, simulation device, and parameter identifying method  
 (51) Int. Cl.  
*G06Q 50/08* ( 2012.01 )  
*E02F 9/20* ( 2006.01 )  
*E02F 9/26* ( 2006.01 )  
 (43) 30.09.2021  
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 (72) ONISHI, Yoshiyuki; KANOU, Shinya; KURODA, Kyohei; FURUKAWA, Shota; OMURO, Naoyuki  
 (74) FB Rice Pty Ltd

(71) Koninklijke Douwe Egberts B.V.  
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 (21) 2021225147 (22) 30.08.2021  
 (54) AROMA-RETAINING SOLUBLE COFFEE  
 (51) Int. Cl.  
*A23F 5/40* ( 2006.01 )  
*A23F 5/46* ( 2006.01 )  
*A23F 5/48* ( 2006.01 )  
*A23L 27/28* ( 2016.01 )  
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 (72) Heijman, Gertjan; de Kok, Petrus Maria Theresia; Oosterveld, Alexander  
 (74) Davies Collison Cave Pty Ltd

(71) KWS SAAT SE  
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 (54) Generation of haploid plants  
 (51) Int. Cl.  
*C12N 15/82* ( 2006.01 )  
*A01H 1/08* ( 2006.01 )  
*A01H 5/00* ( 2018.01 )  
*A01H 5/06* ( 2018.01 )  
*A01H 5/10* ( 2018.01 )  
*C07K 14/415* ( 2006.01 )  
*C12N 15/29* ( 2006.01 )  
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(71) Kyoto University; OTSUKA CHEMICAL CO., LTD.  
 (11) AU-A-2021229164  
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 (54) Method for producing multibranched polymer and multibranched polymer  
 (51) Int. Cl.  
*C08F 4/00* ( 2006.01 )  
*C08F 2/38* ( 2006.01 )  
*C08F 230/00* ( 2006.01 )  
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 (72) YAMAGO, Shigeru; YAMAMOTO, Minoru  
 (74) Griffith Hack

(71) Landmark Graphics Corporation  
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 (21) 2021229161 (22) 07.09.2021  
 (54) Method for slim hole single trip remedial or plug and abandonment cement barrier  
 (51) Int. Cl.  
*E21B 33/13* ( 2006.01 )  
*E21B 23/06* ( 2006.01 )  
*E21B 33/12* ( 2006.01 )  
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 (21) 2021229131 (22) 06.09.2021  
 (54) Composition for delivering physiologically active ingredients into blood vessel  
 (51) Int. Cl.  
*A61K 9/16* ( 2006.01 )  
*A61K 9/14* ( 2006.01 )  
*A61K 31/704* ( 2006.01 )  
*A61K 45/06* ( 2006.01 )  
*A61K 48/00* ( 2006.01 )  
*A61K 49/00* ( 2006.01 )  
*A61L 24/00* ( 2006.01 )  
*A61L 24/02* ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2018308332  
 (72) WON, Cheol Hee  
 (74) FB Rice Pty Ltd

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 (54) Prodrug compounds and their uses  
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*C07F 9/6571* ( 2006.01 )  
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 (72) Zhi, Lin  
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(71) Lightning Protection International Pty Ltd  
 (11) AU-A-2021201620  
 (21) 2021201620 (22) 15.03.2021

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*C04B 28/04* ( 2006.01 )  
*C04B 14/02* ( 2006.01 )  
*C04B 14/10* ( 2006.01 )  
*C04B 14/38* ( 2006.01 )  
*C04B 14/42* ( 2006.01 )  
*C04B 16/04* ( 2006.01 )  
*C04B 16/06* ( 2006.01 )  
*C04B 18/14* ( 2006.01 )  
*C04B 22/08* ( 2006.01 )  
*C04B 24/12* ( 2006.01 )  
*C04B 24/26* ( 2006.01 )  
*H01R 4/66* ( 2006.01 )  
*H02G 13/00* ( 2006.01 )  
*C04B 103/30* ( 2006.01 )  
*C04B 103/32* ( 2006.01 )  
*C04B 103/61* ( 2006.01 )  
*C04B 111/34* ( 2006.01 )  
*C04B 111/94* ( 2006.01 )  
(31) 2020900800 (32) 16.03.20 (33) AU  
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(72) D'Alessandro, Franco  
(74) Davies Collison Cave Pty Ltd

(71) Lotus Folding Walls & Doors Pty Ltd

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(54) DAMPER ASSEMBLY FOR SLIDING BUILDING ELEMENTS

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*E05F 3/14* ( 2006.01 )  
*E05F 5/00* ( 2017.01 )  
(31) 2020900760 (32) 13.03.20 (33) AU  
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(74) MILLS OAKLEY IP

(71) Loxo Oncology, Inc.

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(54) Compounds useful as kinase inhibitors

- (51) Int. Cl.  
*C07D 405/14* ( 2006.01 )  
*A61K 31/415* ( 2006.01 )  
*A61K 31/4155* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 231/14* ( 2006.01 )  
*C07D 401/04* ( 2006.01 )  
*C07D 401/06* ( 2006.01 )  
*C07D 403/04* ( 2006.01 )  
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*C07D 405/08* ( 2006.01 )  
*C07D 413/06* ( 2006.01 )

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(62) 2021201811  
(72) Guisot, Nicolas  
(74) Spruson & Ferguson

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(54) Compounds useful as kinase inhibitors  
(51) Int. Cl.  
*C07D 405/14* ( 2006.01 )  
*A61K 31/415* ( 2006.01 )  
*A61K 31/4155* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )

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*C07D 401/04* ( 2006.01 )  
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(71) Magenta Medical Ltd.

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(54) Renal pump  
(51) Int. Cl.  
*A61M 60/122* ( 2021.01 )  
*A61B 5/02* ( 2006.01 )  
*A61B 5/021* ( 2006.01 )  
*A61B 17/22* ( 2006.01 )  
*A61M 1/00* ( 2006.01 )

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(54) Solar cell with trench-free emitter regions  
(51) Int. Cl.  
*H01L 31/04* ( 2014.01 )  
*H01L 31/0256* ( 2006.01 )

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(74) Southern Cross Intellectual Property

(71) MedicalTree Patent Ltd

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(54) Infusion Of Drugs  
(51) Int. Cl.  
*A61F 2/26* ( 2006.01 )  
*A61F 5/41* ( 2006.01 )  
*A61M 5/142* ( 2006.01 )

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(72) Forsell, Peter  
(74) WRAYS PTY LTD

(71) MedImmune, LLC; Humabs Biomed SA

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*A61K 39/42* ( 2006.01 )  
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(74) Phillips Ormonde Fitzpatrick

(71) Merck Sharp & Dohme Corp.; Agenus Inc.

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(54) Anti-ILT4 antibodies and antigen-binding fragments  
(51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
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*A61P 35/00* ( 2006.01 )  
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(71) Millennium Pharmaceuticals, Inc.

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(54) Formulation for anti-alpha4beta7 antibody  
(51) Int. Cl.  
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(74) Davies Collison Cave Pty Ltd

(71) Miller, S.

- (11) AU-A-2021225192  
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(54) Optical coupler for optical imaging visualization device  
(51) Int. Cl.  
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(71) Monsanto Technology LLC

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(54) PLANT REGULATORY ELEMENTS AND USES THEREOF  
(51) Int. Cl.  
*C12N 15/82* ( 2006.01 )  
*A01H 5/00* ( 2018.01 )  
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 (74) Davies Collison Cave Pty Ltd

(71) MORINAGA MILK INDUSTRY CO., LTD.  
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 (21) 2021225184 (22) 01.09.2021  
 (54) Composition for degrading opioid peptide  
 (51) Int. Cl.  
*A61K 35/745* ( 2015.01 )  
*A23L 33/135* ( 2016.01 )  
*A61P 25/00* ( 2006.01 )  
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*C12N 1/00* ( 2006.01 )  
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(71) Nacuity Pharmaceuticals, Inc.; The Johns Hopkins University  
 (11) AU-A-2021225263  
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 (54) TREATMENT OF RETINITIS PIGMENTOSA WITH N-ACETYLCYSTEINE AMIDE  
 (51) Int. Cl.  
*A01N 37/44* ( 2006.01 )  
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 (72) Campochiaro, Peter A.; Hartman, Daniel  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) National University of Ireland, Galway  
 (11) AU-A-2021225229  
 (21) 2021225229 (22) 03.09.2021  
 (54) Antimicrobial compositions and methods for their production  
 (51) Int. Cl.  
*A61K 31/327* ( 2006.01 )  
*A61K 33/18* ( 2006.01 )  
*A61P 31/00* ( 2006.01 )  
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 (72) O'Flaherty, Vincent; McCay, Paul  
 (74) Shelston IP Pty Ltd.

(71) Navico Holdings AS  
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 (54) SIDESCAN SONAR IMAGING SYSTEM  
 (51) Int. Cl.  
*G01S 15/89* ( 2006.01 )

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 (72) PROCTOR, Alan Lee; PARKS, David Austin; HORNER, Ronald Joe  
 (74) AJ PARK

(71) Nektar Therapeutics  
 (11) AU-A-2021225133  
 (21) 2021225133 (22) 30.08.2021  
 (54) Conjugates of an IL-2 moiety and a polymer  
 (51) Int. Cl.  
*C07K 1/00* ( 2006.01 )  
*A61K 45/00* ( 2006.01 )  
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 (21) 2021225169 (22) 31.08.2021  
 (54) COMPOSITION FOR PREVENTION OR TREATMENT OF STROKE  
 (51) Int. Cl.  
*A61K 31/165* ( 2006.01 )  
*A23L 33/10* ( 2016.01 )  
*A61P 9/00* ( 2006.01 )  
*A61P 9/10* ( 2006.01 )  
*A61P 9/12* ( 2006.01 )  
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 (74) H & H Lawyers

(71) Neximmune, Inc  
 (11) AU-A-2021225200  
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 (54) Nanoparticle compositions and methods for immunotherapy  
 (51) Int. Cl.  
*A61K 39/395* ( 2006.01 )  
*A61K 9/14* ( 2006.01 )  
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 (72) McCreedy, Bruce  
 (74) Allens Patent & Trade Mark Attorneys

(71) Nicoventures Trading Limited  
 (11) AU-A-2021229156  
 (21) 2021229156 (22) 07.09.2021  
 (54) Liquid tobacco extract  
 (51) Int. Cl.  
*A24F 47/00* ( 2020.01 )  
*A24B 15/16* ( 2020.01 )  
*A24B 15/24* ( 2006.01 )  
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 (72) Digard, Helena  
 (74) Shelston IP Pty Ltd.

(71) Nimbus Lakshmi, Inc.  
 (11) AU-A-2021225251  
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 (54) TYK2 inhibitors and uses thereof  
 (51) Int. Cl.  
*C07D 487/04* ( 2006.01 )  
*C07D 519/00* ( 2006.01 )  
*C07F 5/02* ( 2006.01 )  
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 (54) MYOPIA CONTROL MEANS  
 (51) Int. Cl.  
*G02C 7/02* ( 2006.01 )  
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 (54) Solar power plant  
 (51) Int. Cl.  
*H02S 30/10* ( 2014.01 )  
*H02S 10/12* ( 2014.01 )  
*H02S 20/30* ( 2014.01 )  
*H02S 40/42* ( 2014.01 )  
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(71) OSAKA UNIVERSITY; FUJIFILM Wako Pure Chemical Corporation  
 (11) AU-A-2021229127  
 (21) 2021229127 (22) 06.09.2021  
 (54) Tim protein-bound carrier, methods for obtaining, removing and detecting extracellular membrane vesicles and viruses using said carrier, and kit including said carrier  
 (51) Int. Cl.  
*C12N 15/09* ( 2006.01 )  
*C07K 1/14* ( 2006.01 )  
*C07K 17/00* ( 2006.01 )  
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 (54) MOTORIZED WHEELBARROW  
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 B62B 1/18 ( 2006.01 )  
 B62B 5/00 ( 2006.01 )  
 B62D 51/06 ( 2006.01 )

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 (51) Int. Cl.  
 H01M 4/04 ( 2006.01 )  
 H01M 4/62 ( 2006.01 )

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 Daughenbaugh, Randy E.  
 (74) MINTER ELLISON

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 (51) Int. Cl.  
 C12N 5/0735 ( 2010.01 )  
 A61K 48/00 ( 2006.01 )  
 C07K 14/74 ( 2006.01 )  
 C12N 15/85 ( 2006.01 )

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 Cowan, Chad A.  
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 (51) Int. Cl.  
 A23C 9/20 ( 2006.01 )  
 A23C 9/00 ( 2006.01 )  
 A23C 9/152 ( 2006.01 )

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 (54) Blocking an optical fiber in a fiber optic cable  
 (51) Int. Cl.  
 G02B 6/40 ( 2006.01 )  
 G02B 6/44 ( 2006.01 )  
 (31) 10202000005038 (32) 10.03.20 (33) IT  
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 (51) Int. Cl.  
 F21L 4/04 ( 2006.01 )  
 F21V 23/04 ( 2006.01 )

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 (51) Int. Cl.  
 G01V 9/00 ( 2006.01 )  
 E21B 49/02 ( 2006.01 )  
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 (54) Cell culture process for making a glycoprotein

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 C12P 21/00 ( 2006.01 )  
 C07K 14/415 ( 2006.01 )  
 C12N 5/00 ( 2006.01 )  
 C12N 15/09 ( 2006.01 )  
 C12P 21/06 ( 2006.01 )

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 (74) FPA Patent Attorneys Pty Ltd

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 (54) OPTIC NEUROPATHY TREATMENT AND REDUCTION OF STEROID-INDUCED OXIDATIVE STRESS WITH STABILIZED POLYUNSATURATED SUBSTANCES  
 (51) Int. Cl.  
 A01N 25/26 ( 2006.01 )

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 (72) Shchepinov, Mikhail S.  
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(71) Retrotope, Inc.  
 (11) AU-A-2021225202  
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 (54) SITE-SPECIFIC ISOTOPIIC LABELING OF 1, 4-DIENE SYSTEMS  
 (51) Int. Cl.  
 C07C 317/04 ( 2006.01 )  
 C07C 69/67 ( 2006.01 )  
 C07C 381/00 ( 2006.01 )

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 (74) Phillips Ormonde Fitzpatrick

(71) Sami Labs Limited  
 (11) AU-A-2021218215  
 (21) 2021218215 (22) 20.08.2021  
 (54) Enzyme composition for management of metabolic health  
 (51) Int. Cl.  
 A61K 38/48 ( 2006.01 )  
 A23L 29/30 ( 2016.01 )  
 A23L 33/10 ( 2016.01 )  
 A61K 38/43 ( 2006.01 )  
 A61K 38/46 ( 2006.01 )  
 A61K 38/47 ( 2006.01 )  
 A61K 47/40 ( 2006.01 )  
 A61P 1/14 ( 2006.01 )  
 A61P 3/06 ( 2006.01 )

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(71) Sanofi  
 (11) AU-A-2021225215

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- (21) 2021225215 (22) 02.09.2021  
 (54) 6,7-dihydro-5H-benzo[7]annulene derivatives as estrogen receptor modulators  
 (51) Int. Cl.  
*C07D 403/12* ( 2006.01 )  
*A61K 31/40* ( 2006.01 )  
*A61K 31/4025* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 207/12* ( 2006.01 )  
*C07D 401/12* ( 2006.01 )  
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*C07D 413/12* ( 2006.01 )  
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*C07D 471/04* ( 2006.01 )  
 (43) 30.09.2021  
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 (74) Griffith Hack
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- (71) Sedonasys Systems Ltd  
 (11) AU-A-2021225182  
 (21) 2021225182 (22) 01.09.2021  
 (54) Systems and methods for managing multi-layer communication networks  
 (51) Int. Cl.  
*G06F 15/16* ( 2006.01 )  
 (43) 30.09.2021  
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 (74) Davies Collison Cave Pty Ltd
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- (71) SeedMaster Manufacturing Ltd.  
 (11) AU-A-2021225237  
 (21) 2021225237 (22) 03.09.2021  
 (54) Implement operating apparatus  
 (51) Int. Cl.  
*A01B 69/00* ( 2006.01 )  
*A01B 73/00* ( 2006.01 )  
*A01C 7/00* ( 2006.01 )  
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 (72) BEAUJOT, Norbert  
 (74) FB Rice Pty Ltd
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- (71) Senhwa Biosciences, Inc.  
 (11) AU-A-2021225157  
 (21) 2021225157 (22) 31.08.2021  
 (54) COMBINATION THERAPY OF TETRACYCLIC QUINOLONE ANALOGS FOR TREATING CANCER  
 (51) Int. Cl.  
*A61K 31/541* ( 2006.01 )  
*C07D 471/14* ( 2006.01 )  
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 (72) Soong, John  
 (74) AJ PARK
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- (71) Shandong University of Science and Technology; China Communications Construction Co., LTD.; Qingdao First Municipal Engineering Co., Ltd; Hebei Feipu Environmental Protection Technology Co. Ltd; Qingdao West Coast Rail Transit Co., Ltd  
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 (21) 2020385366 (22) 20.07.2020  
 (54) Method of treating tunnel collapse using pavilion support  
 (51) Int. Cl.  
*E21D 11/10* ( 2006.01 )  
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 (74) Shelston IP Pty Ltd.
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- (71) Shell Shock Technologies LLC  
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 (21) 2021221925 (22) 27.08.2021  
 (54) Fire Arm Cartridge and Method of Making  
 (51) Int. Cl.  
*F42B 5/285* ( 2006.01 )  
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 (43) 30.09.2021  
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 (74) WRAYS PTY LTD
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- (71) Simpson Strong-Tie Company  
 (11) AU-A-2021229119  
 (21) 2021229119 (22) 06.09.2021  
 (54) Moment frame connector  
 (51) Int. Cl.  
*E04B 1/38* ( 2006.01 )  
*E04B 1/98* ( 2006.01 )  
*E04C 3/00* ( 2006.01 )  
 (43) 30.09.2021  
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 (74) Davies Collison Cave Pty Ltd
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- (71) Skoot Ride.Com Ltd  
 (11) AU-A-2021201480  
 (21) 2021201480 (22) 09.03.2021  
 (54) Transport coordination system  
 (51) Int. Cl.  
*G06Q 50/30* ( 2012.01 )  
*H04W 4/029* ( 2018.01 )  
*H04W 8/02* ( 2009.01 )  
 (31) 16/819,810 (32) 16.03.20 (33) US  
 (43) 30.09.2021  
 (72) GORMLEY, Greg  
 (74) FB Rice Pty Ltd
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- (71) Skoot Ride.Com Ltd  
 (11) AU-A-2021201481  
 (21) 2021201481 (22) 09.03.2021  
 (54) Transport coordination system
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- (51) Int. Cl.  
*G06Q 50/30* ( 2012.01 )  
*H04W 4/029* ( 2018.01 )  
 (31) 16/819,880 (32) 16.03.20 (33) US  
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 (74) FB Rice Pty Ltd
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- (71) Smart Wires Inc.  
 (11) AU-A-2021201383  
 (21) 2021201383 (22) 03.03.2021  
 (54) Modular facts devices with external fault current protection within the same impedance injection module  
 (51) Int. Cl.  
*H02J 3/12* ( 2006.01 )  
*H02J 3/18* ( 2006.01 )  
*H02J 13/00* ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd
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- (71) Snagg, R.  
 (11) AU-A-2020427919  
 (21) 2020427919 (22) 20.05.2020  
 (54) Wireless communication headset system  
 (51) Int. Cl.  
*H04W 76/14* ( 2018.01 )  
 (31) 16/813,980 (32) 10.03.20 (33) US  
 (43) 30.09.2021  
 (72) SNAGG, Ronald  
 (74) Patenteur Pty Ltd
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- (71) Snap-on Incorporated  
 (11) AU-A-2021225146  
 (21) 2021225146 (22) 30.08.2021  
 (54) Wireless torque wrench with torque specifications  
 (51) Int. Cl.  
*G01L 5/24* ( 2006.01 )  
*B25B 21/00* ( 2006.01 )  
*B25B 23/147* ( 2006.01 )  
 (31) 17/007,546 (32) 31.08.20 (33) US  
 (43) 30.09.2021  
 (62) 2019240696  
 (72) KING, Jerry A.; LEE, Nathan J.; LAWTON, Christopher  
 (74) Griffith Hack
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- (71) SOLAR ANALYTICS PTY LTD  
 (11) AU-A-2021206801  
 (21) 2021206801 (22) 19.07.2021  
 (54) Resource Supply Management System and Method  
 (51) Int. Cl.  
*G06Q 10/00* ( 2012.01 )  
*G01R 22/00* ( 2006.01 )  
*H02J 13/00* ( 2006.01 )  
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 (72) Mrakas, Chris  
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 (11) AU-A-2021225226  
 (21) 2021225226 (22) 03.09.2021  
 (54) An adaptive rail inspection carriage  
 (51) Int. Cl.  
**B61K 9/10** ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2017206879  
 (72) Kocur, Jan; Morehouse, Daniel  
 (74) Davies Collison Cave Pty Ltd

(71) Steelhead LNG (ASLNG) Ltd.  
 (11) AU-A-2021225234  
 (21) 2021225234 (22) 03.09.2021  
 (54) Liquefaction apparatus, methods, and systems  
 (51) Int. Cl.  
**B63B 27/34** ( 2006.01 )  
**B63B 25/12** ( 2006.01 )  
**B63B 25/16** ( 2006.01 )  
**B63B 35/00** ( 2020.01 )  
**B63B 71/00** ( 2020.01 )  
**B67D 9/00** ( 2010.01 )  
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 (72) BRIGDEN, Alex; REMFRY, Angus; CUNIAL, Glen; BOGUSLAWSKI, Tom  
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(71) Stryker Australia PTY LTD  
 (11) AU-A-2021201644  
 (21) 2021201644 (22) 16.03.2021  
 (54) Automated cut planning for removal of diseased regions  
 (51) Int. Cl.  
**A61B 34/10** ( 2016.01 )  
**A61B 17/56** ( 2006.01 )  
**A61B 34/20** ( 2016.01 )  
**A61B 34/30** ( 2016.01 )  
**G06F 30/27** ( 2020.01 )  
**G06T 7/10** ( 2017.01 )  
**G16H 20/40** ( 2018.01 )  
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 (72) Hill, David Gibson; Williamson, Tom Michael; Lai, Chow Yin  
 (74) Davies Collison Cave Pty Ltd

(71) Stryker Corporation  
 (11) AU-A-2021225258  
 (21) 2021225258 (22) 03.09.2021  
 (54) MANIFOLD FOR MEDICAL WASTE COLLECTION DEVICE  
 (51) Int. Cl.  
**A61M 1/00** ( 2006.01 )  
**B01D 29/00** ( 2006.01 )  
**B01D 29/44** ( 2006.01 )  
**B01D 29/88** ( 2006.01 )  
**B01D 35/28** ( 2006.01 )  
**B01D 35/30** ( 2006.01 )  
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 (72) Gavlak, William; Grambergs, Richard; Fisher, Michael A.; Glatzer, Michael J.; Krevitt, Roland  
 (74) Davies Collison Cave Pty Ltd

(71) Takeda GmbH; Takeda Pharmaceutical Company Limited  
 (11) AU-A-2021225156  
 (21) 2021225156 (22) 31.08.2021  
 (54) UTI fusion proteins  
 (51) Int. Cl.  
**C07K 14/81** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
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 (62) 2019204448  
 (72) CHAMBERLAIN, Aaron; LIU, Qiang; SCHMIDT, Mathias  
 (74) Griffith Hack

**Takeda Pharmaceutical Company Limited see Takeda GmbH**  
 (21) 2021225156

(71) Tevel Aerobotics Technologies LTD.  
 (11) AU-A-2021201619  
 (21) 2021201619 (22) 15.03.2021  
 (54) Device and method for fruit harvesting  
 (51) Int. Cl.  
**A01D 46/30** ( 2006.01 )  
 (31) 273316 (32) 15.03.20 (33) IL  
 (43) 30.09.2021  
 (72) MAOR, Yaniv; SHIFMAN, Elad; ELI, Moshe  
 (74) Griffith Hack

**The Board of Regents of the University of Texas System see Immune Sensor, LLC**  
 (21) 2021225151

(71) The Board of Regents of the University of Texas System  
 (11) AU-A-2021225244  
 (21) 2021225244 (22) 03.09.2021  
 (54) Compositions for the delivery of tRNA as nanoparticles and methods of use therewith  
 (51) Int. Cl.  
**C07C 321/14** ( 2006.01 )  
**A61K 31/7125** ( 2006.01 )  
**A61K 47/20** ( 2006.01 )  
**A61K 47/22** ( 2006.01 )  
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 (72) Thomas, Philip J.; Siegwart, Daniel J.; Johnson, Arthur E.; Torres, Michael J.; Miller, Jason B.  
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

(71) The Boeing Company  
 (11) AU-A-2021200719  
 (21) 2021200719 (22) 04.02.2021  
 (54) Paint design template production and associated systems and methods  
 (51) Int. Cl.  
**G06T 11/60** ( 2006.01 )  
**B05B 12/28** ( 2018.01 )  
 (31) 16/820,490 (32) 16.03.20 (33) US

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 (74) Spruson & Ferguson

(71) The Boeing Company  
 (11) AU-A-2021201191  
 (21) 2021201191 (22) 24.02.2021  
 (54) Cross-layer design for closed loop feedback in a wireless network  
 (51) Int. Cl.  
**H04W 72/04** ( 2009.01 )  
**H04L 12/12** ( 2006.01 )  
**H04L 29/02** ( 2006.01 )  
 (31) 16/816,087 (32) 11.03.20 (33) US  
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 (72) Scott, James P.; La Rue, David; Smith, Dale L.; Taylor, Nemo Z.  
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(71) The Boeing Company  
 (11) AU-A-2021201546  
 (21) 2021201546 (22) 11.03.2021  
 (54) Locking mechanism for fall protection  
 (51) Int. Cl.  
**E04G 5/14** ( 2006.01 )  
**B64F 5/10** ( 2017.01 )  
**E04G 1/15** ( 2006.01 )  
**E05B 17/20** ( 2006.01 )  
 (31) 16/816,461 (32) 12.03.20 (33) US  
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 (72) HAMMOND, James F.; DEHART, Kory, K.; OROZCO, Leopold  
 (74) FB Rice Pty Ltd

**The Johns Hopkins University see Nacuity Pharmaceuticals, Inc.**  
 (21) 2021225263

(71) The NOCO Company  
 (11) AU-A-2021229221  
 (21) 2021229221 (22) 09.09.2021  
 (54) Rechargeable battery jump starting device with a dual battery diode bridge system  
 (51) Int. Cl.  
**F02N 11/14** ( 2006.01 )  
**B60L 50/50** ( 2019.01 )  
**H02J 7/00** ( 2006.01 )  
 (43) 30.09.2021  
 (62) 2018335282  
 (72) NOOK, Jonathan Lewis; NOOK, William Knight; STANFIELD, James Richard; UNDERHILL, Derek Michael  
 (74) Griffith Hack

**The Regents of the University of California see Howard Hughes Medical Institute**  
 (21) 2021225247

(71) Touch Networks Australia Pty Ltd  
 (11) AU-A-2021229147  
 (21) 2021229147 (22) 07.09.2021

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(54) Identification system and method

(51) Int. Cl.  
**G06F 21/00** ( 2013.01 )  
**H04L 9/32** ( 2006.01 )

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(72) Cleeve, Adrian Xavier  
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(71) University of Massachusetts

(11) AU-A-2021225250  
(21) 2021225250 (22) 03.09.2021

(54) NEGATIVE PRESSURE WOUND  
CLOSURE DEVICE

(51) Int. Cl.  
**A61B 17/03** ( 2006.01 )

(43) 30.09.2021  
(62) 2020202961  
(72) Dunn, Raymond M.  
(74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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(71) Vericool, Inc.

(11) AU-A-2021225159  
(21) 2021225159 (22) 31.08.2021

(54) INSULATED SHIPPING CONTAINER  
AND METHOD OF MAKING

(51) Int. Cl.  
**B65D 81/38** ( 2006.01 )  
**B65D 81/02** ( 2006.01 )

(43) 30.09.2021  
(62) 2016304711  
(72) Lantz, Gary. W  
(74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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(71) Waymo LLC

(11) AU-A-2021225219  
(21) 2021225219 (22) 02.09.2021

(54) MIRROR ASSEMBLY

(51) Int. Cl.  
**G01S 7/481** ( 2006.01 )

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(62) 2020220206  
(72) Gassend, Blaise; Droz, Pierre-Yves; Ingram, Benjamin T.  
(74) RnB IP Pty Ltd

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(71) Weber, P.

(11) AU-A-2021229166  
(21) 2021229166 (22) 07.09.2021

(54) APPARATUS AND SYSTEMS FOR  
MINIMALLY INVASIVE DISSECTION  
OF TISSUES

(51) Int. Cl.  
**A61B 18/04** ( 2006.01 )  
**A61B 17/3209** ( 2006.01 )  
**A61B 18/00** ( 2006.01 )  
**A61B 18/12** ( 2006.01 )  
**A61B 18/14** ( 2006.01 )  
**A61B 18/18** ( 2006.01 )  
**A61B 18/20** ( 2006.01 )

(43) 30.09.2021  
(62) 2021204373  
(72) Weber, Paul  
(74) Paul Weber

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(71) WhiteHawk CEC Inc.

(11) AU-A-2021229151  
(21) 2021229151 (22) 07.09.2021

(54) Decision support system and methods  
associated with same

(51) Int. Cl.  
**G06Q 30/02** ( 2012.01 )

(43) 30.09.2021  
(62) 2018219291  
(72) CRUZ-RIVERA, Luis J.  
(74) Spruson & Ferguson

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(71) WILD FLAVORS, INC.

(11) AU-A-2021225149  
(21) 2021225149 (22) 31.08.2021

(54) NATURAL COLORANTS AND PRO-  
CESSES OF MAKING THE SAME

(51) Int. Cl.  
**C09B 61/00** ( 2006.01 )  
**A23L 5/43** ( 2016.01 )  
**C09B 69/00** ( 2006.01 )  
**D06P 1/34** ( 2006.01 )  
**D06P 1/46** ( 2006.01 )

(43) 30.09.2021  
(62) 2016333976  
(72) HORN, Gregory; MURPHY, Lori; WU, Shaowen; HILALY, Ahmad; STIDHAM, Laura  
(74) AJ PARK

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(71) W JOHNSON PTY LTD

(11) AU-A-2020201698  
(21) 2020201698 (22) 06.03.2020

(54) TMS Car Transport Skid

(51) Int. Cl.  
**B60P 1/64** ( 2006.01 )  
**B62D 33/02** ( 2006.01 )  
**B65D 19/44** ( 2006.01 )

(43) 30.09.2021  
(72) Johnson, Wesley  
(74) W JOHNSON PTY LTD

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<b>2020201698</b>	W JOHNSON PTY LTD	<b>2021225145</b>	FISHER & PAYKEL HEALTHCARE LIMITED
<b>2020201753</b>	Canon Kabushiki Kaisha	<b>2021225146</b>	Snap-on Incorporated
<b>2020201761</b>	Hunckler Fabrication LLC	<b>2021225147</b>	Koninklijke Douwe Egberts B.V.
<b>2020201836</b>	A60N Group Pty Ltd	<b>2021225149</b>	WILD FLAVORS, INC.
<b>2020201878</b>	Redpath, J.	<b>2021225151</b>	Immune Sensor, LLC; The Board of Regents of the University of Texas System
<b>2020201906</b>	Parkins, D.	<b>2021225156</b>	Takeda GmbH; Takeda Pharmaceutical Company Limited
<b>2020223696</b>	Hankuk Paper Mfg. Co., Ltd	<b>2021225157</b>	Senhwa Biosciences, Inc.
<b>2020223700</b>	Hankuk Paper MFG. Co., Ltd	<b>2021225158</b>	KIVU CONSULTING, INC.
<b>2020239725</b>	Apple Inc.	<b>2021225159</b>	Vericool, Inc.
<b>2020239731</b>	Apple Inc.	<b>2021225160</b>	Millennium Pharmaceuticals, Inc.
<b>2020239732</b>	Apple Inc.	<b>2021225161</b>	Loxo Oncology, Inc.
<b>2020294195</b>	Intel Corporation	<b>2021225162</b>	Loxo Oncology, Inc.
<b>2020294199</b>	Intel Corporation	<b>2021225163</b>	Google LLC
<b>2020385366</b>	Shandong University of Science and Technology; China Communications Construction Co., LTD.; Qingdao First Municipal Engineering Co., Ltd; Hebei Feipu Environmental Protection Technology Co. Ltd; Qingdao West Coast Rail Transit Co., Ltd	<b>2021225167</b>	Intelligent Cleaning Equipment Holdings Co. Ltd.; Chen, N.P.S.
<b>2020427919</b>	Snagg, R.	<b>2021225169</b>	NEUROBIOGEN CO., LTD.
<b>2021200659</b>	Downhole Products Limited	<b>2021225170</b>	Infastech Intellectual Properties Pte. Ltd.
<b>2021200719</b>	The Boeing Company	<b>2021225172</b>	Confluence Pharmaceuticals, LLC
<b>2021200847</b>	Deere & Company	<b>2021225173</b>	Google LLC
<b>2021201019</b>	Deere & Company	<b>2021225177</b>	BRISTOL-MYERS SQUIBB COMPANY
<b>2021201020</b>	Deere & Company	<b>2021225178</b>	ADVERUM BIOTECHNOLOGIES, INC.
<b>2021201021</b>	Deere & Company	<b>2021225180</b>	Dana-Farber Cancer Institute, Inc.
<b>2021201022</b>	Deere & Company	<b>2021225181</b>	Maxeon Solar, Pte Ltd.
<b>2021201191</b>	The Boeing Company	<b>2021225182</b>	Sedonasys Systems Ltd
<b>2021201323</b>	Illinois Tool Works Inc.	<b>2021225184</b>	MORINAGA MILK INDUSTRY CO., LTD.
<b>2021201340</b>	Fada Pty Ltd	<b>2021225187</b>	FUJIFILM Cellular Dynamics, Inc.
<b>2021201383</b>	Smart Wires Inc.	<b>2021225189</b>	Ginkgo Bioworks, Inc.
<b>2021201442</b>	Lotus Folding Walls & Doors Pty Ltd	<b>2021225190</b>	FISHER & PAYKEL HEALTHCARE LIMITED
<b>2021201450</b>	Air Supplies Holland B.V.	<b>2021225192</b>	Miller, S.
<b>2021201480</b>	Skoot Ride.Com Ltd	<b>2021225194</b>	Google LLC
<b>2021201481</b>	Skoot Ride.Com Ltd	<b>2021225195</b>	Adimab, LLC
<b>2021201490</b>	EXEL Industries	<b>2021225196</b>	MedicalTree Patent Ltd
<b>2021201491</b>	Czech Technical University in Prague	<b>2021225198</b>	De Ridder, D.
<b>2021201492</b>	Czech Technical University in Prague	<b>2021225199</b>	Enix Co., Ltd.
<b>2021201501</b>	Air Products and Chemicals, Inc.	<b>2021225200</b>	Neximmune, Inc
<b>2021201502</b>	DEVPAT, LLC	<b>2021225201</b>	Acceleron Pharma Inc.
<b>2021201507</b>	PRYSMIAN S.p.A.	<b>2021225202</b>	Retrotope, Inc.
<b>2021201509</b>	ALSTOM Transport Technologies	<b>2021225210</b>	BeulahWorks, LLC
<b>2021201526</b>	Illinois Tool Works Inc.	<b>2021225211</b>	Ligand Pharmaceuticals, Inc.
<b>2021201546</b>	The Boeing Company	<b>2021225215</b>	Sanofi
<b>2021201562</b>	Chevron Australia Pty Ltd; Chevron U.S.A. Inc.	<b>2021225216</b>	Case Western Reserve University
<b>2021201575</b>	Joy Global Underground Mining LLC	<b>2021225217</b>	PPG Industries Ohio, Inc.
<b>2021201619</b>	Tevel Aerobotics Technologies LTD.	<b>2021225219</b>	Waymo LLC
<b>2021201620</b>	Lightning Protection International Pty Ltd	<b>2021225221</b>	ASSIA SPE, LLC
<b>2021201626</b>	Habitech Pty Ltd	<b>2021225224</b>	Monsanto Technology LLC
<b>2021201644</b>	Stryker Australia PTY LTD	<b>2021225225</b>	3-D Matrix, Ltd.
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<b>2021221672</b>	Gallagher eShepherd Pty Ltd	<b>2021225232</b>	Agriculture Victoria Services Pty Ltd
<b>2021221859</b>	President and Fellows of Harvard College	<b>2021225233</b>	OCEAN SUN AS
<b>2021221860</b>	Chairman, Defence Research & Development Organisation	<b>2021225234</b>	Steelhead LNG (ASLNG) Ltd.
<b>2021221916</b>	BTL Healthcare Technologies a.s.	<b>2021225235</b>	Bayer HealthCare LLC
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<b>2021225133</b>	Nektar Therapeutics	<b>2021225242</b>	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
<b>2021225134</b>	Alexion Pharmaceuticals, Inc.	<b>2021225243</b>	Chart Energy & Chemicals, Inc.
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<b>2021225141</b>	Magenta Medical Ltd.	<b>2021225247</b>	Howard Hughes Medical Institute; The Regents of the University of California
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2021225250 University of Massachusetts  
2021225251 Nimbus Lakshmi, Inc.  
2021225254 Aristocrat Technologies Australia Pty Limited  
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2021225257 Angel Group Co., Ltd.  
2021225258 Stryker Corporation  
2021225259 GREE ELECTRIC APPLIANCES, INC.  
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2021229119 Simpson Strong-Tie Company  
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2021229142 Novartis AG; Brien Holden Vision Institute  
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2021229164 Kyoto University; OTSUKA CHEMICAL CO., LTD.  
2021229166 Weber, P.  
2021229167 Apple Inc.  
2021229221 The NOCO Company

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**Innovation Patents Open to Public Inspection**

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. (\*) Title not in Roman characters

. (\*\*) Title not given

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

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- (71) 63963 Unit of the Chinese People's Liberation Army; Shenyang Shunyi Technology Company Limited  
 (11) AU-A-2021104744  
 (21) 2021104744 (22) 05.08.2021  
 (54) METHOD AND SYSTEM FOR STATUS MONITORING AND FAULT EARLY WARNING BASED ON LUBRICATING OIL LIQUID  
 (51) Int. Cl.  
*G05B 23/02* ( 2006.01 )  
*G05B 13/04* ( 2006.01 )  
*G06N 3/00* ( 2006.01 )  
*G06N 3/02* ( 2006.01 )  
*G06N 3/08* ( 2006.01 )  
 (45) 30.09.2021  
 (72) CHEN, Yuefeng; LI, Yingshun; MA, Xiong; WANG, Jinyang; ZHAO, Yuxin  
 (74) Patentec Patent Attorneys
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- (71) Academy of Agricultural Sciences of Enshi Tujia and Miao Autonomous Prefecture; Institute of traditional Chinese medicine, Hubei Academy of Agricultural Sciences  
 (11) AU-A-2021104815  
 (21) 2021104815 (22) 02.08.2021  
 (54) Traditional Chinese Veterinary Medicine Containing Selenium-enriched Probiotics for Enhancing Chicken Resistance and Formulation Thereof  
 (51) Int. Cl.  
*A61K 35/742* ( 2015.01 )  
*A23K 10/18* ( 2016.01 )  
*A23K 10/30* ( 2016.01 )  
*A23K 50/75* ( 2016.01 )  
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*A61K 36/8966* ( 2006.01 )  
*A61P 37/04* ( 2006.01 )  
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 (45) 30.09.2021  
 (72) Tan, Dejun; Ma, Jin; Wang, Guogui; Zhu, Yunfen; Chen, Xiaofei; Li, Rong; Xie, Junhui; Zhu, Lin  
 (74) Alder IP Pty Ltd
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- (71) Agro-Environmental Protection Institute, Ministry of Agriculture and Rural Affairs  
 (11) AU-A-2021105052  
 (21) 2021105052 (22) 06.08.2021  
 (54) ADJUSTABLE MULTI-SOIL-LAYERING SYSTEM FOR TREATING SEWAGE IN STEADY STATE  
 (51) Int. Cl.  
*C02F 3/04* ( 2006.01 )  
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*E03F 5/14* ( 2006.01 )  
*B09C 1/08* ( 2006.01 )  
*C02F 1/00* ( 2006.01 )  
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 (45) 30.09.2021  
 (72) Xu, Yan; Li, Houyu; Zheng, Xiangqun; Tan, Lu; Zhang, Chunxue; Liu, Fang  
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- (71) AI, X.  
 (11) AU-A-2021104822  
 (21) 2021104822 (22) 02.08.2021  
 (54) Fall Prevention Device for Trains  
 (51) Int. Cl.  
*B61D 23/02* ( 2006.01 )  
*B61D 19/02* ( 2006.01 )  
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 (45) 30.09.2021  
 (72) AI, Xiaona; AI, Quan  
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- (71) Anshan Power Supply Company, State Grid Liaoning Power Co., Ltd.; North China Electric Power University; State Grid Corporation of China  
 (11) AU-A-2021104984  
 (21) 2021104984 (22) 05.08.2021  
 (54) Step-by-step safety checking method and system for medium and long-term electric power transactions  
 (51) Int. Cl.  
*G05B 13/04* ( 2006.01 )  
*G06Q 10/04* ( 2012.01 )  
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*G06Q 50/06* ( 2012.01 )  
*H02J 3/46* ( 2006.01 )  
*H02J 4/00* ( 2006.01 )  
 (45) 30.09.2021  
 (72) Ning, Liaoyi; Ren, Shoudong; Liu, Dunnan; Liang, Kai; Liu, Yu; He, Huan; Jin, Yukun; Gao, Yang; Cai, Zhiyuan; Zhu, Haoze  
 (74) Alder IP Pty Ltd
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**Arulraj, M. see Thirumoorthy, A.**  
 (21) 2021101569

- (71) Battery Graphene Corp Pty Ltd  
 (11) AU-A-2021104927  
 (21) 2021104927 (22) 04.08.2021  
 (54) A battery management system assembly  
 (51) Int. Cl.  
*H01M 10/63* ( 2014.01 )  
*G05D 23/19* ( 2006.01 )  
*H01M 10/613* ( 2014.01 )  
*H01M 10/615* ( 2014.01 )  
*H01M 10/65* ( 2014.01 )  
*H02J 7/00* ( 2006.01 )  
*H02J 7/14* ( 2006.01 )  
*H01M 10/0525* ( 2010.01 )  
*H01M 10/625* ( 2014.01 )  
*H02J 1/10* ( 2006.01 )  
 (45) 30.09.2021  
 (72) Spooner, Dominic; Douven, Jerome  
 (74) Spruson & Ferguson
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**BEIJING RESEARCH CENTER FOR AGRICULTURAL STANDARDS AND TESTING see SHIJIAZHUANG TECHNOLOGY CENTER FOR CUSTOMS DISTRICT P.R.CHINA**  
 (21) 2021105058

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- (71) BEIJING RESEARCH CENTER FOR AGRICULTURAL STANDARDS AND TESTING; SHIJIAZHUANG TECHNOLOGY CENTER FOR CUSTOMS DISTRICT P.R.CHINA; North China Electric Power University; Hebei Medical University  
 (11) AU-A-2021105059  
 (21) 2021105059 (22) 06.08.2021  
 (54) HORSERADISH PEROXIDASE BASED SULFIDE ION RAPID DETECTION METHOD  
 (51) Int. Cl.  
*G01N 21/76* ( 2006.01 )  
*C12Q 1/28* ( 2006.01 )  
*G01N 33/00* ( 2006.01 )  
*G01N 33/18* ( 2006.01 )  
*G01N 33/58* ( 2006.01 )  
 (45) 30.09.2021  
 (72) ZHEN, JIANHUI; LIU, YUHENG; LIANG, GANG; HOU, JING; ZHAO, MIAN; GONG, WENWEN; CHEN, RUICHUN; ZHAO, JIE; LIU, QINGJU  
 (74) Alder IP Pty Ltd
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- (71) Beijing University of Posts and Telecommunications  
 (11) AU-A-2021104939  
 (21) 2021104939 (22) 04.08.2021  
 (54) METHOD AND DEVICE FOR ALLOCATING RESOURCES  
 (51) Int. Cl.

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**H04L 5/00** ( 2006.01 )  
**H04W 28/16** ( 2009.01 )  
**H04W 72/04** ( 2009.01 )  
**(31)** 202110775432.X **(32)** 08.07.21 **(33)** CN  
**(45)** 30.09.2021  
**(72)** Zhao, Yongli; Li, Lin; Liu, Yikai; He, Xinyi; Wang, Wei; Yu, Xiaosong; Zhang, Jie  
**(74)** Madderns Pty Ltd
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- (71)** Beijing University of Posts and Telecommunications  
**(11)** AU-A-2021104940  
**(21)** 2021104940 **(22)** 04.08.2021  
**(54)** METHOD AND DEVICE FOR TRANSMITTING A SIGNALING PACKET  
**(51)** Int. Cl.  
**H04L 29/02** ( 2006.01 )  
**H04L 12/28** ( 2006.01 )  
**H04L 12/54** ( 2013.01 )  
**H04L 12/66** ( 2006.01 )  
**H04L 29/06** ( 2006.01 )  
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**(45)** 30.09.2021  
**(72)** Zhao, Yongli; Li, Xin; Liu, Yikai; Li, Zhuotong; Li, Yajie; Wang, Wei; Zhang, Jie  
**(74)** Madderns Pty Ltd
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- (71)** Beijing Xiangyun Tongda Civil Engineering Co. LTD.; Tsinghua university  
**(11)** AU-A-2021104862  
**(21)** 2021104862 **(22)** 03.08.2021  
**(54)** Road Roughness Detector  
**(51)** Int. Cl.  
**G01B 11/30** ( 2006.01 )  
**E01C 23/01** ( 2006.01 )  
**G01N 21/84** ( 2006.01 )  
**G01S 17/89** ( 2020.01 )  
**G06T 7/521** ( 2017.01 )  
**B60R 11/00** ( 2006.01 )  
**G01S 17/08** ( 2006.01 )  
**(45)** 30.09.2021  
**(72)** Fang, Tuo; Zhang, Qiuxiang  
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- Beijing Zhongyan Tiandi Technology Co., Ltd. see Yunnan Communications Investment & Construction Group Co., Ltd.**  
**(21)** 2021104707
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- (71)** Bestee Material (Tsingtao) Co., Ltd.  
**(11)** AU-A-2021105065  
**(21)** 2021105065 **(22)** 06.08.2021  
**(54)** PLANT-BASED FUNCTIONAL POLYESTER FILAMENT AND PREPARATION THEREOF  
**(51)** Int. Cl.  
**D01F 1/10** ( 2006.01 )  
**C08B 37/08** ( 2006.01 )  
**C08J 3/20** ( 2006.01 )  
**C08J 3/22** ( 2006.01 )  
**C08L 5/08** ( 2006.01 )  
**D01F 6/62** ( 2006.01 )  
**D01F 6/92** ( 2006.01 )
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**(74)** Madderns Pty Ltd
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- (71)** Beyond Materials Group PTY LTD  
**(11)** AU-A-2021104691  
**(21)** 2021104691 **(22)** 29.07.2021  
**(54)** FRP reinforcement bar with improved recycled glass coating  
**(51)** Int. Cl.  
**B29C 70/08** ( 2006.01 )  
**B29C 70/52** ( 2006.01 )  
**E04C 5/07** ( 2006.01 )  
**B29K 31/00** ( 2006.01 )  
**B29K 63/00** ( 2006.01 )  
**B29K 105/26** ( 2006.01 )  
**B29K 307/04** ( 2006.01 )  
**B29K 509/08** ( 2006.01 )  
**B29L 31/06** ( 2006.01 )  
**(45)** 30.09.2021  
**(72)** Yatsenko, Dmitry  
**(74)** DIMAX GROUP PTY LTD
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- Biomar Group A/S see DSM IP Assets B.V.**  
**(21)** 2021104909
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- (71)** Bloxsom, B.  
**(11)** AU-A-2021104820  
**(21)** 2021104820 **(22)** 02.08.2021  
**(54)** AN EAR VISOR  
**(51)** Int. Cl.  
**A42B 1/0188** ( 2021.01 )  
**(45)** 30.09.2021  
**(72)** Bloxsom, Bradley  
**(74)** Wynnes Patent and Trade Mark Attorneys Pty Ltd
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- (71)** Bolack, R.  
**(11)** AU-A-2021105113  
**(21)** 2021105113 **(22)** 09.08.2021  
**(54)** Modular Spine Orthotic System  
**(51)** Int. Cl.  
**A61G 13/00** ( 2006.01 )  
**A61F 5/01** ( 2006.01 )  
**A61F 5/30** ( 2006.01 )  
**A61G 13/10** ( 2006.01 )  
**A61G 13/12** ( 2006.01 )  
**A61H 23/00** ( 2006.01 )  
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**(45)** 30.09.2021  
**(72)** Bolack, Robert  
**(74)** Robert Cameron Bolack
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- (71)** Bower, G.; Kirkman, T.  
**(11)** AU-A-2021104873  
**(21)** 2021104873 **(22)** 03.08.2021  
**(54)** An audio-visual analysing system for automated presentation delivery feedback generation  
**(51)** Int. Cl.  
**G10L 15/10** ( 2006.01 )  
**G10L 15/26** ( 2006.01 )  
**G10L 25/57** ( 2013.01 )  
**G10L 15/08** ( 2006.01 )
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**(74)** Patentec Patent Attorneys
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- (71)** Brown, T.  
**(11)** AU-A-2021104875  
**(21)** 2021104875 **(22)** 03.08.2021  
**(54)** A RAPID RESPONSE COLLAR SYSTEM  
**(51)** Int. Cl.  
**A01K 27/00** ( 2006.01 )  
**A01K 15/02** ( 2006.01 )  
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**(72)** Brown, Thomas  
**(74)** Wynnes Patent and Trade Mark Attorneys Pty Ltd
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- (71)** Bruckbauer, W.  
**(11)** AU-A-2021105061  
**(21)** 2021105061 **(22)** 06.08.2021  
**(54)** Extractor fan apparatus for extracting cooking vapours downwards  
**(51)** Int. Cl.  
**F24C 15/20** ( 2006.01 )  
**B08B 15/02** ( 2006.01 )  
**(45)** 30.09.2021  
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**(72)** Neunhauserer, Daniel; Lacatusu, Philipp; Schadeck, Alexander; Eschbaum, Philipp; Gossler, Siegfried; Blersch, Mario  
**(74)** Gestalt Law Pty Ltd
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- (71)** Brunswick, C.  
**(11)** AU-A-2021105116  
**(21)** 2021105116 **(22)** 09.08.2021  
**(54)** Tool tray apparatus for elevated work platforms  
**(51)** Int. Cl.  
**F16M 13/02** ( 2006.01 )  
**E04G 5/00** ( 2006.01 )  
**E06C 7/14** ( 2006.01 )  
**E04D 15/00** ( 2006.01 )  
**(31)** 2020902833 **(32)** 11.08.20 **(33)** AU  
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**(74)** Patentec Patent Attorneys
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**(11)** AU-A-2021104829  
**(21)** 2021104829 **(22)** 02.08.2021  
**(54)** Method and Apparatus for Estimating Tree Fruit Load and Harvesting Time  
**(51)** Int. Cl.  
**G01N 21/84** ( 2006.01 )  
**G06Q 50/02** ( 2012.01 )  
**(45)** 30.09.2021  
**(72)** Walsh, Kerry  
**(74)** HopgoodGanim
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**(11)** AU-A-2021104742  
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 (51) Int. Cl.  
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*C12M 1/42* ( 2006.01 )  
 (45) 30.09.2021  
 (62) PCT/CN2020/070558  
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 (74) Madderns Pty Ltd

**Chhabra, G.S. see Sharma, N.**  
 (21) 2021102957

**China Animal Health and Epidemiology Center see Qingdao Agricultural University**  
 (21) 2021104653

(71) China Construction Industrial & Energy Engineering Group Co., Ltd; Tianjin University  
 (11) AU-A-2021104798  
 (21) 2021104798 (22) 02.08.2021  
 (54) Countercurrent Exchange Membrane Distillation Device  
 (51) Int. Cl.  
*C02F 1/44* ( 2006.01 )  
*B01D 61/36* ( 2006.01 )  
*B01D 63/02* ( 2006.01 )  
*C02F 101/12* ( 2006.01 )  
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 (74) Alder IP Pty Ltd

(71) China Construction Industrial & Energy Engineering Group Co., Ltd.; Tianjin University  
 (11) AU-A-2021104718  
 (21) 2021104718 (22) 29.07.2021  
 (54) Device and Method for Deeply Removing Sulfide in Circulating methanol of the rectisol by Extractive Distillation  
 (51) Int. Cl.  
*C07C 29/84* ( 2006.01 )  
*B01D 3/40* ( 2006.01 )  
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*B01D 53/14* ( 2006.01 )  
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 (74) Alder IP Pty Ltd

(71) CHINA ELECTRIC POWER RESEARCH INSTITUTE CO., LTD.; Huazhong University of Science and Technology  
 (11) AU-A-2021104699  
 (21) 2021104699 (22) 29.07.2021

(54) SYSTEM AND METHOD FOR MULTI-DIMENSIONAL BALANCED MAGNETIC FIELD MEASUREMENT  
 (51) Int. Cl.  
*G01R 33/00* ( 2006.01 )  
*G01R 33/02* ( 2006.01 )  
 (45) 30.09.2021  
 (72) ZHOU, Feng; FAN, Jiawei; LONG, Zhaozhi; LI, Wenting; LIU, Yi; LIU, Shaobo; HU, Kangmin; LEI, Min  
 (74) Patentec Patent Attorneys

(71) China Railway 18th Bureau Group Co., Ltd.; International company, China Railway 18th Bureau Group Co., Ltd.  
 (11) AU-A-2021103065  
 (21) 2021103065 (22) 03.06.2021  
 (54) Water Bag-Based Cooling and Noise Reduction Structure for Multi-Head Large-Scale Ventilation Unit of Double-Track Tunnel  
 (51) Int. Cl.  
*F24F 13/24* ( 2006.01 )  
*E01F 8/00* ( 2006.01 )  
*E21F 1/00* ( 2006.01 )  
*F24F 7/007* ( 2006.01 )  
 (45) 30.09.2021  
 (72) Xi, Jufa; Zhang, Xiangping; Zhang, Xin  
 (74) Clark Intellectual Property Pty Ltd

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 (21) 2021105107

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**CHINA RAILWAY BRIDGE SCIENCE RESEARCH INSTITUTE, LTD. see CHINA RAILWAY MAJOR BRIDGE ENGINEERING GROUP CO., LTD**  
 (21) 2021105109

**CHINA RAILWAY BRIDGE SCIENCE RESEARCH INSTITUTE, LTD. see CHINA RAILWAY MAJOR BRIDGE ENGINEERING GROUP CO., LTD**  
 (21) 2021105110

(71) China Railway Liuyuan Group Co., Ltd; China Railway Tunnel Survey Design Institute co.,Ltd  
 (11) AU-A-2021104996  
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 (54) A Rapid Construction Method For Huge-Span Cave Depot In An Underground Excavation Rock Stratum And Its Supporting Structure  
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 (54) Steel-Concrete Composite Bridge Deck Structure and Bridge  
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 (74) Shelley Rowland

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 (54) Method for Monitoring Verticality Status of Driving of Large-Diameter Steel Casing in Bridge Pile Foundation Construction  
 (51) Int. Cl.  
*E02D 7/06* ( 2006.01 )  
*E01D 19/02* ( 2006.01 )  
*G01C 9/00* ( 2006.01 )  
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 (74) Shelley Rowland

(71) CHINA RAILWAY MAJOR BRIDGE ENGINEERING GROUP CO., LTD; CHINA RAILWAY BRIDGE SCIENCE RESEARCH INSTITUTE, LTD.  
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 (21) 2021105109 (22) 09.08.2021  
 (54) Method and System for Driving Safety Early Warning of Heavy-Duty Vehicle on Bridge Construction Road  
 (51) Int. Cl.  
*B60W 40/08* ( 2012.01 )  
*G08G 1/01* ( 2006.01 )  
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 (74) Shelley Rowland

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 (21) 2021105110 (22) 09.08.2021  
 (54) Stay Cable Combined Vibration Damp- ing Device and Method  
 (51) Int. Cl.  
 E01D 19/04 ( 2006.01 )  
 E01D 19/16 ( 2006.01 )  
 F16F 15/02 ( 2006.01 )  
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 (45) 30.09.2021  
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 (74) Shelley Rowland

China Railway Tunnel Survey Design In- stitute co.,ltd see China Railway Liuyuan Group Co., Ltd  
 (21) 2021104996

(71) China Urban Construction Design & Research Institute Co.,Ltd.; Shandong University  
 (11) AU-A-2021104658  
 (21) 2021104658 (22) 28.07.2021  
 (54) NITROGEN-DOPED REDUCED GRAPHENE OXIDE NANO-COMPOS- ITE AND PREPARATION METHOD AND USE THEREOF  
 (51) Int. Cl.  
 C01B 32/198 ( 2017.01 )  
 B01J 20/20 ( 2006.01 )  
 B01J 20/30 ( 2006.01 )  
 B82Y 40/00 ( 2011.01 )  
 C02F 1/28 ( 2006.01 )  
 (45) 30.09.2021  
 (72) LI, Yujiang; WANG, Quanyong; ZHAO, Ruiguang; LI, Zhenbang; WU, Tao  
 (74) Origin Patent and Trade Mark Attorneys

(71) Chinese Research Academy of Envir- onmental Sciences  
 (11) AU-A-2021104821  
 (21) 2021104821 (22) 02.08.2021  
 (54) PSFR MODEL-BASED NORTH- ERN RIVER WETLAND ECOLOGIC- AL DATAACQUISITION AND PRO- CESSING METHOD  
 (51) Int. Cl.  
 G06Q 50/02 ( 2012.01 )  
 G06Q 10/06 ( 2012.01 )  
 G06Q 50/26 ( 2012.01 )  
 H04W 4/38 ( 2018.01 )  
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 (74) Alder IP Pty Ltd

Chongqing University see North China In- stitute Of Science And Technology  
 (21) 2021104175

(71) Chongqing University; Shandong DOGUIDE Group Co., Ltd.  
 (11) AU-A-2021104692  
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 (54) METHOD FOR PREPARING FOAMED BRICKS BY USING TITANIUM GYPSUM  
 (51) Int. Cl.  
 C04B 28/14 ( 2006.01 )  
 C04B 38/10 ( 2006.01 )  
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 (74) Griffith Hack

Chowdhary, M. see Sharma, N.  
 (21) 2021102957

(71) Coulter Ventures LLC  
 (11) AU-A-2021104872  
 (21) 2021104872 (22) 03.08.2021  
 (54) Weightlifting rack assembly and wall mount bracket for a weightlifting rack assembly  
 (51) Int. Cl.  
 A63B 21/16 ( 2006.01 )  
 A63B 17/00 ( 2006.01 )  
 A63B 21/00 ( 2006.01 )  
 A63B 21/068 ( 2006.01 )  
 A63B 21/08 ( 2006.01 )  
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 (62) 2018360038  
 (72) HENNIGER, William; DUNAHAY, Nash  
 (74) Griffith Hack

(71) Coupang Corp.  
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 (54) Systems and methods for computerized balanced delivery route assignment  
 (51) Int. Cl.  
 G06Q 10/08 ( 2012.01 )  
 G06Q 10/10 ( 2012.01 )  
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 (74) FB Rice Pty Ltd

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 (54) Systems and methods for automatic package reordering using delivery wave systems  
 (51) Int. Cl.  
 G06Q 30/06 ( 2012.01 )  
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 (74) FB Rice Pty Ltd

(71) Coupang Corp.  
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 (74) FB Rice Pty Ltd

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 (54) Systems and methods for computerized balanced delivery route pre-assignment  
 (51) Int. Cl.  
 G06Q 10/08 ( 2012.01 )  
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 (74) FB Rice Pty Ltd

(71) Coupang Corp.  
 (11) AU-A-2020104455  
 (21) 2020104455 (22) 12.02.2020  
 (54) Systems, apparatuses, and methods of efficient route planning for e-commerce fulfillment  
 (51) Int. Cl.  
 G06Q 10/08 ( 2012.01 )  
 G06Q 50/30 ( 2012.01 )  
 (31) 16/290,040 (32) 01.03.19 (33) US  
 (45) 30.09.2021  
 (72) MO, Wenting; CEN, Yuanyuan  
 (74) FB Rice Pty Ltd

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 (11) AU-A-2020104456  
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 (51) Int. Cl.  
 G06Q 50/28 ( 2012.01 )  
 (31) 16/416,909 (32) 20.05.19 (33) US  
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 (54) Systems and methods for interfacing networks using a unified communication scheme  
 (51) Int. Cl.  
*H04L 29/06* ( 2006.01 )  
*G06Q 20/12* ( 2012.01 )  
*H04L 29/08* ( 2006.01 )  
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 (74) FB Rice Pty Ltd

(71) Crop Research Institute, Shandong Academy of Agricultural Sciences  
 (11) AU-A-2021104659  
 (21) 2021104659 (22) 28.07.2021  
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 (74) Alder IP Pty Ltd

(71) Higgins, J.  
 (11) AU-A-2021105047  
 (21) 2021105047 (22) 06.08.2021  
 (54) EDUCATIONAL AID  
 (51) Int. Cl.  
*G09B 23/18* ( 2006.01 )  
*G09B 5/06* ( 2006.01 )  
 (45) 30.09.2021  
 (72) Higgins, James  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) HIGH-GENE (Shanghai) BIOLOGICAL TECHNOLOGY Co., LTD.  
 (11) AU-A-2021104956  
 (21) 2021104956 (22) 05.08.2021  
 (54) Ultrafiltration Device for Use in Preparation of Jellyfish Anti-oxidation Active Peptide  
 (51) Int. Cl.  
*B01D 61/14* ( 2006.01 )  
*C07K 1/34* ( 2006.01 )  
*A61K 35/614* ( 2015.01 )  
 (45) 30.09.2021  
 (72) Li, Rongfeng; Sheng, Juhua; Wang, Weifeng; Yu, Huahua; Li, Pengcheng  
 (74) Remarkable IP

(71) HNA Group Pty Ltd  
 (11) AU-A-2021104936  
 (21) 2021104936 (22) 04.08.2021  
 (54) A SAFETY COVER AND METHODS OF USE THEREOF  
 (51) Int. Cl.  
*F16L 35/00* ( 2006.01 )  
 (45) 30.09.2021  
 (72) Hall, Craig Phillip; Lye, Anthony Charles  
 (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD

(71) Holder, J.  
 (11) AU-A-2021104931  
 (21) 2021104931 (22) 04.08.2021  
 (54) An Improved Dog Lead  
 (51) Int. Cl.  
*A01K 27/00* ( 2006.01 )  
 (45) 30.09.2021  
 (72) Holder, Jason  
 (74) LESICAR MAYNARD ANDREWS PTY LTD

(71) hong, t.  
 (11) AU-A-2021104709  
 (21) 2021104709 (22) 29.07.2021  
 (54) A SIMPLE METHOD FOR MEASURING THE CONTENT OF MICRO-FINE PARTICLES  
 (51) Int. Cl.  
*G01N 15/06* ( 2006.01 )  
*G01N 5/04* ( 2006.01 )  
 (45) 30.09.2021  
 (72) Hong, Tao  
 (74) tao hong

(71) hong, t.  
 (11) AU-A-2021104710  
 (21) 2021104710 (22) 29.07.2021  
 (54) A device for on-line measuring spigot inner diameter of hydro-cyclone  
 (51) Int. Cl.  
*G01D 11/30* ( 2006.01 )  
*G01B 3/20* ( 2006.01 )  
 (45) 30.09.2021  
 (72) Hong, Tao; Chen, Xihua  
 (74) tao hong

(71) Hospital of Chengdu University of Traditional Chinese Medicine  
 (11) AU-A-2021104911  
 (21) 2021104911 (22) 04.08.2021  
 (54) Medicine pillow for dispelling wind, relieving sneezing and preventing mite in allergic rhinitis  
 (51) Int. Cl.  
*A61K 36/238* ( 2006.01 )  
*A47G 9/10* ( 2006.01 )  
*A61K 35/64* ( 2015.01 )  
*A61K 36/232* ( 2006.01 )  
*A61K 36/236* ( 2006.01 )  
*A61K 36/268* ( 2006.01 )  
*A61K 36/28* ( 2006.01 )  
*A61K 36/346* ( 2006.01 )  
*A61K 36/53* ( 2006.01 )  
*A61K 36/534* ( 2006.01 )  
*A61K 36/538* ( 2006.01 )

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**A61K 36/575** ( 2006.01 )  
**A61K 36/605** ( 2006.01 )  
**A61P 37/08** ( 2006.01 )  
 A47G 9/00 ( 2006.01 )  
**(45)** 30.09.2021  
**(72)** Li, Xinrong; Liu, Yang; Jin, Ran; Feng, Shenglan  
**(74)** Alder IP Pty Ltd

**(71)** HP Agency Pty Ltd  
**(11)** AU-A-2021103538  
**(21)** 2021103538 **(22)** 22.06.2021  
**(54)** Safety Grate with Anti-Withdrawal Device  
**(51)** Int. Cl.  
**E02D 29/14** ( 2006.01 )  
**E02D 29/12** ( 2006.01 )  
**(45)** 30.09.2021  
**(72)** Harazim, Paul  
**(74)** Southern Cross Intellectual Property

**(71)** Huaiyin Institute of Agricultural Sciences in Xuhuai area of Jiangsu Province  
**(11)** AU-A-2021104839  
**(21)** 2021104839 **(22)** 02.08.2021  
**(54)** MORCHELLA EXTERNAL ASSISTANCE NUTRITION BAG FORMULA AND PREPARATION METHOD THEREOF  
**(51)** Int. Cl.  
**C05F 3/02** ( 2006.01 )  
**(45)** 30.09.2021  
**(72)** LI, CHUANG; CHEN, YIHANG; WANG, GUOLIAN; WANG, QING; QIN, YI; ZHOU, GANG; ZHAO, CHEN; WANG, LIWEI  
**(74)** Alder IP Pty Ltd

**Huaiyin Institute of Agricultural Sciences in Xuhuai area of Jiangsu Province see huaiyin normal university**  
**(21)** 2021104866

**(71)** Huaiyin Institute of Agricultural Sciences in Xuhuai area of Jiangsu Province  
**(11)** AU-A-2021104867  
**(21)** 2021104867 **(22)** 03.08.2021  
**(54)** METHOD FOR CULTIVATING MORCHELLA BY USING VEGETABLE GREENHOUSE IN SLACK WINTER SEASON  
**(51)** Int. Cl.  
**A01G 18/00** ( 2018.01 )  
**A01G 9/00** ( 2018.01 )  
**(45)** 30.09.2021  
**(72)** WANG, GUOLIAN; LI, CHUANG; CHEN, YIHANG; ZHOU, GANG; WANG, QING; ZHAO, CHEN; QIN, YI; WANG, LIWEI  
**(74)** Alder IP Pty Ltd

**Huaiyin Institute of Agricultural Sciences in Xuhuai area of Jiangsu Province see huaiyin normal university**

**(21)** 2021104913

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**(71)** Huaiyin Institute of Agricultural Sciences in Xuhuai area of Jiangsu Province  
**(11)** AU-A-2021104916  
**(21)** 2021104916 **(22)** 04.08.2021  
**(54)** A FERMENTED ADDICTIVE THAT IMPROVES THE FEEDING EFFECT OF LIVESTOCK AND POULTRY AND A PREPARATION METHOD THEREOF  
**(51)** Int. Cl.  
**A23K 10/12** ( 2016.01 )  
**A23K 50/10** ( 2016.01 )  
**A23K 50/20** ( 2016.01 )  
**A23K 50/30** ( 2016.01 )  
**A23K 50/75** ( 2016.01 )  
**(45)** 30.09.2021  
**(72)** ZHOU, GANG; WANG, LIWEI; JIANG, SHOUHUA; LIU, YING; QIN, YI; CHEN, YIHANG; WANG, GUOLIAN; XIE, PENG; ZUO, JIANXIN; QIN, JINHUA  
**(74)** Alder IP Pty Ltd

**(71)** Huaiyin Institute of Agricultural Sciences in Xuhuai area of Jiangsu Province  
**(11)** AU-A-2021104968  
**(21)** 2021104968 **(22)** 05.08.2021  
**(54)** METHOD FOR PREPARING MORCHELLA CULTURE  
**(51)** Int. Cl.  
**A01G 18/20** ( 2018.01 )  
**A01G 18/22** ( 2018.01 )  
**(45)** 30.09.2021  
**(72)** WANG, GUOLIAN; LI, CHUANG; PENG, JIE; ZHANG, ANKANG; WANG, WEI; WANG, QING; QIN, JINHUA  
**(74)** Alder IP Pty Ltd

**(71)** huaiyin normal university; South China University of Technology; Huaiyin Institute of Agricultural Sciences in Xuhuai area of Jiangsu Province  
**(11)** AU-A-2021104866  
**(21)** 2021104866 **(22)** 03.08.2021  
**(54)** METHOD FOR CULTIVATING MORCHELLA INDOORS  
**(51)** Int. Cl.  
**A01G 18/00** ( 2018.01 )  
**A01G 18/20** ( 2018.01 )  
**A01H 15/00** ( 2006.01 )  
**(45)** 30.09.2021  
**(72)** WANG, GUOLIAN; LI, CHUANG; CHEN, YIHENG; WAN, QING; LIU, NAISEN  
**(74)** Alder IP Pty Ltd

**(71)** huaiyin normal university; South China University of Technology; Huaiyin Institute of Agricultural Sciences in Xuhuai area of Jiangsu Province  
**(11)** AU-A-2021104913  
**(21)** 2021104913 **(22)** 04.08.2021  
**(54)** A DEVICE FOR IRRADIATION STERILIZATION OF EDIBLE FUNGUS CULTURE MATERIAL

**(51)** Int. Cl.  
**A01G 18/80** ( 2018.01 )  
**B02C 4/08** ( 2006.01 )  
**(45)** 30.09.2021  
**(72)** CHEN, YIHANG; LI, CHUANG; WANG, GUOLIAN; LIU, NAISEN  
**(74)** Alder IP Pty Ltd

**(71)** Huangshan Tianzhidu Environmental Technology Development Co., Ltd.  
**(11)** AU-A-2021104807  
**(21)** 2021104807 **(22)** 02.08.2021  
**(54)** Lift Valve Device Used in Corrosive Gas  
**(51)** Int. Cl.  
**F16K 1/00** ( 2006.01 )  
**(31)** 202011088665.4 **(32)** 13.10.20 **(33)** CN  
**(45)** 30.09.2021  
**(72)** WANG, Jian; FANG, Chunming; WANG, Hui; ZHAN, Yue; HONG, Ming; HONG, Yuanji  
**(74)** MEYER WEST IP PTY LTD

**Huazhong University of Science and Technology see CHINA ELECTRIC POWER RESEARCH INSTITUTE CO., LTD.**  
**(21)** 2021104699

**(71)** Hunan Fengdu Lighting Technology Co., Ltd.  
**(11)** AU-A-2021104961  
**(21)** 2021104961 **(22)** 05.08.2021  
**(54)** Headlamp  
**(51)** Int. Cl.  
**F21S 41/67** ( 2018.01 )  
**F21S 41/33** ( 2018.01 )  
**F21V 29/74** ( 2015.01 )  
**F21V 31/00** ( 2006.01 )  
**(45)** 30.09.2021  
**(72)** GONG, Beiwen  
**(74)** MEYER WEST IP PTY LTD

**(71)** Hunan Fengdu Lighting Technology Co., Ltd.  
**(11)** AU-A-2021104962  
**(21)** 2021104962 **(22)** 05.08.2021  
**(54)** Driving Lamp  
**(51)** Int. Cl.  
**F21V 13/04** ( 2006.01 )  
**F21S 41/143** ( 2018.01 )  
**F21S 41/25** ( 2018.01 )  
**F21S 41/33** ( 2018.01 )  
**(45)** 30.09.2021  
**(72)** GONG, Beiwen  
**(74)** MEYER WEST IP PTY LTD

**(71)** Hunan Research Institute for Nonferrous Metals  
**(11)** AU-A-2021105063  
**(21)** 2021105063 **(22)** 06.08.2021  
**(54)** METHOD FOR PROMOTING SULPHURIZING FLOTATION OF COPPER OXIDE ORE USING AMINO ACID  
**(51)** Int. Cl.  
**B03D 1/012** ( 2006.01 )  
**B03D 1/01** ( 2006.01 )  
**B03D 1/06** ( 2006.01 )

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**(45)** 30.09.2021  
**(72)** Chen, Daixiong; Zhu, Jianyu; Yang, Jianwen; Zeng, Jian; Hu, Bo; Song, Zibo; Dong, Yanhong; Li, Xiaodong; Xue, Wei  
**(74)** Madderns Pty Ltd
- 
- (71)** Imtrade Australia Pty Ltd  
**(11)** AU-A-2021105043  
**(21)** 2021105043 **(22)** 06.08.2021  
**(54)** Pesticide formulation comprising abamectin  
**(51)** Int. Cl.  
**A01N 43/90** ( 2006.01 )  
**A01N 25/02** ( 2006.01 )  
**A01N 25/30** ( 2006.01 )  
**A01N 43/40** ( 2006.01 )  
**(45)** 30.09.2021  
**(72)** Rainbird, Ross Melville; McPhee, Neil John  
**(74)** Spruson & Ferguson
- 
- (71)** Inner Mongolia Agricultural University  
**(11)** AU-A-2021104903  
**(21)** 2021104903 **(22)** 04.08.2021  
**(54)** THIFENSULFURON-CONTAINING OAT FIELD WEEDING COMPOSITION AS WELL AS PREPARATION METHOD AND USING METHOD THEREOF  
**(51)** Int. Cl.  
**A01N 47/36** ( 2006.01 )  
**A01N 25/14** ( 2006.01 )  
**A01N 37/34** ( 2006.01 )  
**A01N 39/04** ( 2006.01 )  
**A01P 13/00** ( 2006.01 )  
**(45)** 30.09.2021  
**(72)** Zhang, Xiaoyu; Zhou, Hongyou; Meng, Huanwen; Xing, Xing; Li, Chi; Huo, Hongli; Zhang, Dongmei; Wang, Dong; Dong, Baozhu  
**(74)** Remarkable IP
- 
- (71)** Inner Mongolia Puze Biological Products Co. Ltd.  
**(11)** AU-A-2021104853  
**(21)** 2021104853 **(22)** 03.08.2021  
**(54)** GYNECOLOGICAL MICROECOLOGICAL ANTIBACTERIAL PREPARATION AND APPLICATION THEREOF  
**(51)** Int. Cl.  
**A61K 35/747** ( 2015.01 )  
**A61K 35/745** ( 2015.01 )  
**A61P 15/02** ( 2006.01 )  
**A61P 31/04** ( 2006.01 )  
**(45)** 30.09.2021  
**(72)** YAN, Jibiao; LI, Cuiping; LI, Lei  
**(74)** Remarkable IP
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- (71)** Innovactiv Inc  
**(11)** AU-A-2021104754  
**(21)** 2021104754 **(22)** 30.07.2021  
**(54)** COMBINATION OF ASCOPHYLLUM NODOSUM AND/OR FUCUS VESICULOSUS EXTRACT AND FLOUR AND ITS USE THEREOF IN GLYCEMIC AND WEIGHT MANAGEMENT  
**(51)** Int. Cl.
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- A21D 2/36** ( 2006.01 )  
**A23L 33/10** ( 2016.01 )  
**A61K 36/03** ( 2006.01 )  
**A61P 3/08** ( 2006.01 )  
**(45)** 30.09.2021  
**(72)** Bérubé, Jocelyn; Wang, Ning-Yuan Ernest; Tai, Shih-Hsun  
**(74)** LAMINAR IP PTY LTD
- 
- (71)** Institute of Bioengineering, Guangdong Academy of Sciences  
**(11)** AU-A-2021104714  
**(21)** 2021104714 **(22)** 29.07.2021  
**(54)** A METHOD FOR IDENTIFYING BACTERIAL INFECTION TYPES BASED ON DUCKWEED  
**(51)** Int. Cl.  
**C12Q 1/04** ( 2006.01 )  
**C12N 5/04** ( 2006.01 )  
**C12Q 1/20** ( 2006.01 )  
**(31)** CN202110665928.1**(32)** 16.06.21 **(33)** CN  
**(45)** 30.09.2021  
**(72)** Sun, Donglei; Huang, Weijuan; Fu, Jiantao; An, Yuxing; Lu, Yinglin  
**(74)** LESICAR MAYNARD ANDREWS PTY LTD
- 
- (71)** Institute of Bioengineering, Guangdong Academy of Sciences  
**(11)** AU-A-2021104715  
**(21)** 2021104715 **(22)** 29.07.2021  
**(54)** A METHOD FOR DETECTING THE COLONIZATION ABILITY OF BACTERIA IN SPIRODELA POLYRRHIZA  
**(51)** Int. Cl.  
**C12Q 1/689** ( 2018.01 )  
**C12N 1/20** ( 2006.01 )  
**C12Q 1/04** ( 2006.01 )  
**(31)** CN2021106676107 **(32)** 16.06.21 **(33)** CN  
**(45)** 30.09.2021  
**(72)** Sun, Donglei; Huang, Weijuan; Fu, Jiantao; An, Yuxing; Lu, Yinglin  
**(74)** LESICAR MAYNARD ANDREWS PTY LTD
- 
- Institute of Geology and Geophysics, Chinese Academy of Sciences see Yunnan Communications Investment & Construction Group Co., Ltd.**  
**(21)** 2021104707
- 
- Institute of traditional Chinese medicine, Hubei Academy of Agricultural Sciences see Academy of Agricultural Sciences of Enshi Tujia and Miao Autonomous Prefecture**  
**(21)** 2021104815
- 
- International company, China Railway 18th Bureau Group Co., Ltd. see China Railway 18th Bureau Group Co., Ltd.**  
**(21)** 2021103065
- 
- (71)** Jilin university  
**(11)** AU-A-2021104680
- 
- (21)** 2021104680 **(22)** 28.07.2021  
**(54)** Preparation and Supply System of Bubble Flow Premixed Hydrocarbon Fuel and Control Method Thereof  
**(51)** Int. Cl.  
**F02M 25/00** ( 2006.01 )  
**F02D 41/38** ( 2006.01 )  
**F02M 27/00** ( 2006.01 )  
**F02M 37/04** ( 2006.01 )  
**(45)** 30.09.2021  
**(72)** Guo, Liang; Wang, Han; Sun, Wanchen; Li, Degang; Cai, Ningning; Cheng, Peng; Chen, Yanling  
**(74)** Alder IP Pty Ltd
- 
- (71)** Jilin University  
**(11)** AU-A-2021104652  
**(21)** 2021104652 **(22)** 28.07.2021  
**(54)** TEACHING METHOD BASED ON EBBINGHAUS FORGETTING CURVE AND NETWORK TEST QUESTION BANK  
**(51)** Int. Cl.  
**G09B 7/077** ( 2006.01 )  
**G06Q 50/20** ( 2012.01 )  
**G09B 7/04** ( 2006.01 )  
**(45)** 30.09.2021  
**(72)** Li, Shichao; Li, Wenqing; Peng, Yuanyuan; Zhang, Qian; Wang, Jingxian  
**(74)** Remarkable IP
- 
- (71)** Jilin University  
**(11)** AU-A-2021104697  
**(21)** 2021104697 **(22)** 29.07.2021  
**(54)** Adjustable Small-sized Rock Sample Cutting and Grinding Integrated Device  
**(51)** Int. Cl.  
**B24B 19/22** ( 2006.01 )  
**B24B 27/00** ( 2006.01 )  
**B24B 41/06** ( 2012.01 )  
**B24B 55/04** ( 2006.01 )  
**B24B 55/05** ( 2006.01 )  
**B28D 1/24** ( 2006.01 )  
**G01N 1/04** ( 2006.01 )  
**G01N 1/28** ( 2006.01 )  
**(45)** 30.09.2021  
**(72)** Dai, Zhenxue; Liu, Wei; Yin, Shangxian; Xu, Lulu; Ye, Kexin; Yang, Songlin; Xu, Bin  
**(74)** Alder IP Pty Ltd
- 
- (71)** Jilin University  
**(11)** AU-A-2021104794  
**(21)** 2021104794 **(22)** 02.08.2021  
**(54)** Stage-wise stochastic inversion identification method of aquifer structure based on deep learning  
**(51)** Int. Cl.  
**G01V 9/02** ( 2006.01 )  
**G01V 99/00** ( 2009.01 )  
**G06F 30/27** ( 2020.01 )  
**G06N 3/08** ( 2006.01 )  
**G06N 20/00** ( 2019.01 )  
**(45)** 30.09.2021  
**(72)** Dai, Zhenxue; Zhan, Chuanjun; Yang, Zhijie  
**(74)** Alder IP Pty Ltd

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(71) Jilin University  
 (11) AU-A-2021105045  
 (21) 2021105045 (22) 06.08.2021  
 (54) Adjustable Rock-like Material Crack Prefabrication Device  
 (51) Int. Cl.  
**G01N 1/28** ( 2006.01 )  
 (45) 30.09.2021  
 (72) Dai, Zhenxue; Liu, Wei; Yin, Shangxian; Xu, Lulu; Ye, Kexin; Yang, Songlin; Xu, Bin  
 (74) Alder IP Pty Ltd

(71) Jing Nan Traffic Engineering Co., Ltd.  
 (11) AU-A-2021104859  
 (21) 2021104859 (22) 03.08.2021  
 (54) Warning Structure of Internally Illuminated Traffic Cone  
 (51) Int. Cl.  
**E01F 9/654** ( 2016.01 )  
**E01F 9/615** ( 2016.01 )  
**E01F 9/688** ( 2016.01 )  
**F21S 9/03** ( 2006.01 )  
**F21W 111/02** ( 2006.01 )  
**F21Y 115/10** ( 2016.01 )  
 (45) 30.09.2021  
 (72) KUO, Shu-Nan  
 (74) A.P.T. Patent and Trade Mark Attorneys

(71) JNFLEX(CHANGZHOU)CO.,LTD.  
 (11) AU-A-2021104711  
 (21) 2021104711 (22) 29.07.2021  
 (54) Lock bracket for building construction  
 (51) Int. Cl.  
**F16B 2/24** ( 2006.01 )  
**E04G 21/14** ( 2006.01 )  
 (31) 202021735419.9 (32) 19.08.20 (33) CN  
 (45) 30.09.2021  
 (72) Wu, Yiqun  
 (74) Rose Pan

(71) Jusand Nominees Pty Ltd  
 (11) AU-A-2021104755  
 (21) 2021104755 (22) 30.07.2021  
 (54) SAFETY SYSTEM AND METHOD FOR PROTECTING AGAINST A HAZARD OF DRILL ROD FAILURE IN A DRILLED ROCK BORE  
 (51) Int. Cl.  
**E21B 17/00** ( 2006.01 )  
**E21D 20/00** ( 2006.01 )  
**E21D 21/00** ( 2006.01 )  
 (45) 30.09.2021  
 (62) 2016354676  
 (72) Noonan, Gerry  
 (74) WRAYS PTY LTD

(71) Jusand Nominees Pty Ltd  
 (11) AU-A-2021104756  
 (21) 2021104756 (22) 30.07.2021  
 (54) SAFETY SYSTEM AND METHOD FOR PROTECTING AGAINST A HAZARD OF DRILL ROD FAILURE IN A DRILLED ROCK BORE  
 (51) Int. Cl.  
**E21B 17/00** ( 2006.01 )

**E21D 20/00** ( 2006.01 )  
**E21D 21/00** ( 2006.01 )  
 (45) 30.09.2021  
 (62) 2016354676  
 (72) Noonan, Gerry  
 (74) WRAYS PTY LTD

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(71) KB KOOKMIN CARD CO., LTD.  
 (11) AU-A-2020104447  
 (21) 2020104447 (22) 20.03.2020  
 (54) APP CARD-LINKED REPRESENTATIVE CARD, AND PAYMENT SYSTEM AND PAYMENT METHOD THEREOF  
 (51) Int. Cl.  
**G06Q 20/12** ( 2012.01 )  
**G06Q 20/04** ( 2012.01 )  
**G06Q 20/32** ( 2012.01 )  
**G06Q 20/34** ( 2012.01 )  
**G06Q 20/40** ( 2012.01 )  
 (45) 30.09.2021  
 (62) 2016339621  
 (72) KIM, Se Hun; KIM, Jee Eun; SHIN, Jae Choon; BAE, Seo Hyeon; CHAE, Heung Sik; JUNG, Ji Hyun; JO, Kyung Mu  
 (74) Baxter Patent Attorneys Pty Ltd

**Khaled, I. see Khaled, A.**  
 (21) 2021104904

(71) Khaled, A.; Khaled, I.  
 (11) AU-A-2021104904  
 (21) 2021104904 (22) 04.08.2021  
 (54) CONTENT SUGGESTING PLATFORM BASED ON ARTIFICIAL INTELLIGENCE  
 (51) Int. Cl.  
**G06N 5/02** ( 2006.01 )  
**G06F 40/20** ( 2020.01 )  
**G06N 3/08** ( 2006.01 )  
**G06N 5/04** ( 2006.01 )  
**G06N 20/00** ( 2019.01 )  
 (45) 30.09.2021  
 (72) Khaled, Asif; Khaled, Iftekhar  
 (74) Asif Khaled

(71) Kingsford Neue Technology Pty Ltd  
 (11) AU-A-2021104958  
 (21) 2021104958 (22) 05.08.2021  
 (54) AIR CLEANING AND STERILIZATION SYSTEMS AND METHODS THEREOF  
 (51) Int. Cl.  
**A61L 9/20** ( 2006.01 )  
**F24F 8/167** ( 2021.01 )  
**F24F 8/22** ( 2021.01 )  
 (31) 2020903501 (32) 29.09.20 (33) AU  
 (45) 30.09.2021  
 (72) Wu, Siyong; Wu, Angela; Wu, Bob; Wang, Ping  
 (74) Siyong Wu

**Kirkman, T. see Bower, G.**  
 (21) 2021104873

(71) Krelle, S.M.  
 (11) AU-A-2021103662  
 (21) 2021103662 (22) 28.06.2021  
 (54) ADAPTOR FOR A PEELING TOOL  
 (51) Int. Cl.  
**B23B 5/12** ( 2006.01 )  
**F16L 13/02** ( 2006.01 )  
 (45) 30.09.2021  
 (72) Krelle, Simon Mark  
 (74) Michael Buck IP

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(71) KRS Valves Pty Ltd  
 (11) AU-A-2021104671  
 (21) 2021104671 (22) 28.07.2021  
 (54) WATER PRESSURE CONTROL APPARATUS  
 (51) Int. Cl.  
**F16K 17/04** ( 2006.01 )  
**F16K 15/02** ( 2006.01 )  
**F16K 27/02** ( 2006.01 )  
**F16K 1/52** ( 2006.01 )  
**F16K 31/122** ( 2006.01 )  
 (31) 2021901846 (32) 18.06.21 (33) AU  
 (45) 30.09.2021  
 (72) Barnfield, Kevin; Mikaelian, Razmik  
 (74) Griffith Hack

**Kumar, S. see Sharma, N.**  
 (21) 2021102957

**Kumaravelan, R. see Thirumoorthy, A.**  
 (21) 2021101569

**Kumar Kansal, S. see Singh, S.**  
 (21) 2021102591

**Kumar Sharma, S. see Singh, S.**  
 (21) 2021102591

**KUNDU, P. see MUKHERJEE, D.**  
 (21) 2021102343

(71) Kunming University of Science & Technology  
 (11) AU-A-2021104719  
 (21) 2021104719 (22) 29.07.2021  
 (54) Method and device for recycling saline water based on corona discharge coupled electro dialysis  
 (51) Int. Cl.  
**C02F 1/469** ( 2006.01 )  
**B01D 61/42** ( 2006.01 )  
**C02F 1/46** ( 2006.01 )  
**C02F 103/08** ( 2006.01 )  
 (45) 30.09.2021  
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 (74) Alder IP Pty Ltd

(71) Lauc, V.  
 (11) AU-A-2021104881  
 (21) 2021104881 (22) 03.08.2021

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(51) Int. Cl.  
**B60R 5/04** ( 2006.01 )  
**B62D 33/027** ( 2006.01 )  
(45) 30.09.2021  
(72) Lauc, Vlado  
(74) Adams Pluck
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- (71) LEEDARSON LIGHTING CO., LTD.  
(11) AU-A-2021104923  
(21) 2021104923 (22) 04.08.2021  
(54) Air purification lamp  
(51) Int. Cl.  
**F24F 1/0038** ( 2019.01 )  
**F24F 7/08** ( 2006.01 )  
**F24F 8/10** ( 2021.01 )  
**F24F 8/22** ( 2021.01 )  
(31) 202121199585.6 (32) 31.05.21 (33) CN  
(45) 30.09.2021  
(72) Liu, Cheng Kun; Lin, Zhixiang; Shi, Qiubo; Su, Zhong; Yang, Linfeng; Lin, Youqin  
(74) Davies Collison Cave Pty Ltd
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- (71) LEEDARSON LIGHTING CO., LTD.  
(11) AU-A-2021104924  
(21) 2021104924 (22) 04.08.2021  
(54) Air purification illuminator  
(51) Int. Cl.  
**F24F 13/24** ( 2006.01 )  
**F04D 25/08** ( 2006.01 )  
**F24F 7/08** ( 2006.01 )  
**F24F 8/10** ( 2021.01 )  
**F24F 13/28** ( 2006.01 )  
(31) 202121198658.X (32) 31.05.21 (33) CN  
(45) 30.09.2021  
(72) Lin, Zhixiang; Shi, Qiubo; Chen, Zhihua; Yang, Linfeng  
(74) Davies Collison Cave Pty Ltd
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- (71) LEEDARSON LIGHTING CO., LTD.  
(11) AU-A-2021104925  
(21) 2021104925 (22) 04.08.2021  
(54) Air purification illuminator  
(51) Int. Cl.  
**F24F 13/28** ( 2006.01 )  
**F24F 7/003** ( 2021.01 )  
**F24F 7/08** ( 2006.01 )  
**F24F 8/10** ( 2021.01 )  
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(45) 30.09.2021  
(72) Lin, Zhixiang; Shi, Qiubo; Chen, Zhihua; Yang, Linfeng  
(74) Davies Collison Cave Pty Ltd
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(11) AU-A-2021104926  
(21) 2021104926 (22) 04.08.2021  
(54) Air purification lamp  
(51) Int. Cl.  
**F24F 8/24** ( 2021.01 )  
**F24F 7/003** ( 2021.01 )  
**F24F 7/08** ( 2006.01 )  
(31) 202121199522.0 (32) 31.05.21 (33) CN
- (45) 30.09.2021  
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(74) Davies Collison Cave Pty Ltd
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- (71) LI, L.  
(11) AU-A-2021104941  
(21) 2021104941 (22) 04.08.2021  
(54) An improved nappy  
(51) Int. Cl.  
**A61F 13/495** ( 2006.01 )  
(31) 2021902134 (32) 13.07.21 (33) AU  
(45) 30.09.2021  
(72) Li, Leo  
(74) Patentec Patent Attorneys
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(11) AU-A-2021104854  
(21) 2021104854 (22) 03.08.2021  
(54) A system and method for a user to control operation of a vehicle  
(51) Int. Cl.  
**G07C 9/00** ( 2020.01 )  
**B60R 25/24** ( 2013.01 )  
**B60W 50/08** ( 2020.01 )  
**G06Q 50/30** ( 2012.01 )  
**G07C 5/00** ( 2006.01 )  
**B60W 50/00** ( 2006.01 )  
**G06K 7/14** ( 2006.01 )  
**G06Q 10/02** ( 2012.01 )  
**G06Q 30/06** ( 2012.01 )  
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(74) LIU & WU INVESTMENTS PTY LTD
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(11) AU-A-2021105029  
(21) 2021105029 (22) 05.08.2021  
(54) MONITORING AND ALERT SYSTEM AND METHOD FOR SENSORIALLY PERCEPTIBLE DEVICES  
(51) Int. Cl.  
**B60R 22/48** ( 2006.01 )  
**E05B 17/22** ( 2006.01 )  
**E05B 39/00** ( 2006.01 )  
**E05B 41/00** ( 2006.01 )  
**E05B 45/00** ( 2006.01 )  
**E05B 47/00** ( 2006.01 )  
**E05B 49/00** ( 2006.01 )  
**E05B 51/00** ( 2006.01 )  
**E05B 53/00** ( 2006.01 )  
**G08B 21/02** ( 2006.01 )  
**G08B 21/18** ( 2006.01 )  
(45) 30.09.2021  
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(72) Andrew, Leary; Richard, Aplin; Trieu, William; Redding, Matthew; Bykerk, Lili  
(74) Krouzer IP
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- (71) Lonman Auto Accessories Co., Ltd  
(11) AU-A-2021104921  
(21) 2021104921 (22) 04.08.2021  
(54) EASILY DISMANTLED ASSEMBLY FOR MOUNTING VEHICLE TENT  
(51) Int. Cl.  
**B60R 11/00** ( 2006.01 )
- E04H 15/06** ( 2006.01 )  
(31) 202121681961.5 (32) 23.07.21 (33) CN  
(45) 30.09.2021  
(72) Long, Shihu  
(74) Madderns Pty Ltd
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- (71) LU, M.  
(11) AU-A-2021105037  
(21) 2021105037 (22) 06.08.2021  
(54) Organic matters beneficial for plant healthy growth  
(51) Int. Cl.  
**A01N 65/00** ( 2009.01 )  
**C05D 9/00** ( 2006.01 )  
**C05F 11/00** ( 2006.01 )  
**C05G 3/60** ( 2020.01 )  
**A01N 65/03** ( 2009.01 )  
**A01N 65/20** ( 2009.01 )  
**A01N 65/28** ( 2009.01 )  
**A01N 65/38** ( 2009.01 )  
(45) 30.09.2021  
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(74) FB Rice Pty Ltd
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- (71) Macau University of Science and Technology  
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(21) 2021104919 (22) 04.08.2021  
(54) COMPOSITIONS AND METHODS OF INHIBITION OF TRANSCRIPTION AND REPLICATION OF HBV  
(51) Int. Cl.  
**A61K 31/7048** ( 2006.01 )  
**A61K 31/522** ( 2006.01 )  
**A61P 31/20** ( 2006.01 )  
**C12Q 1/70** ( 2006.01 )  
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(72) Chen, Juan; Law, Yuen Kwan; Wong, Kam Wai; Huang, Ai Long  
(74) MR TAIKY ONG
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(11) AU-A-2021104656  
(21) 2021104656 (22) 28.07.2021  
(54) Hinge system with adjustable resistance  
(51) Int. Cl.  
**E05D 7/00** ( 2006.01 )  
**E05D 11/06** ( 2006.01 )  
**E05D 11/10** ( 2006.01 )  
**A47F 8/00** ( 2006.01 )  
**G09B 23/32** ( 2006.01 )  
(31) 2021901162 (32) 20.04.21 (33) AU  
(45) 30.09.2021  
(72) Just, Morrison; Green, Daniel  
(74) Spruson & Ferguson
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- (71) Madad Pty Ltd  
(11) AU-A-2021104660  
(21) 2021104660 (22) 28.07.2021  
(54) A mattress test manikin-lateral position  
(51) Int. Cl.  
**G09B 23/32** ( 2006.01 )  
**A47C 31/12** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**A61B 5/107** ( 2006.01 )



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**(45)** 30.09.2021  
**(72)** Just, Morrison; Green, Daniel  
**(74)** Spruson & Ferguson

**(71)** Materialised Pty Ltd  
**(11)** AU-A-2021105090  
**(21)** 2021105090 **(22)** 07.08.2021  
**(54)** Fabric Module For Hospital Cubicle  
 Curtains  
**(51)** Int. Cl.  
**A47H 23/10** ( 2006.01 )  
**D02G 3/44** ( 2006.01 )  
**D03D 15/513** ( 2021.01 )

**(31)** 2021901092 **(32)** 14.04.21 **(33)** AU  
**(45)** 30.09.2021  
**(72)** Price, Gary Robert  
**(74)** Anderson-Taylor & Associates

**(71)** Mayerle, D.  
**(11)** AU-A-2021104695  
**(21)** 2021104695 **(22)** 29.07.2021  
**(54)** BELT DRIVE FOR A WEED SEED DE-  
 STRUCTOR OF A COMBINE HAR-  
 VESTER

**(51)** Int. Cl.  
**A01D 41/12** ( 2006.01 )  
**A01F 12/40** ( 2006.01 )  
**A01M 21/02** ( 2006.01 )  
**(31)** 63/065,609 **(32)** 14.08.20 **(33)** US  
**(45)** 30.09.2021  
**(72)** Mayerle, Dean  
**(74)** IP GATEWAY PATENT & TRADE  
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**McDonald, R. see Norris, J.**  
**(21)** 2021104701

**Menzies, T. see Menzies, G.**  
**(21)** 2021104657

**(71)** Menzies, G.; Menzies, T.  
**(11)** AU-A-2021104657  
**(21)** 2021104657 **(22)** 28.07.2021  
**(54)** A transport frame  
**(51)** Int. Cl.  
**F16M 1/00** ( 2006.01 )  
**B65D 19/00** ( 2006.01 )  
**B65D 19/44** ( 2006.01 )  
**B65D 85/68** ( 2006.01 )  
**F01D 25/28** ( 2006.01 )  
**F16M 7/00** ( 2006.01 )

**(45)** 30.09.2021  
**(72)** Poikayil, Samuel  
**(74)** Michael Buck IP

**(71)** Miles, S.  
**(11)** AU-A-2021104689  
**(21)** 2021104689 **(22)** 29.07.2021  
**(54)** APPARATUS FOR STORING OR  
 MOVING ITEMS  
**(51)** Int. Cl.  
**B60P 1/44** ( 2006.01 )  
**A47B 46/00** ( 2006.01 )

**A47B 88/48** ( 2017.01 )  
**B60R 11/00** ( 2006.01 )  
**A47B 51/00** ( 2006.01 )  
**A47B 88/44** ( 2017.01 )  
**(31)** 2021901064 **(32)** 12.04.21 **(33)** AU  
**(45)** 30.09.2021  
**(72)** Miles, Shane  
**(74)** Ahearn Fox

**(71)** Moma Products Pty Ltd  
**(11)** AU-A-2021104880  
**(21)** 2021104880 **(22)** 03.08.2021  
**(54)** Streetlight  
**(51)** Int. Cl.  
**H02J 9/06** ( 2006.01 )  
**F21S 8/08** ( 2006.01 )  
**F21S 9/03** ( 2006.01 )  
**F21V 23/00** ( 2015.01 )  
**F21V 23/02** ( 2006.01 )  
**H02J 7/00** ( 2006.01 )  
**H02J 7/35** ( 2006.01 )  
**F21W 131/103** ( 2006.01 )  
**F21Y 115/10** ( 2016.01 )

**(31)** 2021901860 **(32)** 21.06.21 **(33)** AU  
 2021902078 08.07.21 AU  
**(45)** 30.09.2021  
**(72)** Jarvis, Michael; Nelson, Simon  
**(74)** Paterson IP

**(71)** Mooney, C.  
**(11)** AU-A-2021104706  
**(21)** 2021104706 **(22)** 29.07.2021  
**(54)** A consumer product type source origin  
 meta data identification and data pro-  
 cessing system  
**(51)** Int. Cl.

**G06K 9/46** ( 2006.01 )  
**G06F 16/25** ( 2019.01 )  
**G06F 16/48** ( 2019.01 )  
**G06K 9/36** ( 2006.01 )  
**G06Q 30/00** ( 2012.01 )  
**G06Q 30/02** ( 2012.01 )  
**G06Q 30/06** ( 2012.01 )  
**G06T 1/00** ( 2006.01 )  
**(31)** 2020904003 **(32)** 03.11.20 **(33)** AU  
**(45)** 30.09.2021  
**(72)** Mooney, Christopher  
**(74)** Patentec Patent Attorneys

**(71)** MUKHERJEE, D.; RAJA, G.L.; KUNDU,  
 P.  
**(11)** AU-A-2021102343  
**(21)** 2021102343 **(22)** 03.05.2021  
**(54)** A SYSTEM FOR ADVANCED DEAD-  
 TIME COMPENSATOR-BASED  
 SERIES CASCADE CONTROL  
 STRUCTURE FOR UNSTABLE PRO-  
 CESSES  
**(51)** Int. Cl.  
**G05B 13/04** ( 2006.01 )  
**G05B 17/02** ( 2006.01 )  
**G06F 30/25** ( 2020.01 )  
**G06F 30/27** ( 2020.01 )  
**G05B 13/02** ( 2006.01 )  
**G06F 111/06** ( 2020.01 )

**(45)** 30.09.2021  
**(72)** MUKHERJEE, DEEP; RAJA,  
 G.LLOYDS; KUNDU, PALASH  
**(74)** DEEP MUKHERJEE

**(71)** Nanjing Forestry University; Yanling  
 Guangwei Wood Industry Co. Ltd  
**(11)** AU-A-2021104973  
**(21)** 2021104973 **(22)** 05.08.2021  
**(54)** Formaldehyde-free decorative plywood  
 with high stability and manufacturing  
 method thereof  
**(51)** Int. Cl.  
**B32B 21/14** ( 2006.01 )  
**B27D 1/04** ( 2006.01 )  
**B27K 3/08** ( 2006.01 )  
**B27K 3/18** ( 2006.01 )  
**B27K 3/20** ( 2006.01 )  
**B32B 7/12** ( 2006.01 )  
**B32B 21/04** ( 2006.01 )  
**B44C 5/04** ( 2006.01 )  
**(45)** 30.09.2021  
**(72)** Sun, Fengwen; Zhang, Qian; Ning,  
 Yanming; Qian, Caoli; Hu, Jiancai  
**(74)** Alder IP Pty Ltd

**(71)** Nanjing Forestry University; Yanling  
 Guangwei Wood Industry Co. Ltd  
**(11)** AU-A-2021104974  
**(21)** 2021104974 **(22)** 05.08.2021  
**(54)** Method for preparing light weight and  
 high-strength container bottom plate by  
 using fast-growing wood veneer  
**(51)** Int. Cl.  
**B32B 21/14** ( 2006.01 )  
**B27D 1/04** ( 2006.01 )  
**B27K 3/08** ( 2006.01 )  
**B32B 7/12** ( 2006.01 )  
**B32B 21/13** ( 2006.01 )  
**(45)** 30.09.2021  
**(72)** Sun, Fengwen; Zhang, Qian; Ning,  
 Yanming; Lin, Jie; Wei, Xinyi  
**(74)** Alder IP Pty Ltd

**(71)** Nanjing Forestry University; Yanling  
 Guangwei Wood Industry Co. Ltd  
**(11)** AU-A-2021105057  
**(21)** 2021105057 **(22)** 06.08.2021  
**(54)** Wood-based winding conveying pipe  
 and preparation method thereof  
**(51)** Int. Cl.  
**B32B 21/14** ( 2006.01 )  
**B27D 1/08** ( 2006.01 )  
**B27K 3/36** ( 2006.01 )  
**B27K 3/44** ( 2006.01 )  
**B27M 1/08** ( 2006.01 )  
**B27M 3/00** ( 2006.01 )  
**B32B 1/08** ( 2006.01 )  
**B32B 5/02** ( 2006.01 )  
**B32B 21/04** ( 2006.01 )  
**B32B 21/06** ( 2006.01 )  
**B32B 21/10** ( 2006.01 )  
**F16L 9/01** ( 2006.01 )  
**F16L 9/16** ( 2006.01 )

**(45)** 30.09.2021  
**(72)** Sun, Fengwen; Mei, Changtong; Ning,  
 Yanming; Guan, Mingjie; Hu, Jiancai  
**(74)** Alder IP Pty Ltd

**(71)** NANO HOME LOANS PTY LTD  
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 (54) AUTOMATED REAL-TIME DIGITAL MORTGAGE APPLICATION AND DE-CISIONING ENGINE  
 (51) Int. Cl.  
*G06Q 40/02* ( 2012.01 )  
*G06Q 40/06* ( 2012.01 )  
 (45) 30.09.2021  
 (72) Christopher Lumby, Andrew Walker  
 (74) EUREKA IP PTY LTD

(71) National Ocean Technology Center  
 (11) AU-A-2021104960  
 (21) 2021104960 (22) 05.08.2021  
 (54) Method and System for Measuring Water Transparency  
 (51) Int. Cl.  
*G01N 21/59* ( 2006.01 )  
*G01N 33/18* ( 2006.01 )  
*G01B 5/18* ( 2006.01 )  
 (45) 30.09.2021  
 (72) Wang, Xiaoyong; Wu, Guowei; Hou, Erhu; Ding, Jie; Bi, Dayong; Zhou, Qingwei; Cai, Xiaoqing; Chen, Jiaqing; Meng, Jie  
 (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD

NIKUNJ PATEL, D.H. see SHINGRAKHIA, H.  
 (21) 2021102956

(71) Ningbo Polytechnic  
 (11) AU-A-2021104686  
 (21) 2021104686 (22) 29.07.2021  
 (54) NOVEL CATHODE MATERIAL FOR MAGNESIUM ION BATTERY AND FABRICATING METHOD THEREOF  
 (51) Int. Cl.  
*H01M 4/58* ( 2010.01 )  
*H01M 4/04* ( 2006.01 )  
*H01M 10/04* ( 2006.01 )  
*H01M 10/054* ( 2010.01 )  
 (45) 30.09.2021  
 (72) Peng, Zhenbo; Yuan, Zhengyong  
 (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD

(71) Ningbo Polytechnic  
 (11) AU-A-2021104796  
 (21) 2021104796 (22) 02.08.2021  
 (54) MAGNESIUM ION BATTERY CATHODE MATERIAL DOPED AT MAGNESIUM SITE AND FABRICATING METHOD THEREOF  
 (51) Int. Cl.  
*H01M 4/58* ( 2010.01 )  
*H01M 4/04* ( 2006.01 )  
*H01M 10/04* ( 2006.01 )  
*H01M 10/054* ( 2010.01 )  
 (45) 30.09.2021  
 (72) PENG, Zhenbo; YUAN, Zhengyong; YU, Zhaoshen  
 (74) Griffith Hack

(71) Ningbo Polytechnic; Henghe Materials & Science Technology Co., Ltd.  
 (11) AU-A-2021104804  
 (21) 2021104804 (22) 02.08.2021  
 (54) PROCESS FOR EFFICIENTLY TREATING REFINERY WASTEWATER BASED ON MICROALGAE MEMBRANE BIOREACTOR (MMBR)  
 (51) Int. Cl.  
*C02F 3/32* ( 2006.01 )  
*B01D 69/08* ( 2006.01 )  
*C02F 3/30* ( 2006.01 )  
*C02F 103/34* ( 2006.01 )  
 (31) 202011359955.8 (32) 27.11.20 (33) CN  
 (45) 30.09.2021  
 (72) PENG, Zhenbo; CHEN, Yanjun  
 (74) Griffith Hack

(71) Ningbo Polytechnic  
 (11) AU-A-2021104808  
 (21) 2021104808 (22) 02.08.2021  
 (54) ULTRAFILTRATION MEMBRANE HAVING HYDROPHILIC AND ANTIBACTERIAL PROPERTIES AND PREPARATION METHOD THEREOF  
 (51) Int. Cl.  
*B01D 71/68* ( 2006.01 )  
*B01D 61/14* ( 2006.01 )  
*B01D 67/00* ( 2006.01 )  
*B01D 69/02* ( 2006.01 )  
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 (31) 202110138257.3 (32) 01.02.21 (33) CN  
 (45) 30.09.2021  
 (72) CHEN, Yanjun; PENG, Zhenbo; ZHOU, Jiahao  
 (74) Griffith Hack

(71) Ningbo Polytechnic  
 (11) AU-A-2021104813  
 (21) 2021104813 (22) 02.08.2021  
 (54) METHOD FOR PREPARING HYDROPHILIC POLYTETRAFLUOROETHYLENE HOLLOW FIBER MICROFILTRATION MEMBRANE  
 (51) Int. Cl.  
*B01D 71/36* ( 2006.01 )  
*B01D 67/00* ( 2006.01 )  
*B01D 69/08* ( 2006.01 )  
*C08J 5/22* ( 2006.01 )  
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 (72) CHEN, Yanjun; PENG, Zhenbo  
 (74) Griffith Hack

(71) Nitti, A.  
 (11) AU-A-2021105042  
 (21) 2021105042 (22) 06.08.2021  
 (54) WEIGHTLIFTING BODY FORM SUPPORT  
 (51) Int. Cl.  
*A47C 20/02* ( 2006.01 )  
*A63B 21/00* ( 2006.01 )  
 (45) 30.09.2021  
 (72) Nitti, Anthony  
 (74) protectmyidea.com.au

(71) Norris, J.; McDonald, R.  
 (11) AU-A-2021104701  
 (21) 2021104701 (22) 29.07.2021  
 (54) APPARATUS AND METHOD FOR CONTINUOUSLY CASTING A MEMBER FROM A SETTABLE MATERIAL  
 (51) Int. Cl.  
*B28B 5/02* ( 2006.01 )  
*B28B 13/06* ( 2006.01 )  
*B28B 11/10* ( 2006.01 )  
*B28B 11/24* ( 2006.01 )  
*B28B 13/02* ( 2006.01 )  
*B28B 23/02* ( 2006.01 )  
 (31) 2020902663 (32) 29.07.20 (33) AU  
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 (72) Norris, Joseph; McDonald, Roderick  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

North China Electric Power University see Anshan Power Supply Company, State Grid Liaoning Power Co., Ltd.  
 (21) 2021104984

North China Electric Power University see SHIJIAZHUANG TECHNOLOGY CENTER FOR CUSTOMS DISTRICT P.R.CHINA  
 (21) 2021105058

North China Electric Power University see BEIJING RESEARCH CENTER FOR AGRICULTURAL STANDARDS AND TESTING  
 (21) 2021105059

(71) North China Institute Of Science And Technology; Chongqing University  
 (11) AU-A-2021104175  
 (21) 2021104175 (22) 15.07.2021  
 (54) Long Drill Hole Forming System and Method for Soft Outburst Coal Seam  
 (51) Int. Cl.  
*E21F 7/00* ( 2006.01 )  
*E21B 7/18* ( 2006.01 )  
*E21B 17/22* ( 2006.01 )  
*E21B 21/015* ( 2006.01 )  
*E21B 43/34* ( 2006.01 )  
*E21B 43/40* ( 2006.01 )  
*E21B 7/04* ( 2006.01 )  
 (45) 30.09.2021  
 (72) Cheng, Zhiheng; Gao, Haobin; Cui, Guibo; Chen, Liang; Zou, Quanle; Chen, Guangjin; Ning, Yanhao; Wang, Hongbing; Ran, Qican  
 (74) Alder IP Pty Ltd

(71) Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences; Shandong University  
 (11) AU-A-2021104688  
 (21) 2021104688 (22) 29.07.2021  
 (54) Phenotype measuring instrument for test of a single crop plant  
 (51) Int. Cl.  
*A01G 7/00* ( 2006.01 )  
*G06T 7/00* ( 2017.01 )  
 (31) CN202010986466.9(32) 18.09.20 (33) CN

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 (74) Shelston IP Pty Ltd.

(71) North University of China  
 (11) AU-A-2021104694  
 (21) 2021104694 (22) 29.07.2021  
 (54) METHOD AND SYSTEM FOR TOTAL-FOCUSING C-SCAN IMAGING OF INTERFACE DEBONDING DEFECT WITH ULTRASONIC PHASED ARRAY  
 (51) Int. Cl.  
 G01N 29/11 ( 2006.01 )  
 G01N 29/44 ( 2006.01 )  
 G01S 3/00 ( 2006.01 )  
 G01S 7/52 ( 2006.01 )  
 G01S 15/89 ( 2006.01 )  
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(71) Ocean University of China  
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 (21) 2021105055 (22) 06.08.2021  
 (54) Polyamide nanofiltration membrane with multivalent/monovalent salt selectivity and preparation method thereof  
 (51) Int. Cl.  
 B01D 61/02 ( 2006.01 )  
 B01D 71/56 ( 2006.01 )  
 C02F 1/44 ( 2006.01 )  
 C08J 5/22 ( 2006.01 )  
 C02F 103/08 ( 2006.01 )  
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(71) Oopsi Pty Ltd  
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 (54) Protective anti-impact hat  
 (51) Int. Cl.  
 A42B 1/08 ( 2006.01 )  
 A42B 1/0195 ( 2021.01 )  
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 (72) Cooper, Edward  
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(71) Patriot Campers Holdings Pty Ltd  
 (11) AU-A-2021104735  
 (21) 2021104735 (22) 30.07.2021  
 (54) Improved deployable shelter stairs  
 (51) Int. Cl.  
 E04H 15/32 ( 2006.01 )  
 E04F 11/04 ( 2006.01 )  
 E04H 15/06 ( 2006.01 )  
 E04H 15/48 ( 2006.01 )  
 E06C 1/34 ( 2006.01 )  
 E06C 5/02 ( 2006.01 )

E05D 3/16 ( 2006.01 )  
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(71) POISEIDON.CLL.TECHNOLOGY CO., LTD.  
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 (54) ADAPTOR FOR CONNECTING MAGAZINE TO WATER GUN  
 (51) Int. Cl.  
 F41A 9/63 ( 2006.01 )  
 F41A 9/72 ( 2006.01 )  
 F41B 11/55 ( 2013.01 )  
 F41B 11/89 ( 2013.01 )  
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 (74) LESICAR MAYNARD ANDREWS PTY LTD

(71) PPG Industries Ohio, Inc.  
 (11) AU-A-2021104745  
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 (54) SECURE COLOR SELECTION APPARATUS  
 (51) Int. Cl.  
 G06Q 30/02 ( 2012.01 )  
 G01J 3/46 ( 2006.01 )  
 G09F 7/02 ( 2006.01 )  
 G06F 3/048 ( 2013.01 )  
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 (74) MINTER ELLISON

(71) Practical Pty Ltd  
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 (54) Water transfer system  
 (51) Int. Cl.  
 F04B 23/02 ( 2006.01 )  
 E21B 43/12 ( 2006.01 )  
 F04B 19/06 ( 2006.01 )  
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 B01D 5/00 ( 2006.01 )  
 B01D 53/00 ( 2006.01 )  
 F04C 2/107 ( 2006.01 )  
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 (11) AU-A-2021104814  
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 (54) Insect Cell Culture Medium and Preparation Method  
 (51) Int. Cl.  
 C12N 5/07 ( 2010.01 )  
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 C12N 15/85 ( 2006.01 )

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(71) Qilu University of Technology  
 (11) AU-A-2021104823  
 (21) 2021104823 (22) 02.08.2021  
 (54) METHOD FOR PREPARING BACTERIAL CELLULOSE-BASED ANTIBACTERIAL MATERIAL  
 (51) Int. Cl.  
 A61L 15/44 ( 2006.01 )  
 A01N 25/10 ( 2006.01 )  
 A01N 25/34 ( 2006.01 )  
 A01N 59/16 ( 2006.01 )  
 A01P 1/00 ( 2006.01 )  
 A61L 15/28 ( 2006.01 )  
 D06M 11/83 ( 2006.01 )  
 C12P 19/04 ( 2006.01 )

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 (74) Patentec Patent Attorneys

(71) Qilu University of Technology  
 (11) AU-A-2021104826  
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 (54) METHOD FOR MAKING WOOD-CONVERTED CARBON FIBER PAPER  
 (51) Int. Cl.  
 D01F 9/16 ( 2006.01 )  
 D21C 1/06 ( 2006.01 )  
 D21D 1/02 ( 2006.01 )  
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 (74) Patentec Patent Attorneys

(71) Qilu University of Technology  
 (11) AU-A-2021105044  
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 (54) CELLULOSE/ARAMID NANOFIBER COMPOSITE FILM AND PREPARATION METHOD AND APPLICATION THEREOF  
 (51) Int. Cl.  
 C08J 5/22 ( 2006.01 )  
 B82Y 30/00 ( 2011.01 )  
 C08L 1/02 ( 2006.01 )  
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 (45) 30.09.2021  
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 (74) Madderns Pty Ltd

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*C08J 5/18* ( 2006.01 )  
*C08L 1/28* ( 2006.01 )  
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 (11) AU-A-2021105062  
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 (54) WOOD PULP/ARAMID PULP MULTIFUNCTIONAL COMPOSITE PAPER AND PREPARATION METHOD AND APPLICATION THEREOF  
 (51) Int. Cl.  
*D21H 13/26* ( 2006.01 )  
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- (71) Qingdao Agricultural University  
 (11) AU-A-2021104651  
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 (51) Int. Cl.  
*G01N 1/08* ( 2006.01 )  
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 (54) Rope-type Retainer  
 (51) Int. Cl.  
*F16G 11/02* ( 2006.01 )  
*F16G 11/10* ( 2006.01 )  
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 (11) AU-A-2021104705  
 (21) 2021104705 (22) 29.07.2021

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 (51) Int. Cl.  
*A01C 7/06* ( 2006.01 )  
*A01B 49/06* ( 2006.01 )  
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- (71) Qingdao Agricultural University; Qingdao laoshan district bureau of natural resources; Qingdao Jiazhi Biotechnology Co., Ltd.  
 (11) AU-A-2021104995  
 (21) 2021104995 (22) 05.08.2021  
 (54) An Auxiliary Device For Drenching Oxen And Horses  
 (51) Int. Cl.  
*A01K 13/00* ( 2006.01 )  
*A01K 1/06* ( 2006.01 )  
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 (74) WRAYS PTY LTD

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 (51) Int. Cl.  
*G09B 3/00* ( 2006.01 )  
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 (51) Int. Cl.  
*A01D 46/30* ( 2006.01 )  
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*A01D 46/24* ( 2006.01 )  
*B07C 5/06* ( 2006.01 )  
*B65B 5/04* ( 2006.01 )  
*B65B 25/04* ( 2006.01 )  
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 (54) Hydrogenated polyisoprene rubber and preparation method thereof  
 (51) Int. Cl.  
*C08C 19/02* ( 2006.01 )  
*B01J 27/055* ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd

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 (11) AU-A-2021105049  
 (21) 2021105049 (22) 06.08.2021  
 (54) Method for separating ethyl acetate and ethanol by double tower variable pressure rectification  
 (51) Int. Cl.  
*B01D 3/14* ( 2006.01 )  
*B01D 3/26* ( 2006.01 )  
*C07C 29/80* ( 2006.01 )  
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 (11) AU-A-2021105050  
 (21) 2021105050 (22) 06.08.2021  
 (54) Preparation method and application of ultra high activity modified CdS material piezoelectric catalytic material  
 (51) Int. Cl.  
*B01J 27/04* ( 2006.01 )  
*B01J 35/00* ( 2006.01 )  
*B01J 37/04* ( 2006.01 )  
*B01J 37/08* ( 2006.01 )  
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 (11) AU-A-2021104703  
 (21) 2021104703 (22) 29.07.2021  
 (54) A frameless aesthetic access hatch  
 (51) Int. Cl.  
     E06B 5/01 ( 2006.01 )  
     E04F 19/08 ( 2006.01 )  
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(71) Rakman International Pty Ltd  
 (11) AU-A-2021104704  
 (21) 2021104704 (22) 29.07.2021  
 (54) A passive fire protection thermal shield for air gap insulating heat conductive services during the event of a fire  
 (51) Int. Cl.  
     H02G 3/04 ( 2006.01 )  
     F16L 57/04 ( 2006.01 )  
     F16L 59/06 ( 2006.01 )  
     A62C 3/16 ( 2006.01 )  
     H02G 3/00 ( 2006.01 )  
     H02G 3/22 ( 2006.01 )  
     H02G 3/30 ( 2006.01 )  
 (31) 2020903908 (32) 28.10.20 (33) AU  
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 (72) Rakic, John  
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(71) RCA Civil Group Pty Ltd  
 (11) AU-A-2021104674  
 (21) 2021104674 (22) 28.07.2021  
 (54) Blending apparatus for road shoulder  
 (51) Int. Cl.  
     E01C 23/06 ( 2006.01 )  
     E01C 23/088 ( 2006.01 )  
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     E01C 19/48 ( 2006.01 )  
 (45) 30.09.2021  
 (72) Sutherland, Travis Owen; Sutherland, Steven Geoffrey  
 (74) Armour IP Pty Ltd

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 (11) AU-A-2021104900  
 (21) 2021104900 (22) 04.08.2021  
 (54) Peer-to-Peer Digital Referral System  
 (51) Int. Cl.  
     G06Q 30/02 ( 2012.01 )  
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 (45) 30.09.2021  
 (72) Player, Milton  
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(71) RIJATEK Design Pty Ltd  
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 (21) 2021104964 (22) 05.08.2021  
 (54) CABLE REEL  
 (51) Int. Cl.  
     H02G 11/02 ( 2006.01 )  
     B65H 75/14 ( 2006.01 )  
     B65H 57/04 ( 2006.01 )

B65H 75/22 ( 2006.01 )  
 H01R 24/20 ( 2011.01 )  
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 (72) Packer, John; Hampel, Ian  
 (74) Summit IP

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 (11) AU-A-2021104685  
 (21) 2021104685 (22) 29.07.2021  
 (54) Anatomical covering  
 (51) Int. Cl.  
     G09B 23/28 ( 2006.01 )  
 (31) 2020902703 (32) 01.08.20 (33) AU  
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 (11) AU-A-2021104876  
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 (54) Equine Boot  
 (51) Int. Cl.  
     A01K 13/00 ( 2006.01 )  
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 (72) Macdonald, David  
 (74) COOPER IP PTY. LTD.

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 (11) AU-A-2021104906  
 (21) 2021104906 (22) 04.08.2021  
 (54) Application of a bile acid composite bacterial agent in the preparation of swine feed additives  
 (51) Int. Cl.  
     A23K 10/18 ( 2016.01 )  
     A23K 20/10 ( 2016.01 )  
     A23K 20/168 ( 2016.01 )  
     A23K 50/30 ( 2016.01 )  
     A61K 35/413 ( 2015.01 )  
     A61K 35/74 ( 2015.01 )  
     A61K 36/61 ( 2006.01 )  
     A61P 1/12 ( 2006.01 )  
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 (51) Int. Cl.  
     A61K 31/015 ( 2006.01 )  
     A01N 65/00 ( 2009.01 )  
     A01P 1/00 ( 2006.01 )  
     A01P 7/00 ( 2006.01 )  
     A61K 31/045 ( 2006.01 )  
     A61K 31/352 ( 2006.01 )  
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 (21) 2021104811

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 (11) AU-A-2021104737  
 (21) 2021104737 (22) 30.07.2021  
 (54) FRUIT AND VEGETABLE SEED EXTRACTOR AND METHOD FOR EXTRACTING AND TREATING SEEDS  
 (51) Int. Cl.  
     A23N 4/16 ( 2006.01 )  
 (45) 30.09.2021  
 (72) LUN, Yaoyao; CHENG, Lin; GUO, Jiajin; PAN, Zilong; CHEN, Fudong; WANG, Xingcui  
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 (11) AU-A-2021104805  
 (21) 2021104805 (22) 02.08.2021  
 (54) MOLECULAR MARKER FOR FUSARIUMCROWNANDROOTROT (FCRR), AND LABELING METHOD AND USE THEREOF  
 (51) Int. Cl.  
     C12Q 1/6895 ( 2018.01 )

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**(72)** ZHANG, Sheng; CHENG, Lin; GUO, Jiajin; CHEN, Fudong; ZHANG, Xiaoyan; DONG, Tian; LIU, Yue; LI, Xiaojie; WANG, Rufang; DONG, Jing; YU, Caiyu  
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**(11)** AU-A-2021104809  
**(21)** 2021104809 **(22)** 02.08.2021  
**(54)** HIGH-THROUGHPUT MOLECULAR MARKER FOR IDENTIFYING FUSARIUMCROWNANDROOTROT (FCRR) RESISTANCE, AND LABELING METHOD AND USE THEREOF  
**(51)** Int. Cl.  
**C12Q 1/6895** ( 2018.01 )  
**A01H 1/00** ( 2006.01 )  
**A01H 1/04** ( 2006.01 )  
**A01H 6/82** ( 2018.01 )  
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**(11)** AU-A-2021104811  
**(21)** 2021104811 **(22)** 02.08.2021  
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**(51)** Int. Cl.  
**C12Q 1/6895** ( 2018.01 )  
**A01H 1/00** ( 2006.01 )  
**A01H 1/04** ( 2006.01 )  
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**(45)** 30.09.2021  
**(72)** CHENG, Lin; ZHANG, Sheng; GUO, Jiajin; CHEN, Fudong; ZHANG, Xiaoyan; DONG, Tian; LI, Xiaojie; LIU, Yue; WANG, Rufang; DONG, Jing; YU, Caiyu  
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- (71)** Shandong Sport University  
**(11)** AU-A-2021104929  
**(21)** 2021104929 **(22)** 04.08.2021  
**(54)** WARM-UP DEVICE FOR ACTIVATING MUSCLES  
**(51)** Int. Cl.  
**A63B 21/02** ( 2006.01 )  
**(31)** 202011210299.5 **(32)** 03.11.20 **(33)** CN

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**(72)** TIAN, Xuewen; ZHAO, Jianmin; WANG, Qinglu; WANG, Xianrui; YAO, Xiaona  
**(74)** Burns IP & Commercial Pty Ltd
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**(11)** AU-A-2021104743  
**(21)** 2021104743 **(22)** 30.07.2021  
**(54)** A MACHINE VISION IN-SITU DETECTION PLATFORM FACING TOWARD A CUTTING SURFACE  
**(51)** Int. Cl.  
**B23Q 17/24** ( 2006.01 )  
**B23Q 17/20** ( 2006.01 )  
**B23Q 17/22** ( 2006.01 )  
**G01B 11/30** ( 2006.01 )  
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**(45)** 30.09.2021  
**(72)** Zou, Bin; Chen, Wei; Li, Yishang  
**(74)** Madderns Pty Ltd

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**(11)** AU-A-2021104874  
**(21)** 2021104874 **(22)** 03.08.2021  
**(54)** A SURFACE ROUGHNESS DETECTION METHOD BASED ON MACHINE VISION AND MACHINE LEARNING  
**(51)** Int. Cl.  
**G06T 7/00** ( 2017.01 )  
**G01B 11/30** ( 2006.01 )  
**G06N 20/00** ( 2019.01 )  
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- (71)** Shandong University of Science and Technology  
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**(54)** Multi-level early warning method for overall efficiency of main shaft hoisting system  
**(51)** Int. Cl.  
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**(21)** 2021104980

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**(21)** 2021104982

- (71)** Shanghai Ocean University  
**(11)** AU-A-2021104855  
**(21)** 2021104855 **(22)** 03.08.2021  
**(54)** MOLECULARLY IMPRINTED POLYMER FOR DETECTING BACTERIA, AND ITS PREPARATION AND USE IN BACTERIAL DETECTION  
**(51)** Int. Cl.  
**G01N 33/569** ( 2006.01 )  
**C12Q 1/06** ( 2006.01 )  
**C12Q 1/10** ( 2006.01 )  
**C12Q 1/14** ( 2006.01 )  
**G01N 33/487** ( 2006.01 )  
**G01N 33/543** ( 2006.01 )  
**G01N 27/327** ( 2006.01 )  
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**(72)** Wu, Jikui; Zhu, Min; Zhang, Junling  
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**(21)** 2021104980 **(22)** 05.08.2021  
**(54)** Wave energy self-powered locating type liftable ecological buoy  
**(51)** Int. Cl.  
**F03B 13/22** ( 2006.01 )  
**B63B 22/18** ( 2006.01 )  
**B63B 22/00** ( 2006.01 )  
**(45)** 30.09.2021  
**(72)** Wang, Zekun; Zhang, Fuxi; Wang, Shiming  
**(74)** IP SOLVED (ANZ) PTY. LTD.

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**(54)** Ocean energy power-generating device combined with offshore wind turbine  
**(51)** Int. Cl.  
**F03D 9/00** ( 2016.01 )

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**(51)** Int. Cl.  
**F03B 13/26** ( 2006.01 )  
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**(54)** Mechanism of skin aging reversal by active ingredient WGx-50 of Zanthoxylum bungeanum Maxim  
**(51)** Int. Cl.  
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**A61K 8/46** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 31/165** ( 2006.01 )  
**A61K 36/758** ( 2006.01 )  
**A61K 47/06** ( 2006.01 )  
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**(21)** 2021104712 **(22)** 29.07.2021  
**(54)** Composition of Chinese traditional medicine for the prevention of transport stress in sheep  
**(51)** Int. Cl.  
**A61K 36/481** ( 2006.01 )  
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**(54)** A SYSTEM AND METHOD FOR PREDICTING THE STOCK MARKET NEWS SENTIMENTS USING MACHINE LEARNING  
**(51)** Int. Cl.  
**G06Q 40/04** ( 2012.01 )  
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**(74)** Neha Sharma
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**(54)** An Intelligent Solution Concentrator  
**(51)** Int. Cl.  
**G01N 1/40** ( 2006.01 )  
**B01D 1/00** ( 2006.01 )  
**(45)** 30.09.2021  
**(72)** Shen, ChenYang  
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**(51)** Int. Cl.  
**C10L 9/02** ( 2006.01 )  
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**(54)** Desulfurization Method of Oxidized Coal by Electr-Fenton-iron Reduction Method  
**(51)** Int. Cl.  
**C10L 9/02** ( 2006.01 )  
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**(51)** Int. Cl.  
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**(11)** AU-A-2021105058  
**(21)** 2021105058 **(22)** 06.08.2021  
**(54)** RAPID VISUAL COLORIMETRIC DETECTION METHOD FOR ENVIRONMENTAL POLLUTANT SULFIDE IONS BASED ON PEROXIDASE-LIKE DNAZYME  
**(51)** Int. Cl.  
**G01N 21/25** ( 2006.01 )  
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**C12Q 1/28** ( 2006.01 )  
**G01N 21/29** ( 2006.01 )  
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 (51) Int. Cl.  
*H04N 21/234* ( 2011.01 )  
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 (74) Dr. Surinder Singh
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 (51) Int. Cl.  
*G01N 1/40* ( 2006.01 )  
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*G06K 19/07* ( 2006.01 )  
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 (54) EXPLOSION SUPPRESSION METHOD AND APPARATUS  
 (51) Int. Cl.  
*E21F 5/14* ( 2006.01 )  
*E21F 5/02* ( 2006.01 )  
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 (72) Humphreys, David Robert  
 (74) Davies Collison Cave Pty Ltd
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 (11) AU-A-2021104739  
 (21) 2021104739 (22) 30.07.2021  
 (54) CONSTANT FLOW SOLIDS PUMP  
 (51) Int. Cl.  
*F04F 5/24* ( 2006.01 )  
*B65G 53/28* ( 2006.01 )  
*F04F 1/02* ( 2006.01 )  
*F04F 5/44* ( 2006.01 )  
*F04F 5/48* ( 2006.01 )  
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 (72) Krohn, Mark Damien  
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 (51) Int. Cl.  
*C12P 21/06* ( 2006.01 )  
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 (51) Int. Cl.  
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*G01C 13/00* ( 2006.01 )  
*G01C 17/02* ( 2006.01 )  
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*G01C 21/20* ( 2006.01 )  
*G05B 11/42* ( 2006.01 )  
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*E01D 19/12* ( 2006.01 )  
*E02B 11/00* ( 2006.01 )  
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 (51) Int. Cl.  
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 (51) Int. Cl.  
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 (51) Int. Cl.  
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 (54) Method for rapid heating, gasification and combustion of coal under CO2 enriched high-pressure environment  
 (51) Int. Cl.  
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 (54) Electric scissors  
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(51) Int. Cl.  
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(51) Int. Cl.  
B22D 19/14 ( 2006.01 )  
B09B 3/00 ( 2006.01 )  
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C04B 35/117 ( 2006.01 )  
C04B 35/63 ( 2006.01 )  
C22C 1/02 ( 2006.01 )  
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C22C 21/00 ( 2006.01 )  
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(54) Driving Device for a Solid Three-Dimen-  
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System Thereof  
(51) Int. Cl.  
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*B29C 51/10* ( 2006.01 )

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*A47B 9/00* ( 2006.01 )

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Evaluation and Optimization Method  
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(51) Int. Cl.

*G06Q 50/08* ( 2012.01 )

*G06K 9/62* ( 2006.01 )

*G06F 17/18* ( 2006.01 )

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tial land use allocation

(51) Int. Cl.

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some with nanogold photothermal effect  
for targeting drug delivery and release,

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**A61K 9/127** ( 2006.01 )  
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**(51)** Int. Cl.  
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**(51)** Int. Cl.  
**G01S 5/16** ( 2006.01 )  
**G01C 21/20** ( 2006.01 )  
**G01S 1/70** ( 2006.01 )  
**H04B 7/0408** ( 2017.01 )  
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**(54)** Microbial Bed with Temperature Regulation  
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**C12M 1/38** ( 2006.01 )  
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**(54)** SHIITAKE MUSHROOM SMASHING DEVICE FOR FOOD PROCESSING  
**(51)** Int. Cl.  
**B26D 3/26** ( 2006.01 )

**B02C 18/06** ( 2006.01 )  
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**(54)** Landscape Water-saving Device for Green Space in Parks  
**(51)** Int. Cl.  
**E03F 5/10** ( 2006.01 )  
**A01G 25/06** ( 2006.01 )  
**E03B 11/10** ( 2006.01 )  
**E03F 5/14** ( 2006.01 )  
**C02F 1/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**C12N 3/00** ( 2006.01 )  
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**Yunnan Chuyao Expressway Construction Co., Ltd. see Yunnan Communications Investment & Construction Group Co., Ltd.**  
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**(71)** Yunnan Communications Investment & Construction Group Co., Ltd.; Beijing Zhongyan Tiandi Technology Co., Ltd.; Institute of Geology and Geophysics, Chinese Academy of Sciences; Yunnan Chuyao Expressway Construction Co., Ltd.; Henan Luanlu Expressway Construction Co., Ltd.; Yunnan Wuyi Expressway Construction Co., Ltd.; Zhongglu Hi-Tech (Beijing) Highway Technology Co., Ltd.

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**(51)** Int. Cl.  
**C04B 28/14** ( 2006.01 )  
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**(54)** A MULTI-MODAL AND VISIBLE MESH-FIXING TACK AND A PREPARATION METHOD THEREOF

**(51)** Int. Cl.  
**A61B 17/064** ( 2006.01 )  
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 (54) SAMPLING TANK FOR COLLECTING AND STORING AMBIENT AIR SAMPLES  
 (51) Int. Cl.  
     F17C 3/12 ( 2006.01 )  
     C09D 127/08 ( 2006.01 )  
     C09D 127/18 ( 2006.01 )  
     C09D 183/00 ( 2006.01 )  
     F17C 1/10 ( 2006.01 )  
 (31) 2020108358566 (32) 19.08.20 (33) CN  
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 (21) 2021105019

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(71) Zhejiang Fangyuan Test Group Co., Ltd.  
 (11) AU-A-2021105035  
 (21) 2021105035 (22) 06.08.2021  
 (54) HIGH PERFORMANCE LIQUID CHROMATOGRAPHY TANDEM MASS SPECTROMETRY METHOD FOR DETERMINING QUATERNARY AMMONIUM SALT IN FOOD PACKAGING PAPER ON THE BASIS OF DISPERSIVE SOLID PHASE EXTRACTION  
 (51) Int. Cl.  
     G01N 30/72 ( 2006.01 )  
     G01N 1/34 ( 2006.01 )  
     G01N 33/34 ( 2006.01 )  
     G01N 30/06 ( 2006.01 )  
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 (11) AU-A-2021104679  
 (21) 2021104679 (22) 28.07.2021  
 (54) 3D Gesture Translator for Sign Language Communication  
 (51) Int. Cl.  
     G06K 9/00 ( 2006.01 )  
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 (72) Liu, Dongsheng; Chen, Yahui; Liu, Yanni  
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 (11) AU-A-2021104844  
 (21) 2021104844 (22) 02.08.2021  
 (54) A Cross-media Personalized Recommendation Method  
 (51) Int. Cl.  
     G06Q 10/10 ( 2012.01 )  
     G06F 16/60 ( 2019.01 )  
     G06F 16/635 ( 2019.01 )  
     G06F 16/73 ( 2019.01 )  
     G06F 16/95 ( 2019.01 )  
     G06Q 50/00 ( 2012.01 )  
     G16Y 10/75 ( 2020.01 )  
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 (72) Guo, Feipeng; Lu, Qibei; Zhou, Wei  
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(71) Zhejiang Gongshang University  
 (11) AU-A-2021104858  
 (21) 2021104858 (22) 03.08.2021  
 (54) An Infrared Temperature Measuring Device for Aircraft Fault Detection  
 (51) Int. Cl.  
     G01J 5/04 ( 2006.01 )  
     B64F 5/60 ( 2017.01 )  
     G01N 25/72 ( 2006.01 )  
     H04N 5/33 ( 2006.01 )  
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(71) Zhejiang Gongshang University  
 (11) AU-A-2021104860  
 (21) 2021104860 (22) 03.08.2021  
 (54) A Monitoring Device Based on Blockchain  
 (51) Int. Cl.  
     F16M 11/04 ( 2006.01 )  
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 (11) AU-A-2021104988  
 (21) 2021104988 (22) 05.08.2021  
 (54) Method for improving decolorization effect of fish oil  
 (51) Int. Cl.  
     C11B 3/10 ( 2006.01 )

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(71) Zhejiang Gongshang University  
 (11) AU-A-2021104989  
 (21) 2021104989 (22) 05.08.2021  
 (54) Method for preparing crude fish oil by using fish oil soapstock  
 (51) Int. Cl.  
     C11B 13/02 ( 2006.01 )  
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 (72) Dai, Zhiyuan; Rao, Huajun; Xu, Kunhua; Zhou, Tao  
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(71) Zhejiang Shuneng Shixiang Technology Co., Ltd  
 (11) AU-A-2021104816  
 (21) 2021104816 (22) 02.08.2021  
 (54) Production process control device of digital factory  
 (51) Int. Cl.  
     H05K 5/00 ( 2006.01 )  
 (45) 30.09.2021  
 (72) Zhong, Wensheng; Zhang, Rui; Xu, Chaoyuan  
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(71) Zhejiang Shuneng Shixiang Technology Co., Ltd  
 (11) AU-A-2021104841  
 (21) 2021104841 (22) 02.08.2021  
 (54) Automatic data acquisition device of production equipment in digital factory  
 (51) Int. Cl.  
     H01R 13/52 ( 2006.01 )  
     H01R 13/50 ( 2006.01 )  
     H05K 5/02 ( 2006.01 )  
     H05K 5/03 ( 2006.01 )  
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 (72) Lou, Zeyu; Qin, Minjia  
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(71) Zhejiang Vegamax Biotechnology Co., Ltd.  
 (11) AU-A-2021104910  
 (21) 2021104910 (22) 04.08.2021  
 (54) PELLET PREMIX FEED FOR AQUACULTURE AND PREPARATION METHOD THEREOF  
 (51) Int. Cl.  
     A23K 50/80 ( 2016.01 )  
     A23K 10/18 ( 2016.01 )  
     A23K 10/30 ( 2016.01 )  
     A23K 20/105 ( 2016.01 )  
     A23K 20/163 ( 2016.01 )  
     A23K 20/174 ( 2016.01 )  
     A23K 20/20 ( 2016.01 )  
     A23K 20/24 ( 2016.01 )  
 (31) CN (32) 06.08.20 (33) CN  
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(71) Zhejiang Yongjian New Material Technology Co., Ltd.

(11) AU-A-2021104738

(21) 2021104738 (22) 30.07.2021

(54) Dewatered sludge/silt solidified by high-temperature activated composite sludge powder and method for solidifying same

(51) Int. Cl.

*C02F 11/06* ( 2006.01 )

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*B09B 3/00* ( 2006.01 )

(45) 30.09.2021

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(74) Cotters Patent & Trade Mark Attorneys

(71) Zhengzhou University

(11) AU-A-2021104972

(21) 2021104972 (22) 05.08.2021

(54) Polypropylene Fiber Recycled Brick-Concrete Coarse Aggregate Concrete and its Preparation Method

(51) Int. Cl.

*C04B 28/04* ( 2006.01 )

*C04B 16/06* ( 2006.01 )

*C04B 18/16* ( 2006.01 )

*E04C 5/07* ( 2006.01 )

*C04B 103/32* ( 2006.01 )

(45) 30.09.2021

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(21) 2021104707

Zhongshan Jiazhan Times Landscaping Co., LTD see Environmental Horticulture Institute, Guangdong Academy of Agricultural Sciences

(21) 2021104870

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<b>2020104455</b>	Coupang Corp.	<b>2021104701</b>	Norris, J.; McDonald, R.
<b>2020104456</b>	Coupang Corp.	<b>2021104702</b>	SkillPro Services Pty Ltd
<b>2020104458</b>	Coupang Corp.	<b>2021104703</b>	Rakman International Pty Ltd
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<b>2021102343</b>	MUKHERJEE, D.; RAJA, G.L.; KUNDU, P.	<b>2021104705</b>	Qingdao Agricultural University
<b>2021102478</b>	Syngen Biotech Co., Ltd	<b>2021104706</b>	Mooney, C.
<b>2021102591</b>	Singh, S.; Kumar Sharma, S.; Kumar Kansal, S.	<b>2021104707</b>	Yunnan Communications Investment & Construction Group Co., Ltd.; Beijing Zhongyan Tiandi Technology Co., Ltd.; Institute of Geology and Geophysics, Chinese Academy of Sciences; Yunnan Chuyao Expressway Construction Co., Ltd.; Henan Luanlu Expressway Construction Co., Ltd.; Yunnan Wuyi Expressway Construction Co., Ltd.; Zhonglu Hi-Tech (Beijing) Highway Technology Co., Ltd.
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<b>2021104657</b>	Menzies, G.; Menzies, T.	<b>2021104742</b>	Chengdu Daosheng Biotechnology Co., Ltd
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<b>2021104659</b>	Crop Research Institute, Shandong Academy of Agricultural Sciences	<b>2021104744</b>	63963 Unit of the Chinese People's Liberation Army; Shenyang Shunyi Technology Company Limited
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<b>2021104680</b>	Jilin university	<b>2021104756</b>	Jusand Nominees Pty Ltd
<b>2021104682</b>	Williams, E.	<b>2021104787</b>	Ghahraei, A.
<b>2021104685</b>	Safe Response Pty Ltd	<b>2021104793</b>	XUZHOU UNIVERSITY OF TECHNOLOGY
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<b>2021104689</b>	Miles, S.	<b>2021104798</b>	China Construction Industrial & Energy Engineering Group Co., Ltd; Tianjin University
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<b>2021104692</b>	Chongqing University; Shandong DOGUIDE Group Co., Ltd.		
<b>2021104693</b>	Feng, H.; Feng, R.		
<b>2021104694</b>	North University of China		
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<b>2021104807</b>	Huangshan Tianzhidu Environmental Technology Development Co., Ltd.	<b>2021104875</b>	Brown, T.
<b>2021104808</b>	Ningbo Polytechnic	<b>2021104876</b>	Scotboot Pty Ltd
<b>2021104809</b>	Shandong Shouguang Vegetable Seed Industry Group Co., Ltd.; Shandong Shouguang Vegetable Industry Group Co., Ltd.	<b>2021104877</b>	The First Medical Center Chinese PLA General Hospital; Shandong University
<b>2021104810</b>	University of Electronic Science and Technology of China, Zhongshan Institute	<b>2021104880</b>	Moma Products Pty Ltd
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<b>2021104813</b>	Ningbo Polytechnic	<b>2021104885</b>	Henan Bangni Biological Engineering Co., Ltd.
<b>2021104814</b>	Proteineasy Biological Products Research Institute (Henan) Co., LTD	<b>2021104887</b>	Wuxi JHT Homewares Co., Ltd.
<b>2021104815</b>	Academy of Agricultural Sciences of Enshi Tujia and Miao Autonomous Prefecture; Institute of traditional Chinese medicine, Hubei Academy of Agricultural Sciences	<b>2021104900</b>	Real Estate Zen Pty Ltd
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<b>2021104839</b>	Huaiyin Institute of Agricultural Sciences in Xuhuai area of Jiangsu Province	<b>2021104924</b>	LEEDARSON LIGHTING CO., LTD.
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<b>2021104866</b>	huaiyin normal university; South China University of Technology; Huaiyin Institute of Agricultural Sciences in Xuhuai area of Jiangsu Province	<b>2021104956</b>	HIGH-GENE (Shanghai) BIOLOGICAL TECHNOLOGY Co., LTD.
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		<b>2021104968</b>	Huaiyin Institute of Agricultural Sciences in Xuhuai area of Jiangsu Province
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<b>2021104980</b>	Shanghai Ocean University; Shanghai Marine Renewable Energy Engineering Technology Research Center	<b>2021105107</b>	CHINA RAILWAY MAJOR BRIDGE ENGINEERING GROUP CO., LTD; CHINA RAILWAY BRIDGE SCIENCE RESEARCH INSTITUTE, LTD.
<b>2021104981</b>	Shanghai Ocean University; Shanghai Marine Renewable Energy Engineering Technology Research Center	<b>2021105108</b>	CHINA RAILWAY MAJOR BRIDGE ENGINEERING GROUP CO., LTD; CHINA RAILWAY BRIDGE SCIENCE RESEARCH INSTITUTE, LTD.
<b>2021104982</b>	Shanghai Ocean University; Shanghai Marine Renewable Energy Engineering Technology Research Center	<b>2021105109</b>	CHINA RAILWAY MAJOR BRIDGE ENGINEERING GROUP CO., LTD; CHINA RAILWAY BRIDGE SCIENCE RESEARCH INSTITUTE, LTD.
<b>2021104983</b>	Techtronic Cordless GP	<b>2021105110</b>	CHINA RAILWAY MAJOR BRIDGE ENGINEERING GROUP CO., LTD; CHINA RAILWAY BRIDGE SCIENCE RESEARCH INSTITUTE, LTD.
<b>2021104984</b>	Anshan Power Supply Company, State Grid Liaoning Power Co., Ltd.; North China Electric Power University; State Grid Corporation of China	<b>2021105111</b>	Guangzhou Herui Business Consulting Service Co., Ltd.
<b>2021104986</b>	Taiyuan University of Technology	<b>2021105113</b>	Bolack, R.
<b>2021104988</b>	Zhejiang Gongshang University	<b>2021105114</b>	GMP Pharmaceuticals Pty Ltd
<b>2021104989</b>	Zhejiang Gongshang University	<b>2021105115</b>	Yangzhou University
<b>2021104991</b>	South China Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences; Guangdong Baiwei Biological Technology Co., Ltd.; Guangdong Shun Xin Ocean Fishery Group Co., Ltd.	<b>2021105116</b>	Brunswick, C.
<b>2021104992</b>	YUNNAN UNIVERSITY	<b>2021105117</b>	Hexi University
<b>2021104993</b>	Hebei Ruilong Biotechnology Co., Ltd.	<b>2021105119</b>	Guangzhou Herui Business Consulting Service Co., Ltd.
<b>2021104994</b>	Tianjin University		
<b>2021104995</b>	Qingdao Agricultural University; Qingdao laoshan district bureau of natural resources; Qingdao Jiazhi Biotechnology Co., Ltd.		
<b>2021104996</b>	China Railway Liuyuan Group Co., Ltd; China Railway Tunnel Survey Design Institute co.,Ltd		
<b>2021105019</b>	Environment Monitoring Center of Jiangsu Province; Zhao, Y.		
<b>2021105020</b>	Sinosteel Nanjing New Materials Research Institute Co., Ltd.		
<b>2021105022</b>	Sinosteel New Materials Co., Ltd.		
<b>2021105026</b>	Fortescue Metals Group Ltd		
<b>2021105029</b>	Locklív Holdings Pty. Ltd.		
<b>2021105035</b>	Zhejiang Fangyuan Test Group Co., Ltd.		
<b>2021105037</b>	LU, M.		
<b>2021105038</b>	Practical Pty Ltd		
<b>2021105039</b>	Thomas, A.J.		
<b>2021105042</b>	Nitti, A.		
<b>2021105043</b>	Imtrade Australia Pty Ltd		
<b>2021105044</b>	Qilu University of Technology		
<b>2021105045</b>	Jilin University		
<b>2021105046</b>	Taiyuan University of Technology		
<b>2021105047</b>	Higgins, J.		
<b>2021105049</b>	Qingdao University of Science and Technology		
<b>2021105050</b>	Qingdao University of Science and Technology		
<b>2021105052</b>	Agro-Environmental Protection Institute, Ministry of Agriculture and Rural Affairs		
<b>2021105053</b>	Harrison, A.		
<b>2021105055</b>	Ocean University of China		
<b>2021105056</b>	Xinjiang University		
<b>2021105057</b>	Nanjing Forestry University; Yanling Guangwei Wood Industry Co. Ltd		
<b>2021105058</b>	SHIJIAZHANG TECHNOLOGY CENTER FOR CUSTOMS DISTRICT P.R.CHINA; BEIJING RESEARCH CENTER FOR AGRICULTURAL STANDARDS AND TESTING; North China Electric Power University		
<b>2021105059</b>	BEIJING RESEARCH CENTER FOR AGRICULTURAL STANDARDS AND TESTING; SHIJIAZHANG TECHNOLOGY CENTER FOR CUSTOMS DISTRICT P.R.CHINA; North China Electric Power University; Hebei Medical University		
<b>2021105060</b>	Qilu University of Technology		
<b>2021105061</b>	Bruckbauer, W.		
<b>2021105062</b>	Qilu University of Technology		
<b>2021105063</b>	Hunan Research Institute for Nonferrous Metals		
<b>2021105064</b>	Sinosteel Nanjing New Materials Research Institute Co., Ltd.		

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2021104705	2021104876 2021104995	2021104687	2021104655	2021104660	
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2021104005	2021104695	2021104712 2021104906 2021104910	2021104938	2021104941	2021104650 2021104663 2021104838 2021104991 2021105114
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2021104866 2021104867 2021104913 2021104968	2021104903	2021104825	2021104938	2021105113	2021104650 2021104663 2021104838 2021105114
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2021104805 2021104809 2021104811	2021104908	2021104787	2021104656	2021104712 2021104991	2021104906
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2021104805 2021104809 2021104811	2021104903	2021104885	2021104911	2021102478 2021104650 2021104712 2021104754 2021104801	2021104650 2021104838
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<b><u>A61P 43 /-</u></b>	2021104798	2021101569	<b><u>B26D 7 /-</u></b>	2021104691	2021105109
2021104815	<b><u>B01D 67 /-</u></b>	<b><u>B22D 23 /-</u></b>	2021104752 2021104793	<b><u>B29K 63 /-</u></b>	<b><u>B60W 50 /-</u></b>
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	2021104798	<b><u>C07C 31/-</u></b>	2021104817	2021104720	2021104670
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	2021104719	<b><u>C07C 45/-</u></b>	<b><u>C11B 13/-</u></b>	2021104912	2021104674
<b><u>B65B 29/-</u></b>	2021104804	2021102591	2021104989	<b><u>C22B 11/-</u></b>	<b><u>E01C 21/-</u></b>
2021103709	2021105052		<b><u>C11B 3/-</u></b>	2021104912	2021104707
	2021105055	<b><u>C07C 47/-</u></b>	2021104988		
<b><u>B65B 35/-</u></b>	2021105115	2021102591		<b><u>C22B 15/-</u></b>	<b><u>E01C 23/-</u></b>
2021104005	<b><u>C02F 11/-</u></b>		<b><u>C11D 17/-</u></b>	2021105063	2021104674
	2021104738	<b><u>C07C 67/-</u></b>	2021103708	2021104862	2021104862
<b><u>B65B 5/-</u></b>		2021105049	2021103709	<b><u>C22C 1/-</u></b>	
2021104005	<b><u>C02F 3/-</u></b>				<b><u>E01C 3/-</u></b>
	2021104804	<b><u>C07K 1/-</u></b>	<b><u>C12M 1/-</u></b>	2021101569	2021104707
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2021104657			2021104742		<b><u>E01C 7/-</u></b>
	<b><u>C04B 103/-</u></b>	<b><u>C07K 7/-</u></b>	2021104907	2021101569	2021104707
<b><u>B65D 25/-</u></b>	2021104707	2021104736		<b><u>C22C 32/-</u></b>	
2021103708	2021104972		<b><u>C12M 3/-</u></b>	2021101569	<b><u>E01C 9/-</u></b>
		<b><u>C08B 37/-</u></b>	2021104742		2021104670
<b><u>B65D 65/-</u></b>	<b><u>C04B 111/-</u></b>	2021105065	<b><u>C12N 1/-</u></b>	<b><u>C22C 47/-</u></b>	<b><u>E01D 1/-</u></b>
2021103708	2021104707		2021104715	2021101569	2021105107
	<b><u>C04B 16/-</u></b>	2021104824	2021104720	<b><u>C22C 49/-</u></b>	
<b><u>B65D 81/-</u></b>	2021104972		<b><u>C12N 15/-</u></b>		<b><u>E01D 19/-</u></b>
2021103709		<b><u>C08J 3/-</u></b>	2021101569		2021104670
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	2021104692	<b><u>C08L 77/-</u></b>			2021104670
<b><u>B82Y 30/-</u></b>		2021105060	<b><u>C12P 21/-</u></b>	<b><u>D06M 11/-</u></b>	
2021105044	<b><u>C05D 9/-</u></b>		2021104991		<b><u>E02D 17/-</u></b>
	2021105037	<b><u>C09D 127/-</u></b>		2021104823	2021104707
<b><u>B82Y 40/-</u></b>		2021104937	<b><u>C12Q 1/-</u></b>	<b><u>D21C 1/-</u></b>	
2021104658	<b><u>C05F 11/-</u></b>		2021104677	2021104826	<b><u>E02D 29/-</u></b>
	2021105037	<b><u>C09D 183/-</u></b>	2021104708		2021103538
<b><u>C01B 32/-</u></b>		2021104937	2021104714	<b><u>D21D 1/-</u></b>	2021104696
2021104658	<b><u>C05F 3/-</u></b>		2021104715		
	2021104839	<b><u>C09K 17/-</u></b>	2021104805	2021104826	<b><u>E02D 3/-</u></b>
<b><u>C02F 1/-</u></b>		2021104707	2021104809		
2021104658	<b><u>C05G 3/-</u></b>		2021104811	<b><u>D21H 13/-</u></b>	2021104707
2021104719	2021105037	<b><u>C10J 3/-</u></b>	2021104855	2021105062	<b><u>E02D 7/-</u></b>
2021104798			2021104868		
2021105052	<b><u>C07C 29/-</u></b>	2021105046	2021104919	<b><u>D21H 15/-</u></b>	2021105108
2021105055			2021105058		
2021105115			2021105059	2021105062	

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<b><u>E03B 1 /-</u></b>		<b><u>E21B 21 /-</u></b>	<b><u>F04B 19 /-</u></b>	<b><u>F16L 57 /-</u></b>	<b><u>F21Y 115 /-</u></b>
2021105115	<b><u>E04H 17 /-</u></b>	2021104175	2021105038	2021104704	2021104859
<b><u>E03B 11 /-</u></b>	2021104696	<b><u>E21B 43 /-</u></b>	<b><u>F04B 23 /-</u></b>	<b><u>F16L 59 /-</u></b>	2021104880
2021105115	<b><u>E05B 17 /-</u></b>	2021104175	2021105038	2021104704	<b><u>F23L 13 /-</u></b>
<b><u>E03F 1 /-</u></b>	2021105029	2021105038	<b><u>F04B 37 /-</u></b>	<b><u>F16L 9 /-</u></b>	2021104678
2021105052	<b><u>E05B 39 /-</u></b>	<b><u>E21B 7 /-</u></b>	2021105038	2021105057	<b><u>F23N 3 /-</u></b>
<b><u>E03F 3 /-</u></b>	2021105029	2021104175	<b><u>F04C 2 /-</u></b>	<b><u>F16M 1 /-</u></b>	2021104678
2021104670	<b><u>E05B 41 /-</u></b>	<b><u>E21D 13 /-</u></b>	2021105038	2021104657	<b><u>F24C 15 /-</u></b>
<b><u>E03F 5 /-</u></b>	2021105029	2021104996	<b><u>F04D 25 /-</u></b>	<b><u>F16M 11 /-</u></b>	2021105061
2021104670	<b><u>E05B 45 /-</u></b>	<b><u>E21D 20 /-</u></b>	2021104924	2021104860	<b><u>F24F 1 /-</u></b>
2021105052	2021105029	2021104741	<b><u>F04F 1 /-</u></b>	<b><u>F16M 13 /-</u></b>	2021104923
2021105115	<b><u>E05B 47 /-</u></b>	2021104755	2021104739	2021105116	<b><u>F24F 13 /-</u></b>
<b><u>E04B 2 /-</u></b>	2021105029	2021104756	<b><u>F04F 5 /-</u></b>	<b><u>F16M 7 /-</u></b>	2021103065
2021104952	<b><u>E05B 49 /-</u></b>	<b><u>E21D 21 /-</u></b>	2021104739	2021104657	2021104924
<b><u>E04B 9 /-</u></b>	2021105029	2021104741	<b><u>F16B 13 /-</u></b>	<b><u>F17C 1 /-</u></b>	2021104925
2021104703	<b><u>E05B 51 /-</u></b>	2021104755	2021104741	2021104937	<b><u>F24F 7 /-</u></b>
<b><u>E04C 2 /-</u></b>	2021105029	2021104756	<b><u>F16B 2 /-</u></b>	<b><u>F17C 3 /-</u></b>	2021103065
2021104952	<b><u>E05B 53 /-</u></b>	2021104996	2021104682	2021104937	2021104923
<b><u>E04C 3 /-</u></b>	2021105029	<b><u>E21F 1 /-</u></b>	2021104711	<b><u>F21S 41 /-</u></b>	2021104924
2021104696	<b><u>E05D 11 /-</u></b>	2021103065	<b><u>F16F 15 /-</u></b>	2021104961	2021104925
<b><u>E04C 5 /-</u></b>	2021104656	<b><u>E21F 5 /-</u></b>	2021105110	2021104962	2021104926
2021104691	<b><u>E05D 15 /-</u></b>	2021104702	<b><u>F16G 11 /-</u></b>	<b><u>F21S 8 /-</u></b>	2021104926
2021104972	2021104822	<b><u>E21F 7 /-</u></b>	2021104653	2021104880	2021104958
<b><u>E04D 15 /-</u></b>	<b><u>E05D 3 /-</u></b>	2021104175	<b><u>F16K 1 /-</u></b>	<b><u>F21S 9 /-</u></b>	<b><u>F25D 21 /-</u></b>
2021105116	2021104735	2021104657	2021104671	2021104859	2021104810
<b><u>E04D 3 /-</u></b>	<b><u>E05D 7 /-</u></b>	<b><u>F02D 41 /-</u></b>	2021104807	2021104880	<b><u>F25D 25 /-</u></b>
2021104435	2021104656	2021104680	<b><u>F16K 15 /-</u></b>	<b><u>F21V 13 /-</u></b>	2021105019
<b><u>E04D 5 /-</u></b>	<b><u>E06B 5 /-</u></b>	<b><u>F02M 25 /-</u></b>	2021104671	2021104962	<b><u>F28D 1 /-</u></b>
2021104661	2021104703	2021104680	<b><u>F16K 17 /-</u></b>	<b><u>F21V 23 /-</u></b>	2021104887
<b><u>E04F 11 /-</u></b>	<b><u>E06C 1 /-</u></b>	<b><u>F02M 27 /-</u></b>	2021104671	2021104880	<b><u>F41A 9 /-</u></b>
2021104735	2021104735	2021104680	<b><u>F16K 27 /-</u></b>	<b><u>F21V 29 /-</u></b>	2021104966
<b><u>E04F 19 /-</u></b>	<b><u>E06C 5 /-</u></b>	<b><u>F03B 13 /-</u></b>	2021104671	2021104961	<b><u>F41B 11 /-</u></b>
2021104703	2021104735	2021104680	<b><u>F16K 31 /-</u></b>	<b><u>F21V 31 /-</u></b>	2021104966
<b><u>E04G 21 /-</u></b>	2021104735	2021104980	2021104671	2021104961	<b><u>G01B 11 /-</u></b>
2021104661	<b><u>E06C 7 /-</u></b>	2021104981	<b><u>F16L 13 /-</u></b>	<b><u>F21W 111 /-</u></b>	2021104743
2021104711	2021105116	2021104982	2021103662	2021104859	2021104862
<b><u>E04G 5 /-</u></b>	<b><u>E21B 17 /-</u></b>	<b><u>F03D 13 /-</u></b>	<b><u>F16L 35 /-</u></b>	<b><u>F21W 131 /-</u></b>	2021104874
2021105116	2021104175	2021104981	2021104936	2021104880	<b><u>G01B 3 /-</u></b>
<b><u>E04H 15 /-</u></b>	2021104755	<b><u>F03D 9 /-</u></b>			2021104710
2021104735	2021104756	2021104981			
2021104921					

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<b><u>G01B 5 /-</u></b>	2021104960 2021105058 2021105059	<b><u>G01V 3 /-</u></b>	2021104832	<b><u>G06F 21 /-</u></b>	2021104900 2021104905 2021104975 2021104978 2021104984	<b><u>G08B 13 /-</u></b>	2021104843
2021104660 2021104960				2021104871			
<b><u>G01B 9 /-</u></b>	<b><u>G01N 25 /-</u></b>	<b><u>G01V 9 /-</u></b>	<b><u>G06F 3 /-</u></b>			<b><u>G08B 21 /-</u></b>	
2021104935	2021104858	2021104794	2021104745		<b><u>G06Q 20 /-</u></b>	2021105029	
<b><u>G01C 13 /-</u></b>	<b><u>G01N 27 /-</u></b>	<b><u>G01V 99 /-</u></b>	<b><u>G06F 30 /-</u></b>		2020104447 2020104458 2021104871 2021104965	<b><u>G08G 1 /-</u></b>	
2021104827	2021104855	2021104794 2021104836 2021104861	2021102343 2021104794 2021104861			2021104800 2021105109	
<b><u>G01C 17 /-</u></b>	<b><u>G01N 29 /-</u></b>	<b><u>G02B 21 /-</u></b>	<b><u>G06F 40 /-</u></b>		<b><u>G06Q 30 /-</u></b>	<b><u>G09B 1 /-</u></b>	
2021104827	2021104694 2021104959 2021104986	2021104690	2021102957 2021104693 2021104904		2020104451 2021104706 2021104745 2021104854 2021104871 2021104900 2021105053	2021104994	
<b><u>G01C 21 /-</u></b>	<b><u>G01N 30 /-</u></b>	<b><u>G05B 11 /-</u></b>	<b><u>G06K 19 /-</u></b>			<b><u>G09B 23 /-</u></b>	
2021104827 2021105056	2021105035	2021104827	2021104871 2021105064			2021104656 2021104660 2021104685 2021105047	
<b><u>G01C 9 /-</u></b>	<b><u>G01N 33 /-</u></b>	<b><u>G05B 13 /-</u></b>			<b><u>G06Q 40 /-</u></b>	<b><u>G09B 25 /-</u></b>	
2021104827 2021105108	2021104677 2021104690 2021104855 2021104960 2021105022 2021105035 2021105058 2021105059	2021102343 2021104734 2021104744 2021104978 2021104984			2021102957 2021104138 2021104975 2021104984	2021104994	
<b><u>G01D 11 /-</u></b>		<b><u>G05B 17 /-</u></b>	<b><u>G06K 7 /-</u></b>			<b><u>G09B 3 /-</u></b>	
2021104710		2021102343	2021104854			2021105066	
<b><u>G01H 9 /-</u></b>	<b><u>G01N 35 /-</u></b>	<b><u>G05B 19 /-</u></b>	<b><u>G06K 9 /-</u></b>		<b><u>G06Q 50 /-</u></b>	<b><u>G09B 5 /-</u></b>	
2021104717	2021105020	2021104734	2021102956 2021104679 2021104693 2021104706 2021104800		2020104452 2020104455 2020104456 2021102957 2021104652 2021104800 2021104819 2021104821 2021104829 2021104842 2021104844 2021104854 2021104900 2021104905 2021104978 2021104984	2021104864 2021105047	
<b><u>G01J 3 /-</u></b>	<b><u>G01N 5 /-</u></b>	<b><u>G05B 23 /-</u></b>	<b><u>G06N 20 /-</u></b>			<b><u>G09B 7 /-</u></b>	
2021104745	2021104709	2021104744	2021102957 2021104693 2021104794 2021104874 2021104904			2021104652	
<b><u>G01J 5 /-</u></b>	<b><u>G01R 33 /-</u></b>	<b><u>G05B 6 /-</u></b>	<b><u>G06N 3 /-</u></b>			<b><u>G09F 7 /-</u></b>	
2021104858	2021104699	2021104827	2021102956 2021102957 2021104734 2021104744 2021104794 2021104904 2021104935			2021104745	
<b><u>G01M 7 /-</u></b>	<b><u>G01S 1 /-</u></b>	<b><u>G05D 1 /-</u></b>	<b><u>G06N 5 /-</u></b>			<b><u>G10L 15 /-</u></b>	
2021104717	2021105056	2021104734 2021104827	2021104717 2021104874			2021104873	
<b><u>G01N 1 /-</u></b>	<b><u>G01S 15 /-</u></b>	<b><u>G05D 23 /-</u></b>	<b><u>G06T 1 /-</u></b>			<b><u>G10L 25 /-</u></b>	
2021104651 2021104677 2021104690 2021104697 2021104806 2021104934 2021105020 2021105035 2021105045	2021104694	2021104927	2021104706			2021104873	
<b><u>G01N 13 /-</u></b>	<b><u>G01S 17 /-</u></b>	<b><u>G06F 1 /-</u></b>	<b><u>G06T 5 /-</u></b>			<b><u>G16H 50 /-</u></b>	
2021104861	2021104862	2021104679	2021104717 2021104874			2021104693	
<b><u>G01N 15 /-</u></b>	<b><u>G01S 3 /-</u></b>	<b><u>G06F 111 /-</u></b>	<b><u>G06T 7 /-</u></b>			<b><u>G16Y 10 /-</u></b>	
2021104709 2021104836 2021104861	2021104694	2021102343	2021104688 2021104861 2021104862 2021104874			2021104844	
<b><u>G01N 21 /-</u></b>	<b><u>G01S 5 /-</u></b>	<b><u>G06F 16 /-</u></b>	<b><u>G06T 10 /-</u></b>			<b><u>H01H 23 /-</u></b>	
2021104677 2021104717 2021104829 2021104862	2021105056	2021102957 2021104706 2021104844	2020104450 2020104452 2020104454 2020104455 2021104800 2021104819 2021104821 2021104842 2021104844 2021104854			2021104967	
	<b><u>G01S 7 /-</u></b>	<b><u>G06F 17 /-</u></b>	<b><u>G07C 5 /-</u></b>			<b><u>H01L 33 /-</u></b>	
	2021104694	2021102957 2021104800	2021104854			2021104970	
	<b><u>G01V 1 /-</u></b>		<b><u>G07C 9 /-</u></b>			<b><u>H01M 10 /-</u></b>	
	2021104959		2021104854			2021104686 2021104796 2021104927	

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2021104686 2021104796	2021104940
<b><u>H01R 107 /-</u></b>	<b><u>H04L 29 /-</u></b>
2021104922	2020104458 2021104654 2021104940
<b><u>H01R 11 /-</u></b>	
2021104922	<b><u>H04L 5 /-</u></b>
<b><u>H01R 13 /-</u></b>	2021104939
2021104841 2021104922	<b><u>H04M 3 /-</u></b>
	2021104654
<b><u>H01R 24 /-</u></b>	<b><u>H04N 21 /-</u></b>
2021104922 2021104964	2021102956
<b><u>H01R 31 /-</u></b>	<b><u>H04N 5 /-</u></b>
2021104922	2021104717 2021104843 2021104858
<b><u>H01S 5 /-</u></b>	
2021104717	<b><u>H04N 7 /-</u></b>
<b><u>H02G 11 /-</u></b>	2021104843
2021104964	<b><u>H04R 25 /-</u></b>
<b><u>H02G 3 /-</u></b>	2021104787
2021104704	<b><u>H04W 28 /-</u></b>
<b><u>H02J 1 /-</u></b>	2021104939
2021104927	<b><u>H04W 4 /-</u></b>
<b><u>H02J 3 /-</u></b>	2021104821 2021105056
2021104984	<b><u>H04W 72 /-</u></b>
<b><u>H02J 4 /-</u></b>	2021104939
2021104984	<b><u>H05K 5 /-</u></b>
<b><u>H02J 7 /-</u></b>	2021104816 2021104841
2021104880 2021104927	<b><u>No IPC Mark</u></b>
<b><u>H02J 9 /-</u></b>	
2021104880	
<b><u>H03B 28 /-</u></b>	
2021104832	
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2021105056	
<b><u>H04B 7 /-</u></b>	
2021104939 2021105056	
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2021102956	

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

<p>(71) Acergy France SAS (11) AU-A-2020243441 (21) 2020243441 (22) 16.03.2020 (54) Subsea pipelines equipped with direct electrical heating systems (51) Int. Cl. F16L 53/32 ( 2018.01 ) E21B 43/01 ( 2006.01 ) F16L 53/37 ( 2018.01 ) F16L 59/14 ( 2006.01 ) (87) WO2020/188363 (31) 1903718.3 (32) 19.03.19 (33) GB (43) 24.09.2020 (72) WEGNER, Alexis; BOULLIAT, Vincent (74) Allens Patent &amp; Trade Mark Attorneys</p> <hr/> <p>(71) Acergy France SAS (11) AU-A-2020249871 (21) 2020249871 (22) 19.03.2020 (54) Pressure-resistant buoys (51) Int. Cl. B63B 3/13 ( 2006.01 ) B29C 67/20 ( 2006.01 ) B63B 22/00 ( 2006.01 ) (87) WO2020/194064 (31) 1904109.4 (32) 25.03.19 (33) GB (43) 01.10.2020 (72) LOENTGEN, Vincent; LODEHO, Olivier; BROUARD, Yann (74) Allens Patent &amp; Trade Mark Attorneys</p> <hr/> <p>(71) Achillion Pharmaceuticals, Inc. (11) AU-A-2020245434 (21) 2020245434 (22) 20.03.2020 (54) Pharmaceutical compounds for the treatment of complement mediated disorders (51) Int. Cl. A61K 31/401 ( 2006.01 ) A61K 31/4025 ( 2006.01 ) A61P 37/00 ( 2006.01 ) C07D 403/06 ( 2006.01 ) (87) WO2020/198062 (31) 62/822,553 (32) 22.03.19 (33) US 62/951,669 20.12.19 US (43) 01.10.2020 (72) WILES, Jason Allan; GADHACHANDA, Venkat Rao; EASTMAN, Kyle J. (74) Southern Cross Intellectual Property</p> <hr/> <p>(71) Adsett, J. (11) AU-A-2020287393 (21) 2020287393 (22) 05.06.2020 (54) Portable dynamic display apparatus and system (51) Int. Cl. G09F 9/35 ( 2006.01 ) G06Q 30/02 ( 2012.01 ) G09G 3/34 ( 2006.01 )</p>	<p>H04N 21/41 ( 2011.01 ) (87) WO2020/243784 (31) 2019901939 (32) 05.06.19 (33) AU (43) 10.12.2020 (72) ADSETT, Julian (74) KINGS PATENT &amp; TRADE MARKS ATTORNEYS PTY LTD</p> <hr/> <p>(71) Advanced Marker Discovery S.L. (11) AU-A-2020230963 (21) 2020230963 (22) 28.02.2020 (54) Protein signature for the diagnosis of colorectal cancer and/or pre-cancerous stage thereof (51) Int. Cl. G01N 33/574 ( 2006.01 ) (87) WO2020/178172 (31) 19382156.8 (32) 01.03.19 (33) EP 19382157.6 01.03.19 EP (43) 10.09.2020 (72) MARTÍN RODRÍGUEZ, Ana Carmen; PÉREZ PALACIOS, Rosa; ARROYO ARRANZ, Rocío (74) Spruson &amp; Ferguson</p> <hr/> <p>(71) Adverum Biotechnologies, Inc. (11) AU-A-2020262948 (21) 2020262948 (22) 24.04.2020 (54) Variant AAV capsids for intravitreal delivery (51) Int. Cl. A61K 48/00 ( 2006.01 ) C07K 14/005 ( 2006.01 ) C12N 15/86 ( 2006.01 ) (87) WO2020/219933 (31) 62/839,548 (32) 26.04.19 (33) US 62/923,924 21.10.19 US (43) 29.10.2020 (72) KERAVALA, Annahita; CEPEDA, Diana; GASMI, Mehdi (74) AJ PARK</p> <hr/> <p>(71) Aerie Pharmaceuticals, Inc. (11) AU-A-2020232314 (21) 2020232314 (22) 05.03.2020 (54) Pharmaceutical compositions for treating ocular diseases or disorders (51) Int. Cl. A61K 31/472 ( 2006.01 ) A61K 47/34 ( 2017.01 ) A61P 27/02 ( 2006.01 ) (87) WO2020/181060 (31) 62/814,198 (32) 05.03.19 (33) US (43) 10.09.2020 (72) DAS, Sanjib Kumar; LIN, Cheng-Wen (74) K&amp;L Gates</p> <hr/> <p>(71) Airex Co., Ltd (11) AU-A-2020250345 (21) 2020250345 (22) 17.03.2020</p>	<p>(54) Continuous decontamination device (51) Int. Cl. A61L 2/025 ( 2006.01 ) A61L 2/18 ( 2006.01 ) (87) WO2020/203257 (31) 2019-071167 (32) 03.04.19 (33) JP (43) 08.10.2020 (72) KAWASAKI, Koji; KAKUDA, Daisuke; MASUDOME, Jun; FUTAMURA, Haruka; YAZAKI, Yukihiko; KITANO, Tsukasa; GUO, Zhiqiang; OGAWA, Ayumi (74) RnB IP Pty Ltd</p> <hr/> <p>(71) Akiva Capital Holdings Inc. (11) AU-A-2020271014 (21) 2020271014 (22) 30.03.2020 (54) Systems and methods for tokenized control of smart contracts (51) Int. Cl. G06Q 20/00 ( 2012.01 ) (87) WO2020/210076 (31) 62/832,145 (32) 10.04.19 (33) US 62/835,801 18.04.19 US 62/879,187 26.07.19 US 62/897,589 09.09.19 US 16/721,067 19.12.19 US (43) 15.10.2020 (72) DUBROFSKY, Akiva (74) FB Rice Pty Ltd</p> <hr/> <p>(71) Altavant Sciences GmbH (11) AU-A-2020244278 (21) 2020244278 (22) 13.03.2020 (54) A method for treating pulmonary arterial hypertension and associated pulmonary arterial hypertension and daily dosing (51) Int. Cl. A61P 9/12 ( 2006.01 ) A61K 9/00 ( 2006.01 ) A61K 31/506 ( 2006.01 ) (87) WO2020/188352 (31) 62/819,162 (32) 15.03.19 (33) US (43) 24.09.2020 (72) ALONSO-GALICIA, Magdalena; CARPENTER, David; PACK, Thomas; RHODES, Melissa; RURKA, Julie; WRING, Steve (74) Phillips Ormonde Fitzpatrick</p> <hr/> <p>(71) Alterity Therapeutics Limited (11) AU-A-2020243376 (21) 2020243376 (22) 13.03.2020 (54) Compounds for and methods of treating diseases (51) Int. Cl. C07D 471/04 ( 2006.01 ) A61K 31/437 ( 2006.01 ) A61K 31/5025 ( 2006.01 ) A61K 31/519 ( 2006.01 ) A61P 25/28 ( 2006.01 )</p>
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**(54)** Aqueous formulations of TNF-alpha antibodies in high concentrations  
**(51)** Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**C07K 16/24** ( 2006.01 )  
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**(54)** Prevention of coagulation of nut milk  
**(51)** Int. Cl.  
**A23C 11/10** ( 2006.01 )  
**A23L 25/00** ( 2016.01 )  
**C12N 9/10** ( 2006.01 )  
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**(21)** 2020226258 **(22)** 19.02.2020  
**(54)** Prevention of coagulation of vegetable milk  
**(51)** Int. Cl.  
**A23C 11/10** ( 2006.01 )  
**A23L 25/00** ( 2016.01 )  
**C12N 9/10** ( 2006.01 )  
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**(72)** FUJIOKA Hiroki  
**(74)** FPA Patent Attorneys Pty Ltd
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**(21)** 2020245573 **(22)** 26.03.2020  
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**(51)** Int. Cl.  
**G01N 24/08** ( 2006.01 )  
**G01R 33/46** ( 2006.01 )  
**G01R 33/465** ( 2006.01 )
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**(54)** Predicting cell culture performance in bioreactors  
**(51)** Int. Cl.  
**G01N 33/50** ( 2006.01 )  
**G05B 13/04** ( 2006.01 )  
**G05B 17/02** ( 2006.01 )  
**G06N 3/00** ( 2006.01 )  
**G06N 7/04** ( 2006.01 )  
**G06N 20/00** ( 2019.01 )  
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**(74)** Spruson & Ferguson
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**(54)** A salt and crystal form of a FAK inhibitor  
**(51)** Int. Cl.  
**C07D 401/12** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd
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**(54)** Electrochemical PH sensor  
**(51)** Int. Cl.  
**G01N 27/30** ( 2006.01 )  
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**G01N 27/416** ( 2006.01 )  
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**(54)** Search and ranking of records across different databases  
**(51)** Int. Cl.  
**G06F 16/2457** ( 2019.01 )  
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**(51)** Int. Cl.  
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**(72)** WEIDNER, Jeffrey; HUMPHREYS, Nicholas; HOPKINS, Timothy M.  
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**(11)** AU-A-2020218378  
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**(54)** Apparatus and method for preserving the aroma of a fermentable beverage  
**(51)** Int. Cl.  
**C12F 3/04** ( 2006.01 )  
**C12C 11/00** ( 2006.01 )  
**C12F 3/06** ( 2006.01 )  
**C12G 1/00** ( 2019.01 )  
**C12G 3/08** ( 2006.01 )  
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**(54)** RNAi agents for Hepatitis B virus infection  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
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 (51) Int. Cl.  
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 (51) Int. Cl.  
*B01D 69/02* ( 2006.01 )  
*B01D 69/08* ( 2006.01 )  
*B01D 69/10* ( 2006.01 )  
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*D01F 6/76* ( 2006.01 )  
*D06M 15/263* ( 2006.01 )  
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 (21) 2020252122 (22) 27.03.2020  
 (54) Automatic door operator  
 (51) Int. Cl.  
*E05F 3/10* ( 2006.01 )  
*E05F 15/622* ( 2015.01 )  
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 (21) 2020253049 (22) 27.03.2020  
 (54) Automatic door operator and method for driving the same  
 (51) Int. Cl.  
*H02P 1/02* ( 2006.01 )  
*E05F 15/00* ( 2015.01 )  
*H02M 3/00* ( 2006.01 )  
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 (51) Int. Cl.  
*A61P 29/00* ( 2006.01 )  
*A61K 31/69* ( 2006.01 )  
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*C07F 5/02* ( 2006.01 )  
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 (51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*G01N 33/53* ( 2006.01 )  
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 (74) Phillips Ormonde Fitzpatrick
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 (51) Int. Cl.  
*G01S 17/10* ( 2020.01 )  
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*H01S 3/067* ( 2006.01 )  
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*A61P 27/02* ( 2006.01 )  
*C08J 3/075* ( 2006.01 )  
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 (21) 2020231347 (22) 28.02.2020  
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 (51) Int. Cl.  
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*A23F 5/44* ( 2006.01 )  
*A23L 2/38* ( 2006.01 )  
*A23L 27/20* ( 2016.01 )  
*A23L 27/28* ( 2016.01 )  
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 (54) System and method for stock picking using RFID tags  
 (51) Int. Cl.  
*G06K 7/10* ( 2006.01 )  
*G06Q 10/08* ( 2012.01 )  
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 (43) 17.09.2020  
 (72) ROTH, Mark  
 (74) AJ Pietras IP Limited
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 (21) 2020241392 (22) 18.03.2020  
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 (51) Int. Cl.  
*A01N 63/22* ( 2020.01 )  
*C07K 14/32* ( 2006.01 )  
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*G01N 1/00* ( 2006.01 )  
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**(21)** 2020251893 **(22)** 25.03.2020  
**(54)** Wheel end brake pad wear sensor  
**(51)** Int. Cl.  
**F16D 66/02** ( 2006.01 )  
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**(74)** Michael Buck IP
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**(54)** Injection monitoring module  
**(51)** Int. Cl.  
**A61M 5/20** ( 2006.01 )  
**A61M 5/24** ( 2006.01 )  
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**(43)** 29.10.2020  
**(72)** MARCOZ, Alain; LIONEL, ALDON  
**(74)** Baxter Patent Attorneys Pty Ltd
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**(11)** AU-A-2020261314  
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**(54)** Injection monitoring module  
**(51)** Int. Cl.  
**A61M 5/20** ( 2006.01 )  
**A61M 5/24** ( 2006.01 )  
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**(31)** PCT/IB2019/000493 **(32)** 26.04.19 **(33)** IB  
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**(72)** MARCOZ, Alain; LIONEL, ALDON  
**(74)** Baxter Patent Attorneys Pty Ltd
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**(21)** 2020233088 **(22)** 03.03.2020  
**(54)** System and method for growing trellised plants  
**(51)** Int. Cl.  
**A01G 31/00** ( 2018.01 )  
**A01G 9/12** ( 2006.01 )  
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- (54)** Treatment involving car-engineered T cells and cytokines  
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**C07K 14/755** ( 2006.01 )  
**A61K 38/37** ( 2006.01 )  
**C12N 15/00** ( 2006.01 )  
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**(31)** 19173440.9 **(32)** 09.05.19 **(33)** EP  
**(43)** 12.11.2020  
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**(21)** 2020259908 **(22)** 17.04.2020  
**(54)** Compositions and methods for treating, ameliorating and preventing H. pylori infections  
**(51)** Int. Cl.  
**A61K 31/506** ( 2006.01 )  
**A61K 31/24** ( 2006.01 )  
**A61K 31/43** ( 2006.01 )  
**A61K 31/438** ( 2006.01 )  
**A61K 31/4439** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
**A61K 31/5383** ( 2006.01 )  
**A61K 31/7048** ( 2006.01 )  
**A61P 1/04** ( 2006.01 )  
**A61P 31/04** ( 2006.01 )  
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**(72)** BORODY, Thomas Julius  
**(74)** Spruson & Ferguson
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**(11)** AU-A-2020235324  
**(21)** 2020235324 **(22)** 09.03.2020  
**(54)** Device and method for treating tissue  
**(51)** Int. Cl.  
**A61B 17/32** ( 2006.01 )  
**B33Y 80/00** ( 2015.01 )  
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**(31)** 00282/19 **(32)** 08.03.19 **(33)** CH  
**(43)** 17.09.2020  
**(72)** MAYER, Jörg; SCHWERY, André; SOTTAS, Loïc; NEUHAUS, Dominique  
**(74)** Griffith Hack
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- (71)** Boston Scientific Scimed, Inc.  
**(11)** AU-A-2020316905  
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**(54)** Non-shedding coupling method and system for reloadable hemostasis clip  
**(51)** Int. Cl.  
**A61B 17/128** ( 2006.01 )  
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**(72)** RAUSA, Joseph; MURRAY, Collin; KING, Joseph W.  
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**(21)** 2020215858 **(22)** 30.01.2020  
**(54)** Scales, such as for use with cooking appliances  
**(51)** Int. Cl.  
**G01G 3/12** ( 2006.01 )  
**A47J 27/00** ( 2006.01 )  
**A47J 27/08** ( 2006.01 )  
**G01G 3/18** ( 2006.01 )  
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**(21)** 2020246681 **(22)** 06.02.2020  
**(54)** Residue emptying  
**(51)** Int. Cl.  
**C12C 1/15** ( 2006.01 )  
**C12C 1/027** ( 2006.01 )  
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**(31)** 19164503.5 **(32)** 22.03.19 **(33)** EP  
**(43)** 01.10.2020  
**(72)** HARRER, Robert  
**(74)** Maxwells Patent & Trade Mark Attorneys Pty Ltd
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- (71)** Burrell Mining Products, Inc.  
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**(21)** 2020272882 **(22)** 09.04.2020  
**(54)** Mine roof support, pre-installation assembly for same, and method of installation  
**(51)** Int. Cl.  
**E21D 15/30** ( 2006.01 )  
**E21D 15/48** ( 2006.01 )  
**E21D 15/502** ( 2006.01 )  
**E21D 15/55** ( 2006.01 )  
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**(74)** Alder IP Pty Ltd
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- (51) Int. Cl.  
**C07C 237/42** ( 2006.01 )  
**A01N 37/18** ( 2006.01 )  
**C07D 213/82** ( 2006.01 )
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- (74) Davies Collison Cave Pty Ltd
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 (11) AU-A-2020234681  
 (21) 2020234681 (22) 06.03.2020
- (54) Wearable peripheral nerve stimulation for the treatment of diseases utilizing rhythmic biological processes
- (51) Int. Cl.  
**A61N 1/04** ( 2006.01 )  
**A61N 1/36** ( 2006.01 )
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- (72) HAMNER, Samuel Richard; BARREAU, Ariana; COLOMBO, John Vincent; LIBERATORE, Jessica M.; ROSENBLUTH, Kathryn H.
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**E21D 23/08** ( 2006.01 )  
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- (74) Cotters Patent & Trade Mark Attorneys
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**A61K 31/404** ( 2006.01 )  
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**B01D 53/22** ( 2006.01 )  
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**(51)** Int. Cl.  
*G06Q 10/00* ( 2012.01 )  
*F24F 11/30* ( 2018.01 )  
*F24F 11/64* ( 2018.01 )  
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**(54)** Aerosol for mosquitoes control use, and mosquitoes control method  
**(51)** Int. Cl.  
*A01P 7/04* ( 2006.01 )  
*A01N 25/00* ( 2006.01 )  
*A01N 25/06* ( 2006.01 )  
*A01N 53/06* ( 2006.01 )  
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**(54)** Direct reduction system and related process  
**(51)** Int. Cl.  
*C21B 13/00* ( 2006.01 )  
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**(31)** 102019000002081 **(32)** 13.02.19 **(33)** IT  
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**(11)** AU-A-2020227818  
**(21)** 2020227818 **(22)** 27.02.2020  
**(54)** Passive heat exchanger with single microchannel coil  
**(51)** Int. Cl.  
*F28D 15/02* ( 2006.01 )  
*F24F 1/0033* ( 2019.01 )  
*F24F 1/0035* ( 2019.01 )  
*F24F 1/0059* ( 2019.01 )  
*F24F 1/028* ( 2019.01 )  
*F24F 1/029* ( 2019.01 )  
*F25B 39/02* ( 2006.01 )  
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*H05K 7/20* ( 2006.01 )  
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**(21)** 2020234534 **(22)** 12.03.2020  
**(54)** Multiple port power converter device  
**(51)** Int. Cl.  
*H02M 7/04* ( 2006.01 )  
*B60L 50/60* ( 2019.01 )  
*B60L 53/20* ( 2019.01 )  
*H02J 3/38* ( 2006.01 )  
*H02M 3/04* ( 2006.01 )  
*H02M 7/68* ( 2006.01 )  
*H02S 40/32* ( 2014.01 )  
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**(31)** 62/817,104 **(32)** 12.03.19 **(33)** US  
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**(74)** James & Wells Intellectual Property
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**(21)** 2020242087 **(22)** 17.03.2020  
**(54)** Cooling system for use in power converters  
**(51)** Int. Cl.  
*H05K 7/20* ( 2006.01 )  
*H02M 1/08* ( 2006.01 )  
*H02M 7/70* ( 2006.01 )  
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**(31)** 62/820,085 **(32)** 18.03.19 **(33)** US  
**(43)** 24.09.2020  
**(72)** IBRAHIM, Peter; VAHEDI, Hani; FORGET, Marc-André  
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**(11)** AU-A-2020242485  
**(21)** 2020242485 **(22)** 19.03.2020  
**(54)** EV charger with adaptable charging protocol  
**(51)** Int. Cl.  
*H02J 7/02* ( 2016.01 )  
*B60L 53/66* ( 2019.01 )  
*H04L 29/06* ( 2006.01 )  
**(87)** WO2020/186357  
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**(43)** 24.09.2020  
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*B60L 53/63* ( 2019.01 )  
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*F21V 19/00* ( 2006.01 )  
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*H05B 45/37* ( 2020.01 )  
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*H02J 50/40* ( 2016.01 )  
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**(72)** TAKEUCHI Yoshitaka  
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**(54)** Method for preparing tricyclic compound, and intermediate thereof  
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**C07D 471/04** ( 2006.01 )  
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**(51)** Int. Cl.  
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**(51)** Int. Cl.  
**H02G 3/12** ( 2006.01 )  
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**(74)** AJ PARK
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**(11)** AU-A-2020240931  
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**(51)** Int. Cl.  
**H05B 45/10** ( 2020.01 )  
**H05B 47/19** ( 2020.01 )  
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**(11)** AU-A-2020228247  
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**(51)** Int. Cl.  
**C12N 1/20** ( 2006.01 )  
**A23K 10/16** ( 2016.01 )  
**A23L 29/00** ( 2016.01 )  
**A23L 33/135** ( 2016.01 )  
**A61K 35/744** ( 2015.01 )  
**A61P 1/16** ( 2006.01 )  
**A61P 3/04** ( 2006.01 )  
**(87)** WO2020/175940  
**(31)** 10-2019-0024254 **(32)** 28.02.19 **(33)** KR  
**(43)** 03.09.2020  
**(72)** CHOI, Hak-Jong; LIM, Seul-Ki  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** Korea Food Research Institute  
**(11)** AU-A-2020229728  
**(21)** 2020229728 **(22)** 27.02.2020  
**(54)** Composition for preventing, alleviating, or treating obesity or fatty liver disease, comprising *weissella hellenica* WiKim0103  
**(51)** Int. Cl.  
**C12N 1/20** ( 2006.01 )  
**A23C 9/12** ( 2006.01 )  
**A23K 10/16** ( 2016.01 )  
**A23L 29/00** ( 2016.01 )  
**A23L 33/135** ( 2016.01 )  
**A61K 35/74** ( 2015.01 )  
**A61P 1/16** ( 2006.01 )  
**A61P 3/04** ( 2006.01 )  
**(87)** WO2020/175939  
**(31)** 10-2019-0024255 **(32)** 28.02.19 **(33)** KR  
**(43)** 03.09.2020  
**(72)** CHOI, Hak-Jong; LIM, Seul-Ki  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** Kubota Corporation  
**(11)** AU-A-2020231452  
**(21)** 2020231452 **(22)** 05.02.2020  
**(54)** Work vehicle  
**(51)** Int. Cl.  
**B60Q 1/24** ( 2006.01 )  
**B60Q 1/26** ( 2006.01 )  
**B62D 49/00** ( 2006.01 )  
**G01S 15/93** ( 2020.01 )  
**(87)** WO2020/179331  
**(31)** 2019-040826 **(32)** 06.03.19 **(33)** JP  
**(43)** 10.09.2020  
**(72)** NISHIKUBO, Takuya; MIYAKE, Hiroshi  
**(74)** Griffith Hack
- 
- (71)** Kuhne Anlagenbau GmbH  
**(11)** AU-A-2020267808  
**(21)** 2020267808 **(22)** 30.04.2020
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- (54)** Method for producing a multi-layer composite film, multi-layer composite film and use thereof  
**(51)** Int. Cl.  
**B32B 27/08** ( 2006.01 )  
**B29C 48/00** ( 2019.01 )  
**B29C 48/21** ( 2019.01 )  
**B29C 55/12** ( 2006.01 )  
**B32B 1/08** ( 2006.01 )  
**B32B 7/027** ( 2019.01 )  
**B32B 7/12** ( 2006.01 )  
**B32B 27/30** ( 2006.01 )  
**B32B 27/32** ( 2006.01 )  
**B32B 27/34** ( 2006.01 )  
**B32B 27/36** ( 2006.01 )  
**B65D 37/00** ( 2006.01 )  
**B65D 65/40** ( 2006.01 )  
**C08L 27/08** ( 2006.01 )  
**(87)** WO2020/225136  
**(31)** 10 2019 111 458.6 **(32)** 03.05.19 **(33)** DE  
**(43)** 12.11.2020  
**(72)** SCHIFFMANN, Jürgen Michael  
**(74)** Griffith Hack
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- (71)** La-Z-Boy Incorporated  
**(11)** AU-A-2020253371  
**(21)** 2020253371 **(22)** 31.03.2020  
**(54)** Furniture member having circuit board assembly  
**(51)** Int. Cl.  
**A47C 7/62** ( 2006.01 )  
**A47C 1/024** ( 2006.01 )  
**A47C 1/032** ( 2006.01 )  
**A47C 3/025** ( 2006.01 )  
**(87)** WO2020/205878  
**(31)** 16/371,856 **(32)** 01.04.19 **(33)** US  
**(43)** 08.10.2020  
**(72)** MCPHERSON, Jaime A.; RAINS, Jason D.; BAKER, Jason M.  
**(74)** WRAYS PTY LTD
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- (71)** LG Electronics Inc.  
**(11)** AU-A-2020215406  
**(21)** 2020215406 **(22)** 29.01.2020  
**(54)** Clothing processing device and online system comprising same  
**(51)** Int. Cl.  
**D06F 34/30** ( 2020.01 )  
**D06F 34/05** ( 2020.01 )  
**D06F 34/14** ( 2020.01 )  
**D06F 34/34** ( 2020.01 )  
**G06N 3/08** ( 2006.01 )  
**(87)** WO2020/159219  
**(31)** 10-2019-0013851 **(32)** 01.02.19 **(33)** KR  
**(43)** 06.08.2020  
**(72)** SEO, Minsoo; LEE, Hyeonsik; JANG, Taegy  
**(74)** Dentons Patent Attorneys Australasia Limited
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- (71)** LG Electronics Inc.  
**(11)** AU-A-2020216025  
**(21)** 2020216025 **(22)** 30.01.2020  
**(54)** Laundry treating apparatus and control method of on-line system containing the same  
**(51)** Int. Cl.  
**D06F 34/30** ( 2020.01 )  
**D06F 34/05** ( 2020.01 )

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**D06F 37/30** ( 2020.01 )  
**D06F 58/32** ( 2020.01 )  
**(87)** WO2020/159240  
**(31)** 10-2019-0013430 **(32)** 01.02.19 **(33)** KR  
**(43)** 06.08.2020  
**(72)** BAE, Yonggyung; KWON, Baekeun  
**(74)** Dentons Patent Attorneys Australasia Limited
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- (71)** LG Electronics Inc.  
**(11)** AU-A-2020217289  
**(21)** 2020217289 **(22)** 30.01.2020  
**(54)** Laundry treating apparatus and control method of on-line system containing the same  
**(51)** Int. Cl.  
**D06F 34/30** ( 2020.01 )  
**D06F 34/05** ( 2020.01 )  
**D06F 34/06** ( 2020.01 )  
**G06Q 10/00** ( 2012.01 )  
**(87)** WO2020/159248  
**(31)** 10-2019-0013431 **(32)** 01.02.19 **(33)** KR  
**(43)** 06.08.2020  
**(72)** KWON, Baekeun; BAE, Yonggyung  
**(74)** Dentons Patent Attorneys Australasia Limited
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- (71)** LG Energy Solution, Ltd.  
**(11)** AU-A-2020240964  
**(21)** 2020240964 **(22)** 16.03.2020  
**(54)** Battery bank control device and method  
**(51)** Int. Cl.  
**H01M 10/42** ( 2006.01 )  
**G01R 31/388** ( 2019.01 )  
**H01M 10/48** ( 2006.01 )  
**H01M 50/20** ( 2021.01 )  
**(87)** WO2020/189998  
**(31)** 10-2019-0032430 **(32)** 21.03.19 **(33)** KR  
**(43)** 24.09.2020  
**(72)** YOON, Sung Yul; CHOI, Yoon Joon; CHOI, Hae In; IM, Jae Sung; LEE, Hyo Seok  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** LivePerson, Inc.  
**(11)** AU-A-2020241751  
**(21)** 2020241751 **(22)** 18.03.2020  
**(54)** Dynamic communications routing to disparate endpoints  
**(51)** Int. Cl.  
**H04L 12/725** ( 2013.01 )  
**G06F 40/205** ( 2020.01 )  
**G06N 20/00** ( 2019.01 )  
**H04L 12/58** ( 2006.01 )  
**H04L 12/911** ( 2013.01 )  
**H04L 12/927** ( 2013.01 )  
**(87)** WO2020/191093  
**(31)** 62/820,500 **(32)** 19.03.19 **(33)** US  
**(43)** 24.09.2020  
**(72)** BRADLEY, Joe; GILCHREST, Alan; DEB, Bodhi  
**(74)** Spruson & Ferguson
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- (71)** Ludwig Institute for Cancer Research Ltd.; University of Lausanne; Centre Hospitalier Universitaire Vaudois; SIB Swiss Institute of Bioinformatics  
**(11)** AU-A-2020243431  
**(21)** 2020243431 **(22)** 17.03.2020  
**(54)** A2/NY-ESO-1 specific T cell receptors and uses thereof  
**(51)** Int. Cl.  
**C07K 14/725** ( 2006.01 )  
**G01N 33/50** ( 2006.01 )  
**(87)** WO2020/188348  
**(31)** 62/819,988 **(32)** 18.03.19 **(33)** US  
**(43)** 24.09.2020  
**(72)** COUKOS, George; IRVING, Melita; ZO-ETE, Vincent; MICHELIN, Olivier  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** M.E.P. Macchine Elettroniche Piegatrici S.p.A.  
**(11)** AU-A-2020237032  
**(21)** 2020237032 **(22)** 11.03.2020  
**(54)** Apparatus and method for grouping oblong, preferably metallic products  
**(51)** Int. Cl.  
**B65G 47/88** ( 2006.01 )  
**B65G 57/18** ( 2006.01 )  
**(87)** WO2020/183509  
**(31)** 102019000003761 **(32)** 14.03.19 **(33)** IT  
**(43)** 17.09.2020  
**(72)** DEL FABRO, Giorgio  
**(74)** Spruson & Ferguson
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- (71)** Mack Rides GmbH & Co. KG  
**(11)** AU-A-2020222178  
**(21)** 2020222178 **(22)** 17.01.2020  
**(54)** Amusement ride and method for operating an amusement ride  
**(51)** Int. Cl.  
**A63G 7/00** ( 2006.01 )  
**A63G 1/00** ( 2006.01 )  
**A63G 3/00** ( 2006.01 )  
**(87)** WO2020/164854  
**(31)** 10 2019 103 301.2 **(32)** 11.02.19 **(33)** DE  
 201910109888.5 11.02.19 CN  
**(43)** 20.08.2020  
**(72)** FRIEDBERGER, Andreas; FLEIG, Rudolf; ENDERLE, Jan-Philip  
**(74)** Franke Hyland Pty Ltd
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- (71)** Madera Therapeutics, LLC  
**(11)** AU-A-2020228047  
**(21)** 2020228047 **(22)** 26.02.2020  
**(54)** Use of caseinolytic protease P function as a biomarker of drug response to imipridone-like agents  
**(51)** Int. Cl.  
**A61K 31/4375** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )  
**(87)** WO2020/176654  
**(31)** 62/811,432 **(32)** 27.02.19 **(33)** US  
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 62/840,254 29.04.19 US  
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- (43)** 03.09.2020  
**(72)** IWANOWICZ, Edwin  
**(74)** Blue Penguin IP Ltd
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- (71)** MAKO Surgical Corp.  
**(11)** AU-A-2020235100  
**(21)** 2020235100 **(22)** 12.03.2020  
**(54)** Systems and methods for robotic soft tissue evaluation  
**(51)** Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A61B 5/11** ( 2006.01 )  
**(87)** WO2020/186054  
**(31)** 62/817,355 **(32)** 12.03.19 **(33)** US  
**(43)** 17.09.2020  
**(72)** MOCTEZUMA DE LA BARRERA, Jose Luis; KANG, Hyosig; HARROW, Matt  
**(74)** FB Rice Pty Ltd
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- (71)** Mayo Foundation for Medical Education and Research  
**(11)** AU-A-2020266125  
**(21)** 2020266125 **(22)** 28.04.2020  
**(54)** Multivalent PD-L1 binding compounds for treating cancer  
**(51)** Int. Cl.  
**C07K 14/705** ( 2006.01 )  
**C07K 14/005** ( 2006.01 )  
**(87)** WO2020/223217  
**(31)** 62/839,916 **(32)** 29.04.19 **(33)** US  
**(43)** 05.11.2020  
**(72)** BARRY, Michael A.  
**(74)** Phillips Ormonde Fitzpatrick
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- (71)** Merakris Therapeutics LLC  
**(11)** AU-A-2020228303  
**(21)** 2020228303 **(22)** 27.02.2020  
**(54)** Amniotic fluid-derived extracellular vesicles and uses thereof for wound healing  
**(51)** Int. Cl.  
**A61K 35/50** ( 2015.01 )  
**A61K 45/06** ( 2006.01 )  
**C12Q 1/37** ( 2006.01 )  
**(87)** WO2020/176801  
**(31)** 62/812,011 **(32)** 28.02.19 **(33)** US  
**(43)** 03.09.2020  
**(72)** FAGG, William Samuel IV; BRODERICK, Thomas Christopher  
**(74)** Spruson & Ferguson
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- (71)** Merck Patent GmbH  
**(11)** AU-A-2020220333  
**(21)** 2020220333 **(22)** 10.02.2020  
**(54)** Indazolyl-isoxazole derivatives for the treatment of diseases such as cancer  
**(51)** Int. Cl.  
**C07D 231/56** ( 2006.01 )  
**A61K 31/416** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07C 49/86** ( 2006.01 )  
**C07C 309/30** ( 2006.01 )  
**C07D 413/04** ( 2006.01 )  
**C07D 413/14** ( 2006.01 )  
**C07D 417/14** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )  
**C07D 471/10** ( 2006.01 )

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**C07D 491/048** ( 2006.01 )  
**C07D 491/08** ( 2006.01 )  
**C07D 491/107** ( 2006.01 )  
**(87)** WO2020/165062  
**(31)** 19156318.8 **(32)** 11.02.19 **(33)** EP  
**(43)** 20.08.2020  
**(72)** DORSCH, Dieter; BLUM, Andreas  
**(74)** Griffith Hack
- 
- (71)** Merus N.V.  
**(11)** AU-A-2020254215  
**(21)** 2020254215 **(22)** 27.03.2020  
**(54)** CD3 binding molecules  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**(87)** WO2020/204708  
**(31)** 19166345.9 **(32)** 29.03.19 **(33)** EP  
 19200931.4 01.10.19 EP  
**(43)** 08.10.2020  
**(72)** VAN LOO, Pieter Fokko  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** Metalogenia Research & Technologies, S.L.  
**(11)** AU-A-2020231829  
**(21)** 2020231829 **(22)** 02.03.2020  
**(54)** System for attaching wear elements to earthmoving machines  
**(51)** Int. Cl.  
**E02F 9/28** ( 2006.01 )  
**(87)** WO2020/178466  
**(31)** PCT/ **(32)** 01.03.19 **(33)** ES  
 ES2019/070125  
**(43)** 10.09.2020  
**(72)** AMAT HOLGADO, Carlos; JIMENEZ GARCIA, Javier  
**(74)** Phillips Ormonde Fitzpatrick
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- (71)** Metso Outotec Finland Oy  
**(11)** AU-A-2020231134  
**(21)** 2020231134 **(22)** 26.02.2020  
**(54)** Horizontal plate pressure filter  
**(51)** Int. Cl.  
**B01D 25/12** ( 2006.01 )  
**B01D 25/172** ( 2006.01 )  
**B01D 25/19** ( 2006.01 )  
**(87)** WO2020/178477  
**(31)** PCT/ **(32)** 06.03.19 **(33)** CN  
 CN2019/077206  
**(43)** 10.09.2020  
**(72)** FOSTER, Geoffrey; YAN, Huan; LI, Zhi-hong  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
- 
- (71)** Metso Outotec Finland Oy  
**(11)** AU-A-2020231476  
**(21)** 2020231476 **(22)** 26.02.2020  
**(54)** Horizontal plate pressure filter  
**(51)** Int. Cl.  
**B01D 25/12** ( 2006.01 )  
**B01D 25/172** ( 2006.01 )  
**B01D 25/19** ( 2006.01 )  
**(87)** WO2020/178476  
**(31)** PCT/ **(32)** 06.03.19 **(33)** CN  
 CN2019/077208
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- (43)** 10.09.2020  
**(72)** FOSTER, Geoffrey; YAN, Huan; LI, Zhi-hong  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
- 
- (71)** Mitsubishi Electric Corporation  
**(11)** AU-A-2019444527  
**(21)** 2019444527 **(22)** 07.05.2019  
**(54)** Heat pump device, heat pump system, air conditioner, and refrigerator  
**(51)** Int. Cl.  
**F25B 1/00** ( 2006.01 )  
**F04B 49/06** ( 2006.01 )  
**F04C 28/28** ( 2006.01 )  
**F25B 49/02** ( 2006.01 )  
**H02P 27/08** ( 2006.01 )  
**(87)** WO2020/225860  
**(43)** 12.11.2020  
**(72)** YAMAKAWA, Takashi; UEMURA, Keisuke  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** Mitsubishi Tanabe Pharma Corporation; Medicago Inc.; National University Corporation Nara Institute of Science and Technology  
**(11)** AU-A-2019434270  
**(21)** 2019434270 **(22)** 14.03.2019  
**(54)** Endogenous plant expression enhancer  
**(51)** Int. Cl.  
**C12N 15/113** ( 2010.01 )  
**A01H 5/00** ( 2018.01 )  
**C07K 14/08** ( 2006.01 )  
**C07K 14/11** ( 2006.01 )  
**C12N 5/10** ( 2006.01 )  
**C12N 15/13** ( 2006.01 )  
**C12N 15/40** ( 2006.01 )  
**C12N 15/44** ( 2006.01 )  
**C12N 15/82** ( 2006.01 )  
**C12P 21/02** ( 2006.01 )  
**(87)** WO2020/181354  
**(43)** 17.09.2020  
**(72)** LAVOIE, Pierre-Olivier; D'AOUST, Marc-Andre; KATO, Ko; YAMASAKI, Shotaro  
**(74)** James & Wells Intellectual Property
- 
- (71)** Mitsui Chemicals, Inc.  
**(11)** AU-A-2020231725  
**(21)** 2020231725 **(22)** 04.03.2020  
**(54)** Method for determining whether organism having cell wall exists and method for identifying organism having cell wall  
**(51)** Int. Cl.  
**C12N 15/11** ( 2006.01 )  
**C12Q 1/04** ( 2006.01 )  
**C12Q 1/68** ( 2018.01 )  
**C12Q 1/6888** ( 2018.01 )  
**G01N 33/50** ( 2006.01 )  
**(87)** WO2020/179823  
**(31)** 2019-038910 **(32)** 04.03.19 **(33)** JP  
**(43)** 10.09.2020  
**(72)** FUJII, Ryota  
**(74)** Phillips Ormonde Fitzpatrick
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- (71)** ModernaTX, Inc.  
**(11)** AU-A-2020239037  
**(21)** 2020239037 **(22)** 11.03.2020  
**(54)** Fed-batch in vitro transcription process  
**(51)** Int. Cl.  
**C12N 15/10** ( 2006.01 )  
**C12P 19/34** ( 2006.01 )  
**(87)** WO2020/185811  
**(31)** 62/816,734 **(32)** 11.03.19 **(33)** US  
**(43)** 17.09.2020  
**(72)** ELICH, Joseph; RABIDEAU, Amy E.; SHAMASHKIN, Michael; PHILPOT, Rosalie; FRITZ, Brian; WOJCIECHOWSKI, Peter  
**(74)** RnB IP Pty Ltd
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- (71)** Moleaer, Inc.  
**(11)** AU-A-2020235650  
**(21)** 2020235650 **(22)** 13.03.2020  
**(54)** A submersible nano-bubble generating device and method  
**(51)** Int. Cl.  
**B01F 3/04** ( 2006.01 )  
**B01F 5/00** ( 2006.01 )  
**B01F 7/00** ( 2006.01 )  
**B01F 7/16** ( 2006.01 )  
**B01F 7/28** ( 2006.01 )  
**(87)** WO2020/186186  
**(31)** 62/818,573 **(32)** 14.03.19 **(33)** US  
**(43)** 17.09.2020  
**(72)** SCHOLTEN, Bruce; SHINDE, Prathamesh Manik  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** Monsanto Technology LLC  
**(11)** AU-A-2020248089  
**(21)** 2020248089 **(22)** 27.03.2020  
**(54)** Methods and systems for use in implementing resources in plant breeding  
**(51)** Int. Cl.  
**A01H 1/00** ( 2006.01 )  
**(87)** WO2020/198635  
**(31)** 62/825,513 **(32)** 28.03.19 **(33)** US  
**(43)** 01.10.2020  
**(72)** CHAVALI, Srinivas Phani Kumar; DASGUPTA, Sambarta; DONG, Qianni; GUTIERREZ GAITAN, Humberto Ignacio; KOVACS, Anthony Paul; MORAN, Jorge Luis; OCHEYA, Silvano As-sanga; STEWART-BROWN, Benjamin Bruce; WANG, Zi; YU, Chong  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** Motorola Solutions, Inc.  
**(11)** AU-A-2020238601  
**(21)** 2020238601 **(22)** 21.02.2020  
**(54)** System and method for subscription based deployment and management of a communication system  
**(51)** Int. Cl.  
**H04L 12/14** ( 2006.01 )  
**H04M 15/00** ( 2006.01 )  
**H04W 4/24** ( 2018.01 )  
**(87)** WO2020/185371  
**(31)** 16/351,126 **(32)** 12.03.19 **(33)** US

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 (72) GLASS, Stephen C.; KLEIN, David; MOSELLE, Blake C.; TOUVANNAS, John  
 (74) Phillips Ormonde Fitzpatrick
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- (71) Motorola Solutions, Inc.  
 (11) AU-A-2020241129  
 (21) 2020241129 (22) 10.03.2020  
 (54) Method and system for acoustic feedback cancellation using a known full band sequence  
 (51) Int. Cl.  
*H04R 3/02* ( 2006.01 )  
*H04M 9/08* ( 2006.01 )  
 (87) WO2020/190573  
 (31) 16/354,565 (32) 15.03.19 (33) US  
 (43) 24.09.2020  
 (72) KHANAGHA, Vahid; FIENBERG, Kurt S.  
 (74) Phillips Ormonde Fitzpatrick
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- (71) Motorola Solutions, Inc.  
 (11) AU-A-2020241738  
 (21) 2020241738 (22) 18.03.2020  
 (54) Dynamically allowing a guest device to join a private CBRS network  
 (51) Int. Cl.  
*H04W 4/021* ( 2018.01 )  
*H04W 4/90* ( 2018.01 )  
*H04W 8/18* ( 2009.01 )  
 (87) WO2020/191067  
 (31) 16/360,974 (32) 21.03.19 (33) US  
 (43) 24.09.2020  
 (72) MAKHLOUF, Isam R.; CHEN, Ethan Y.; PATIBANDLA, Badarinath; WIATROWSKI, David G.  
 (74) Phillips Ormonde Fitzpatrick
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- (71) Mpeg LA, L.L.C.  
 (11) AU-A-2020233375  
 (21) 2020233375 (22) 03.03.2020  
 (54) Multimeric oligonucleotides with enhanced bioactivity  
 (51) Int. Cl.  
*C12N 15/115* ( 2010.01 )  
*A61K 9/127* ( 2006.01 )  
*A61K 47/54* ( 2017.01 )  
*A61K 47/69* ( 2017.01 )  
*C12N 15/11* ( 2006.01 )  
*C12N 15/113* ( 2010.01 )  
 (87) WO2020/180897  
 (31) 62/813,599 (32) 04.03.19 (33) US  
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 (43) 10.09.2020  
 (72) BROWN, Jonathan Miles; NEUMAN, Kristin K. H.; VORNLOCHER, Hans-Peter; HADWIGER, Philipp  
 (74) AJ PARK
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- (71) MSR Technology ApS  
 (11) AU-A-2020223278  
 (21) 2020223278 (22) 22.01.2020  
 (54) A haulm cutting apparatus  
 (51) Int. Cl.  
*A01D 33/06* ( 2006.01 )  
*A01D 34/835* ( 2006.01 )
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- (71) Multigate Medical Products Pty Ltd  
 (11) AU-A-2020220230  
 (21) 2020220230 (22) 14.02.2020  
 (54) A pinch valve mechanism  
 (51) Int. Cl.  
*A61M 1/00* ( 2006.01 )  
*A61M 3/02* ( 2006.01 )  
*A61M 39/28* ( 2006.01 )  
 (87) WO2020/163897  
 (31) 2019100171 (32) 15.02.19 (33) AU  
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 (43) 20.08.2020  
 (72) LEEDHAM, Amy; REN, Zongyun; McCARTHY, Joshua; SPAILE, Mark; LIU, Shirley  
 (74) Chrysiliou IP
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- (71) Multigate Medical Products Pty Ltd  
 (11) AU-A-2020220809  
 (21) 2020220809 (22) 14.02.2020  
 (54) A clip  
 (51) Int. Cl.  
*A61M 1/00* ( 2006.01 )  
 (87) WO2020/163895  
 (31) 2019100169 (32) 15.02.19 (33) AU  
 (43) 20.08.2020  
 (72) LEEDHAM, Amy Jane; MACKS, Daniel  
 (74) Chrysiliou IP
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- (71) National University of Ireland, Galway  
 (11) AU-A-2020230446  
 (21) 2020230446 (22) 05.03.2020  
 (54) A scope  
 (51) Int. Cl.  
*A61B 1/227* ( 2006.01 )  
*A61B 1/04* ( 2006.01 )  
*A61B 1/06* ( 2006.01 )  
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 (43) 10.09.2020  
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 (21) 2020242196 (22) 02.03.2020  
 (54) Geomaterial web with biological degradation properties  
 (51) Int. Cl.  
*B32B 5/02* ( 2006.01 )  
*B32B 5/14* ( 2006.01 )  
*B32B 5/26* ( 2006.01 )  
*B32B 7/02* ( 2019.01 )  
*B32B 7/04* ( 2019.01 )  
*D04H 1/4258* ( 2012.01 )  
*D04H 3/013* ( 2012.01 )  
*E02D 17/00* ( 2006.01 )  
*E02D 17/20* ( 2006.01 )
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 (11) AU-A-2020241731  
 (21) 2020241731 (22) 18.03.2020  
 (54) Use of GABAA receptor modulators for treatment of pain  
 (51) Int. Cl.  
*A61K 31/551* ( 2006.01 )  
*C07D 471/04* ( 2006.01 )  
*C07D 487/04* ( 2006.01 )  
 (87) WO2020/191047  
 (31) 62/819,794 (32) 18.03.19 (33) US  
 (43) 24.09.2020  
 (72) TOCZKO, Matthew; HUBBS, Jed  
 (74) Spruson & Ferguson
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- (71) Nexans; Socomec  
 (11) AU-A-2020231845  
 (21) 2020231845 (22) 05.03.2020  
 (54) Low current self-illuminated power cable which retains flexibility, and method of manufacturing same  
 (51) Int. Cl.  
*H01B 7/36* ( 2006.01 )  
*F21S 4/26* ( 2016.01 )  
*H01F 3/06* ( 2006.01 )  
*H01B 7/04* ( 2006.01 )  
*F21W 111/00* ( 2006.01 )  
 (87) WO2020/178534  
 (31) 19 02319 (32) 07.03.19 (33) FR  
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 (72) POULIN, Nicolas; VINET, Loïc; LUMPP, Cédric; SAVE, Thierry  
 (74) Halfords IP
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- (71) Nexans; Socomec  
 (11) AU-A-2020232373  
 (21) 2020232373 (22) 05.03.2020  
 (54) Self-illuminated power cable with offset energy recovery system, and method of manufacturing same  
 (51) Int. Cl.  
*H01B 7/36* ( 2006.01 )  
*F21S 4/26* ( 2016.01 )  
*H01F 3/06* ( 2006.01 )  
*H01B 7/04* ( 2006.01 )  
*F21W 111/00* ( 2006.01 )  
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 (54) Press-fit anterior cervical plate

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- (74) Spruson & Ferguson
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 (21) 2020228633 (22) 26.02.2020  
 (54) Nozzle for blow-molding stepped finish preform
- (51) Int. Cl.  
**B29C 49/58** ( 2006.01 )  
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- (72) HANAN, Jay Clarke
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- (51) Int. Cl.  
**A24F 47/00** ( 2020.01 )
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 (21) 2020233964 (22) 09.03.2020  
 (54) Heating assembly and apparatus
- (51) Int. Cl.  
**A24F 40/465** ( 2020.01 )  
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- (72) KORUS, Anton; MOLONEY, Patrick
- (74) Shelston IP Pty Ltd.
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 (54) Aerosol provision device
- (51) Int. Cl.  
**A24F 40/60** ( 2020.01 )
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- (31) 1903250.7 (32) 11.03.19 (33) GB  
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 (54) Aerosol provision device
- (51) Int. Cl.  
**A24F 40/40** ( 2020.01 )
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- (31) 62/816,258 (32) 11.03.19 (33) US  
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 (54) Vapour provision system and corresponding method
- (51) Int. Cl.  
**A24F 40/53** ( 2020.01 )
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- (74) Shelston IP Pty Ltd.
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 (21) 2020235416 (22) 11.03.2020  
 (54) Tobacco composition comprising a tobacco component and an aerosol forming material
- (51) Int. Cl.  
**A24B 15/28** ( 2006.01 )  
**A24B 15/12** ( 2006.01 )  
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**A24F 40/20** ( 2020.01 )
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 (54) Aerosol provision device
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**A24F 47/00** ( 2020.01 )  
**H05B 6/02** ( 2006.01 )
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- (72) BLANDINO, Thomas Paul; HEPWORTH, Richard John
- (74) Shelston IP Pty Ltd.
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 (11) AU-A-2020236470  
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 (54) Aerosol provision device
- (51) Int. Cl.  
**A24F 40/20** ( 2020.01 )  
**A24F 40/46** ( 2020.01 )
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- (31) 1903251.5 (32) 11.03.19 (33) GB  
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- (72) ABI AOUN, Walid; BLANDINO, Thomas Paul; HEPWORTH, Richard John; ROACH, Adam; SAYED, Ashley John; WARREN, Luke James; WOODMAN, Thomas Alexander John
- (74) Shelston IP Pty Ltd.
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- (71) Nicoventures Trading Limited  
 (11) AU-A-2020236473  
 (21) 2020236473 (22) 09.03.2020  
 (54) Aerosol provision device
- (51) Int. Cl.  
**A24F 40/60** ( 2020.01 )
- (87) WO2020/182748
- (31) 1903245.7 (32) 11.03.19 (33) GB  
 (43) 17.09.2020
- (72) HALLIDAY, Edward Joseph; SAYED, Ashley John; WARREN, Luke James
- (74) Shelston IP Pty Ltd.
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- (71) Nicoventures Trading Limited  
 (11) AU-A-2020236474  
 (21) 2020236474 (22) 09.03.2020  
 (54) Aerosol provision device
- (51) Int. Cl.  
**A24F 40/60** ( 2020.01 )
- (87) WO2020/182756
- (31) 62/816,326 (32) 11.03.19 (33) US  
 (43) 17.09.2020
- (72) SAYED, Ashley John; THORSEN, Mitchel; WARREN, Luke James
- (74) Shelston IP Pty Ltd.
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 (11) AU-A-2020236478  
 (21) 2020236478 (22) 09.03.2020  
 (54) Aerosol-generating device
- (51) Int. Cl.  
**A24F 40/465** ( 2020.01 )  
**A24F 40/57** ( 2020.01 )
- (87) WO2020/182772
- (31) 1903305.9 (32) 11.03.19 (33) GB  
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- (43) 17.09.2020
- (72) ABI AOUN, Walid; SAYED, Ashley John; WARREN, Luke James; MOL-LISON-BALL, Lois; ZAINUDDIN, Ben; TRANI, Marina; HALLIDAY, Edward Joseph; WOODMAN, Thomas Alexander John; THORSEN, Mitchel; BLANDINO, Thomas Paul
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<p>(71) Nicoventures Trading Limited (11) AU-A-2020237372 (21) 2020237372 (22) 09.03.2020 (54) Apparatus for aerosol generating system (51) Int. Cl. A24F 40/51 ( 2020.01 ) A24F 47/00 ( 2020.01 ) H05B 6/06 ( 2006.01 ) H05B 6/10 ( 2006.01 ) (87) WO2020/182734 (31) 62/816,291 (32) 11.03.19 (33) US (43) 17.09.2020 (72) BLANDINO, Thomas Paul; HALLIDAY, Edward Joseph (74) Shelston IP Pty Ltd.</p>	<p>(71) Nicoventures Trading Limited (11) AU-A-2020251307 (21) 2020251307 (22) 18.03.2020 (54) Aerosol provision system (51) Int. Cl. A24F 40/42 ( 2020.01 ) (87) WO2020/201705 (31) 1904846.1 (32) 05.04.19 (33) GB (43) 08.10.2020 (72) MOLONEY, Patrick (74) Shelston IP Pty Ltd.</p>	<p>(71) Nocion Therapeutics, Inc. (11) AU-A-2020234961 (21) 2020234961 (22) 11.03.2020 (54) Charged ion channel blockers and methods for use (51) Int. Cl. C07D 207/06 ( 2006.01 ) A61K 31/40 ( 2006.01 ) A61P 25/00 ( 2006.01 ) (87) WO2020/185830 (31) 62/816,434 (32) 11.03.19 (33) US 62/931,590 06.11.19 US (43) 17.09.2020 (72) COLE, Bridget M.; ELLIS, James Lamond (74) RnB IP</p>
<p>(71) Nicoventures Trading Limited (11) AU-A-2020237377 (21) 2020237377 (22) 09.03.2020 (54) Aerosol provision device (51) Int. Cl. A24F 40/20 ( 2020.01 ) A24F 40/60 ( 2020.01 ) (87) WO2020/182758 (31) 1903247.3 (32) 11.03.19 (33) GB (43) 17.09.2020 (72) HALLIDAY, Edward Joseph; SAYED, Ashley John; WARREN, Luke James (74) Shelston IP Pty Ltd.</p>	<p>(71) Nicoventures Trading Limited (11) AU-A-2020251738 (21) 2020251738 (22) 18.03.2020 (54) Aerosol provision system and a method of providing an aerosol. (51) Int. Cl. A61M 11/04 ( 2006.01 ) A24F 40/46 ( 2020.01 ) (87) WO2020/201701 (31) 1904843.8 (32) 05.04.19 (33) GB (43) 08.10.2020 (72) MOLONEY, Patrick (74) Shelston IP Pty Ltd.</p>	<p>(71) Nocion Therapeutics, Inc. (11) AU-A-2020235888 (21) 2020235888 (22) 11.03.2020 (54) Charged ION channel blockers and methods for use (51) Int. Cl. A61K 31/40 ( 2006.01 ) A61K 31/452 ( 2006.01 ) A61P 29/00 ( 2006.01 ) (87) WO2020/185928 (31) 62/931,590 (32) 06.11.19 (33) US 62/816,434 11.03.19 US (43) 17.09.2020 (72) COLE, Bridget McCarthy; ELLIS, James Lamond (74) RnB IP</p>
<p>(71) Nicoventures Trading Limited (11) AU-A-2020250957 (21) 2020250957 (22) 18.03.2020 (54) Aerosol generating system (51) Int. Cl. A24F 40/485 ( 2020.01 ) A24F 40/30 ( 2020.01 ) A24F 40/42 ( 2020.01 ) (87) WO2020/201702 (31) 1904845.3 (32) 05.04.19 (33) GB (43) 08.10.2020 (72) MOLONEY, Patrick (74) Shelston IP Pty Ltd.</p>	<p>(71) Nicoventures Trading Limited (11) AU-A-2020272554 (21) 2020272554 (22) 09.04.2020 (54) Vapour provision system and corresponding method (51) Int. Cl. A24F 40/53 ( 2020.01 ) A24F 40/57 ( 2020.01 ) (87) WO2020/208367 (31) 1905250.5 (32) 12.04.19 (33) GB (43) 15.10.2020 (72) SUTTON, Joseph (74) Shelston IP Pty Ltd.</p>	<p>(71) Nocion Therapeutics, Inc. (11) AU-A-2020237474 (21) 2020237474 (22) 11.03.2020 (54) Charged ion channel blockers and methods for use (51) Int. Cl. A61K 31/519 ( 2006.01 ) A61K 31/5377 ( 2006.01 ) A61K 31/5386 ( 2006.01 ) (87) WO2020/185881 (31) 62/816,441 (32) 11.03.19 (33) US 62/931,599 06.11.19 US (43) 17.09.2020 (72) COLE, Bridget McCarthy; ELLIS, James Lamond (74) RnB IP</p>
<p>(71) Nicoventures Trading Limited (11) AU-A-2020250958 (21) 2020250958 (22) 18.03.2020 (54) Aerosol provision system (51) Int. Cl. A24F 40/40 ( 2020.01 ) A24F 40/00 ( 2020.01 )</p>	<p>(71) Nitto Kohki Co., Ltd. (11) AU-A-2020249745 (21) 2020249745 (22) 12.03.2020 (54) Battery-type electric power tool (51) Int. Cl. B25F 5/02 ( 2006.01 ) B23B 45/00 ( 2006.01 ) B23B 47/00 ( 2006.01 ) B25F 5/00 ( 2006.01 ) (87) WO2020/195868 (31) 2019-057044 (32) 25.03.19 (33) JP</p>	<p>(71) Nocion Therapeutics, Inc. (11) AU-A-2020239060 (21) 2020239060 (22) 11.03.2020 (54) Ester substituted ion channel blockers and methods for use (51) Int. Cl. A61K 31/4425 ( 2006.01 ) A61P 29/00 ( 2006.01 ) C07D 213/02 ( 2006.01 ) (87) WO2020/185915</p>

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- (72) COLE, Bridget McCarthy; ELLIS, James Lamond
- (74) RnB IP
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(54) Degradation signaling  
(51) Int. Cl.  
H04W 72/08 ( 2009.01 )  
H04L 5/00 ( 2006.01 )  
H04W 8/24 ( 2009.01 )  
H04W 36/20 ( 2009.01 )  
H04W 72/04 ( 2009.01 )  
H04L 5/14 ( 2006.01 )
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(54) Method and system for mining  
(51) Int. Cl.  
E21C 27/22 ( 2006.01 )  
E21B 7/04 ( 2006.01 )  
E21B 7/28 ( 2006.01 )  
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(54) Pharmaceutical composition  
(51) Int. Cl.  
A61K 9/16 ( 2006.01 )  
A61K 9/20 ( 2006.01 )  
A61K 9/48 ( 2006.01 )  
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(74) Davies Collison Cave Pty Ltd
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(51) Int. Cl.  
B01D 46/44 ( 2006.01 )  
B01L 3/00 ( 2006.01 )
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(51) Int. Cl.  
G01N 29/06 ( 2006.01 )  
A61B 8/00 ( 2006.01 )  
G01N 29/24 ( 2006.01 )  
G01N 29/26 ( 2006.01 )
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(31) 2022682 (32) 06.03.19 (33) NL  
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(74) Griffith Hack
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(54) User equipment  
(51) Int. Cl.  
H04W 48/16 ( 2009.01 )  
H04W 48/10 ( 2009.01 )
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(54) User device and communication method  
(51) Int. Cl.  
H04W 88/02 ( 2009.01 )  
H04W 16/28 ( 2009.01 )  
H04W 24/10 ( 2009.01 )  
H04W 72/04 ( 2009.01 )
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- (51) Int. Cl.  
F02C 3/05 ( 2006.01 )  
F01D 1/14 ( 2006.01 )  
F01D 5/06 ( 2006.01 )  
F02C 3/09 ( 2006.01 )  
F02C 6/12 ( 2006.01 )  
F04D 25/02 ( 2006.01 )  
F04D 25/04 ( 2006.01 )
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(74) Patent Attorney Services
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(54) Pressure measurement devices, methods, and systems  
(51) Int. Cl.  
A61B 5/02 ( 2006.01 )  
A61B 5/021 ( 2006.01 )  
G01L 7/08 ( 2006.01 )  
G01L 9/00 ( 2006.01 )
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(31) 62/818,962 (32) 15.03.19 (33) US  
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(74) Phillips Ormonde Fitzpatrick
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(54) Load-handling device  
(51) Int. Cl.  
B65G 1/04 ( 2006.01 )  
B65G 1/137 ( 2006.01 )
- (87) WO2020/193406  
(31) 1903982.5 (32) 22.03.19 (33) GB  
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(72) POPA, Daniel; MAYADEEN, Del; HARMAN, Matthew; SHARP, Nick; PILLAI, Vipin  
(74) Griffith Hack
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(21) 2020271068 (22) 08.04.2020  
(54) Alkene generation using metal sulfide particles  
(51) Int. Cl.  
C07D 307/60 ( 2006.01 )  
C10M 135/04 ( 2006.01 )  
C10M 135/06 ( 2006.01 )
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 A61P 25/28 ( 2006.01 )  
 C07K 16/18 ( 2006.01 )  
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 (51) Int. Cl.  
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 A61P 25/28 ( 2006.01 )  
 C12N 9/00 ( 2006.01 )  
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 G06Q 10/06 ( 2012.01 )  
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 F23C 5/32 ( 2006.01 )  
 F23G 5/32 ( 2006.01 )  
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 CARENHAS, Audrey  
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 Sloan Kettering Cancer Center; Wake  
 Forest University Health Sciences  
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 benzylthio-octanoic acid  
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 A61K 31/4184 ( 2006.01 )  
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 (54) Dunnage conversion machine, method,  
 and product with a polygonal cross-sec-  
 tion  
 (51) Int. Cl.  
 B31D 5/00 ( 2017.01 )  
 B31F 1/00 ( 2006.01 )  
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 detecting damages in vehicles  
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 G06K 9/62 ( 2006.01 )  
 G06K 9/00 ( 2006.01 )  
 G06Q 10/00 ( 2012.01 )  
 G06Q 10/08 ( 2012.01 )  
 G06Q 30/06 ( 2012.01 )  
 G06T 7/00 ( 2017.01 )  
 G06T 7/11 ( 2017.01 )  
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**A61L 31/12** ( 2006.01 )  
**C22C 16/00** ( 2006.01 )  
**C23C 8/42** ( 2006.01 )  
**C23C 8/80** ( 2006.01 )  
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**A61L 27/04** ( 2006.01 )  
**A61L 27/30** ( 2006.01 )  
**C23C 8/02** ( 2006.01 )  
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**C07D 401/04** ( 2006.01 )  
**A01N 43/60** ( 2006.01 )  
**C07D 401/14** ( 2006.01 )  
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**A61M 15/06** ( 2006.01 )  
**A24F 47/00** ( 2020.01 )  
**A61M 15/00** ( 2006.01 )  
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**G06K 9/00** ( 2006.01 )  
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 A61P 7/04 ( 2006.01 )  
 C07K 14/745 ( 2006.01 )  
 C07K 14/755 ( 2006.01 )  
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 A47G 21/02 ( 2006.01 )  
 A47F 1/00 ( 2006.01 )  
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 (21) 2020217732 (22) 05.02.2020  
 (54) Systems and methods for preservative removal from ophthalmic formulations comprising complexing agents  
 (51) Int. Cl.  
 A61L 27/52 ( 2006.01 )  
 A61K 31/724 ( 2006.01 )  
 A61K 47/18 ( 2017.01 )  
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 (31) 62/802,132 (32) 06.02.19 (33) US  
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 (43) 13.08.2020  
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 (21) 2020219015 (22) 29.01.2020  
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 (51) Int. Cl.  
 H04W 36/36 ( 2009.01 )  
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 (31) 62/801,246 (32) 05.02.19 (33) US  
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 (11) AU-A-2020237237  
 (21) 2020237237 (22) 12.03.2020  
 (54) Method and apparatus for color transform in VVC  
 (51) Int. Cl.  
 G06K 9/46 ( 2006.01 )  
 H04N 19/124 ( 2014.01 )  
 H04N 19/18 ( 2014.01 )  
 H04N 19/44 ( 2014.01 )  
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 (11) AU-A-2020238668  
 (21) 2020238668 (22) 04.03.2020  
 (54) Method and apparatus for video coding  
 (51) Int. Cl.  
 H04N 19/96 ( 2014.01 )  
 H04N 19/44 ( 2014.01 )  
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 (21) 2020241507 (22) 12.03.2020  
 (54) Decoded picture buffer management for video coding  
 (51) Int. Cl.  
 H04N 19/187 ( 2014.01 )  
 H04N 19/31 ( 2014.01 )  
 H04N 19/46 ( 2014.01 )  
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 (21) 2020301123 (22) 18.06.2020  
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 (51) Int. Cl.  
 H04N 19/59 ( 2014.01 )  
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 (21) 2020231050 (22) 05.03.2020  
 (54) Virtual agent team  
 (51) Int. Cl.  
 G06Q 30/02 ( 2012.01 )  
 G06F 9/451 ( 2018.01 )  
 G06F 16/435 ( 2019.01 )  
 G06F 16/9535 ( 2019.01 )  
 G16H 20/30 ( 2018.01 )  
 G16H 20/60 ( 2018.01 )  
 G16H 20/70 ( 2018.01 )  
 G16H 40/63 ( 2018.01 )  
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 (74) Maxwells Patent & Trade Mark Attorneys Pty Ltd
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 (21) 2020217717 (22) 04.02.2020  
 (54) Compositions and methods to detect gastrointestinal disease  
 (51) Int. Cl.  
 A23C 9/12 ( 2006.01 )  
 A61K 9/00 ( 2006.01 )  
 C12Q 1/42 ( 2006.01 )  
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 (21) 2020245632 (22) 27.03.2020  
 (54) Method of treating or preventing hernia formation  
 (51) Int. Cl.  
 A61F 2/02 ( 2006.01 )  
 A61K 35/12 ( 2015.01 )  
 A61K 35/50 ( 2015.01 )  
 A61L 27/54 ( 2006.01 )  
 A61L 27/56 ( 2006.01 )  
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 (31) 62/825,547 (32) 28.03.19 (33) US  
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 (21) 2020219858 (22) 10.02.2020  
 (54) Image-guided surgery system  
 (51) Int. Cl.  
 A61F 9/007 ( 2006.01 )  
 A61B 1/00 ( 2006.01 )  
 A61B 34/10 ( 2016.01 )  
 A61B 34/20 ( 2016.01 )  
 A61B 90/00 ( 2016.01 )



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**G06T 19/00** ( 2011.01 )  
**A61B 17/00** ( 2006.01 )  
**A61B 34/00** ( 2016.01 )  
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**(74)** FB Rice Pty Ltd
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**(11)** AU-A-2020240109  
**(21)** 2020240109      **(22)** 19.03.2020  
**(54)** Methods and compositions for editing nucleotide sequences  
**(51)** Int. Cl.  
**C12N 15/11** ( 2006.01 )  
**C12N 9/12** ( 2006.01 )  
**C12N 9/22** ( 2006.01 )  
**C12N 15/10** ( 2006.01 )  
**(87)** WO2020/191234  
**(31)** 62/913,553      **(32)** 10.10.19 **(33)** US  
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 62/974,537      05.12.19      US  
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 62/922,654      21.08.19      US  
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**(74)** Pizzey's Patent and Trade Mark Attorneys Pty Ltd
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**(11)** AU-A-2020226907  
**(21)** 2020226907      **(22)** 21.02.2020  
**(54)** Digital modeling and tracking of agricultural fields for implementing agricultural field trials  
**(51)** Int. Cl.  
**A01B 79/00** ( 2006.01 )  
**A01B 79/02** ( 2006.01 )  
**G06Q 10/04** ( 2012.01 )  
**G06Q 10/06** ( 2012.01 )  
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**(31)** 62/808,807      **(32)** 21.02.19 **(33)** US  
**(43)** 27.08.2020  
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**(74)** Davies Collison Cave Pty Ltd
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- (71)** The Climate Corporation  
**(11)** AU-A-2020232270  
**(21)** 2020232270      **(22)** 03.03.2020
- (54)** Data storage and transfer device for an agricultural intelligence computing system  
**(51)** Int. Cl.  
**H01L 27/02** ( 2006.01 )  
**H01L 27/06** ( 2006.01 )  
**H01L 27/12** ( 2006.01 )  
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**(31)** 62/813,629      **(32)** 04.03.19 **(33)** US  
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**(72)** RODRIGUEZ, Samuel; KIM, Jongjin; DARDEN, Will; PETERSON, Aaron  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** The Fynder Group, Inc.  
**(11)** AU-A-2020227820  
**(21)** 2020227820      **(22)** 27.02.2020  
**(54)** Food materials comprising filamentous fungal particles and membrane bioreactor design  
**(51)** Int. Cl.  
**A23C 9/12** ( 2006.01 )  
**A23G 9/36** ( 2006.01 )  
**A23J 3/20** ( 2006.01 )  
**(87)** WO2020/176758  
**(31)** 62/811,421      **(32)** 27.02.19 **(33)** US  
**(43)** 03.09.2020  
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**(74)** Madderns Pty Ltd
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- (71)** The NOCO Company  
**(11)** AU-A-2020231240  
**(21)** 2020231240      **(22)** 06.03.2020  
**(54)** Electrical extension cord device  
**(51)** Int. Cl.  
**H01R 13/639** ( 2006.01 )  
**H01R 13/52** ( 2006.01 )  
**H01R 25/00** ( 2006.01 )  
**H01R 31/02** ( 2006.01 )  
**H02G 3/14** ( 2006.01 )  
**(87)** WO2020/181230  
**(31)** 62/815,041      **(32)** 07.03.19 **(33)** US  
 62/815,875      08.03.19      US  
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**(43)** 10.09.2020  
**(72)** NOOK, Jonathan Lewis; NOOK SR., William Knight; STANFIELD, James Richard; UNDERHILL, Derek Michael  
**(74)** Griffith Hack
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**(11)** AU-A-2020231409  
**(21)** 2020231409      **(22)** 06.03.2020  
**(54)** Electrical port device  
**(51)** Int. Cl.  
**H01R 13/639** ( 2006.01 )  
**H01R 13/52** ( 2006.01 )  
**H01R 25/00** ( 2006.01 )  
**H01R 31/02** ( 2006.01 )  
**H02G 3/14** ( 2006.01 )  
**(87)** WO2020/181217  
**(31)** 62/815,041      **(32)** 07.03.19 **(33)** US  
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**(72)** NOOK, Jonathan Lewis; NOOK SR., William Knight; STANFIELD, James Richard; UNDERHILL, Derek Michael  
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**(11)** AU-A-2020232836  
**(21)** 2020232836      **(22)** 06.03.2020  
**(54)** Electrical port device  
**(51)** Int. Cl.  
**H01R 13/52** ( 2006.01 )  
**H01R 13/447** ( 2006.01 )  
**H01R 13/72** ( 2006.01 )  
**H01R 24/76** ( 2011.01 )  
**(87)** WO2020/181208  
**(31)** 62/815,041      **(32)** 07.03.19 **(33)** US  
**(43)** 10.09.2020  
**(72)** NOOK, Jonathan Lewis; NOOK Sr., William Knight; STANFIELD, James Richard; UNDERHILL, Derek Michael  
**(74)** Griffith Hack
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- (71)** The Procter & Gamble Company  
**(11)** AU-A-2020257872  
**(21)** 2020257872      **(22)** 08.04.2020  
**(54)** Semisolid multi-phase oral composition comprising hydrophilic active agent particles  
**(51)** Int. Cl.  
**A61K 8/22** ( 2006.01 )  
**A61K 8/24** ( 2006.01 )  
**A61K 8/31** ( 2006.01 )  
**A61K 8/38** ( 2006.01 )  
**A61Q 11/00** ( 2006.01 )  
**A61Q 11/02** ( 2006.01 )  
**(87)** WO2020/214459  
**(31)** 19169637.6      **(32)** 16.04.19 **(33)** EP  
 19169630.1      16.04.19      EP  
 19169629.3      16.04.19      EP  
 19169621.0      16.04.19      EP  
 19169615.2      16.04.19      EP  
 19169614.5      16.04.19      EP  
 19169624.4      16.04.19      EP  
 62/834,684      16.04.19      US  
 62/834,674      16.04.19      US  
 62/834,662      16.04.19      US  
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- (43)** 22.10.2020  
**(72)** SAGEL, Paul Albert; RAJALIAH, Jayanth; CURTIS, Michael David  
**(74)** AJ PARK
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- (71)** The Procter & Gamble Company  
**(11)** AU-A-2020258843  
**(21)** 2020258843 **(22)** 08.04.2020  
**(54)** Kit comprising an electromagnetic radiation source and a semisolid multi-phase oral composition comprising hydrophilic bleaching agent particles  
**(51)** Int. Cl.  
**A61Q 11/00** ( 2006.01 )  
**A61C 19/00** ( 2006.01 )  
**A61K 8/06** ( 2006.01 )  
**A61K 8/22** ( 2006.01 )  
**(87)** WO2020/214458  
**(31)** 19169637.6 **(32)** 16.04.19 **(33)** EP  
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**(74)** AJ PARK
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- (71)** The Procter & Gamble Company  
**(11)** AU-A-2020259271  
**(21)** 2020259271 **(22)** 08.04.2020  
**(54)** Semisolid multi-phase oral composition comprising hydrophilic bleaching agent particles  
**(51)** Int. Cl.  
**A61K 8/22** ( 2006.01 )  
**A61K 8/31** ( 2006.01 )  
**A61K 8/38** ( 2006.01 )  
**A61Q 11/00** ( 2006.01 )  
**A61Q 11/02** ( 2006.01 )  
**(87)** WO2020/214457  
**(31)** 19169637.6 **(32)** 16.04.19 **(33)** EP  
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**(74)** AJ PARK
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- (71)** The Procter & Gamble Company  
**(11)** AU-A-2020260976  
**(21)** 2020260976 **(22)** 16.04.2020  
**(54)** Oral care compositions for active agent delivery  
**(51)** Int. Cl.  
**A61K 8/06** ( 2006.01 )  
**A61K 8/22** ( 2006.01 )  
**A61Q 11/00** ( 2006.01 )  
**(87)** WO2020/219320  
**(31)** 62/838,350 **(32)** 25.04.19 **(33)** US  
**(43)** 29.10.2020  
**(72)** RAJALIAH, Jayanth; SAGEL, Paul Albert; WISE, Geoffrey Marc  
**(74)** AJ PARK
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- (71)** The Procter & Gamble Company  
**(11)** AU-A-2020262858  
**(21)** 2020262858 **(22)** 16.04.2020  
**(54)** Oral care compositions for active agent delivery  
**(51)** Int. Cl.  
**A61K 8/06** ( 2006.01 )  
**A61K 8/22** ( 2006.01 )  
**A61K 8/49** ( 2006.01 )  
**A61Q 11/00** ( 2006.01 )  
**(87)** WO2020/219319  
**(31)** 62/838,347 **(32)** 25.04.19 **(33)** US  
**(43)** 29.10.2020  
**(72)** RAJALIAH, Jayanth; SAGEL, Paul Albert; WISE, Geoffrey Marc  
**(74)** AJ PARK
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- (71)** The Procter & Gamble Company  
**(11)** AU-A-2020263240  
**(21)** 2020263240 **(22)** 16.04.2020  
**(54)** Systems and methods for delivering active agents  
**(51)** Int. Cl.  
**A61Q 11/00** ( 2006.01 )  
**A61K 8/06** ( 2006.01 )  
**A61K 8/22** ( 2006.01 )  
**(87)** WO2020/219321  
**(31)** 62/838,369 **(32)** 25.04.19 **(33)** US  
**(43)** 29.10.2020  
**(72)** RAJALIAH, Jayanth; SAGEL, Paul Albert; WISE, Geoffrey Marc  
**(74)** AJ PARK
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- (71)** The Procter & Gamble Company  
**(11)** AU-A-2020263241  
**(21)** 2020263241 **(22)** 16.04.2020  
**(54)** Rinseable multi-phase compositions  
**(51)** Int. Cl.  
**A61K 8/06** ( 2006.01 )  
**A61K 8/22** ( 2006.01 )  
**A61Q 11/00** ( 2006.01 )  
**(87)** WO2020/219322  
**(31)** 62/838,373 **(32)** 25.04.19 **(33)** US  
**(43)** 29.10.2020  
**(72)** RAJALIAH, Jayanth; SAGEL, Paul Albert; WISE, Geoffrey Marc  
**(74)** AJ PARK
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- (71)** The Regents of the University of California  
**(11)** AU-A-2020236953  
**(21)** 2020236953 **(22)** 09.03.2020  
**(54)** Use of 8,9-dihydrocannabinidiol compounds  
**(51)** Int. Cl.  
**C07C 39/23** ( 2006.01 )  
**A61K 31/05** ( 2006.01 )  
**A61K 31/09** ( 2006.01 )  
**(87)** WO2020/185661  
**(31)** 62/815,735 **(32)** 08.03.19 **(33)** US  
**(43)** 17.09.2020  
**(72)** MASCAL, Mark; SHEVCHENKO, Nikolay  
**(74)** Phillips Ormonde Fitzpatrick
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- (71)** The Regents of the University of California; California Institute for Biomedical Research  
**(11)** AU-A-2020244775  
**(21)** 2020244775 **(22)** 23.03.2020  
**(54)** Switchable chimeric antigen receptor-engineered human natural killer cells  
**(51)** Int. Cl.  
**A61K 35/17** ( 2015.01 )  
**A61P 35/02** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**(87)** WO2020/198128  
**(31)** 62/822,389 **(32)** 22.03.19 **(33)** US  
**(43)** 01.10.2020  
**(72)** KAUFMAN, Dan S.; LI, Xiao-Hua; LABORDA, Eduardo; YOUNG, Travis  
**(74)** Spruson & Ferguson
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- (71)** The Regents of The University of California; Augusta University Research Institute, Inc.  
**(11)** AU-A-2020235643  
**(21)** 2020235643 **(22)** 13.03.2020  
**(54)** Methods and compositions for supporting renal health  
**(51)** Int. Cl.  
**A61K 31/19** ( 2006.01 )  
**A23L 33/10** ( 2016.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 31/047** ( 2006.01 )  
**A61K 31/194** ( 2006.01 )  
**A61K 31/225** ( 2006.01 )  
**A61K 31/455** ( 2006.01 )  
**A61K 47/54** ( 2017.01 )  
**A61P 13/12** ( 2006.01 )  
**(87)** WO2020/186154  
**(31)** 62/818,538 **(32)** 14.03.19 **(33)** US  
**(43)** 17.09.2020  
**(72)** WEIMBS, Thomas; TORRES, Jacob; THANGARAJU, Muthusamy  
**(74)** WRAYS PTY LTD
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- (71)** The Toro Company  
**(11)** AU-A-2020271875  
**(21)** 2020271875 **(22)** 09.04.2020  
**(54)** Autonomous machine navigation in low-light conditions  
**(51)** Int. Cl.  
**G05D 1/02** ( 2020.01 )  
**A01D 34/00** ( 2006.01 )  
**G01S 17/00** ( 2020.01 )

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**H04N 5/00** ( 2011.01 )  
**(87)** WO2020/210493  
**(31)** 62/831,347 **(32)** 09.04.19 **(33)** US  
**(43)** 15.10.2020  
**(72)** RAMSAY, Michael Jason; LAROSE, David Arthur; PARKER, Zachary Irvin; ALVARADO, Matthew John; LANDERS, Stephen Paul Elizondo; ROBINSON, David Ian  
**(74)** Michael Buck IP
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- (71)** The Trustees of Columbia University in the City of New York; Forkhead Bio-therapeutics Inc.  
**(11)** AU-A-2020247935  
**(21)** 2020247935 **(22)** 25.03.2020  
**(54)** Selective FOXO inhibitors for treatment of diabetes and other disorders related to impaired pancreatic function  
**(51)** Int. Cl.  
**A61K 31/4162** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )  
**(87)** WO2020/198351  
**(31)** 62/823,384 **(32)** 25.03.19 **(33)** US  
**(43)** 01.10.2020  
**(72)** XU, Xiaoming; DENG, Shi-Xian; LANDRY, Donald W.; DEVITA, Robert J.; LIN, Hua V.; LEE, Yunkyoung; ACCILLI, Domenico; BELVEDERE, Sandro  
**(74)** WRAYS PTY LTD
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- (71)** The Trustees of the University of Pennsylvania  
**(11)** AU-A-2020232692  
**(21)** 2020232692 **(22)** 03.03.2020  
**(54)** Neuroprotective gene therapy targeting the AKT pathway  
**(51)** Int. Cl.  
**A61K 48/00** ( 2006.01 )  
**C07H 21/04** ( 2006.01 )  
**C12N 15/00** ( 2006.01 )  
**(87)** WO2020/180886  
**(31)** 62/821,705 **(32)** 21.03.19 **(33)** US  
 62/813,587 04.03.19 US  
**(43)** 10.09.2020  
**(72)** BENNETT, Jean; MCDOUGALD, Devin; SUN, Junwei  
**(74)** WRAYS PTY LTD
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- (71)** The University of Melbourne; National Vision Research Institute of Australia  
**(11)** AU-A-2020220233  
**(21)** 2020220233 **(22)** 11.02.2020  
**(54)** A method of forming a diamond coating on a carbon material  
**(51)** Int. Cl.  
**C23C 16/27** ( 2006.01 )  
**B82Y 15/00** ( 2011.01 )  
**H01L 23/29** ( 2006.01 )  
**(87)** WO2020/163909  
**(31)** 2019900435 **(32)** 11.02.19 **(33)** AU  
**(43)** 20.08.2020  
**(72)** HEJAZI, Maryam Alsatat; GARRETT, David John; STACEY, Alastair Douglas; APOLLO, Nicholas Vincent; GANESAN, Kumaravelu; MATURANA, Matias Ismael; PRAYER, Steven; TONG, Wei; STAMP, Melanie Elisabeth Maria; IB-BOTSON, Michael  
**(74)** Griffith Hack
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- (71)** The University of Sydney  
**(11)** AU-A-2020234722  
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**(54)** Intragenic assessment and methods therefor  
**(51)** Int. Cl.  
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**G06N 3/00** ( 2006.01 )  
**G16B 20/00** ( 2019.01 )  
**G16B 20/20** ( 2019.01 )  
**G16B 40/00** ( 2019.01 )  
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**(72)** COOPER, Sandra  
**(74)** FPA Patent Attorneys Pty Ltd
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**A47D 13/06** ( 2006.01 )  
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**(31)** 62/814,219 **(32)** 05.03.19 **(33)** US  
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**(74)** Griffith Hack
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**(51)** Int. Cl.  
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**(21)** 2020246114 **(22)** 13.03.2020  
**(54)** Production method for cement clinker and cement clinker powder  
**(51)** Int. Cl.  
**C04B 7/02** ( 2006.01 )  
**C04B 7/47** ( 2006.01 )  
**C04B 7/52** ( 2006.01 )  
**C04B 14/06** ( 2006.01 )  
**C04B 14/28** ( 2006.01 )  
**C04B 18/08** ( 2006.01 )
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**(54)** Vehicle centric logistics management  
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**G08B 13/24** ( 2006.01 )  
**G06K 19/07** ( 2006.01 )  
**G06Q 10/08** ( 2012.01 )  
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**B62B 5/06** ( 2006.01 )  
**F16B 19/00** ( 2006.01 )  
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**B62B 3/04** ( 2006.01 )  
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 (51) Int. Cl.  
 C12N 15/113 ( 2010.01 )  
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 (74) Allens Patent & Trade Mark Attorneys
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 (51) Int. Cl.  
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 A61K 31/7076 ( 2006.01 )  
 A61K 35/12 ( 2015.01 )  
 A61K 35/17 ( 2015.01 )  
 A61K 38/20 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 C07F 9/6584 ( 2006.01 )  
 C07K 14/705 ( 2006.01 )  
 C07K 14/725 ( 2006.01 )  
 C07K 14/74 ( 2006.01 )  
 C07K 19/00 ( 2006.01 )  
 C12N 5/078 ( 2010.01 )  
 C12N 5/0783 ( 2010.01 )  
 C12N 5/10 ( 2006.01 )  
 C12N 15/113 ( 2010.01 )  
 C12N 15/12 ( 2006.01 )  
 C12N 15/55 ( 2006.01 )  
 C12N 15/867 ( 2006.01 )  
 G01N 33/566 ( 2006.01 )  
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 A61K 35/12 ( 2015.01 )  
 A61K 35/17 ( 2015.01 )  
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 (51) Int. Cl.  
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 A61K 31/7076 ( 2006.01 )  
 A61K 35/12 ( 2015.01 )  
 A61K 35/17 ( 2015.01 )  
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 C07F 9/6584 ( 2006.01 )  
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 C07K 14/74 ( 2006.01 )  
 C07K 19/00 ( 2006.01 )  
 C12N 5/0783 ( 2010.01 )  
 C12N 5/10 ( 2006.01 )  
 C12N 15/113 ( 2010.01 )  
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 C12N 15/55 ( 2006.01 )  
 C12N 15/867 ( 2006.01 )  
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 C12N 15/62 ( 2006.01 )  
 A61K 31/675 ( 2006.01 )  
 A61K 31/7076 ( 2006.01 )  
 A61K 35/12 ( 2015.01 )  
 A61K 35/17 ( 2015.01 )  
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 A61P 35/00 ( 2006.01 )  
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**C07K 19/00** ( 2006.01 )  
**C12N 5/0783** ( 2010.01 )  
**C12N 5/10** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
**C12N 15/12** ( 2006.01 )  
**C12N 15/55** ( 2006.01 )  
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**G01N 33/566** ( 2006.01 )  
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**(43)** 10.09.2020  
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**(21)** 2020235464 **(22)** 11.03.2020  
**(54)** Synthetic retinoids for use in RAR activation  
**(51)** Int. Cl.  
**A61K 31/192** ( 2006.01 )  
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**C07D 215/06** ( 2006.01 )  
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**(21)** 2020244191 **(22)** 18.03.2020  
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**(51)** Int. Cl.  
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**(74)** Davies Collison Cave Pty Ltd
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**(51)** Int. Cl.  
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**G06K 9/46** ( 2006.01 )  
**G06T 7/143** ( 2017.01 )  
**G16H 10/20** ( 2018.01 )  
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**(74)** Dentons Patent Attorneys Australasia Limited
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**(51)** Int. Cl.  
**C07K 14/705** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61P 35/00** ( 2006.01 )  
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**G01N 33/50** ( 2006.01 )  
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**(51)** Int. Cl.  
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**A61K 31/519** ( 2006.01 )  
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**B01D 33/23** ( 2006.01 )  
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**(21)** 2020234972 **(22)** 11.03.2020  
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**(51)** Int. Cl.  
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**(54)** Edible film  
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**A22C 13/00** ( 2006.01 )  
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**(51)** Int. Cl.  
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 (51) Int. Cl.  
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 F42D 1/045 (2006.01)  
 F42B 3/10 (2006.01)  
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 A61L 26/00 (2006.01)
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 H04L 25/49 (2006.01)  
 G06F 21/60 (2013.01)  
 H04B 10/85 (2013.01)  
 H04L 25/497 (2006.01)  
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- (71) XenoTherapeutics, Inc.; XenoTherapeutics Corporation  
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(21) 2019435845 (22) 18.03.2019  
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(51) Int. Cl.  
*A47J 19/02* ( 2006.01 )  
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(74) Spruson & Ferguson

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2019323828	Energy Dome S.p.A.	2020217717	The Board of Supervisors of Louisiana State University and Agricultural and Mechanical College
2019364869	Reid, F.		
2019428012	Hewlett-Packard Development Company, L.P.	2020217732	TearClear Corp.
2019428180	Hewlett-Packard Development Company, L.P.	2020217760	Tricam Industries, Inc.
2019428181	Hewlett-Packard Development Company, L.P.	2020217784	Schlage Lock Company LLC
2019428187	Attochron, LLC	2020217793	Cedars-Sinai Medical Center
2019428188	Hewlett-Packard Development Company, L.P.	2020217810	Frequency Therapeutics, Inc.
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2019428297	Hewlett-Packard Development Company, L.P.		
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2019428624	Hewlett-Packard Development Company, L.P.	2020218572	Redarc Technologies Pty Ltd
2019428636	Hewlett-Packard Development Company, L.P.	2020218615	BioNTech Cell & Gene Therapies GmbH
2019428638	Hewlett-Packard Development Company, L.P.	2020218651	AstraZeneca AB
2019428640	Hewlett-Packard Development Company, L.P.	2020218724	Wight, R.C.
2019428713	Hewlett-Packard Development Company, L.P.	2020218744	Reneo Pharmaceuticals, Inc.
2019428714	Hewlett-Packard Development Company, L.P.	2020218753	Copious Imaging LLC
2019429076	Cometflo Ltd.	2020218848	Oy Karl Fazer AB
2019429974	Hanshow Technology Co., Ltd.	2020219015	Telefonaktiebolaget LM Ericsson (publ)
2019430032	International Business Machines Corporation	2020219048	Copious Imaging LLC
2019431307	Spreadtrum Communications (Shanghai) Co., Ltd.	2020219049	Tricam Industries, Inc.
2019431475	Retractable Technologies, Inc.; Shaw, T.J.	2020219094	ESCO Group LLC
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2019432092	Suzhou Microport Orthorecon Co., Ltd.	2020219147	Commonwealth Scientific And Industrial Research Organisation
2019432095	Suzhou Microport Orthorecon Co., Ltd.		
2019432235	Questor Technology Inc.	2020219183	Commonwealth Scientific and Industrial Research Organisation
2019432427	Sillumini Semiconductor Co., Ltd.		
2019432521	Thorley Industries, LLC	2020219355	Arrowhead Pharmaceuticals, Inc.; Janssen Pharmaceuticals, Inc.
2019432653	Equinor Energy AS		
2019433065	Celloryx AG	2020219676	Auckland UniServices Limited; Kaur, M.; Domigan, L.; Sherwin, T.; Glasson, J.; Samarasekara, K.
2019433734	Shionogi & Co., Ltd.		
2019434270	Mitsubishi Tanabe Pharma Corporation; Medicago Inc.; National University Corporation Nara Institute of Science and Technology	2020219736	Xenetic Biosciences, Inc.
		2020219858	The Board of Trustees of the University of Illinois
2019435407	Sandvik SRP AB	2020220230	Multigate Medical Products Pty Ltd
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2019437515	NTT DoCoMo, Inc.		
2019438908	NTT DoCoMo, Inc.	2020220333	Merck Patent GmbH
2019438970	Citrix Systems, Inc.	2020220568	Huawei Technologies Co., Ltd.
2019438987	Hewlett-Packard Development Company, L.P.	2020220658	Dainihon Jochugiku Co., Ltd.
2019438995	Eli Lilly and Company	2020220809	Multigate Medical Products Pty Ltd
2019439273	Prex Co., Ltd	2020220889	Professional Dietetics S.p.A.
2019440103	Nicoventures Trading Limited	2020221046	University of Louisville Research Foundation, Inc.
2019440158	Hewlett-Packard Development Company, L.P.	2020221196	Nexus Spine, LLC
2019441034	Hewlett-Packard Development Company, L.P.	2020221466	PPG Industries Ohio, Inc.
2019441848	Biocorp Production S.A.	2020221467	PPG Industries Ohio, Inc.
2019444527	Mitsubishi Electric Corporation	2020221689	Guariglia, D.
2019445042	John Bean Technologies Corporation	2020221966	TiGenix, S.A.U.
2019445288	John Bean Technologies Corporation	2020222023	SGL Carbon SE
2019445552	Halliburton Energy Services, Inc.	2020222178	Mack Rides GmbH & Co. KG
2019451267	Halliburton Energy Services, Inc.	2020222262	AstraZeneca AB
2019451953	Halliburton Energy Services, Inc.	2020222608	Huawei Technologies Co., Ltd.
2019456405	JGC Corporation	2020222888	Ultima Genomics, Inc.
2020214520	Shining 3D Tech Co., Ltd.	2020223256	Huawei Technologies Co., Ltd.
2020214762	Sumitomo Chemical Company, Limited	2020223278	MSR Technology ApS
2020214954	Vivo Mobile Communication Co., Ltd.	2020223504	Danieli & C. Officine Meccaniche S.p.A.; HyL Technologies, S.A. de C.V.
2020215007	Daikin Industries, Ltd.		
2020215349	Ancestry.com Operations Inc.	2020223696	Hankuk Paper Mfg. Co., Ltd
2020215406	LG Electronics Inc.	2020223700	Hankuk Paper MFG. Co., Ltd
2020215858	Breville USA, Inc.	2020224158	Chromadex Inc.
2020216025	LG Electronics Inc.	2020224410	Hampidjan Hf.
2020216093	Trackonomy Systems, Inc.	2020224481	Amano Enzyme Inc.; Amano Enzyme Europe Ltd.
2020216976	Takeda Pharmaceutical Company Limited	2020224769	Global Surgical Innovations Holdings Pty Ltd
2020216980	StemoniX Inc.	2020224954	International Business Machines Corporation
2020217289	LG Electronics Inc.	2020225368	empirical innovations, inc.
2020217563	Ethopass, LLC	2020225473	Evelo Biosciences, Inc.
		2020225542	Trishula Therapeutics, Inc.
		2020226258	Amano Enzyme Inc.; Amano Enzyme Europe Ltd.



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2020226674	Staib, P.	2020232788	Four Paws Products, Ltd.
2020226734	Dialight Corporation	2020232834	Cheetah Robotic Parking Systems, LLC
2020226737	Dialight Corporation	2020232836	The NOCO Company
2020226907	The Climate Corporation	2020232853	Inolex Investment Corporation
2020227147	Phoenicis Therapeutics, Inc.	2020232876	Helena Laboratories Corporation
2020227318	Take it Once Pty Ltd	2020232978	Sealite Pty Ltd
2020227525	Otsuka Pharmaceutical Co., Ltd.	2020233058	Jiangsu Hengrui Medicine Co., Ltd.; Shanghai Hengrui Pharmaceutical Co., Ltd.
2020227580	PharmAbcine Inc.	2020233088	BiomiMechanical Systems Ltd.
2020227711	Guangzhou Xaircraft Technology Co., Ltd.	2020233098	Nuovo Pignone Tecnologie - S.r.l.
2020227754	Huawei Technologies Co., Ltd.	2020233123	Capretto Ehf.
2020227759	Qingdao Haier Refrigerator Co., Ltd.; Haier Smart Home Co., Ltd.	2020233126	Wasserman Medic AB
2020227818	Dantherm Cooling Inc.	2020233375	Mpeg LA, L.L.C.
2020227820	The Fynder Group, Inc.	2020233396	Duke University
2020227856	Qingdao Haier Refrigerator Co., Ltd.; Haier Smart Home Co., Ltd.	2020233515	Wellspring Corporation
2020228028	University of Massachusetts	2020233874	Stone Lock Global, Inc.
2020228047	Madera Therapeutics, LLC	2020233909	International Business Machines Corporation
2020228247	Korea Food Research Institute	2020233914	Inventio AG
2020228303	Merakris Therapeutics LLC	2020233964	Nicoventures Trading Limited
2020228633	Niagara Bottling, LLC	2020233968	Nicoventures Trading Limited
2020228667	Iviva Medical, Inc.	2020234110	Syqe Medical Ltd.
2020228803	ShanghaiTech University	2020234112	Syqe Medical Ltd
2020228833	Zhongchao Special Security Technology Co., Ltd; China Banknote Printing and Minting Corp.	2020234373	Ensol Biosciences Inc.
2020229380	W.C. Bradley Co.	2020234534	dcbel Inc.
2020229522	Rio Tinto Alcan International Ltd.	2020234536	igloocompany Pte. Ltd.
2020229559	Sumitomo Dainippon Pharma Co., Ltd.; International Institute of Cancer Immunology, Inc.	2020234676	Avery Dennison Retail Information Services, LLC
2020229728	Korea Food Research Institute	2020234681	Cala Health, Inc.
2020229982	International Business Machines Corporation	2020234710	Punchh Inc.
2020230446	National University of Ireland, Galway	2020234722	The University of Sydney
2020230456	Xefco Pty Ltd	2020234902	exocad GmbH
2020230556	Voyager Innovations Pty Ltd	2020234961	Nocion Therapeutics, Inc.
2020230627	KBP Biosciences Co., Ltd.	2020234972	Vid Scale, Inc.
2020230760	Caterpillar Global Mining Europe GmbH	2020235043	Nicoventures Trading Limited
2020230860	Commonwealth Scientific and Industrial Research Organisation	2020235096	Qualcomm Incorporated
2020230963	Advanced Marker Discovery S.L.	2020235100	MAKO Surgical Corp.
2020231050	The Anti-Inflammaging Company AG	2020235102	Novilux LLC
2020231065	Caterpillar Inc.	2020235140	Research Institute at Nationwide Children's Hospital
2020231081	Prothema Biosciences Limited	2020235305	Shanghai Cheermore biological technology Co., Ltd.
2020231107	University Health Network	2020235324	Bosonic AG
2020231134	Metso Outotec Finland Oy	2020235397	Nicoventures Trading Limited
2020231147	Decathlon	2020235416	Nicoventures Trading Limited
2020231163	PPlus Skin Care Limited	2020235464	University of Durham
2020231174	Veolia Water Solutions & Technologies Support	2020235475	Janssen Biotech, Inc.
2020231189	IntraBio Ltd.	2020235600	Ravin AI Ltd.
2020231194	University Health Network	2020235643	The Regents of The University of California; Augusta University Research Institute, Inc.
2020231237	Hubbell Incorporated	2020235650	Moleaer, Inc.
2020231240	The NOCO Company	2020235790	Nicoventures Trading Limited
2020231347	Ava Food Labs, Inc.	2020235825	PTC Therapeutics, Inc.
2020231409	The NOCO Company	2020235864	Cend Therapeutics, Inc.
2020231452	Kubota Corporation	2020235888	Nocion Therapeutics, Inc.
2020231476	Metso Outotec Finland Oy	2020235896	Surrozen, Inc.
2020231506	Praxis Precision Medicines, Inc.	2020236470	Nicoventures Trading Limited
2020231693	University Health Network	2020236473	Nicoventures Trading Limited
2020231725	Mitsui Chemicals, Inc.	2020236474	Nicoventures Trading Limited
2020231807	Hövdning Sverige AB	2020236478	Nicoventures Trading Limited
2020231829	Metalogenia Research & Technologies, S.L.	2020236490	Nicoventures Trading Limited
2020231845	Nexans; Socomec	2020236753	Tropic Biosciences UK Limited
2020231919	PEL Pintossi Emilio S.p.a.	2020236953	The Regents of the University of California
2020231927	University Health Network	2020237032	M.E.P. Macchine Elettroniche Piegatrici S.p.A.
2020232012	The NOCO Company	2020237036	Epirus, Inc.
2020232130	Novioscan B.V.	2020237043	Fred Hutchinson Cancer Research Center
2020232175	Pepsico, Inc.	2020237091	DePuy Ireland Unlimited Company
2020232211	Gritstone Oncology, Inc.	2020237237	Tencent America LLC
2020232270	The Climate Corporation	2020237368	Rio Tinto Alcan International Limited
2020232299	Carefusion 303, Inc.	2020237372	Nicoventures Trading Limited
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		2020237489	Omnifi Inc.
		2020237583	International Business Machines Corporation

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2020238668	Tencent America LLC	2020247994	Promaxo, Inc.
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2020239058	Colorado State University Research Foundation; University of Adelaide	2020248089	Monsanto Technology LLC
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2020240067	Sound Agriculture Company	2020249409	Janssen Pharmaceutica NV
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2020240136	PTC Therapeutics, Inc.; University of South Florida	2020249871	Acergy France SAS
2020240710	Harima Chemicals, Inc.	2020250345	Airex Co., Ltd
2020240931	Klemko Techniek B.V.	2020250769	International Business Machines Corporation
2020240964	LG Energy Solution, Ltd.	2020250811	International Business Machines Corporation
2020241129	Motorola Solutions, Inc.	2020250940	Nokia Technologies Oy
2020241239	Green Dot Bioplastics Inc.	2020250957	Nicoventures Trading Limited
2020241392	Bayer CropScience LP	2020250958	Nicoventures Trading Limited
2020241421	Ecolab USA Inc.	2020251307	Nicoventures Trading Limited
2020241507	Tencent America LLC	2020251444	Daikin Industries, Ltd.
2020241517	NxStage Medical, Inc.	2020251738	Nicoventures Trading Limited
2020241727	Becton, Dickinson and Company	2020251893	Bendix Commercial Vehicle Systems LLC
2020241731	NeuroCycle Therapeutics, Inc.	2020252122	ASSA ABLOY Entrance Systems AB
2020241738	Motorola Solutions, Inc.	2020252380	ExxonMobil Research and Engineering Company
2020241751	LivePerson, Inc.	2020252872	International Business Machines Corporation
2020241888	StrideBio, Inc.	2020252965	Rheem Australia Pty Limited
2020242080	Skimmer Lids Pty Ltd	2020253049	ASSA ABLOY Entrance Systems AB
2020242087	dcbel Inc.	2020253054	Janssen Pharmaceutica NV
2020242196	Naue GmbH & Co. KG	2020253261	ConMed Corporation
2020242305	ONK Therapeutics Limited	2020253285	Applied Medical Resources Corporation
2020242485	dcbel Inc.	2020253371	La-Z-Boy Incorporated
2020242599	JENOPTIK Robot GmbH	2020253488	Westmeyer, P.; Mazaheri, R.; Wertenberg, R.F.
2020242868	Perma-tec GmbH & Co. KG	2020253496	Educational Measures, LLC
2020242919	Cognitive Industries Pty Ltd; Valise.TV Pty Ltd	2020253827	Janssen Pharmaceutica NV
2020243015	Primetals Technologies Austria GmbH	2020254215	Merus N.V.
2020243376	Alterity Therapeutics Limited	2020254310	Citrix Systems, Inc.
2020243397	Dcbel Inc.	2020254391	Ranpak Corp.
2020243431	Ludwig Institute for Cancer Research Ltd.; University of Lausanne; Centre Hospitalier Universitaire Vaudois; SIB Swiss Institute of Bioinformatics	2020254394	Elastic Therapy, LLC
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2020244191	University of Essex Enterprises Limited	2020254582	Genentech, Inc.
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2020244654	Shearwater Invest AS	2020254918	Syngenta Crop Protection AG
2020244763	Inflammatix, Inc.	2020255132	International Business Machines Corporation
2020244775	The Regents of the University of California; California Institute for Biomedical Research	2020255772	Asahi Kasei Medical Co., Ltd.
2020244820	ConMed Corporation	2020256066	Cisco Technology, Inc.
2020244827	XenoTherapeutics, Inc.; XenoTherapeutics Corporation	2020256738	ResMed Pty Ltd
2020244862	Vaccinex, Inc.; Merck KGaA	2020257474	Climeworks AG
2020245304	Zevex, Inc.	2020257872	The Procter & Gamble Company
2020245434	Achillion Pharmaceuticals, Inc.	2020257925	International Business Machines Corporation
2020245437	Sumitomo Dainippon Pharma Oncology, Inc.	2020258843	The Procter & Gamble Company
2020245573	Amgen Inc.	2020259271	The Procter & Gamble Company
2020245632	The Board of Supervisors of Louisiana State University and Agricultural and Mechanical College	2020259653	International Business Machines Corporation
2020245902	Amplia Therapeutics Limited	2020259830	International Business Machines Corporation
2020246114	Tokuyama Corporation	2020259908	Borody, T.
2020246272	Asahi Inovex Corp.	2020260301	International Business Machines Corporation
2020246504	Immunowork Inc.	2020260919	CJ CheilJedang Corporation
2020246681	Bühler GmbH	2020260976	The Procter & Gamble Company
2020246796	Ipco 2012 Limited	2020261314	Biocorp Production S.A.
		2020261982	International Business Machines Corporation
		2020262057	International Business Machines Corporation
		2020262304	Eaton Intelligent Power Limited
		2020262858	The Procter & Gamble Company
		2020262873	CR Flight L.L.C.
		2020262948	Adverum Biotechnologies, Inc.

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2020263241	The Procter & Gamble Company
2020263787	International Business Machines Corporation
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2020265090	Viscofan, S.A.
2020265463	i-SENS, Inc.
2020265711	International Business Machines Corporation
2020266125	Mayo Foundation for Medical Education and Research
2020266676	Stimit Corporation
2020267788	Societe des Produits Nestle S.A.
2020267790	Omya International AG
2020267808	Kuhne Anlagenbau GmbH
2020268896	Genentech, Inc.; Hoffmann-La Roche Inc.
2020269190	Omya International AG
2020269422	Biotest AG
2020269869	Omya International AG
2020270549	PI Industries Limited
2020271014	Akiva Capital Holdings Inc.
2020271068	Ohio State Innovation Foundation
2020271608	International Business Machines Corporation
2020271875	The Toro Company
2020271998	Vascular Biogenics Ltd.
2020272216	PI Industries Limited
2020272554	Nicoventures Trading Limited
2020272882	Burrell Mining Products, Inc.
2020272996	Subsea 7 Limited
2020274457	Sekisui Chemical Co., Ltd.
2020274933	Sekisui Chemical Co., Ltd.
2020279663	CJ CheilJedang Corporation
2020280293	Hefei Midea Heating & Ventilating Equipment Co., Ltd.; Midea Group Co., Ltd.
2020281855	Sika Technology AG
2020281914	ANB Sensors Limited
2020283560	Dolby Laboratories Licensing Corporation
2020287393	Adsett, J.
2020301123	Tencent America LLC
2020316905	Boston Scientific Scimed, Inc.
2020318761	Université de Liège; Centre Hospitalier Universitaire de Liège
2020344217	Jade Bird Display (Shanghai) Limited
2020345047	Jade Bird Display (Shanghai) Limited
2020345111	Jade Bird Display (Shanghai) Limited
2020346416	Jade Bird Display (Shanghai) Limited
2020348883	Truma Gerätetechnik GmbH & Co. KG
2020349274	Canon Kabushiki Kaisha
2020368190	CAC Nantong Chemical Co., Ltd.
2020370740	Illumina Cambridge Limited
2020385034	Xi'an Xintong Pharmaceutical Research Co., Ltd.
2020385366	Shandong University of Science and Technology; China Communications Construction Co., LTD.; Qingdao First Municipal Engineering Co., Ltd; Hebei Feipu Environ- mental Protection Technology Co. Ltd; Qingdao West Coast Rail Transit Co., Ltd
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<b><u>A01B 79 /-</u></b>	2020272216	2020232175	<b><u>A41D 13 /-</u></b>		2020228803
2020226907	<b><u>A01N 53 /-</u></b>	2020241421	2020231807	<b><u>A61B 34 /-</u></b>	2020231107
<b><u>A01D 33 /-</u></b>	2020220658	2020267788		2020231189	2020231194
2020223278	<b><u>A01N 63 /-</u></b>	<b><u>A23L 25 /-</u></b>	<b><u>A42B 3 /-</u></b>	2020219858	2020231506
<b><u>A01D 34 /-</u></b>	2020241392	2020224481	2020231807	2020244820	2020231693
2020223278	<b><u>A01N 63 /-</u></b>	2020226258			2020231927
2020271875	2020241392	<b><u>A23L 27 /-</u></b>	<b><u>A47C 1 /-</u></b>	<b><u>A61B 5 /-</u></b>	2020232314
<b><u>A01G 31 /-</u></b>	<b><u>A01P 3 /-</u></b>	2020231347	2020253371	2020219183	2020232853
2020233088	2020246880	2020232175		2020221046	2020233123
<b><u>A01G 9 /-</u></b>	<b><u>A01P 7 /-</u></b>	<b><u>A23L 29 /-</u></b>	<b><u>A47C 3 /-</u></b>	2020234110	2020234961
2020233088	2020220658	2020228247	2020253371	2020235100	2020235464
<b><u>A01H 1 /-</u></b>	<b><u>A22C 13 /-</u></b>	2020229728		2020241517	2020235643
2020239058	2020265090	<b><u>A23L 3 /-</u></b>	<b><u>A47C 7 /-</u></b>	2020248421	2020235888
2020248089	2020265090	2020225368	2020253371	2020254611	2020236953
<b><u>A01H 4 /-</u></b>	<b><u>A23B 7 /-</u></b>	2020241421		2020256738	2020237474
2020233515	2020241421	<b><u>A23L 33 /-</u></b>	<b><u>A47D 13 /-</u></b>	2020265463	2020239060
<b><u>A01H 5 /-</u></b>	<b><u>A23C 11 /-</u></b>	2020218744	2019432521	<b><u>A61B 8 /-</u></b>	2020240091
2019434270	2020224481	2020228247		2020232130	2020241731
<b><u>A01K 1 /-</u></b>	2020226258	2020229728	<b><u>A47D 7 /-</u></b>	2020232130	2020243376
2020232788	<b><u>A23C 9 /-</u></b>	2020232175	2019432521	<b><u>A61B 90 /-</u></b>	2020244278
<b><u>A01K 67 /-</u></b>	2020231347	2020235643		2020245434	2020245437
2020244827	<b><u>A23G 1 /-</u></b>	<b><u>A23N 1 /-</u></b>	<b><u>A47F 1 /-</u></b>	2020219858	2020245902
<b><u>A01M 7 /-</u></b>	2020267788	2019435845	2020227318	2020253285	2020247812
2020227711	<b><u>A23G 3 /-</u></b>	<b><u>A24B 15 /-</u></b>			2020247935
<b><u>A01M 9 /-</u></b>	2020267788	2020235416	<b><u>A47G 21 /-</u></b>	<b><u>A61C 13 /-</u></b>	2020249397
2020227711	<b><u>A23G 9 /-</u></b>	<b><u>A24F 40 /-</u></b>	2020227318	2020234902	2020249409
<b><u>A01N 1 /-</u></b>	2020227820	2020233964		<b><u>A61C 19 /-</u></b>	2020253054
2020221966	2020241421	2020233968	<b><u>A47G 29 /-</u></b>	2020258843	2020253827
<b><u>A01N 25 /-</u></b>	2020267788	2020235043	2020223696	<b><u>A61F 13 /-</u></b>	2020259908
2020220658	<b><u>A23J 3 /-</u></b>	2020235397		2020232788	2020385034
2020246880	2020225368	2020235416	<b><u>A47J 19 /-</u></b>	2020254394	<b><u>A61K 35 /-</u></b>
<b><u>A01N 31 /-</u></b>	2020227820	2020236470	2019435845	<b><u>A61F 2 /-</u></b>	2020218615
2020233123	<b><u>A23K 10 /-</u></b>	2020236473		2020237091	2020225473
<b><u>A01N 37 /-</u></b>	2020228247	2020236474	<b><u>A47J 27 /-</u></b>	2020245632	2020227525
2020368190	2020229728	2020236478	2020215858	<b><u>A61F 9 /-</u></b>	2020228247
<b><u>A01N 43 /-</u></b>	<b><u>A23L 15 /-</u></b>	2020236478	<b><u>A47J 37 /-</u></b>	2020219858	2020228303
2020246880	2020225368	2020236490	2020229380	<b><u>A61G 5 /-</u></b>	2020229728
2020254918	2020227820	2020237372		2020237091	2020231107
2020270549	<b><u>A23L 2 /-</u></b>	2020237377	<b><u>A61B 1 /-</u></b>	2020245632	2020231194
	2020231347	2020250957	2020219858	<b><u>A61G 9 /-</u></b>	2020231693
		2020250958	2020230446	2020219858	2020231927
		2020251307		<b><u>A61G 5 /-</u></b>	2020233396
		2020251738	<b><u>A61B 17 /-</u></b>	2020217975	2020235140
		2020272554	2020219858	<b><u>A61K 101 /-</u></b>	2020237043
		<b><u>A24F 47 /-</u></b>	2020221196	2020318761	2020242305
		2019440103	2020235324	<b><u>A61K 31 /-</u></b>	2020244775
		2020234112	2020244820		2020244827
		2020235790	2020218267	<b><u>A61K 36 /-</u></b>	2020245632
		2020237372	2020218651	2020227525	<b><u>A61K 38 /-</u></b>
		<b><u>A41B 3 /-</u></b>	2020218744	2020228047	2019438995
		2020231807	2020219355		2020216976
			2020220333		2020217793
			2020220889		2020218615
			2020224158		2020219676
			2020227147		2020219736
			2020227525		2020229559
			2020228047		2020231107
					2020231194
					2020231693
					2020231927

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2020234373	2020235643	<b><u>A61P 1 /-</u></b>	2020228047		<b><u>B23B 45 /-</u></b>
2020235864	2020237662		2020228803	<b><u>B01D 15 /-</u></b>	
2020239225	2020244278	2020217793	2020229559	2020268896	2020249745
2020246504	2020254576	2020219355	2020231107		<b><u>B23B 47 /-</u></b>
2020269422	2020254582	2020228247	2020231194		
2020271998		2020229728	2020231693	<b><u>B01D 25 /-</u></b>	2020249745
	<b><u>A61L 2 /-</u></b>	2020234373	2020231927	2020231134	
<b><u>A61K 39 /-</u></b>	2020241421	2020235896	2020233058	2020231476	<b><u>B23Q 1 /-</u></b>
2019433065	2020250345	2020259908	2020235140		
2020218615		2020385034	2020235475	<b><u>B01D 33 /-</u></b>	2020237368
2020225473	<b><u>A61L 26 /-</u></b>	<b><u>A61P 11 /-</u></b>	2020240091		
2020225542			2020242305	2020231174	<b><u>B25F 5 /-</u></b>
2020227580	2020233126	2020227525	2020244775		
2020231081	<b><u>A61L 27 /-</u></b>	<b><u>A61P 13 /-</u></b>	2020244862	<b><u>B01D 46 /-</u></b>	2020249745
2020233058			2020245437	2020235102	<b><u>B25J 5 /-</u></b>
2020235475	2019432095	2020235643	2020245902		
2020244106	2020217732		2020249397	<b><u>B01D 53 /-</u></b>	2020237368
2020254582	2020224769	<b><u>A61P 17 /-</u></b>	2020249409		
2020266676	2020228667		2020253054	2020230860	<b><u>B26B 3 /-</u></b>
2020268896	2020245632	2020219676	2020253827	2020257474	
2020271998	2020254576	2020233123	2020271998		2020227318
			<b><u>A61P 37 /-</u></b>	<b><u>B01D 61 /-</u></b>	<b><u>B29C 33 /-</u></b>
<b><u>A61K 45 /-</u></b>	<b><u>A61L 31 /-</u></b>	<b><u>A61P 25 /-</u></b>	2020217793	2020228667	2020242080
2020228303	2019432092	2020220889	2020225473	<b><u>B01D 69 /-</u></b>	
2020231506		2020231081	2020245434		<b><u>B29C 48 /-</u></b>
2020253054	<b><u>A61M 1 /-</u></b>	2020234961	2020266676	2020255772	2020241239
		2020235464			2020267808
<b><u>A61K 47 /-</u></b>	2020220230	2020240136	<b><u>A61P 43 /-</u></b>	<b><u>B01D 71 /-</u></b>	
2020217732	2020220809	2020243376			
2020219676	2020228667	2020247812	2020218744	2020230860	<b><u>B29C 49 /-</u></b>
2020232314	2020231163		<b><u>A61P 7 /-</u></b>	2020255772	
2020233375	<b><u>A61M 11 /-</u></b>	<b><u>A61P 27 /-</u></b>			2020228633
2020235305			2020216976	<b><u>B01F 3 /-</u></b>	<b><u>B29C 55 /-</u></b>
2020235643	2020251738	2020219676	2020219736	2020225368	2020267808
2020246504	<b><u>A61M 13 /-</u></b>	2020227525	2020247812	2020235650	
2020254582		2020232314			
2020266676	2020244820	<b><u>A61P 29 /-</u></b>	<b><u>A61P 9 /-</u></b>	<b><u>B01F 5 /-</u></b>	<b><u>B29C 64 /-</u></b>
			2020244278	2020235650	2020221466
<b><u>A61K 48 /-</u></b>	<b><u>A61M 15 /-</u></b>	2020218651			
2020232692	2019438995	2020225473	<b><u>A61Q 1 /-</u></b>	<b><u>B01F 7 /-</u></b>	<b><u>B29C 67 /-</u></b>
2020233396	2020234112	2020231189		2020235650	2020249871
2020240136	2020250958	2020234373	2020235305		
2020262948		2020235888	<b><u>A61Q 11 /-</u></b>	<b><u>B01J 23 /-</u></b>	<b><u>B29C 70 /-</u></b>
		2020239060		2020230860	2020242080
<b><u>A61K 51 /-</u></b>	<b><u>A61M 16 /-</u></b>	<b><u>A61P 3 /-</u></b>	2020257872		
2020318761	2020218724	2020218744	2020258843	<b><u>B01J 29 /-</u></b>	<b><u>B31D 5 /-</u></b>
	2020256738	2020225473	2020259271	2020230860	2020254391
<b><u>A61K 8 /-</u></b>	<b><u>A61M 3 /-</u></b>	2020227525	2020260976		
2020233126		2020228247	2020262858	<b><u>B01L 3 /-</u></b>	<b><u>B31F 1 /-</u></b>
2020235305	2020220230	2020229728	2020263240	2020235102	2020254391
2020257872	<b><u>A61M 39 /-</u></b>	<b><u>A61P 31 /-</u></b>	2020263241	2020399285	
2020258843			2020267790		
2020259271	2020220230	2019433734	2020269190		
2020260976	2020244820	2020219355	<b><u>A61Q 19 /-</u></b>	<b><u>B02C 13 /-</u></b>	<b><u>B32B 1 /-</u></b>
2020262858		2020225473			2020267808
2020263240	<b><u>A61M 5 /-</u></b>	2020233123	2020233126	2019435407	
2020263241		2020248404	<b><u>A63G 1 /-</u></b>		<b><u>B32B 27 /-</u></b>
2020267790	2019431475	2020259908		<b><u>B05B 11 /-</u></b>	2020221467
2020269190	2019441848	2020385034	2020222178	2019438995	2020267808
	2020232299	<b><u>A61P 35 /-</u></b>	<b><u>A63G 3 /-</u></b>		
<b><u>A61K 9 /-</u></b>	2020261314			<b><u>B21B 39 /-</u></b>	<b><u>B32B 5 /-</u></b>
2019438995	<b><u>A61N 1 /-</u></b>	2020218615	2020222178	2020243015	2020242196
2020217717		2020218651	<b><u>A63G 7 /-</u></b>		
2020219355	2020234681	2020220333			
2020233123		2020225473			
2020233375		2020227580			

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<b><u>B32B 7 /-</u></b>		<b><u>B66C 17 /-</u></b>	<b><u>C07C 49 /-</u></b>	<b><u>C07D 471 /-</u></b>	2020241888
2020242196	<b><u>B62B 5 /-</u></b>	2020237368	2020220333	2020218267	2020243431
2020267808	2020217760			2020220333	2020244191
		<b><u>B66F 1 /-</u></b>	<b><u>C07D 207 /-</u></b>	2020228047	2020244862
<b><u>B33Y 10 /-</u></b>	<b><u>B62D 49 /-</u></b>	2020248086	2020234961	2020228803	2020260919
2020221466	2020231452		2020230627	2020230627	2020262948
		<b><u>B67D 1 /-</u></b>	2020241731	2020241731	2020266125
<b><u>B33Y 30 /-</u></b>	<b><u>B63B 22 /-</u></b>	2020241421	<b><u>C07D 213 /-</u></b>	2020243376	2020269422
2020249434	2020232978		2020239060	2020247935	<b><u>C07K 16 /-</u></b>
	2020249871	<b><u>B82Y 10 /-</u></b>	2020368190	2020249397	2020214762
		2020259830	<b><u>C07D 215 /-</u></b>	2020270549	2020222262
<b><u>B33Y 80 /-</u></b>	<b><u>B63B 3 /-</u></b>	2020260301	2020235464	<b><u>C07D 487 /-</u></b>	2020225542
2020221466	2020249871			2020220333	2020227580
2020235324		<b><u>B82Y 15 /-</u></b>	<b><u>C07D 231 /-</u></b>	2020228803	2020231081
		2020220233	2020220333	2020235825	2020235475
<b><u>B41J 2 /-</u></b>	<b><u>B63B 51 /-</u></b>			2020241731	2020244106
2019428012	2020232978	<b><u>C01B 3 /-</u></b>	<b><u>C07D 271 /-</u></b>	2020243376	2020244775
2019428180		2020249395	2020272216	2020318761	2020244862
2019428181	<b><u>B63C 11 /-</u></b>	2020252380	<b><u>C07D 295 /-</u></b>	<b><u>C07D 491 /-</u></b>	2020248404
2019428188	2020231147		2020218744	2020220333	2020254215
2019428236		<b><u>C01B 7 /-</u></b>	<b><u>C07D 307 /-</u></b>	2020272216	2020268896
2019428297	<b><u>B64C 11 /-</u></b>	2020222023	2020271068	<b><u>C07D 495 /-</u></b>	<b><u>C07K 19 /-</u></b>
2019428366	2020262873		2020385034	2020228803	2020231107
2019428368		<b><u>C01C 1 /-</u></b>	<b><u>C07D 333 /-</u></b>	2020228803	2020231194
2019428624	<b><u>B64C 27 /-</u></b>	2020230860	2020249409	<b><u>C07D 498 /-</u></b>	2020231693
2019428636	2020262873		2020254918	2020249409	2020231927
2019428638		<b><u>C01F 5 /-</u></b>	<b><u>C07D 401 /-</u></b>	2020218651	2020233058
2019428640	<b><u>B64D 1 /-</u></b>	2020269869	2020218267	<b><u>C07F 5 /-</u></b>	2020246504
2019428713	2020227711		2020228803	2020218651	<b><u>C07K 5 /-</u></b>
2019428714		<b><u>C01F 7 /-</u></b>	2020245434	<b><u>C07F 9 /-</u></b>	2020274457
2019438987	<b><u>B65D 37 /-</u></b>	2020229522	2020249409	<b><u>C07H 19 /-</u></b>	2020274933
2019440158	2020267808		2020254918	2020231107	<b><u>C07K 7 /-</u></b>
2019441034		<b><u>C04B 14 /-</u></b>	<b><u>C07H 19 /-</u></b>	2020231194	2020229559
	<b><u>B65D 51 /-</u></b>	2020246114	2020224158	2020231693	2020234373
<b><u>B42D 25 /-</u></b>	2020267808		<b><u>C07H 21 /-</u></b>	2020249409	2020246504
2020228833		<b><u>C04B 18 /-</u></b>	2020232692	2020254918	2020274457
	<b><u>B65D 65 /-</u></b>	2020246114	2020239058	<b><u>C07I 19 /-</u></b>	2020274933
<b><u>B60H 1 /-</u></b>	2020267808		<b><u>C07J 9 /-</u></b>	2020231107	<b><u>C08B 31 /-</u></b>
2020348883		<b><u>C04B 28 /-</u></b>	202024158	2020231194	2020241239
	<b><u>B65D 81 /-</u></b>	2020246114	<b><u>C07H 21 /-</u></b>	2020231693	<b><u>C08G 18 /-</u></b>
<b><u>B60L 50 /-</u></b>	2019438995		2020232692	2020231927	2020281855
2020234534	2020254391	<b><u>C04B 7 /-</u></b>	2020239058	2020231927	2020274933
		2020246114	<b><u>C07H 19 /-</u></b>	<b><u>C07K 1 /-</u></b>	<b><u>C08B 31 /-</u></b>
<b><u>B60L 53 /-</u></b>	<b><u>B65G 1 /-</u></b>		2020224158	2020268896	<b><u>C08B 31 /-</u></b>
2020234534	2020246951	<b><u>C04B 28 /-</u></b>	<b><u>C07H 21 /-</u></b>	<b><u>C07K 14 /-</u></b>	2020241239
2020242485		2020246114	2020232692	2020224158	<b><u>C08G 18 /-</u></b>
2020243397	<b><u>B65G 15 /-</u></b>		2020239058	2020232692	2020281855
	2019445042	<b><u>C07C 229 /-</u></b>	<b><u>C07K 1 /-</u></b>	2020239058	<b><u>C08G 59 /-</u></b>
<b><u>B60Q 1 /-</u></b>	2020246951	2020246114	2020268896	<b><u>C07L 1 /-</u></b>	2020264706
2020231452	<b><u>B65G 17 /-</u></b>		<b><u>C07K 14 /-</u></b>	<b><u>C07M 1 /-</u></b>	<b><u>C08J 3 /-</u></b>
	2020232853	<b><u>C07C 237 /-</u></b>	2020220333	2020232692	2020241239
<b><u>B60R 16 /-</u></b>	2019445288	20202368190	2020249409	2020239058	2020281855
2020218572	<b><u>B65G 21 /-</u></b>		2020272216	2020268896	<b><u>C08K 5 /-</u></b>
	2019445042	<b><u>C07C 309 /-</u></b>	<b><u>C07D 413 /-</u></b>	2020268896	2020264706
<b><u>B60W 30 /-</u></b>	2019445288	2020220333	2020220333	<b><u>C07K 14 /-</u></b>	<b><u>C08J 3 /-</u></b>
2020231807			2020249409	2019434270	2020219676
	<b><u>B65G 47 /-</u></b>	<b><u>C07C 39 /-</u></b>	2020272216	2019438995	2020241239
<b><u>B60W 50 /-</u></b>	2020237032	20202368190	<b><u>C07D 417 /-</u></b>	2020216976	<b><u>C08K 5 /-</u></b>
2020231807			2020220333	2020217793	2020241239
	<b><u>B65G 57 /-</u></b>	<b><u>C07C 39 /-</u></b>	2020228803	2020228028	<b><u>C08L 27 /-</u></b>
<b><u>B62B 3 /-</u></b>	2020237032	2020236953	2020249409	2020231107	2020267808
2020219049			2020272216	2020231194	<b><u>C08L 3 /-</u></b>
		<b><u>C07C 39 /-</u></b>		2020231693	2020241239
		2020236953		2020231927	
				2020233396	
				2020237043	
				2020240120	
				2020241392	

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<b><u>C08L 63 /-</u></b>	<b><u>C12N 15 /-</u></b>	<b><u>C12P 13 /-</u></b>	<b><u>D06F 37 /-</u></b>	<b><u>E05D 15 /-</u></b>	<b><u>F01D 1 /-</u></b>
2020281855	2019433065	2020260919	2020216025	2020237599	2020233098
	2019434270	<b><u>C12P 19 /-</u></b>	<b><u>D06F 58 /-</u></b>	<b><u>E05F 15 /-</u></b>	<b><u>F01D 5 /-</u></b>
<b><u>C09C 1 /-</u></b>	2020214762	2020218848	2020216025	2020233914	2020233098
2020269190	2020217793	2020239037		2020237599	
2020269869	2020219355	2020279663	<b><u>D06M 101 /-</u></b>	2020252122	<b><u>F01K 25 /-</u></b>
	2020222888			2020253049	
<b><u>C09D 125 /-</u></b>	2020225473	<b><u>C12P 21 /-</u></b>			2019323828
	2020227147		2020255772	<b><u>E05F 3 /-</u></b>	
2020240710	2020228028	2019434270	<b><u>D06M 15 /-</u></b>		<b><u>F01K 3 /-</u></b>
	2020229559	2020214762		2020252122	
<b><u>C09D 133 /-</u></b>	2020231107		2020255772		2019323828
	2020231194	<b><u>C12Q 1 /-</u></b>	<b><u>D21F 13 /-</u></b>	<b><u>E06B 3 /-</u></b>	<b><u>F01K 7 /-</u></b>
2020240710	2020231693			2020237599	
	2020231725	2020217717	2020223700		2019323828
<b><u>C09J 163 /-</u></b>	2020231927	2020217793		<b><u>E06C 9 /-</u></b>	
	2020232692	2020222888	<b><u>D21H 27 /-</u></b>	2019364869	<b><u>F01K 9 /-</u></b>
2020281855	2020233058	2020228303			2019323828
	2020233375	2020229559	2020223696	<b><u>E21B 21 /-</u></b>	
<b><u>C09J 175 /-</u></b>	2020235140	2020231725	2020223700		<b><u>F02C 3 /-</u></b>
	2020236753	2020232211	<b><u>E02B 7 /-</u></b>	2019431540	
2020281855	2020237667	2020234722			2020233098
	2020239037	2020239058	2020246272	<b><u>E21B 23 /-</u></b>	<b><u>F02C 6 /-</u></b>
<b><u>C10B 57 /-</u></b>	2020239058	2020370740			
	2020239225	2020387423	<b><u>E02D 17 /-</u></b>	2019451267	
2020249743	2020240067	2020396889		2019451953	2020233098
	2020240109	2020405034	2020242196		<b><u>F02D 19 /-</u></b>
<b><u>C10M 135 /-</u></b>	2020240136	<b><u>C21B 13 /-</u></b>	<b><u>E02D 19 /-</u></b>	<b><u>E21B 33 /-</u></b>	
	2020241888			2019451953	2020249395
2020271068	2020244191	2020223504	2020242196		<b><u>F02M 21 /-</u></b>
	2020260919		<b><u>E02D 27 /-</u></b>	2019445552	
<b><u>C11D 17 /-</u></b>	2020262948	<b><u>C22C 16 /-</u></b>			2020249395
	2020269422		2019439273	<b><u>E21B 41 /-</u></b>	
2020269869	2020279663	2019432092	2019456405		<b><u>F02M 27 /-</u></b>
	2020370740	<b><u>C23C 14 /-</u></b>	<b><u>E02D 31 /-</u></b>	<b><u>E21B 43 /-</u></b>	
<b><u>C11D 3 /-</u></b>	2020396889			2019451267	2020249395
		2020230456	2020242196	2019451953	<b><u>F03D 1 /-</u></b>
2020269869	<b><u>C12N 5 /-</u></b>	<b><u>C23C 16 /-</u></b>	<b><u>E02F 3 /-</u></b>	2020243441	
				<b><u>E21B 7 /-</u></b>	2020221689
<b><u>C12C 1 /-</u></b>	2019434270	2020220233	2020231065		<b><u>F03D 3 /-</u></b>
	2020216980	<b><u>C23C 8 /-</u></b>		2019431540	
2020246681	2020217810		<b><u>E02F 9 /-</u></b>	<b><u>E21C 27 /-</u></b>	2020221689
	2020219676	2019432092		2019431540	<b><u>F03D 7 /-</u></b>
<b><u>C12C 11 /-</u></b>	2020221966	2019432095	2020219094	2020230760	
	2020231107	<b><u>D01F 6 /-</u></b>	2020231065		2020221689
2020218378	2020231194		2020231829	<b><u>E21C 35 /-</u></b>	
	2020231693	2020255772	<b><u>E04F 11 /-</u></b>		<b><u>F03D 9 /-</u></b>
<b><u>C12F 3 /-</u></b>	2020231927	<b><u>D04B 1 /-</u></b>		2020230760	
	2020237043		2019364869		2019323828
2020218378	2020242305	<b><u>D04H 1 /-</u></b>	<b><u>E04G 21 /-</u></b>	<b><u>E21D 11 /-</u></b>	<b><u>F04B 49 /-</u></b>
	2020274457	2020254394			
<b><u>C12G 1 /-</u></b>	2020274933		2020249434	2020385366	2019444527
		<b><u>D04H 3 /-</u></b>	<b><u>E04H 4 /-</u></b>		2020245304
2020218378	<b><u>C12N 7 /-</u></b>			2020272882	<b><u>F04C 28 /-</u></b>
		2020242196	<b><u>E04H 6 /-</u></b>		
<b><u>C12G 3 /-</u></b>	<b><u>C12N 9 /-</u></b>	<b><u>D06F 34 /-</u></b>		<b><u>E21D 23 /-</u></b>	2019444527
			2020232834		
2020218378	2020235140	2020215406	<b><u>E05B 67 /-</u></b>	2020230760	<b><u>F04D 25 /-</u></b>
		2020216025			
<b><u>C12M 1 /-</u></b>	2020224481	2020217289		<b><u>E21F 13 /-</u></b>	2020233098
	2020226258		2020234536		
2020274933	2020228028			2020230760	<b><u>F16B 19 /-</u></b>
	2020239225				2020217760
<b><u>C12M 3 /-</u></b>	2020240067				
	2020240109				
2020274457	2020240136				
2020274933	2020244191				
	2020260919				
<b><u>C12N 1 /-</u></b>	2020279663				
2020225473					
2020228247					
2020229728					

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<b><u>F16D 66 /-</u></b>	<b><u>F23G 5 /-</u></b>	<b><u>F25D 17 /-</u></b>	<b><u>G01N 1 /-</u></b>	<b><u>G01S 13 /-</u></b>	<b><u>G06F 3 /-</u></b>
2020251893	2019432235	2020227759 2020227856	2020241727	2020242599	2019428181
<b><u>F16K 21 /-</u></b>	<b><u>F23G 7 /-</u></b>	<b><u>F25D 19 /-</u></b>	<b><u>G01N 21 /-</u></b>	<b><u>G01S 15 /-</u></b>	<b><u>G06F 40 /-</u></b>
2019429076	2019432235	2020227856	2020233874 2020399285	2020231452	2020241751 2020242919
<b><u>F16K 5 /-</u></b>	<b><u>F23N 1 /-</u></b>	<b><u>F25D 21 /-</u></b>	<b><u>G01N 24 /-</u></b>	<b><u>G01S 17 /-</u></b>	<b><u>G06F 9 /-</u></b>
2020231919	2020231919	2020227856	2020245573	2019428187 2020219111 2020271875	2020231050
<b><u>F16L 1 /-</u></b>	<b><u>F24B 13 /-</u></b>	<b><u>F28C 3 /-</u></b>	<b><u>G01N 27 /-</u></b>	<b><u>G01S 7 /-</u></b>	<b><u>G06K 19 /-</u></b>
2020272996	2020229380	2020225368	2020232876 2020281914	2019428187 2020219111	2020216093
<b><u>F16L 53 /-</u></b>	<b><u>F24D 19 /-</u></b>	<b><u>F28D 1 /-</u></b>	<b><u>G01N 29 /-</u></b>	<b><u>G01V 1 /-</u></b>	<b><u>G06K 7 /-</u></b>
2020243441	2020252965	2020247413	2020232130	2019432653 2020239165 2020244654	2020234676
<b><u>F16L 55 /-</u></b>	<b><u>F24F 1 /-</u></b>	<b><u>F28D 15 /-</u></b>	<b><u>G01N 33 /-</u></b>	<b><u>G02B 6 /-</u></b>	<b><u>G06K 9 /-</u></b>
2021203374	2020227818 2020247413	2020227818	2020214762 2020216980 2020222262 2020227580 2020229559 2020230963 2020231107 2020231194 2020231693 2020231725 2020231927 2020232211 2020235102 2020241727 2020243431 2020244862 2020254517	2020224410	2020219147 2020221046 2020227754 2020233874 2020234110 2020235600 2020237237 2020239165 2020271875
<b><u>F16L 59 /-</u></b>	<b><u>F24F 11 /-</u></b>	<b><u>F28F 1 /-</u></b>	<b><u>G01N 35 /-</u></b>	<b><u>G03G 15 /-</u></b>	<b><u>G06N 10 /-</u></b>
2020243441	2020215007 2020251444	2020247413	2020241727	2020349274	2019430032 2020224954 2020233909 2020237590 2020250769 2020250811 2020252872 2020255132 2020259653 2020259830 2020260301 2020262057 2020263787 2020265711 2020271608
<b><u>F16N 11 /-</u></b>	<b><u>F24H 1 /-</u></b>	<b><u>F42B 3 /-</u></b>	<b><u>G01N 5 /-</u></b>	<b><u>G03G 21 /-</u></b>	<b><u>G06N 20 /-</u></b>
2020242868	2020252965 2020348883	2020230556	2019438987 2019440158	2020349274	2020215349 2020231050 2020237583 2020261982
<b><u>F21K 9 /-</u></b>	<b><u>F24H 4 /-</u></b>	<b><u>F42C 15 /-</u></b>	<b><u>G01N 9 /-</u></b>	<b><u>G05B 13 /-</u></b>	<b><u>G06F 12 /-</u></b>
2020237489	2020280293	2020230556	2019438987 2019440158	2020254517	2019428188
<b><u>F21S 10 /-</u></b>	<b><u>F24H 6 /-</u></b>	<b><u>F42D 1 /-</u></b>	<b><u>G01N 9 /-</u></b>	<b><u>G05B 17 /-</u></b>	<b><u>G06F 16 /-</u></b>
2020232978	2020280293	2020230556	2019438987 2019440158	2020254517	2020215349 2020241751 2020244763 2020250811 2020254517
<b><u>F21S 2 /-</u></b>	<b><u>F24H 9 /-</u></b>	<b><u>F42D 5 /-</u></b>	<b><u>G01N 35 /-</u></b>	<b><u>G05D 1 /-</u></b>	<b><u>G06N 3 /-</u></b>
2020232978	2020348883	2020230556	2020241727	2020271875	2020215406 2020234722 2020250811 2020254517
<b><u>F21S 4 /-</u></b>	<b><u>F25B 1 /-</u></b>	<b><u>G01F 1 /-</u></b>	<b><u>G01N 5 /-</u></b>	<b><u>G05F 1 /-</u></b>	<b><u>G06N 5 /-</u></b>
2020231845 2020232373	2020252965 2020280293 2020348883	2020235102	2019438987 2019440158	2019432427	2020250811 2020271608
<b><u>F21V 19 /-</u></b>	<b><u>F25B 39 /-</u></b>	<b><u>G01F 23 /-</u></b>	<b><u>G01N 9 /-</u></b>	<b><u>G06F 12 /-</u></b>	<b><u>G06N 20 /-</u></b>
2020226734	2019444527 2020215007	2019438987 2019440158	2019438987 2019440158	2019432427	2020215349 2020231050 2020237583 2020261982
<b><u>F21V 23 /-</u></b>	<b><u>F25B 41 /-</u></b>	<b><u>G01F 5 /-</u></b>	<b><u>G01R 1 /-</u></b>	<b><u>G06F 16 /-</u></b>	<b><u>G06N 3 /-</u></b>
2020226734	2020227818	2020235102	2020224954	2020215349 2020231050 2020237583 2020261982	2020215406 2020234722 2020250811 2020254517
<b><u>F21V 5 /-</u></b>	<b><u>F25B 49 /-</u></b>	<b><u>G01G 3 /-</u></b>	<b><u>G01R 27 /-</u></b>	<b><u>G06F 17 /-</u></b>	<b><u>G06N 5 /-</u></b>
2020232978	2020215007	2020215858	2020237036	2019438970	2020250811 2020271608
<b><u>F21W 111 /-</u></b>	<b><u>F25C 1 /-</u></b>	<b><u>G01L 1 /-</u></b>	<b><u>G01R 31 /-</u></b>	<b><u>G06F 21 /-</u></b>	<b><u>G06N 7 /-</u></b>
2020231845 2020232373	2019444527 2020215007	2019438987 2019440158	2020240964 2020262304	2020233874 2020253488 2020254310 2020257925	2020234710
<b><u>F23B 40 /-</u></b>	<b><u>F25D 11 /-</u></b>	<b><u>G01L 7 /-</u></b>	<b><u>G01R 33 /-</u></b>		
2020229380	2020241421	2020241517	2020245573 2020247994 2020248421		
<b><u>F23C 5 /-</u></b>		<b><u>G01L 9 /-</u></b>			
2019432235	2020227856	2020241517			



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2020254517		<b><u>H01L 27 /-</u></b>		<b><u>H04B 5 /-</u></b>	2020271875
<b><u>G06N 99 /-</u></b>	<b><u>G09F 1 /-</u></b>		<b><u>H02J 50 /-</u></b>		<b><u>H04N 7 /-</u></b>
	2019429974	2020232270		2020217784	
2020234710		2020233874	2020231237		2020253496
<b><u>G06Q 10 /-</u></b>	<b><u>G09F 7 /-</u></b>	2020260301	<b><u>H02J 7 /-</u></b>	<b><u>H04L 12 /-</u></b>	
	2019429974	2020263787		2020238601	<b><u>H04R 3 /-</u></b>
2020216093		2020265711	2020218572	2020241751	2020241129
2020217289	<b><u>G09F 9 /-</u></b>	2020344217	2020242485	2020253496	
2020226907		2020345111			<b><u>H04W 16 /-</u></b>
2020234676	2020287393	2020346416	<b><u>H02K 1 /-</u></b>	<b><u>H04L 25 /-</u></b>	2019438908
2020234710				2020253488	
2020235600	<b><u>G09G 3 /-</u></b>	<b><u>H01L 33 /-</u></b>	2019445552		<b><u>H04W 24 /-</u></b>
2020242919		2020345047		<b><u>H04L 29 /-</u></b>	2019438908
2020246796	2020287393		<b><u>H02K 16 /-</u></b>	2020242485	<b><u>H04W 36 /-</u></b>
2020251444		<b><u>H01L 39 /-</u></b>	2020262873	2020253496	
<b><u>G06Q 20 /-</u></b>	<b><u>G11C 13 /-</u></b>	2020259830		2020254310	2020219015
	2019428188	2020260301	<b><u>H02K 7 /-</u></b>	2020256066	2020250940
2020271014	2019428713	2020263787	2019445552	2020257925	
		2020265711			<b><u>H04W 4 /-</u></b>
<b><u>G06Q 30 /-</u></b>	<b><u>G16B 20 /-</u></b>	<b><u>H01M 10 /-</u></b>	<b><u>H02M 1 /-</u></b>	<b><u>H04L 5 /-</u></b>	
	2020234722		2020242087	2020222608	2020238601
2020226674	2020244763	2020240964	2020243397	2020250940	2020241738
2020231050		<b><u>H01M 50 /-</u></b>	<b><u>H02M 3 /-</u></b>	<b><u>H04L 9 /-</u></b>	<b><u>H04W 48 /-</u></b>
2020234710	<b><u>G16B 30 /-</u></b>	2020240964		2020217563	2019437515
2020235600			2020234534	2020233874	
2020287393	2020405034	<b><u>H01R 13 /-</u></b>	2020253049	2020261982	<b><u>H04W 56 /-</u></b>
<b><u>G06T 19 /-</u></b>	<b><u>G16B 40 /-</u></b>		<b><u>H02M 7 /-</u></b>		
	2020234722	2020231240		<b><u>H04M 15 /-</u></b>	2019431307
2020219858	2020234722	2020231409	2020234534	2020238601	
2020226674		2020232012	2020242087		<b><u>H04W 72 /-</u></b>
<b><u>G06T 7 /-</u></b>	<b><u>G16B 45 /-</u></b>	2020232836	2020243397		
	2020244763			<b><u>H04M 3 /-</u></b>	2019438908
2020214520		<b><u>H01R 24 /-</u></b>	<b><u>H02P 1 /-</u></b>	2020253496	2020220568
2020219147	<b><u>G16H 10 /-</u></b>	2020232836			2020250940
2020219858			2020253049	<b><u>H04M 9 /-</u></b>	<b><u>H04W 74 /-</u></b>
2020221046	2020221046	<b><u>H01R 25 /-</u></b>	<b><u>H02P 27 /-</u></b>	2020241129	2020223256
2020235600		2020231240			
<b><u>G07C 9 /-</u></b>	<b><u>G16H 20 /-</u></b>	2020231409	2019444527	<b><u>H04N 13 /-</u></b>	<b><u>H04W 76 /-</u></b>
	2020231050	2020232012		2020218326	2019431307
2020217784		<b><u>H01R 31 /-</u></b>	<b><u>H02P 3 /-</u></b>		2020214954
<b><u>G08B 13 /-</u></b>	<b><u>G16H 40 /-</u></b>		2020253049	<b><u>H04N 19 /-</u></b>	2020427919
	2020231050	2020231240		2020226573	<b><u>H04W 8 /-</u></b>
2020216093		2020231409	<b><u>H02S 40 /-</u></b>	2020226574	2020214954
	<b><u>H01B 7 /-</u></b>	2020232012		2020234972	2020241738
<b><u>G08B 17 /-</u></b>			2020234534	2020235096	2020250940
	2020231845	<b><u>H01S 3 /-</u></b>		2020237237	
2019428370	2020232373	2019428187	<b><u>H03F 1 /-</u></b>	2020238668	2020250940
<b><u>G08B 29 /-</u></b>	<b><u>H01F 3 /-</u></b>		2020237036	2020241507	<b><u>H04W 88 /-</u></b>
	2020231845	<b><u>H02G 3 /-</u></b>		2020283560	
2019428370	2020232373		<b><u>H03F 3 /-</u></b>	2020301123	2019438908
<b><u>G08B 5 /-</u></b>		2020231240	2020237036		2020237489
	<b><u>H01F 38 /-</u></b>	2020231409		<b><u>H04N 21 /-</u></b>	
2020232978		2020232012	<b><u>H03K 19 /-</u></b>	2020226674	<b><u>H05B 33 /-</u></b>
	2020231237	2020239899		2020287393	2020226734
<b><u>G08G 1 /-</u></b>	<b><u>H01L 21 /-</u></b>	<b><u>H02H 1 /-</u></b>	2020263787		
	2020224954	2020262304		<b><u>H04N 3 /-</u></b>	<b><u>H05B 45 /-</u></b>
2020231807			<b><u>H04B 1 /-</u></b>	2020218326	2020226734
2020242599	<b><u>H01L 23 /-</u></b>	<b><u>H02J 13 /-</u></b>	2020227754		2020240931
<b><u>G09B 19 /-</u></b>		2020243397		<b><u>H04N 5 /-</u></b>	
	2020220233		<b><u>H04B 10 /-</u></b>	2020218326	<b><u>H05B 47 /-</u></b>
2020253496	2020224954	<b><u>H02J 3 /-</u></b>		2020218753	
	2020265711	2020234534	2020226737	2020219048	2020226734
<b><u>G09B 23 /-</u></b>			2020237489		
			2020253488		
2019438995					

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**H05B 6 /-**

2020235790  
2020237372

**H05K 1 /-**

2020229982

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**A61K 9/51** ( 2006.01 )  
**A61K 38/38** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**G01N 33/574** ( 2006.01 )  
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**A01C 23/00** ( 2006.01 )  
**A62C 37/08** ( 2006.01 )  
**B64C 39/02** ( 2006.01 )  
**B64D 1/02** ( 2006.01 )  
**B64D 1/16** ( 2006.01 )  
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**C07D 417/10** ( 2006.01 )  
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**A61P 25/00** ( 2006.01 )  
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**C07D 498/04** ( 2006.01 )  
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**C07D 513/04** ( 2006.01 )  
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**C12N 1/00** ( 2006.01 )  
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**(54)** Application integration with a digital assistant  
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**G06Q 99/00** ( 2006.01 )  
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**(54)** A System and Method for Cashless Gaming  
**(51)** Int. Cl.

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**(51)** Int. Cl.  
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**(51)** Int. Cl.  
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**E05C 17/32** ( 2006.01 )  
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**C12N 5/071** ( 2010.01 )  
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**E21B 33/12** ( 2006.01 )  
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**F16J 15/16** ( 2006.01 )  
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**A61K 48/00** ( 2006.01 )  
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**F16P 7/00** ( 2006.01 )  
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**A01N 43/54** ( 2006.01 )  
**C07D 213/75** ( 2006.01 )  
**C07D 401/12** ( 2006.01 )  
**C07D 401/14** ( 2006.01 )  
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**(54)** Treatment of age related macular degeneration with a small active choroidal neovascularization lesion  
**(51)** Int. Cl.  
**C07K 16/22** ( 2006.01 )  
**A61K 31/00** ( 2006.01 )  
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**A61K 38/17** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61K 41/00** ( 2006.01 )  
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**(54)** Device for covering a surface including interlocking means  
**(51)** Int. Cl.  
**E04H 4/10** ( 2006.01 )  
**A63C 19/12** ( 2006.01 )  
**B60J 7/08** ( 2006.01 )  
**E04F 10/06** ( 2006.01 )  
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**(31)** 2016/5058 **(32)** 25.01.16 **(33)** BE  
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- (51) Int. Cl.  
**G06N 10/00** ( 2019.01 )  
**B82Y 10/00** ( 2011.01 )  
**G06F 13/14** ( 2006.01 )  
**G06F 13/40** ( 2006.01 )  
**H01L 39/22** ( 2006.01 )
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**H04L 12/58** ( 2006.01 )  
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**A61K 36/34** ( 2006.01 )  
**A61K 36/48** ( 2006.01 )  
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**A61K 36/62** ( 2006.01 )  
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**A61P 1/00** ( 2006.01 )
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**C07D 487/04** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
**A61P 13/12** ( 2006.01 )  
**A61P 25/08** ( 2006.01 )  
**A61P 25/16** ( 2006.01 )  
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**A61P 25/22** ( 2006.01 )  
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**A61P 27/06** ( 2006.01 )  
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(54) Recombinant polypeptides, compositions, and methods thereof  
(51) Int. Cl.  
**C07K 14/51** ( 2006.01 )  
**A61K 38/18** ( 2006.01 )
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(72) Sun, Da-Wei; Hsu, Pei-Wen; Chen, Chi-en-Pei  
(74) ALDRICH PROJECTS PTY LTD
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- (71) Biohm Limited  
(11) AU-B-2017351956  
(21) 2017351956 (22) 24.10.2017  
(54) An architectural structure  
(51) Int. Cl.  
**E04B 1/343** ( 2006.01 )  
**E04B 1/61** ( 2006.01 )
- (87) WO2018/078346  
(31) 1618013.5 (32) 25.10.16 (33) GB  
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(72) Sayed, Ehab  
(74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
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(11) AU-B-2017254687  
(21) 2017254687 (22) 21.04.2017  
(54) Compounds that induce degradation of anti-apoptotic Bcl-2 family proteins and the uses thereof  
(51) Int. Cl.  
**C07D 405/14** ( 2006.01 )  
**A61K 31/4439** ( 2006.01 )  
**A61K 31/45** ( 2006.01 )  
**A61K 31/635** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )
- (87) WO2017/184995  
(31) 62/325,856 (32) 21.04.16 (33) US  
(43) 26.10.2017  
(44) 30.09.2021  
(72) Zheng, Guangrong; Zhou, Daohong; Zhang, Xuan; Wang, Yingying; Chang, Jianhui  
(74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Bioverativ Therapeutics Inc.  
(11) AU-B-2019208273  
(21) 2019208273 (22) 26.07.2019  
(54) Factor IX polypeptide formulations  
(51) Int. Cl.  
**C07K 16/00** ( 2006.01 )  
**A61K 38/48** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**C12N 9/96** ( 2006.01 )
- (43) 15.08.2019  
(44) 30.09.2021  
(62) 2014228938  
(72) BRADER, Mark  
(74) Spruson & Ferguson
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- (71) BNNT, LLC  
(11) AU-B-2017367089  
(21) 2017367089 (22) 29.11.2017  
(54) Boron nitride nanotube purification  
(51) Int. Cl.  
**C01B 35/08** ( 2006.01 )  
**B82Y 30/00** ( 2011.01 )  
**B82Y 40/00** ( 2011.01 )
- (87) WO2018/102423  
(31) 62/427,506 (32) 29.11.16 (33) US  
(43) 07.06.2018  
(44) 30.09.2021  
(72) Dushatinski, Thomas G.; Jordan, Kevin C.; Smith, Michael W.; Whitney, R. Roy; Stevens, Jonathan C.  
(74) Spruson & Ferguson
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- (71) BNSF Railway Company  
(11) AU-B-2016317839  
(21) 2016317839 (22) 01.09.2016  
(54) Locomotive electrical systems simulator  
(51) Int. Cl.  
**G09B 9/04** ( 2006.01 )
- (87) WO2017/040751  
(31) 62/212,794 (32) 01.09.15 (33) US

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**(43)** 09.03.2017  
**(44)** 30.09.2021  
**(72)** Douglas, Ronnie Joe; Fortner, Bennie Ray  
**(74)** Houlihan<sup>2</sup> Pty Ltd

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**(71)** Board of Regents, The University of Texas System  
**(11)** AU-B-2017338911  
**(21)** 2017338911 **(22)** 05.10.2017  
**(54)** HLA-restricted VGLL1 peptides and use thereof  
**(51)** Int. Cl.  
*C07K 7/00* ( 2006.01 )  
*A61K 38/00* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
*C07K 14/00* ( 2006.01 )  
**(87)** WO2018/067869  
**(31)** 62/405,779 **(32)** 07.10.16 **(33)** US  
**(43)** 12.04.2018  
**(44)** 30.09.2021  
**(72)** Lizee, Gregory; Yee, Cassian; Roszik, Janos  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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**(71)** Boehringer Ingelheim Vetmedica GmbH  
**(11)** AU-B-2020256294  
**(21)** 2020256294 **(22)** 12.10.2020  
**(54)** INHALER  
**(51)** Int. Cl.  
*A61D 7/04* ( 2006.01 )  
*A46B 11/00* ( 2006.01 )  
*A61M 15/00* ( 2006.01 )  
*A61M 15/08* ( 2006.01 )  
*A61M 16/08* ( 2006.01 )  
*A61M 16/20* ( 2006.01 )  
*B05B 11/00* ( 2006.01 )  
**(43)** 05.11.2020  
**(44)** 30.09.2021  
**(62)** 2018222965  
**(72)** Wachtel, Herbert; Endert, Guido; Christ, Alexander; Wergen, Horst; Rahmel, Marcus Rainer  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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**(71)** Boston Scientific Scimed, Inc.  
**(11)** AU-B-2019251104  
**(21)** 2019251104 **(22)** 09.04.2019  
**(54)** Devices and methods for extending a working channel  
**(51)** Int. Cl.  
*A61B 1/00* ( 2006.01 )  
*A61B 1/018* ( 2006.01 )  
**(87)** WO2019/199763  
**(31)** 62/655,975 **(32)** 11.04.18 **(33)** US  
**(43)** 17.10.2019  
**(44)** 30.09.2021  
**(72)** FOLAN, Martyn G.; MCNERN, Louis; MONTAGUE, Matthew  
**(74)** Spruson & Ferguson

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**Bouchier, E. see Desmarais, K.**  
**(21)** 2017325569

**(71)** Bouygues Travaux Publics  
**(11)** AU-B-2017232167  
**(21)** 2017232167 **(22)** 22.09.2017  
**(54)** Automated device for drilling a hole in the vault and walls of a tunnel and for installing an anchoring element into said hole  
**(51)** Int. Cl.  
*E21D 9/10* ( 2006.01 )  
*E21D 20/00* ( 2006.01 )  
**(31)** 1658903 **(32)** 22.09.16 **(33)** FR  
**(43)** 05.04.2018  
**(44)** 30.09.2021  
**(72)** Furge, Jérôme  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** BS Systems GmbH & Co. KG  
**(11)** AU-B-2021200186  
**(21)** 2021200186 **(22)** 13.01.2021  
**(54)** BELT ADAPTER AND HOLDING SYSTEM COMPRISING A BELT ADAPTER AND A CARRIER ELEMENT  
**(51)** Int. Cl.  
*A45F 5/02* ( 2006.01 )  
*A41F 9/00* ( 2006.01 )  
**(31)** 10 2020 104 512.3 **(32)** 20.02.20 **(33)** DE  
**(43)** 09.09.2021  
**(44)** 30.09.2021  
**(72)** STEGHERR, Franz; DEXLE, Georg  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

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**(71)** Capnia, Inc.  
**(11)** AU-B-2020203162  
**(21)** 2020203162 **(22)** 14.05.2020  
**(54)** Breath selection for analysis  
**(51)** Int. Cl.  
*A61B 5/08* ( 2006.01 )  
*A61B 5/097* ( 2006.01 )  
**(43)** 04.06.2020  
**(44)** 30.09.2021  
**(62)** 2018205114  
**(72)** WONDKA, Anthony D.; BHATNAGAR, Anish; GILBERT, Scott J.  
**(74)** Griffith Hack

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**(71)** CareFusion 303, Inc.  
**(11)** AU-B-2016344428  
**(21)** 2016344428 **(22)** 07.10.2016  
**(54)** Closed IV access device with y-port needle-free connector  
**(51)** Int. Cl.  
*A61M 39/10* ( 2006.01 )  
*A61M 39/24* ( 2006.01 )  
*A61M 39/26* ( 2006.01 )  
**(87)** WO2017/074693  
**(31)** 62/247,690 **(32)** 28.10.15 **(33)** US  
**(43)** 04.05.2017  
**(44)** 30.09.2021  
**(72)** Burkholz, Jonathan Karl; Mansour, George Michel; Yeh, Jonathan  
**(74)** FB Rice Pty Ltd

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**(71)** Carl Zeiss Meditec AG  
**(11)** AU-B-2019312607  
**(21)** 2019312607 **(22)** 01.08.2019  
**(54)** Ophthalmosurgical injector system

**(51)** Int. Cl.  
*A61F 2/16* ( 2006.01 )  
*A61F 9/007* ( 2006.01 )  
*A61L 31/04* ( 2006.01 )  
*A61M 5/178* ( 2006.01 )  
*A61M 5/315* ( 2006.01 )  
**(87)** WO2020/028636  
**(31)** 16/053,312 **(32)** 02.08.18 **(33)** US  
**(43)** 06.02.2020  
**(44)** 30.09.2021  
**(72)** GLICK, Robert; SUNIO, Vincent; MEINKE, Emma; MUELLER, Marco  
**(74)** Griffith Hack

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**Carpenter, T. see Desmarais, K.**  
**(21)** 2017325569

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**Carpenter, C.A. see Desmarais, K.**  
**(21)** 2017325569

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**(71)** Casale SA  
**(11)** AU-B-2018223713  
**(21)** 2018223713 **(22)** 31.01.2018  
**(54)** Process for methanol production  
**(51)** Int. Cl.  
*C07C 29/151* ( 2006.01 )  
*C07C 31/04* ( 2006.01 )  
**(87)** WO2018/153625  
**(31)** 17157696.0 **(32)** 23.02.17 **(33)** EP  
**(43)** 30.08.2018  
**(44)** 30.09.2021  
**(72)** Lepri, Maddalena; Moreo, Pietro; Ostuni, Raffaele  
**(74)** MINTER ELLISON

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**(71)** Chart Energy & Chemicals, Inc.  
**(11)** AU-B-2016291205  
**(21)** 2016291205 **(22)** 08.07.2016  
**(54)** Mixed refrigerant system and method  
**(51)** Int. Cl.  
*F25J 1/00* ( 2006.01 )  
*F25J 1/02* ( 2006.01 )  
**(87)** WO2017/008040  
**(31)** 62/190,069 **(32)** 08.07.15 **(33)** US  
**(43)** 12.01.2017  
**(44)** 30.09.2021  
**(72)** Ducote Jr., Douglas A.; Podolski, James  
**(74)** Spruson & Ferguson

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**(71)** ChemoCentryx, Inc.  
**(11)** AU-B-2016355654  
**(21)** 2016355654 **(22)** 17.11.2016  
**(54)** Inhibitors of CXCR2  
**(51)** Int. Cl.  
*C07D 405/12* ( 2006.01 )  
*A61K 31/404* ( 2006.01 )  
*A61K 31/407* ( 2006.01 )  
*A61K 31/5377* ( 2006.01 )  
**(87)** WO2017/087610  
**(31)** 62/257,529 **(32)** 19.11.15 **(33)** US  
**(43)** 26.05.2017  
**(44)** 30.09.2021  
**(72)** Chen, Xi; Dragoli, Dean R.; Fan, Junfa; Kalisiak, Jaroslaw; Leleti, Manmohan Reddy; Malathong, Viengkham; McMa-

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hon, Jeffrey; Tankaka, Hiroko; Yang, Ju; Yu, Chao; Zhang, Penglie; Mali, Venkat  
**(74)** Griffith Hack

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**(71)** Chevron U.S.A. Inc.  
**(11)** AU-B-2017305425  
**(21)** 2017305425 **(22)** 03.08.2017  
**(54)** System and method for petro-elastic modeling  
**(51)** Int. Cl.  
*G01V 1/50* ( 2006.01 )  
**(87)** WO2018/027003  
**(31)** 62/371,283 **(32)** 05.08.16 **(33)** US  
**(43)** 08.02.2018  
**(44)** 30.09.2021  
**(72)** Roy, Prasenjit; Krishnamurthy, Kabilan; Skelt, Christopher H.; Stefani, Joseph P.; Tiwary, Dileep K.  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** China Petroleum & Chemical Corporation; Sinopec Research Institute of Safety Engineering  
**(11)** AU-B-2018226928  
**(21)** 2018226928 **(22)** 26.02.2018  
**(54)** Foam production method, fire extinguishing method, and foam extinguishing appliance  
**(51)** Int. Cl.  
*A62C 5/02* ( 2006.01 )  
**(87)** WO2018/157770  
**(31)** 201710645358.3 **(32)** 01.08.17 **(33)** CN  
 201710646122.1 01.08.17 CN  
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 201710645486.8 01.08.17 CN  
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 201710119860.0 01.03.17 CN  
**(43)** 07.09.2018  
**(44)** 30.09.2021  
**(72)** Mu, Shanjun; Jiang, Chunming; Zhang, Weihua; Liu, Quanzhen; Lang, Xuqing; Mu, Xiaodong; Wang, Lin; Wu, Jingfeng; Tan, Longmei; Shang, Zuzheng; Zhou, Rifeng; Li, Jianxiang; Yu, Hui  
**(74)** Griffith Hack

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**(71)** Citrix Systems, Inc.  
**(11)** AU-B-2018367400  
**(21)** 2018367400 **(22)** 02.11.2018  
**(54)** Deployment routing of clients by analytics  
**(51)** Int. Cl.  
*G06F 8/65* ( 2018.01 )  
*G06F 11/00* ( 2006.01 )  
*G06F 11/34* ( 2006.01 )  
**(87)** WO2019/099214  
**(31)** 15/815,615 **(32)** 16.11.17 **(33)** US  
**(43)** 23.05.2019  
**(44)** 30.09.2021  
**(72)** MOORE, Timothy Jay; SIRYK, Nicholas Walter  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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**(71)** Clinical Laserthermia Systems GmbH  
**(11)** AU-B-2016278511  
**(21)** 2016278511 **(22)** 15.06.2016  
**(54)** Laterally emitting optical waveguide and method for introducing micromodifications into an optical waveguide  
**(51)** Int. Cl.  
*F21V 8/00* ( 2006.01 )  
**(87)** WO2016/202328  
**(31)** 10 2015 119 875.4 **(32)** 17.11.15 **(33)** DE  
 10 2015 008 277.9 19.06.15 DE  
**(43)** 22.12.2016  
**(44)** 30.09.2021  
**(72)** Schwagmeier, Manuela; Knappe, Verena; Ashkenasi, David; Cappius, Hans-Joachim  
**(74)** Wallington-Dummer

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**(71)** CNH Industrial America LLC  
**(11)** AU-B-2017239527  
**(21)** 2017239527 **(22)** 04.10.2017  
**(54)** Agricultural header with cutter tracking reel  
**(51)** Int. Cl.  
*A01D 41/14* ( 2006.01 )  
**(31)** 15/285,982 **(32)** 05.10.16 **(33)** US  
**(43)** 19.04.2018  
**(44)** 30.09.2021  
**(72)** Cook, Joel T.; Joyce, Joshua S.  
**(74)** Griffith Hack

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**(71)** Commonwealth Scientific and Industrial Research Organisation; The Boeing Company  
**(11)** AU-B-2017263714  
**(21)** 2017263714 **(22)** 11.05.2017  
**(54)** Polysiloxane hydraulic fluids  
**(51)** Int. Cl.  
*C08G 77/04* ( 2006.01 )  
*C08L 83/04* ( 2006.01 )  
*C10M 107/50* ( 2006.01 )  
*C10M 137/12* ( 2006.01 )  
**(87)** WO2017/193174  
**(31)** 62/334,555 **(32)** 11.05.16 **(33)** US  
**(43)** 16.11.2017  
**(44)** 30.09.2021  
**(72)** Ballard, Mathew John; Casey, Philip Stephen; Holmes, Susan Wan-Yi; Way, Cameron David; Winzenberg, Kevin Norman; Hull, James  
**(74)** FB Rice Pty Ltd

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**(71)** CommScope Technologies LLC  
**(11)** AU-B-2016317020  
**(21)** 2016317020 **(22)** 30.08.2016  
**(54)** Splice-on fiber optic connector  
**(51)** Int. Cl.  
*G02B 6/255* ( 2006.01 )  
*G02B 6/38* ( 2006.01 )  
**(87)** WO2017/040517  
**(31)** 62/212,426 **(32)** 31.08.15 **(33)** US  
**(43)** 09.03.2017  
**(44)** 30.09.2021  
**(72)** Nhep, Ponharith; Lu, Yu  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** ConMed Corporation  
**(11)** AU-B-2019251095  
**(21)** 2019251095 **(22)** 08.04.2019  
**(54)** Pencil-grip wire driver operated with distally located actuator  
**(51)** Int. Cl.  
*A61B 17/16* ( 2006.01 )  
**(87)** WO2019/199666  
**(31)** 62/654,618 **(32)** 09.04.18 **(33)** US  
**(43)** 17.10.2019  
**(44)** 30.09.2021  
**(72)** SIEH, John K.; MCGARVEY, James  
**(74)** Griffith Hack

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**(71)** Connan, H.  
**(11)** AU-B-2016265050  
**(21)** 2016265050 **(22)** 20.05.2016  
**(54)** A magnetic lock mechanism  
**(51)** Int. Cl.  
*E05B 47/00* ( 2006.01 )  
*E05B 19/00* ( 2006.01 )  
*E05B 27/00* ( 2006.01 )  
*E05B 35/00* ( 2006.01 )  
**(87)** WO2016/183640  
**(31)** 2015901832 **(32)** 20.05.15 **(33)** AU  
**(43)** 24.11.2016  
**(44)** 30.09.2021  
**(72)** Connan, Hamish  
**(74)** Monks IP

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**(71)** Cornell University  
**(11)** AU-B-2020202360  
**(21)** 2020202360 **(22)** 02.04.2020  
**(54)** METHOD AND APPARATUS FOR MANIPULATING THE SIDE WALL OF A BODY LUMEN OR BODY CAVITY SO AS TO PROVIDE INCREASED VISUALIZATION OF THE SAME AND/OR INCREASED ACCESS TO THE SAME, AND/OR FOR STABILIZING INSTRUMENTS RELATIVE TO THE SAME  
**(51)** Int. Cl.  
*A61M 29/00* ( 2006.01 )  
**(43)** 30.04.2020  
**(44)** 30.09.2021  
**(62)** 2015217259  
**(72)** Milsom, Jeffrey; Sharma, Sameer; Nguyen, Tuan Anh; Dillon, Christopher; Greeley, Gabriel; Sathe, Rahul; Denardo, Matthew; Whitney, Ashley; Van Hill, Jeremy; Assal, Anthony; Cornhill, John Frederick  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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**(71)** Corplex Plastics UK Ltd.  
**(11)** AU-B-2019391432  
**(21)** 2019391432 **(22)** 05.12.2019  
**(54)** Bag side connector for a bib package  
**(51)** Int. Cl.  
*B65D 77/06* ( 2006.01 )  
*B65D 47/24* ( 2006.01 )  
*B67B 7/00* ( 2006.01 )  
**(87)** WO2020/115699  
**(31)** 1819979.4 **(32)** 07.12.18 **(33)** GB  
**(43)** 11.06.2020  
**(44)** 30.09.2021  
**(72)** DARBY, Ian  
**(74)** Spruson & Ferguson



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(71) Covidien LP  
 (11) AU-B-2019257573  
 (21) 2019257573 (22) 01.04.2019  
 (54) Staple cartridge assembly for use in a surgical robotic system  
 (51) Int. Cl.  
**A61B 17/072** ( 2006.01 )  
**A61B 17/068** ( 2006.01 )  
**A61B 17/29** ( 2006.01 )  
**A61B 34/30** ( 2016.01 )  
**A61B 90/96** ( 2016.01 )  
**A61B 90/98** ( 2016.01 )  
 (87) WO2019/209467  
 (31) 62/661,333 (32) 23.04.18 (33) US  
 (43) 31.10.2019  
 (44) 30.09.2021  
 (72) HESSLER, Thomas; CALDERONI, Anthony; JERMINE, David  
 (74) Spruson & Ferguson

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(71) Cummins Filtration IP, Inc.  
 (11) AU-B-2016379168  
 (21) 2016379168 (22) 16.12.2016  
 (54) Filtration monitoring systems  
 (51) Int. Cl.  
**F04B 27/24** ( 2006.01 )  
**F04B 49/20** ( 2006.01 )  
**F04D 25/08** ( 2006.01 )  
**G06G 7/66** ( 2006.01 )  
 (87) WO2017/112547  
 (31) 14/977,858 (32) 22.12.15 (33) US  
 (43) 29.06.2017  
 (44) 30.09.2021  
 (72) Dhingra, Amit; Prabhala, Bharadwaj; Vaidya, Abhijeet; Shimpi, Abhijit; Burgan, Eric R.  
 (74) Spruson & Ferguson

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**Czech Technical University in Prague see Adobe Inc.**  
 (21) 2017202711

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(71) Depuy Ireland Unlimited Company  
 (11) AU-B-2017267672  
 (21) 2017267672 (22) 18.05.2017  
 (54) System for preparing a patient's tibia in an orthopaedic joint replacement procedure  
 (51) Int. Cl.  
**A61B 17/15** ( 2006.01 )  
**A61B 17/16** ( 2006.01 )  
**A61F 2/38** ( 2006.01 )  
 (87) WO2017/201262  
 (31) 62/338,284 (32) 18.05.16 (33) US  
 (43) 23.11.2017  
 (44) 30.09.2021  
 (72) Penninger, Charles L.; Barnett, James E.; Flakne, Kyle R.; Hathaway, Tyler S.; Carver, Adam L.; Reeve, Michael R.; Robertson, Lisa M.; Miltner, Nicholas A.; Wolfson, David R.; Wogoman, Thomas E.  
 (74) Spruson & Ferguson

(71) Derrick Corporation  
 (11) AU-B-2018326599  
 (21) 2018326599 (22) 30.08.2018  
 (54) Deblinding apparatuses and methods for screening  
 (51) Int. Cl.  
**B07B 1/54** ( 2006.01 )  
 (87) WO2019/046571  
 (31) 62/553,668 (32) 01.09.17 (33) US  
 (43) 07.03.2019  
 (44) 30.09.2021  
 (72) LIPA, Anthony J.  
 (74) Phillips Ormonde Fitzpatrick

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(71) Desmarais, K.; Carpenter, T.; Carpenter, C.A.; Beechinor, M.R.; Frazer, T.; Belcourt, B.; Bouchier, E.  
 (11) AU-B-2017325569  
 (21) 2017325569 (22) 11.07.2017  
 (54) Systems and methods for medicinal cannabis harvesting  
 (51) Int. Cl.  
**A01D 46/02** ( 2006.01 )  
**A01D 45/16** ( 2006.01 )  
**A01D 45/22** ( 2006.01 )  
**A01D 47/00** ( 2006.01 )  
**A01F 11/00** ( 2006.01 )  
**A24B 5/06** ( 2006.01 )  
 (87) WO2018/048503  
 (31) 15/261,894 (32) 10.09.16 (33) US  
 (43) 15.03.2018  
 (44) 30.09.2021  
 (72) Desmarais, Kerry; Carpenter, Thomas; Carpenter, Craig A.; Beechinor, Matthew Ryan; Frazer, Thomas; Belcourt, Bill; Bouchier, Evan  
 (74) Spruson & Ferguson

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(71) Dow AgroSciences LLC  
 (11) AU-B-2017365177  
 (21) 2017365177 (22) 22.11.2017  
 (54) Fungicidal compounds and mixtures for fungal control in cereals  
 (51) Int. Cl.  
**A01N 43/653** ( 2006.01 )  
**A01G 7/06** ( 2006.01 )  
**A01N 25/14** ( 2006.01 )  
 (87) WO2018/098222  
 (31) 62/425,508 (32) 22.11.16 (33) US  
 (43) 31.05.2018  
 (44) 30.09.2021  
 (72) Fairfax, Mark; Gallup, Courtney; Colombo, Romain; Biro, Akos; Schnieder, Frank; Romero, Enrique Lopez  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Downunder Geosolutions Pty Ltd.  
 (11) AU-B-2018282093  
 (21) 2018282093 (22) 01.06.2018  
 (54) Method for improved processing of data with time overlapping recordings of energy sources  
 (51) Int. Cl.  
**G01V 1/28** ( 2006.01 )  
**G01V 1/32** ( 2006.01 )  
**G01V 1/34** ( 2006.01 )  
**G01V 1/36** ( 2006.01 )  
 (87) WO2018/226541

(31) 62/516,768 (32) 08.06.17 (33) US  
 (43) 13.12.2018  
 (44) 30.09.2021  
 (72) Kumar, Amarjeet; Hampson, Gary; Thompson, Troy A.  
 (74) AUSTRALASIA IP PTY LTD

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(71) Dräger Safety AG & Co. KGaA  
 (11) AU-B-2018383962  
 (21) 2018383962 (22) 19.11.2018  
 (54) Pre-flush unit for carrying out a pre-flush procedure in a breathing gas circuit of a recirculating breathing protection apparatus  
 (51) Int. Cl.  
**A62B 7/00** ( 2006.01 )  
**A61M 16/08** ( 2006.01 )  
**A61M 16/10** ( 2006.01 )  
**A62B 7/02** ( 2006.01 )  
**B63C 11/24** ( 2006.01 )  
 (87) WO2019/115162  
 (31) 10 2017 011 623.7 (32) 15.12.17 (33) DE  
 (43) 20.06.2019  
 (44) 30.09.2021  
 (72) WENDEROTH, Kurt  
 (74) Houlihan<sup>2</sup> Pty Ltd

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(71) DT Inventions  
 (11) AU-B-2018250176  
 (21) 2018250176 (22) 04.04.2018  
 (54) Variable Thickness Preform for a Bottle  
 (51) Int. Cl.  
**B29B 11/14** ( 2006.01 )  
**B29B 11/08** ( 2006.01 )  
**B29C 49/06** ( 2006.01 )  
 (87) WO2018/187412  
 (31) 15/479,037 (32) 04.04.17 (33) US  
 (43) 11.10.2018  
 (44) 30.09.2021  
 (72) Thibodeau, James Alfred  
 (74) Spruson & Ferguson

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(71) Eidgenoessische Technische Hochschule Zurich  
 (11) AU-B-2019213430  
 (21) 2019213430 (22) 09.08.2019  
 (54) Small molecule drug conjugates  
 (51) Int. Cl.  
**A61K 47/54** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
 (43) 29.08.2019  
 (44) 30.09.2021  
 (62) 2018204293  
 (72) Krall, Nikolaus; Decurtins, Willy; Neri, Dario; Scheuermann, Jorg; Wichert, Moreno  
 (74) Davies Collison Cave Pty Ltd

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(71) Eisai R&D Management Co., Ltd.  
 (11) AU-B-2016302009  
 (21) 2016302009 (22) 05.08.2016  
 (54) Chiral reagents for preparation of homogeneous oligomers  
 (51) Int. Cl.  
**C07F 9/6558** ( 2006.01 )  
**A61K 31/713** ( 2006.01 )  
**C07F 9/6561** ( 2006.01 )

Applications Accepted - Name Index cont'd

**C07H 21/00** ( 2006.01 )  
**(87)** WO2017/024264  
**(31)** 62/201,510 **(32)** 05.08.15 **(33)** US  
**(43)** 09.02.2017  
**(44)** 30.09.2021  
**(72)** Endo, Atsushi; Yu, Robert T.; Fang, Francis; Choi, Hyeong Wook; Shan, Mingde  
**(74)** Spruson & Ferguson

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**(71)** Electrochemical Oxygen Concepts, Inc.  
**(11)** AU-B-2016366165  
**(21)** 2016366165 **(22)** 07.12.2016  
**(54)** Apparatus and methods for controlling tissue oxygenation for wound healing and promoting tissue viability  
**(51)** Int. Cl.  
**A61M 35/00** ( 2006.01 )  
**A61F 13/00** ( 2006.01 )  
**A61M 1/00** ( 2006.01 )  
**A61N 1/00** ( 2006.01 )  
**(87)** WO2017/100320  
**(31)** 14/961,587 **(32)** 07.12.15 **(33)** US  
**(43)** 15.06.2017  
**(44)** 30.09.2021  
**(72)** Wells, Michael C.; Parker, Mark; Claribus, Daniel J.; Parker, Andrew; Pundole, Faraidoon; Woods, Tom; Niederauer, Mark; Daley, James P.  
**(74)** AJ PARK

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**(71)** Ellipse World S.A.  
**(11)** AU-B-2017309382  
**(21)** 2017309382 **(22)** 03.08.2017  
**(54)** Prepaid, debit and credit card security code generation system  
**(51)** Int. Cl.  
**G06K 19/067** ( 2006.01 )  
**G06Q 20/34** ( 2012.01 )  
**G06Q 20/38** ( 2012.01 )  
**G06Q 20/40** ( 2012.01 )  
**G07F 7/08** ( 2006.01 )  
**(87)** WO2018/029581  
**(31)** 15/230,989 **(32)** 08.08.16 **(33)** US  
 15/231,069 08.08.16 US  
 15/242,939 22.08.16 US  
**(43)** 15.02.2018  
**(44)** 30.09.2021  
**(72)** Essebag, Jacques; Pochic, Sébastien  
**(74)** Spruson & Ferguson

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**(71)** Elmer's Welding & Manufacturing Ltd.  
**(11)** AU-B-2016203617  
**(21)** 2016203617 **(22)** 31.05.2016  
**(54)** SOIL SPREADING SCRAPER DEVICE INCLUDING DEFLECTING PADDLES  
**(51)** Int. Cl.  
**E02F 3/28** ( 2006.01 )  
**(31)** 62/180,852 **(32)** 17.06.15 **(33)** US  
**(43)** 12.01.2017  
**(44)** 30.09.2021  
**(72)** Thompson, Mark Christopher  
**(74)** IP Gateway Patent and Trade Mark Attorneys Pty Ltd

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**(71)** Embody Orthopaedic Limited  
**(11)** AU-B-2016348912

**(21)** 2016348912 **(22)** 07.11.2016  
**(54)** Rotary cutter for preparing the acetabular socket for a hip implant  
**(51)** Int. Cl.  
**A61B 17/16** ( 2006.01 )  
**A61B 17/88** ( 2006.01 )  
**(87)** WO2017/077340  
**(31)** 1519624.9 **(32)** 06.11.15 **(33)** GB  
**(43)** 11.05.2017  
**(44)** 30.09.2021  
**(72)** Wozencroft, Robert  
**(74)** WRAYS PTY LTD

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**(71)** Enphase Energy, Inc.  
**(11)** AU-B-2016344321  
**(21)** 2016344321 **(22)** 25.10.2016  
**(54)** Automated photovoltaic geospatial location  
**(51)** Int. Cl.  
**H02S 50/00** ( 2014.01 )  
**G08C 17/02** ( 2006.01 )  
**H01L 31/042** ( 2006.01 )  
**H02S 40/32** ( 2014.01 )  
**(87)** WO2017/074916  
**(31)** 14/922,915 **(32)** 26.10.15 **(33)** US  
**(43)** 04.05.2017  
**(44)** 30.09.2021  
**(72)** Chapman, Patrick L.; Haugh, Julianne Frances; Mekechuk, Kelly; Roesinger, Eric  
**(74)** Spruson & Ferguson

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**(71)** Essity Hygiene and Health Aktiebolag  
**(11)** AU-B-2018415282  
**(21)** 2018415282 **(22)** 26.03.2018  
**(54)** Disposable absorbent hygiene product comprising absorbent assembly  
**(51)** Int. Cl.  
**A61F 13/532** ( 2006.01 )  
**A61F 13/53** ( 2006.01 )  
**A61F 13/535** ( 2006.01 )  
**(87)** WO2019/185112  
**(43)** 03.10.2019  
**(44)** 30.09.2021  
**(72)** GUIDOTTI, Edward; MEYER NORÉN, Rikard  
**(74)** Griffith Hack

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**(71)** Eurofilters Holding N.V.  
**(11)** AU-B-2019259443  
**(21)** 2019259443 **(22)** 21.03.2019  
**(54)** Vacuum cleaner filter bag with film in the region of the holding plate  
**(51)** Int. Cl.  
**A47L 9/14** ( 2006.01 )  
**(87)** WO2019/206532  
**(31)** 18169777.2 **(32)** 27.04.18 **(33)** EP  
**(43)** 31.10.2019  
**(44)** 30.09.2021  
**(72)** SAUER, Ralf; SCHULTINK, Jan  
**(74)** Shelston IP Pty Ltd.

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**(71)** Exeger Operations AB  
**(11)** AU-B-2017302388  
**(21)** 2017302388 **(22)** 10.01.2017

**(54)** A light absorbing layer and a photovoltaic device including a light absorbing layer  
**(51)** Int. Cl.  
**H01L 51/42** ( 2006.01 )  
**H01G 9/20** ( 2006.01 )  
**H01L 51/44** ( 2006.01 )  
**(87)** WO2018/021952  
**(31)** 1651521-5 **(32)** 21.11.16 **(33)** SE  
 1651090-1 29.07.16 SE  
**(43)** 01.02.2018  
**(44)** 30.09.2021  
**(72)** Lindström, Henrik; Fili, Giovanni  
**(74)** Griffith Hack

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**(71)** EZ Male Pads, Incorporated  
**(11)** AU-B-2017244200  
**(21)** 2017244200 **(22)** 30.03.2017  
**(54)** Urine absorbent pad  
**(51)** Int. Cl.  
**A61F 13/56** ( 2006.01 )  
**A61F 13/471** ( 2006.01 )  
**A61F 13/58** ( 2006.01 )  
**(87)** WO2017/173132  
**(31)** 15/087,557 **(32)** 31.03.16 **(33)** US  
**(43)** 05.10.2017  
**(44)** 30.09.2021  
**(72)** Lumaque-Steeman, Lorna Mateo; Johnson, Wade C.  
**(74)** Zone Patents Limited

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**(71)** F. Hoffmann-La Roche AG  
**(11)** AU-B-2019322538  
**(21)** 2019322538 **(22)** 12.08.2019  
**(54)** New heterocyclic compounds as monoacylglycerol lipase inhibitors  
**(51)** Int. Cl.  
**C07D 498/04** ( 2006.01 )  
**A61K 31/5365** ( 2006.01 )  
**A61P 25/06** ( 2006.01 )  
**A61P 25/08** ( 2006.01 )  
**A61P 25/16** ( 2006.01 )  
**A61P 25/24** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(87)** WO2020/035424

**(31)** 18188681.3 **(32)** 13.08.18 **(33)** EP  
**(43)** 20.02.2020  
**(44)** 30.09.2021  
**(72)** BELL, Charles; BENZ, Joerg; GOBBI, Luca; GRETHER, Uwe; GROEBKE ZBINDEN, Katrin; HORNSPERGER, Benoit; KOCER, Buelent; KROLL, Carsten; KUHN, Bernd; LUTZ, Marius Daniel Rinaldo; O'HARA, Fionn; RICHTER, Hans; RITTER, Martin; ROMBACH, Didier; KURATLI, Martin  
**(74)** Spruson & Ferguson

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**(71)** Fastmount Limited  
**(11)** AU-B-2019217218  
**(21)** 2019217218 **(22)** 08.02.2019  
**(54)** A surface panel connection system  
**(51)** Int. Cl.  
**F16B 5/06** ( 2006.01 )  
**E04F 13/24** ( 2006.01 )  
**F16B 21/06** ( 2006.01 )  
**(87)** WO2019/156576  
**(31)** 739745 **(32)** 08.02.18 **(33)** NZ

Applications Accepted - Name Index cont'd

2018904195 05.11.18 AU  
**(43)** 15.08.2019  
**(44)** 30.09.2021  
**(72)** KELLY, Gregory John  
**(74)** Origin Patent and Trade Mark Attorneys

**FG Innovation Company Limited see Sharp Kabushiki Kaisha**  
**(21)** 2017308812

**FG Innovation Company Limited see Sharp Kabushiki Kaisha**  
**(21)** 2017311151

**(71)** Fisher & Paykel Healthcare Limited  
**(11)** AU-B-2020202199  
**(21)** 2020202199 **(22)** 27.03.2020  
**(54)** A TUBE SECUREMENT SYSTEM  
**(51)** Int. Cl.  
**A61J 15/00** ( 2006.01 )  
**A61M 16/00** ( 2006.01 )  
**A61M 25/02** ( 2006.01 )  
**(43)** 16.04.2020  
**(44)** 30.09.2021  
**(62)** 2018208674  
**(72)** Gulliver, Laurence; Hopkins, Caroline Geraldine; Duthie, Neil Gray  
**(74)** AJ PARK

**(71)** Fluid Handling LLC  
**(11)** AU-B-2017330468  
**(21)** 2017330468 **(22)** 26.09.2017  
**(54)** Contoured check valve disc for low cracking pressure  
**(51)** Int. Cl.  
**F16K 15/03** ( 2006.01 )  
**E03F 7/04** ( 2006.01 )  
**F16K 27/02** ( 2006.01 )  
**(87)** WO2018/058099  
**(31)** 62/399,614 **(32)** 26.09.16 **(33)** US  
**(43)** 29.03.2018  
**(44)** 30.09.2021  
**(72)** Strongin, Mikhail; Litoriya, Mrinalini; Nair, Mahesh; Evans, Stanley Paul; Rossa, Florin  
**(74)** Shelston IP Pty Ltd.

**(71)** FMC Corporation  
**(11)** AU-B-2017340623  
**(21)** 2017340623 **(22)** 05.10.2017  
**(54)** Bacillus thuringiensis RTI545 compositions and methods of use for benefiting plant growth and controlling plant pests  
**(51)** Int. Cl.  
**A01N 63/23** ( 2020.01 )  
**A01N 25/00** ( 2006.01 )  
**A01N 43/56** ( 2006.01 )  
**A01N 51/00** ( 2006.01 )  
**A01N 53/00** ( 2006.01 )  
**A01P 3/00** ( 2006.01 )  
**A01P 5/00** ( 2006.01 )  
**A01P 7/00** ( 2006.01 )  
**A01P 21/00** ( 2006.01 )  
**C12N 1/04** ( 2006.01 )  
**C12N 1/20** ( 2006.01 )  
**(87)** WO2018/067815

**(31)** 62/404,275 **(32)** 05.10.16 **(33)** US  
**(43)** 12.04.2018  
**(44)** 30.09.2021  
**(72)** Van Der Lelie, Daniel; Taghavi, Safiyh; Spadafora, Vincent James; Fudali-Alves, Sylwia Lidia; Caldwell, Nathan; Pye, Matthew Francis; Obel, Anders; Albright, Robert B.; Wang, Guozhi; Tirrell, Chelsea Eileen; Petersen, Gorm Vang; Lee, Jaeheon; Devine, Anthony; McLeod, Roderick G.; Brost, Kevin R.J.; Kibbee, John E.  
**(74)** Houlihan<sup>2</sup> Pty Ltd

**Frazer, T. see Desmarais, K.**  
**(21)** 2017325569

**(71)** FRED HUTCHINSON CANCER RESEARCH CENTER  
**(11)** AU-B-2018271280  
**(21)** 2018271280 **(22)** 27.11.2018  
**(54)** Expansion and engraftment of stem cells using Notch 1 and/or Notch 2 agonists  
**(51)** Int. Cl.  
**C12N 5/0789** ( 2010.01 )  
**(43)** 20.12.2018  
**(44)** 30.09.2021  
**(62)** 2015271689  
**(72)** Bernstein, Irwin D.  
**(74)** Griffith Hack

**(71)** FUJIFILM Business Innovation Corp.  
**(11)** AU-B-2020202720  
**(21)** 2020202720 **(22)** 23.04.2020  
**(54)** Information processing apparatus, information processing program, and three-dimensional modeling system  
**(51)** Int. Cl.  
**G06T 17/00** ( 2006.01 )  
**B29C 64/00** ( 2017.01 )  
**(31)** 2019-203456 **(32)** 08.11.19 **(33)** JP  
**(43)** 27.05.2021  
**(44)** 30.09.2021  
**(72)** Isobe, Kimihiko  
**(74)** Shelston IP Pty Ltd.

**(71)** Fujitsu General Limited  
**(11)** AU-B-2019211903  
**(21)** 2019211903 **(22)** 25.01.2019  
**(54)** Electrical component module  
**(51)** Int. Cl.  
**F24F 1/22** ( 2011.01 )  
**F24F 1/24** ( 2011.01 )  
**H05K 7/14** ( 2006.01 )  
**H05K 7/20** ( 2006.01 )  
**(87)** WO2019/146766  
**(31)** 2019-010446 **(32)** 24.01.19 **(33)** JP  
 2018-011161 26.01.18 JP  
**(43)** 01.08.2019  
**(44)** 30.09.2021  
**(72)** HIKA, Yasushi; HATAKEYAMA, Yukine; SUGAWARA, Yuri; MASAGO, Hideki  
**(74)** Shelston IP Pty Ltd.

**(71)** Gen-Probe Incorporated  
**(11)** AU-B-2019201301  
**(21)** 2019201301 **(22)** 25.02.2019  
**(54)** Compositions and methods for detecting BV-associated bacterial nucleic acid  
**(51)** Int. Cl.  
**C12Q 1/68** ( 2006.01 )  
**(43)** 14.03.2019  
**(44)** 30.09.2021  
**(62)** 2016250496  
**(72)** GETMAN, Damon Kittredge  
**(74)** FB Rice Pty Ltd

**(71)** Geremia, G.  
**(11)** AU-B-2016381551  
**(21)** 2016381551 **(22)** 30.12.2016  
**(54)** Handle for sports or work equipment and equipment comprising the handle  
**(51)** Int. Cl.  
**A63B 49/08** ( 2006.01 )  
**A63B 53/14** ( 2006.01 )  
**A63B 60/12** ( 2015.01 )  
**B25G 1/00** ( 2006.01 )  
**A63B 102/02** ( 2015.01 )  
**A63B 102/04** ( 2015.01 )  
**A63B 102/06** ( 2015.01 )  
**A63B 102/16** ( 2015.01 )  
**A63B 102/18** ( 2015.01 )  
**(87)** WO2017/115325  
**(31)** 102015000089326 **(32)** 30.12.15 **(33)** IT  
**(43)** 06.07.2017  
**(44)** 30.09.2021  
**(72)** Geremia, Gianluca  
**(74)** Madderns Pty Ltd

**(71)** GE Video Compression, LLC  
**(11)** AU-B-2020244429  
**(21)** 2020244429 **(22)** 29.09.2020  
**(54)** Coding concept allowing parallel processing, transport demultiplexer and video bitstream  
**(51)** Int. Cl.  
**H04N 19/00** ( 2014.01 )  
**(43)** 29.10.2020  
**(44)** 30.09.2021  
**(62)** 2019226180  
**(72)** SCHIERL, Thomas; GEORGE, Valeri; GRUENBERG, Karsten; KIRCHHOFER, Heiner; HENKEL, Anastasia; MARPE, Detlev  
**(74)** Griffith Hack

**(71)** Global Software Innovation Pty Ltd  
**(11)** AU-B-2017214759  
**(21)** 2017214759 **(22)** 31.01.2017  
**(54)** Graph-based operations on an entity-relationship database  
**(51)** Int. Cl.  
**G06F 16/21** ( 2019.01 )  
**G06F 16/22** ( 2019.01 )  
**G06F 16/28** ( 2019.01 )  
**(87)** WO2017/132717  
**(31)** 2016900307 **(32)** 01.02.16 **(33)** AU  
**(43)** 10.08.2017  
**(44)** 30.09.2021  
**(72)** Aylett, Peter Kyra; Quint, David Gregory; Jacobs, Darren; Carabella,

Applications Accepted - Name Index cont'd

Nino; Sharma, Anurag; Walker, Diana  
Sandra; Hopwood, Scott  
**(74)** Spruson & Ferguson

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**(71)** Goli Nutrition Inc.  
**(11)** AU-B-2019356037  
**(21)** 2019356037 **(22)** 13.11.2019  
**(54)** Apple cider vinegar nutritional supplement  
**(51)** Int. Cl.  
**A23L 2/38** ( 2006.01 )  
**(31)** 62/832,870 **(32)** 11.04.19 **(33)** US  
62/832,869 11.04.19 US  
62/842,945 03.05.19 US  
**(43)** 29.10.2020  
**(44)** 30.09.2021  
**(72)** HOFFMAN, Sharon; BITENSKY, Michael; KORNER-BITENSKY, Nicol; DAHM, Olivia Joan; AGARWAL, Deepak; TYRE, Roger Arthur  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** Google LLC  
**(11)** AU-B-2018429394  
**(21)** 2018429394 **(22)** 29.06.2018  
**(54)** Media source measurement for incorporation into a censored media corpus  
**(51)** Int. Cl.  
**G06F 16/954** ( 2019.01 )  
**(87)** WO2020/005295  
**(43)** 02.01.2020  
**(44)** 30.09.2021  
**(72)** PETERSON, Scott  
**(74)** Spruson & Ferguson

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**(71)** GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.  
**(11)** AU-B-2018411307  
**(21)** 2018411307 **(22)** 02.03.2018  
**(54)** Wireless communication method and device  
**(51)** Int. Cl.  
**H04W 24/10** ( 2009.01 )  
**(87)** WO2019/165638  
**(43)** 06.09.2019  
**(44)** 30.09.2021  
**(72)** SHI, Zhihua; CHEN, Wenhong  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** Gynesonics, Inc.  
**(11)** AU-B-2017212365  
**(21)** 2017212365 **(22)** 24.01.2017  
**(54)** Disposable sheath for ultrasound probe mounted on reusable needle structure  
**(51)** Int. Cl.  
**A61B 8/00** ( 2006.01 )  
**A61B 8/08** ( 2006.01 )  
**A61B 8/12** ( 2006.01 )  
**A61B 17/00** ( 2006.01 )  
**A61B 17/34** ( 2006.01 )  
**A61B 18/00** ( 2006.01 )  
**A61B 18/18** ( 2006.01 )  
**(87)** WO2017/132153  
**(31)** 62/287,818 **(32)** 27.01.16 **(33)** US  
**(43)** 03.08.2017

**(44)** 30.09.2021  
**(72)** Placek, Brian  
**(74)** Spruson & Ferguson

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**(71)** Hackensack University Medical Center  
**(11)** AU-B-2015226976  
**(21)** 2015226976 **(22)** 06.03.2015  
**(54)** Fibroblast growth factor-2 (FGF2) and syndecan-1 (SDC1) as biomarkers for poor outcome Hodgkin lymphoma patients  
**(51)** Int. Cl.  
**C12Q 1/68** ( 2006.01 )  
**(87)** WO2015/134893  
**(31)** 61/949,629 **(32)** 07.03.14 **(33)** US  
**(43)** 11.09.2015  
**(44)** 30.09.2021  
**(72)** Suh, Stephen; Goy, Andre  
**(74)** Spruson & Ferguson

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**(71)** Haddock, D.  
**(11)** AU-B-2019271876  
**(21)** 2019271876 **(22)** 25.11.2019  
**(54)** RIB MOUNTING DEVICE WITH PIVOTING INSERT  
**(51)** Int. Cl.  
**E04D 13/10** ( 2006.01 )  
**F24S 20/70** ( 2018.01 )  
**(43)** 12.12.2019  
**(44)** 30.09.2021  
**(62)** 2014257326  
**(72)** Haddock, Dustin M.M.  
**(74)** Phillips Ormonde Fitzpatrick

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**(71)** HapInScience Inc.  
**(11)** AU-B-2017403257  
**(21)** 2017403257 **(22)** 06.03.2017  
**(54)** Composition for skin aging measurement, prevention, or alleviation, using HAPLN1  
**(51)** Int. Cl.  
**G01N 33/68** ( 2006.01 )  
**A23L 33/17** ( 2016.01 )  
**A61K 8/64** ( 2006.01 )  
**A61K 8/73** ( 2006.01 )  
**A61K 31/728** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
**A61Q 19/08** ( 2006.01 )  
**C12Q 1/68** ( 2018.01 )  
**G01N 33/50** ( 2006.01 )  
**(87)** WO2018/164290  
**(43)** 13.09.2018  
**(44)** 30.09.2021  
**(72)** Kim, Dae Kyong; Fu, Zhicheng; Back, Moon Jung  
**(74)** FB Rice Pty Ltd

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**(71)** Harris Global Communications, Inc.  
**(11)** AU-B-2020202882  
**(21)** 2020202882 **(22)** 30.04.2020  
**(54)** SYSTEMS AND METHODS FOR COMPUTING A SUSTAINABLE RATE FOR BROADCAST TRAFFIC IN A NETWORK  
**(51)** Int. Cl.  
**H04W 40/00** ( 2009.01 )  
**H04B 7/14** ( 2006.01 )

**H04L 29/00** ( 2006.01 )  
**(31)** 16/420,340 **(32)** 23.05.19 **(33)** US  
**(43)** 10.12.2020  
**(44)** 30.09.2021  
**(72)** Athuraliya, Sanjeeva  
**(74)** Maxwells Patent & Trade Mark Attorneys Pty Ltd

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**(71)** Hayward Industries, Inc  
**(11)** AU-B-2020202030  
**(21)** 2020202030 **(22)** 20.03.2020  
**(54)** Power supplies for pool and spa equipment  
**(51)** Int. Cl.  
**E04H 4/16** ( 2006.01 )  
**H01P 1/00** ( 2006.01 )  
**H02J 5/00** ( 2006.01 )  
**(43)** 09.04.2020  
**(44)** 30.09.2021  
**(62)** 2018211302  
**(72)** Potucek, Kevin L.; Willis, Dennis; Sumonthee, Jeffrey; Renaud, Benoit J.; Philhower, Douglas H.; Forsythe, Patrick J.; Normyle, William M.  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** HELLA GmbH & Co. KGaA  
**(11)** AU-B-2020374239  
**(21)** 2020374239 **(22)** 15.10.2020  
**(54)** Headlight for vehicles  
**(51)** Int. Cl.  
**F21S 41/143** ( 2018.01 )  
**F21S 41/32** ( 2018.01 )  
**F21S 41/33** ( 2018.01 )  
**F21S 41/36** ( 2018.01 )  
**F21S 41/365** ( 2018.01 )  
**(87)** WO2021/083672  
**(31)** 10 2019 129 100.3 **(32)** 29.10.19 **(33)** DE  
**(43)** 06.05.2021  
**(44)** 30.09.2021  
**(72)** BERGER, Gerhard; KERSCHBAUM-MAYR, Raimund; HOCHWARTER, Daniel  
**(74)** Spruson & Ferguson

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**(71)** Henkel AG & Co. KGaA  
**(11)** AU-B-2017317564  
**(21)** 2017317564 **(22)** 24.08.2017  
**(54)** Detergent composition comprising GH9 endoglucanase variants I  
**(51)** Int. Cl.  
**C11D 3/386** ( 2006.01 )  
**C12N 9/42** ( 2006.01 )  
**(87)** WO2018/037065  
**(31)** 10 2016 215 867.8 **(32)** 24.08.16 **(33)** DE  
**(43)** 01.03.2018  
**(44)** 30.09.2021  
**(72)** Mußmann, Nina; Wieland, Susanne; Herbst, Daniela; Anderson, Lars; Nielsen, Jens Erik; Svendsen, Allan; Monrad, Rune Nygaard; Giger, Lars; Rao, Vasudeva P.; Dalal, Sohail; Mepadam, Santhosh Vasu; Kruse, Marie T.; Rand, Kasper D.; Jensen, Pernille F.  
**(74)** Spruson & Ferguson

Applications Accepted - Name Index cont'd

(71) Heriot-Watt University  
 (11) AU-B-2016276131  
 (21) 2016276131 (22) 10.06.2016  
 (54) Microfluidic device  
 (51) Int. Cl.  
*B01L 3/00* ( 2006.01 )  
 (87) WO2016/198880  
 (31) 1510189.2 (32) 11.06.15 (33) GB  
 (43) 15.12.2016  
 (44) 30.09.2021  
 (72) Bridle, Helen Louise; Miller, Brian  
 Maxdell  
 (74) James & Wells Intellectual Property

(71) Hexion Inc.  
 (11) AU-B-2018337640  
 (21) 2018337640 (22) 17.09.2018  
 (54) Coating composition  
 (51) Int. Cl.  
*B05D 1/02* ( 2006.01 )  
*B05D 1/30* ( 2006.01 )  
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(71) Spogen Biotech Inc.  
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 (21) 2017233034 (22) 16.03.2017  
 (54) Methods for promoting plant health using free enzymes and microorganisms that overexpress enzymes  
 (51) Int. Cl.  
*A01N 25/02* ( 2006.01 )  
*A01N 57/12* ( 2006.01 )  
*A01N 59/26* ( 2006.01 )  
*C05B 15/00* ( 2006.01 )  
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 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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 (51) Int. Cl.  
*G08B 1/08* ( 2006.01 )

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**(72)** MICHAUD, Tom; BERUBE, Michael;  
 DUNKIN, Brian; HAKINS, David;  
 TOWERY, Dwayne; HERDA, Gary  
**(74)** Griffith Hack

**(71)** Sun Yat-Sen University  
**(11)** AU-B-2019422013  
**(21)** 2019422013 **(22)** 28.08.2019  
**(54)** Solution formulation for aerosol inhalation of naringenin and preparation method thereof  
**(51)** Int. Cl.  
**A61K 9/12** ( 2006.01 )  
**(31)** 201910541928.3 **(32)** 21.06.19 **(33)** CN  
**(43)** 14.01.2021  
**(44)** 30.09.2021  
**(72)** GUAN, Minyi; SU, Weiwei; YAO, Hongliang  
**(74)** Madderns Pty Ltd

**(71)** Sustainable Marine Energy Limited  
**(11)** AU-B-2017208808  
**(21)** 2017208808 **(22)** 20.01.2017  
**(54)** Marine power generation system  
**(51)** Int. Cl.  
**F03B 13/10** ( 2006.01 )  
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**(31)** 1604742.5 **(32)** 21.03.16 **(33)** GB  
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**(74)** Pini IP

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**(54)** Treatment for tumors driven by metabolic dysfunction  
**(51)** Int. Cl.  
**A61K 47/65** ( 2017.01 )  
**A61P 3/00** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Takeda Pharmaceutical Company Limited  
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**(21)** 2020203565 **(22)** 29.05.2020  
**(54)** Method of Producing Recombinant ADAMTS13 in Cell Culture  
**(51)** Int. Cl.

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**A61K 38/36** ( 2006.01 )  
**C07K 14/745** ( 2006.01 )  
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**(74)** WRAYS PTY LTD

**(71)** TAO, G.; ZHANG, W.  
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**(51)** Int. Cl.  
**A61G 5/08** ( 2006.01 )  
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**(43)** 17.10.2019  
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**(72)** TAO, Guomin  
**(74)** Madderns Pty Ltd

**(71)** Telefonaktiebolaget LM Ericsson (Publ)  
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**(21)** 2019249939 **(22)** 05.04.2019  
**(54)** UE controlled handling of the security policy for user plane protection in 5G systems  
**(51)** Int. Cl.  
**H04W 12/10** ( 2009.01 )  
**H04W 8/22** ( 2009.01 )  
**H04L 29/06** ( 2006.01 )  
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**(44)** 30.09.2021  
**(72)** BEN HENDA, Noamen; SCHLI-WA-BERTLING, Paul; HEDMAN, Peter; WIFVESSON, Monica  
**(74)** AJ PARK

**(71)** Theator Inc.  
**(11)** AU-B-2020224128  
**(21)** 2020224128 **(22)** 20.02.2020  
**(54)** Systems and methods for analysis of surgical videos  
**(51)** Int. Cl.  
**G16H 20/40** ( 2018.01 )  
**G16H 30/40** ( 2018.01 )  
**G16H 50/20** ( 2018.01 )  
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**(31)** 62/808,500 **(32)** 21.02.19 **(33)** US  
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 62/960,466 13.01.20 US  
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**(43)** 27.08.2020  
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**(74)** Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

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**(54)** Real-time galley power management and fault monitoring system  
**(51)** Int. Cl.  
**H02H 1/00** ( 2006.01 )  
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**(43)** 07.09.2017  
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**(72)** FERRER, Alberto; KUMAR, Anil; RAYAPROLU, Kesav R.  
**(74)** Spruson & Ferguson

**(71)** The Boeing Company  
**(11)** AU-B-2017202241  
**(21)** 2017202241 **(22)** 05.04.2017  
**(54)** System for analysis of a repair for a structure  
**(51)** Int. Cl.  
**G05B 19/4097** ( 2006.01 )  
**B29C 64/393** ( 2017.01 )  
**B33Y 50/00** ( 2015.01 )  
**B64F 5/40** ( 2017.01 )  
**G05B 19/4093** ( 2006.01 )  
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**(43)** 18.01.2018  
**(44)** 30.09.2021  
**(72)** RIDGEWAY, Larry Dean; OAKES, Gary D.; KRISHNASWAMY, Pradeep; STAAL, R Emmelt Andrew  
**(74)** Spruson & Ferguson

**(71)** The Boeing Company  
**(11)** AU-B-2017204226  
**(21)** 2017204226 **(22)** 22.06.2017  
**(54)** Electrostatic dissipative compositions and methods thereof  
**(51)** Int. Cl.  
**C09D 5/46** ( 2006.01 )  
**C09K 3/16** ( 2006.01 )  
**(31)** 15/252,029 **(32)** 30.08.16 **(33)** US  
**(43)** 15.03.2018  
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**(74)** FB Rice Pty Ltd

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**(11)** AU-B-2020200863  
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**(54)** Development of mutations useful for attenuating dengue viruses and chimeric dengue viruses  
**(51)** Int. Cl.  
**C12Q 1/68** ( 2006.01 )  
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 (74) FB Rice Pty Ltd

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(54) Glucuronide prodrugs of Janus kinase inhibitors

(51) Int. Cl.  
*C07D 487/04* ( 2006.01 )  
*A61K 31/519* ( 2006.01 )  
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*C07H 15/26* ( 2006.01 )

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 (74) Davies Collision Cave Pty Ltd

(71) Think One Pty Ltd  
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 (21) 2015342729 (22) 06.11.2015

(54) Container with press button opening

(51) Int. Cl.  
*B65D 47/28* ( 2006.01 )  
*A47G 19/22* ( 2006.01 )  
*B65D 47/24* ( 2006.01 )

(87) WO2016/070234  
 (31) 2014904488 (32) 07.11.14 (33) AU

(43) 12.05.2016  
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 (72) Young, Benjamin James  
 (74) Houlihan<sup>2</sup> Pty Ltd

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 (21) 2018264756 (22) 05.04.2018

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(51) Int. Cl.  
*B02C 4/28* ( 2006.01 )  
*B02C 4/40* ( 2006.01 )

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 (31) 10 2017 208 014.0 (32) 11.05.17 (33) DE

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 (72) Schroers, Frank  
 (74) Griffith Hack

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 (21) 2020202206 (22) 27.03.2020  
 (54) Optical element and information recording medium for counterfeit prevention

(51) Int. Cl.  
*G02B 5/18* ( 2006.01 )  
*B42D 25/328* ( 2014.01 )  
*B42D 25/342* ( 2014.01 )

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 (72) YASHIKI, Kazuhiro  
 (74) Griffith Hack

(71) Toray Industries, Inc.

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(51) Int. Cl.  
*C12N 9/42* ( 2006.01 )  
*C12N 1/15* ( 2006.01 )  
*C12N 1/19* ( 2006.01 )  
*C12N 1/21* ( 2006.01 )  
*C12N 5/00* ( 2006.01 )  
*C12N 15/09* ( 2006.01 )  
*C12P 19/14* ( 2006.01 )

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 (74) Davies Collision Cave Pty Ltd

(71) Transocean Innovation Labs Ltd

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 (21) 2016356783 (22) 17.11.2016

(54) Reliability assessable systems for actuating hydraulically actuated devices and related methods

(51) Int. Cl.  
*F15B 1/033* ( 2006.01 )  
*E21B 33/03* ( 2006.01 )  
*E21B 33/035* ( 2006.01 )  
*E21B 33/038* ( 2006.01 )  
*E21B 33/064* ( 2006.01 )  
*F15B 1/00* ( 2006.01 )

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 (74) Griffith Hack

(71) Transtech Research Pty Ltd

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(54) DEVICE SUITABLE FOR SUPPORTING A FREIGHT RESTRAINT

(51) Int. Cl.  
*B60P 7/06* ( 2006.01 )  
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(43) 04.05.2017  
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 (72) McNaulty, Daniel David; King, Eric Charles Bright  
 (74) Phillips Ormonde Fitzpatrick

(71) Truma Gerätetechnik GmbH & Co. KG  
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(21) 2019323649 (22) 20.08.2019  
 (54) End line assembly for a heating device of a vehicle fit for habitation

(51) Int. Cl.  
*B60H 1/22* ( 2006.01 )  
*F23L 17/04* ( 2006.01 )

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 (72) BARTUSEL, Jens; JÄGER, Markus  
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(71) United States Gypsum Company

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(54) Composite gypsum board and methods related thereto

(51) Int. Cl.  
*B32B 7/02* ( 2006.01 )  
*B32B 13/02* ( 2006.01 )  
*B32B 13/04* ( 2006.01 )  
*B32B 13/08* ( 2006.01 )  
*B32B 13/14* ( 2006.01 )  
*C04B 28/14* ( 2006.01 )  
*E04C 2/04* ( 2006.01 )  
*C04B 111/00* ( 2006.01 )

(87) WO2016/209942  
 (31) 62/290,361 (32) 02.02.16 (33) US

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 (74) James & Wells Intellectual Property

(71) University of Leicester

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 (21) 2017225337 (22) 21.02.2017

(54) Urine weighing apparatus

(51) Int. Cl.  
*A61B 5/20* ( 2006.01 )  
*A61B 5/00* ( 2006.01 )

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 (31) 1603449.8 (32) 29.02.16 (33) GB

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 (74) Phillips Ormonde Fitzpatrick

(71) University of the Sunshine Coast

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(54) Chlamydia antigens and uses thereof

(51) Int. Cl.  
*C07K 14/295* ( 2006.01 )



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**(72)** Timms, Peter  
**(74)** IP Gateway Patent and Trade Mark Attorneys Pty Ltd

**(71)** UPM-Kymmene Corporation  
**(11)** AU-B-2017272957  
**(21)** 2017272957 **(22)** 01.06.2017  
**(54)** A method and an apparatus for an enzymatic hydrolysis, a liquid fraction and a solid fraction  
**(51)** Int. Cl.  
**C12P 19/00** ( 2006.01 )  
**C12M 1/40** ( 2006.01 )  
**C12P 19/02** ( 2006.01 )  
**(87)** WO2017/207877  
**(31)** 20165466 **(32)** 03.06.16 **(33)** FI  
**(43)** 07.12.2017  
**(44)** 30.09.2021  
**(72)** Tamper, Juha; Turunen, Sami  
**(74)** Shelston IP Pty Ltd.

**(71)** Valluga Holdings Pty Ltd  
**(11)** AU-B-2017351746  
**(21)** 2017351746 **(22)** 31.10.2017  
**(54)** Lifting system with lifting device and cantilevered support platform  
**(51)** Int. Cl.  
**A61G 7/14** ( 2006.01 )  
**(87)** WO2018/076076  
**(31)** 2017902474 **(32)** 27.06.17 **(33)** AU  
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**(43)** 03.05.2018  
**(44)** 30.09.2021  
**(72)** Gillespie, Bruce Rome  
**(74)** Phillips Ormonde Fitzpatrick

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**(54)** Use of a porous capillary membrane for determining the amount of rolling circle amplification products  
**(51)** Int. Cl.  
**C12Q 1/68** ( 2006.01 )  
**(87)** WO2016/174649  
**(31)** 1507376.0 **(32)** 30.04.15 **(33)** GB  
**(43)** 03.11.2016  
**(44)** 30.09.2021  
**(72)** Ohman, Ove; Persson, Fredrik; Howell, Mathias  
**(74)** FPA Patent Attorneys Pty Ltd

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**(54)** Programmable logic controller-based system and user interface for air sampling in controlled environments  
**(51)** Int. Cl.  
**F24F 11/50** ( 2018.01 )  
**G01N 33/00** ( 2006.01 )  
**(43)** 16.04.2020

**(44)** 30.09.2021  
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**(72)** KOCHER, Nathan G.  
**(74)** Cotters Patent & Trade Mark Attorneys

**(71)** Verb Surgical Inc.  
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**(54)** Virtual reality training, simulation, and collaboration in a robotic surgical system  
**(51)** Int. Cl.  
**G16H 20/40** ( 2018.01 )  
**A61B 34/00** ( 2016.01 )  
**G16H 40/67** ( 2018.01 )  
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**(31)** 16/019,132 **(32)** 26.06.18 **(33)** US  
 62/526,919 29.06.17 US  
**(43)** 03.01.2019  
**(44)** 30.09.2021  
**(72)** Garcia Kilroy, Pablo Eduardo; Johnson, Eric Mark; Siu, Bernard Fai Kin; Yu, Haoran  
**(74)** Spruson & Ferguson

**(71)** Verinata Health, Inc.  
**(11)** AU-B-2019200163  
**(21)** 2019200163 **(22)** 10.01.2019  
**(54)** Detecting and classifying copy number variation  
**(51)** Int. Cl.  
**C12Q 1/68** ( 2006.01 )  
**(43)** 31.01.2019  
**(44)** 30.09.2021  
**(62)** 2016262641  
**(72)** RAVA, Richard P.; CHINNAPPA, Manjula; COMSTOCK, David A.; SRINIVASAN, Anupama  
**(74)** Spruson & Ferguson

**(71)** VIDEO GAMING TECHNOLOGIES, INC.  
**(11)** AU-B-2020201640  
**(21)** 2020201640 **(22)** 05.03.2020  
**(54)** Gaming machine with a curved display  
**(51)** Int. Cl.  
**A63F 13/00** ( 2006.01 )  
**(43)** 19.03.2020  
**(44)** 30.09.2021  
**(62)** 2014373841  
**(72)** HENNESSY, Edward; CUDDY, Ryan; SPRINKLE, Jason Todd; MELLENDER, Paul W.  
**(74)** Griffith Hack

**(71)** W. L. Gore & Associates, Inc.  
**(11)** AU-B-2017422655  
**(21)** 2017422655 **(22)** 07.07.2017  
**(54)** Stomach lining funnel with anastomosis  
**(51)** Int. Cl.  
**A61B 17/11** ( 2006.01 )  
**(87)** WO2019/009918  
**(43)** 10.01.2019  
**(44)** 30.09.2021  
**(72)** ZHANG, Ji; ESKAROS, Sherif A.; MOONEY, Nathan K.  
**(74)** Griffith Hack

**(71)** W. L. Gore & Associates, Inc.  
**(11)** AU-B-2018362080  
**(21)** 2018362080 **(22)** 12.09.2018  
**(54)** Valved conduit  
**(51)** Int. Cl.  
**A61F 2/24** ( 2006.01 )  
**(87)** WO2019/089137  
**(31)** 16/129,673 **(32)** 12.09.18 **(33)** US  
 62/579,752 31.10.17 US  
**(43)** 09.05.2019  
**(44)** 30.09.2021  
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**(74)** Griffith Hack

**(71)** Waterborne Skateboards, Inc.  
**(11)** AU-B-2019204565  
**(21)** 2019204565 **(22)** 27.06.2019  
**(54)** TRUCK CARRYING ADAPTER FOR SKATEBOARD  
**(51)** Int. Cl.  
**A63C 17/01** ( 2006.01 )  
**(31)** 16/047,951 **(32)** 27.07.18 **(33)** US  
**(43)** 13.02.2020  
**(44)** 30.09.2021  
**(72)** Dumas, Patrick Lee  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Whirlpool Corporation  
**(11)** AU-B-2016253709  
**(21)** 2016253709 **(22)** 07.11.2016  
**(54)** COFFEE GRINDER WITH INTEGRATED SCALE  
**(51)** Int. Cl.  
**A47J 42/40** ( 2006.01 )  
**G01G 15/00** ( 2006.01 )  
**(31)** 14/944,679 **(32)** 18.11.15 **(33)** US  
**(43)** 01.06.2017  
**(44)** 30.09.2021  
**(72)** Beber, Kevin; Rellis, Daniel  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Wincor Nixdorf International GmbH  
**(11)** AU-B-2019279985  
**(21)** 2019279985 **(22)** 11.12.2019  
**(54)** Trusted terminal platform  
**(51)** Int. Cl.  
**G06F 21/83** ( 2013.01 )  
**G06F 21/86** ( 2013.01 )  
**G06Q 20/20** ( 2012.01 )  
**G07F 19/00** ( 2006.01 )

**(43)** 16.01.2020  
**(44)** 30.09.2021  
**(62)** 2014224656  
**(72)** NOLTE, Michael; ZAVADSKY, Valdemar  
**(74)** Griffith Hack

**(71)** Yamaha Hatsudoki Kabushiki Kaisha  
**(11)** AU-B-2018316010  
**(21)** 2018316010 **(22)** 10.08.2018  
**(54)** Visual line movement-related value acquisition device, transport apparatus equipped with same, and visual line

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movement-related value acquisition method  
**(51)** Int. Cl.  
**G06F 3/01** ( 2006.01 )  
**A61B 3/113** ( 2006.01 )  
**A61B 5/11** ( 2006.01 )  
**A61B 5/16** ( 2006.01 )  
**A61B 5/18** ( 2006.01 )  
**B60W 40/08** ( 2012.01 )  
**B60W 50/08** ( 2012.01 )  
**G06K 9/00** ( 2006.01 )  
**(87)** WO2019/031599  
**(31)** 2017-155947 **(32)** 10.08.17 **(33)** JP  
**(43)** 14.02.2019  
**(44)** 30.09.2021  
**(72)** MORISHIMA, Keisuke; YAMANAKA, Kimihiro; CHIHARA, Takanori  
**(74)** FPA Patent Attorneys Pty Ltd

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**(11)** AU-B-2016322503  
**(21)** 2016322503 **(22)** 12.09.2016  
**(54)** Mobile application based account aggregation  
**(51)** Int. Cl.  
**G06F 15/163** ( 2006.01 )  
**(87)** WO2017/048634  
**(31)** 14/853,023 **(32)** 14.09.15 **(33)** US  
**(43)** 23.03.2017  
**(44)** 30.09.2021  
**(72)** Kumar, Kirti; Nagaraj, Vinay  
**(74)** Spruson & Ferguson

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**(71)** Yoshino Gypsum Co., Ltd.  
**(11)** AU-B-2018345082  
**(21)** 2018345082 **(22)** 01.10.2018  
**(54)** Gypsum-based investment material composition for casting, and method for manufacturing gypsum-based investment material composition for casting  
**(51)** Int. Cl.  
**B22C 1/08** ( 2006.01 )  
**A61C 13/20** ( 2006.01 )  
**B22C 7/02** ( 2006.01 )  
**C04B 14/06** ( 2006.01 )  
**C04B 24/02** ( 2006.01 )  
**C04B 28/14** ( 2006.01 )  
**(87)** WO2019/069874  
**(31)** 2017-195194 **(32)** 05.10.17 **(33)** JP  
**(43)** 11.04.2019  
**(44)** 30.09.2021  
**(72)** HORIUCHI, Tatsuya; SUGANO, Kenichi  
**(74)** Spruson & Ferguson

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**(71)** Zeltiq Aesthetics, Inc.  
**(11)** AU-B-2017206118  
**(21)** 2017206118 **(22)** 06.01.2017  
**(54)** Temperature-dependent adhesion between applicator and skin during cooling of tissue  
**(51)** Int. Cl.  
**A61F 7/00** ( 2006.01 )  
**A61F 7/02** ( 2006.01 )  
**A61F 13/02** ( 2006.01 )  
**(87)** WO2017/120538  
**(31)** 62/276,131 **(32)** 07.01.16 **(33)** US  
**(43)** 13.07.2017

**(44)** 30.09.2021  
**(72)** Debenedictis, Leonard C.; Zeng, Like; Frangineas Jr., George; Jimenez Lozano, Joel N.  
**(74)** Spruson & Ferguson

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**ZHANG, W. see TAO, G.**  
**(21)** 2018418625

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**(71)** ZHU, A.  
**(11)** AU-B-2018344778  
**(21)** 2018344778 **(22)** 08.10.2018  
**(54)** A noise-reduction air tube microphone, noise-reduction anti-radiation headset and noise-reduction anti-radiation Bluetooth headset  
**(51)** Int. Cl.  
**H04R 1/10** ( 2006.01 )  
**(87)** WO2019/068238  
**(31)** 201710956548.7 **(32)** 05.10.17 **(33)** CN  
**(43)** 11.04.2019  
**(44)** 30.09.2021  
**(72)** ZHU, Aidao  
**(74)** LAMINAR IP PTY LTD

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2014375206	Koninklijke Philips N.V.	2017204226	The Boeing Company
2015226976	Hackensack University Medical Center	2017206118	Zeltiq Aesthetics, Inc.
2015279794	Illumina, Inc.	2017206718	SynDevRx, Inc.
2015342729	Think One Pty Ltd	2017207827	Magic Leap, Inc.
2015344324	Toray Industries, Inc.	2017208808	Sustainable Marine Energy Limited
2015356788	King's College London	2017212365	Gynesonics, Inc.
2015360496	Bayer HealthCare LLC	2017212840	BECOFLEX
2015365606	Neuro-Bio Ltd	2017214537	Airponix Ltd
2015410634	Kimberly-Clark Worldwide, Inc.	2017214759	Global Software Innovation Pty Ltd
2016203617	Elmer's Welding & Manufacturing Ltd.	2017218619	Aeronet Global Communications Labs DAC
2016204675	Azuma Design Pty Limited	2017219037	Rohm and Haas Company
2016213751	Joy Global Underground Mining LLC	2017219626	Qualcomm Incorporated
2016219513	Phasebio Pharmaceuticals, Inc.	2017225101	Pall Corporation
2016220612	Purac Biochem B.V.	2017225337	University of Leicester
2016225203	Seatriever International Holdings Limited	2017225810	Novomatic AG
2016227607	Mesoblast International Sarl	2017227408	Samsung Electronics Co., Ltd.
2016243120	ImmunityBio, Inc.	2017227902	SICPA HOLDING SA
2016244280	Transtech Research Pty Ltd	2017228989	Magic Leap, Inc.
2016253709	Whirlpool Corporation	2017232167	Bouygues Travaux Publics
2016254150	IDEXX Laboratories, Inc.	2017233034	Spogen Biotech Inc.
2016255964	Vanadis Diagnostics	2017234371	ShooAway Pty Ltd
2016265050	Connan, H.	2017235887	K2M, Inc.
2016266055	The Boeing Company	2017239527	CNH Industrial America LLC
2016276131	Heriot-Watt University	2017244200	EZ Male Pads, Incorporated
2016278511	Clinical Laserthermia Systems GmbH	2017246455	BIAL – BioTech Investments, Inc.
2016281465	Organoclick AB	2017252132	Ripple Foods, PBC
2016284331	United States Gypsum Company	2017254687	Bioventures, LLC.
2016285720	Abraxis Bioscience, LLC	2017258750	Sorrento Therapeutics, Inc.
2016287779	Maher, J.	2017263620	Meiji Co., Ltd.
2016291205	Chart Energy & Chemicals, Inc.	2017263714	Commonwealth Scientific and Industrial Research Organisation; The Boeing Company
2016302009	Eisai R&D Management Co., Ltd.	2017264868	Isolynx, LLC
2016310476	Ipsen Biopharm Ltd.	2017267672	Depuy Ireland Unlimited Company
2016312007	Beijing Handian Pharmaceutical Co., Ltd.	2017269746	BASF SE
2016312955	Ansell Limited	2017272957	UPM-Kymmene Corporation
2016314142	Lucas Holdings (Queensland) Pty. Ltd.	2017275180	Kao Corporation
2016317020	CommScope Technologies LLC	2017286891	PayPal, Inc.
2016317839	BNSF Railway Company	2017295096	NTT DoCoMo, Inc.
2016317860	Scoperta, Inc.	2017301437	Molecular Imprints, Inc.
2016321015	Astellas Pharma Inc.; Kyoto University	2017302388	Exeger Operations AB
2016322503	Yodlee, Inc.	2017304556	Samsung Electronics Co., Ltd.
2016324039	Magic Leap, Inc.	2017305425	Chevron U.S.A. Inc.
2016325507	Poggi, P.	2017308812	Sharp Kabushiki Kaisha; FG Innovation Company Limited
2016330469	Longyear TM, Inc.	2017309382	Ellipse World S.A.
2016334247	Apellis Pharmaceuticals, Inc.	2017311151	Sharp Kabushiki Kaisha; FG Innovation Company Limited
2016335959	Smith & Nephew, Inc.	2017311592	Qualcomm Incorporated
2016338401	K2M, Inc.	2017317564	Henkel AG & Co. KGaA
2016338436	Mighty Oak Medical, Inc.	2017324906	Linde Aktiengesellschaft
2016344321	Enphase Energy, Inc.	2017325569	Desmarais, K.; Carpenter, T.; Carpenter, C.A.; Beech- inor, M.R.; Frazer, T.; Belcourt, B.; Bouchier, E.
2016344428	CareFusion 303, Inc.	2017330468	Fluid Handling LLC
2016348912	Embody Orthopaedic Limited	2017334941	Qualcomm Incorporated
2016349937	University of the Sunshine Coast	2017338911	Board of Regents, The University of Texas System
2016355654	ChemoCentryx, Inc.	2017339104	Oxford Drug Design Limited
2016356783	Transocean Innovation Labs Ltd	2017340017	Huhtamaki Molded Fiber Technology B.V.
2016357756	Provi, Inc.	2017340623	FMC Corporation
2016365760	Lestido Sarasola, J.M.	2017342682	Husqvarna AB
2016366165	Electrochemical Oxygen Concepts, Inc.	2017343384	Saneca Pharmaceuticals A.S.
2016367430	Alcon Inc.	2017343991	Microsoft Technology Licensing, LLC
2016369258	Reyes, H.	2017351746	Valluga Holdings Pty Ltd
2016369404	PhotoCure ASA	2017351956	Biohm Limited
2016378723	Shy Therapeutics LLC	2017359844	Impact Therapeutics, Inc
2016379168	Cummins Filtration IP, Inc.	2017365177	Dow AgroSciences LLC
2016381551	Geremia, G.	2017367089	BNNT, LLC
2016406387	Art Medical Ltd.	2017376444	Amgen Inc.
2016415948	Alcon Inc.	2017376445	Amgen Inc.
2016426610	Skel-Ex Holding B.V.		
2017200615	Knog Pty Ltd		
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2017403257	HapInScience Inc.	2019251104	Boston Scientific Scimed, Inc.
2017417562	Amadeus S.A.S.	2019257573	Covidien LP
2017422655	W. L. Gore & Associates, Inc.	2019259443	Eurofilters Holding N.V.
2018202047	Solarwinds Worldwide, LLC	2019261707	Société des Produits Nestlé S.A.
2018202767	Adobe Inc.	2019267311	Nemo Power Tools Ltd.
2018211138	Nutri Co., Ltd.	2019268125	Aristocrat Technologies Australia Pty Limited
2018223713	Casale SA	2019271876	Haddock, D.
2018226404	Adobe Inc.	2019272212	Huawei Technologies Co., Ltd.
2018226928	China Petroleum & Chemical Corporation; Sinopec Research Institute of Safety Engineering	2019277175	Advanced New Technologies Co., Ltd.
2018228816	Provepharm Life Solutions	2019279596	Baker Hughes Holdings LLC
2018229817	Orion Corporation	2019279985	Wincor Nixdorf International GmbH
2018235266	Richter Gedeon Nyrt.	2019280007	Strata Safety Products, LLC
2018247340	Adobe Inc.	2019282152	NEXTracker Inc.
2018248672	Korea Research Institute of Bioscience and Biotechnology	2019284090	MAKO Surgical Corp.
2018250176	DT Inventions	2019295983	Jacobio Pharmaceuticals Co., Ltd.
2018250434	BARTEC GmbH	2019312607	Carl Zeiss Meditec AG
2018255933	Novartis AG	2019322538	F. Hoffmann-La Roche AG
2018264756	thyssenkrupp Industrial Solutions AG; thyssenkrupp AG	2019323649	Truma Gerätetechnik GmbH & Co. KG
2018271280	FRED HUTCHINSON CANCER RESEARCH CENTER	2019356037	Goli Nutrition Inc.
2018273866	Theravance Biopharma R&D IP, LLC	2019359613	Micronet Co. Ltd.
2018282093	Downunder Geosolutions Pty Ltd.	2019391432	Corplex Plastics UK Ltd.
2018285599	Rhodia Operations	2019422013	Sun Yat-Sen University
2018287167	Metso Sweden AB	2019439936	Shandong University
2018294236	Verb Surgical Inc.	2020200425	Juul Labs, Inc.
2018316010	Yamaha Hatsudoki Kabushiki Kaisha	2020200528	LG Electronics Inc.
2018316918	Ishida Co., Ltd.	2020200572	Ansun Biopharma, Inc.
2018317641	Inventio AG	2020200771	Medical Enterprises Distribution, LLC
2018319105	Inventio AG	2020200863	The Government of the United States of America, as represented by the Secretary, Department of Health and Human Services
2018326599	Derrick Corporation	2020200946	MAKO Surgical Corp.
2018337640	Hexion Inc.	2020200976	Bamboo Therapeutics, Inc.
2018344778	ZHU, A.	2020201175	Apple Inc.
2018345082	Yoshino Gypsum Co., Ltd.	2020201640	VIDEO GAMING TECHNOLOGIES, INC.
2018352203	Illumina, Inc.	2020201948	Sage Therapeutics, Inc.
2018362080	W. L. Gore & Associates, Inc.	2020202030	Hayward Industries, Inc.
2018367400	Citrix Systems, Inc.	2020202115	Veltek Associates, Inc.
2018383962	Dräger Safety AG & Co. KGaA	2020202199	Fisher & Paykel Healthcare Limited
2018402082	Mitsubishi Electric Corporation	2020202206	Toppan Printing Co., Ltd.
2018407034	Komatsu Ltd.	2020202360	Cornell University
2018411307	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2020202386	Intra-Cellular Therapies, Inc.
2018415282	Essity Hygiene and Health Aktiebolag	2020202720	FUJIFILM Business Innovation Corp.
2018418625	TAO, G.; ZHANG, W.	2020202882	Harris Global Communications, Inc.
2018423921	Jiangsu QYuns Therapeutics Co., Ltd.	2020203162	Capnia, Inc.
2018424685	Shandong University of Science and Technology	2020203259	Microbide Limited
2018429394	Google LLC	2020203565	Takeda Pharmaceutical Company Limited
2018430256	Beijing Bytedance Network Technology Co., Ltd.	2020204043	Samsung Electronics Co., Ltd.
2019200143	Progress Profiles SpA	2020204346	Palo Alto Networks, Inc.
2019200163	Verinata Health, Inc.	2020210198	LIGHTBRIDGE CORPORATION
2019201301	Gen-Probe Incorporated	2020210201	Radux Devices, LLC
2019204565	Waterborne Skateboards, Inc.	2020219446	Airbus Defence and Space SAS
2019206030	Acceleron Pharma Inc.	2020220116	AMO Development, LLC
2019206062	Massachusetts Institute of Technology	2020224128	Theator Inc.
2019206115	Ninderry Developments Pty Ltd	2020230228	BEIJING BAIDU NETCOM SCIENCE AND TECHNOLOGY CO., LTD.
2019208172	Aristocrat Technologies Australia Pty Limited	2020233715	Ammonett Pharma LLC
2019208273	Bioerativ Therapeutics Inc.	2020239647	Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.
2019211273	Ranpak Corp.	2020244429	GE Video Compression, LLC
2019211903	Fujitsu General Limited	2020256294	Boehringer Ingelheim Vetmedica GmbH
2019213430	Eidgenoessische Technische Hochschule Zurich	2020256457	Melinta Subsidiary Corp.
2019216445	JAXAMO UK LIMITED	2020273304	Pall Corporation
2019217218	Fastmount Limited	2020273629	Shandong University
2019218968	4C Medical Technologies, Inc.	2020374239	HELLA GmbH & Co. KGaA
2019226229	ASSA ABLOY New Zealand Limited	2021200186	BS Systems GmbH & Co. KG
2019232769	NxThera, Inc.	2021200545	Medair Limited
2019232822	Silicon Controls Pty Ltd	2021200835	OnPoint Vision, Inc.
2019235577	Novartis AG		
2019241833	Intuit Inc.		
2019246795	Agerris Pty Ltd		
2019249939	Telefonaktiebolaget LM Ericsson (Publ)		
2019250167	ServiceNow, Inc.		

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	2017233034		2020200946	2016378723	<b><u>A61K 48 /-</u></b>
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2019246795	<b><u>A01N 63 /-</u></b>	2020256294	<b><u>A61B 90 /-</u></b>	2017254687	
	2017340623		2019257573	2017339104	<b><u>A61K 8 /-</u></b>
<b><u>A01D 41 /-</u></b>		<b><u>A47G 19 /-</u></b>		2017343384	2017403257
2017239527	<b><u>A01P 21 /-</u></b>	2015342729	<b><u>A61C 13 /-</u></b>	2017359844	
	2017340623		2018345082	2017376444	<b><u>A61K 9 /-</u></b>
<b><u>A01D 45 /-</u></b>		<b><u>A47J 42 /-</u></b>		2017376445	2016285720
2017325569	<b><u>A01P 3 /-</u></b>	2016253709	<b><u>A61C 17 /-</u></b>	2017403257	2016310476
	2017340623		2016369258	2018229817	2017258750
<b><u>A01D 46 /-</u></b>		<b><u>A47L 9 /-</u></b>		2018235266	2017343384
2017325569	<b><u>A01P 5 /-</u></b>	2019259443	<b><u>A61D 7 /-</u></b>	2019295983	2019422013
	2017340623		2020201948	2020202386	<b><u>A61L 2 /-</u></b>
<b><u>A01D 47 /-</u></b>		<b><u>A61B 1 /-</u></b>		2020233715	2016415948
2017325569	<b><u>A01P 7 /-</u></b>	2019251104	<b><u>A61F 13 /-</u></b>	2020256294	
	2017340623		2016366165		<b><u>A61K 35 /-</u></b>
<b><u>A01F 11 /-</u></b>	2020203259	<b><u>A61B 17 /-</u></b>	2017206118	2015356788	<b><u>A61L 31 /-</u></b>
2017325569	<b><u>A23C 13 /-</u></b>	2016335959	2017244200	2016243120	2019312607
	2017252132	2016338401	2018415282	2016321015	<b><u>A61L 9 /-</u></b>
<b><u>A01G 31 /-</u></b>		2016338436		2018248672	2020273304
2017214537	<b><u>A23C 23 /-</u></b>	2016348912	<b><u>A61F 2 /-</u></b>		2021200545
	2017252132	2017212365	2016338401	<b><u>A61K 36 /-</u></b>	
<b><u>A01G 7 /-</u></b>		2017235887	2016338436	2016312007	<b><u>A61M 1 /-</u></b>
2017365177	<b><u>A23J 1 /-</u></b>	2017267672	2017267672		2016366165
	2017252132	2017422655	2018362080	<b><u>A61K 38 /-</u></b>	
<b><u>A01K 1 /-</u></b>		2019251095	2019218968	2015360496	<b><u>A61M 15 /-</u></b>
2016365760	<b><u>A23J 3 /-</u></b>	2019257573	2019312607	2015365606	2020256294
	2017252132	2020200771	2020200771	2016219513	
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2017234371	<b><u>A23L 2 /-</u></b>	2017212365	2021200835	2016285720	2016406387
	2019356037	2019232769		2016334247	2018383962
<b><u>A01N 25 /-</u></b>		<b><u>A61B 3 /-</u></b>	<b><u>A61F 7 /-</u></b>	2017338911	2020202199
2017233034	<b><u>A23L 29 /-</u></b>	2017228989	2017206118	2017389916	2020256294
2017340623		2018316010	2019232769	2017403257	
2017365177	2017252132			2019206030	<b><u>A61M 25 /-</u></b>
2020203259	2018211138	<b><u>A61B 34 /-</u></b>	<b><u>A61F 9 /-</u></b>	2019206062	2020202199
	2019261707	2018294236	2019312607	2019208273	
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	2017403257	2020210201		<b><u>A61K 39 /-</u></b>	<b><u>A61M 35 /-</u></b>
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2017269746	<b><u>A24B 5 /-</u></b>	2017225337		2016243120	
2017340623		2019228989	<b><u>A61G 7 /-</u></b>	2016349937	<b><u>A61M 37 /-</u></b>
2017365177	2017325569	2018316010	2017351746	2017338911	2016366165
2020203259		2020200946	<b><u>A61H 1 /-</u></b>	2018248672	
	<b><u>A24F 1 /-</u></b>	2020203162		2018423921	2017258750
<b><u>A01N 51 /-</u></b>			2016426610	2019208273	2019232769
2017340623	2020200425	<b><u>A61B 50 /-</u></b>		2019235577	
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<b><u>A01N 53 /-</u></b>			2020202199	2016243120	2016344428
2017340623	2016312955	<b><u>A61B 6 /-</u></b>		2016349937	
		2020200946	<b><u>A61K 31 /-</u></b>	2017338911	2016366165
<b><u>A01N 57 /-</u></b>	<b><u>A41F 9 /-</u></b>	2020210201		2018248672	
			2015360496	2018423921	<b><u>A61M 39 /-</u></b>
	2021200186		2015410634	2019208273	2016344428
			2016285720	2019235577	<b><u>A61M 5 /-</u></b>
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2017376445	<b><u>A63B 21 /-</u></b>	2017227902	<b><u>B42D 15 /-</u></b>	2018316918	2018345082
2018235266	2019216445	<b><u>B05D 5 /-</u></b>	2016225203	<b><u>B65D 1 /-</u></b>	<b><u>C05B 15 /-</u></b>
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<b><u>A61P 27 /-</u></b>	2016381551	<b><u>B05D 7 /-</u></b>	2020202206	<b><u>B65D 47 /-</u></b>	<b><u>C07C 15 /-</u></b>
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2018255933	2016381551	<b><u>B07B 1 /-</u></b>	2019323649	2019391432	2017339104
2019235577	<b><u>A63B 60 /-</u></b>	2018326599	<b><u>B60H 3 /-</u></b>	<b><u>B65D 65 /-</u></b>	<b><u>C07C 29 /-</u></b>
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2017206718	<b><u>A63C 19 /-</u></b>	2018345082	<b><u>B60P 1 /-</u></b>	<b><u>B65G 23 /-</u></b>	<b><u>C07C 4 /-</u></b>
2017246455	2017212840	<b><u>B22C 7 /-</u></b>	2018287167	2016213751	2017324906
<b><u>A61P 31 /-</u></b>	<b><u>A63F 13 /-</u></b>	2018345082	<b><u>B60P 3 /-</u></b>	<b><u>B66B 9 /-</u></b>	<b><u>C07C 45 /-</u></b>
2017339104	2019208172	<b><u>B25D 11 /-</u></b>	2016365760	2018317641	2018285599
2020256457	2019268125	2020200771	<b><u>B60P 7 /-</u></b>	2018319105	2018285599
<b><u>A61P 35 /-</u></b>	2020201640	<b><u>B25G 1 /-</u></b>	2016244280	<b><u>B66C 1 /-</u></b>	<b><u>C07C 6 /-</u></b>
2015365606	<b><u>A63H 27 /-</u></b>	2016381551	<b><u>B60R 13 /-</u></b>	2019267311	<b><u>C07C 67 /-</u></b>
2016243120	2016225203	<b><u>B25J 19 /-</u></b>	2018287167	<b><u>B67B 7 /-</u></b>	2016357756
2016285720	<b><u>B01D 24 /-</u></b>	2016426610	<b><u>B60W 40 /-</u></b>	2019391432	2016357756
2016310476	2020273304	<b><u>B25J 9 /-</u></b>	2018316010	<b><u>B82Y 10 /-</u></b>	<b><u>C07C 69 /-</u></b>
2016378723	<b><u>B01D 29 /-</u></b>	2016426610	<b><u>B60W 50 /-</u></b>	2020230228	2016357756
2017206718	2020273304	<b><u>B26D 7 /-</u></b>	2018316010	<b><u>B82Y 30 /-</u></b>	<b><u>C07D 209 /-</u></b>
2017254687	<b><u>B01D 67 /-</u></b>	2019211273	<b><u>B62J 3 /-</u></b>	2017367089	2017339104
2017359844	2017225101		2017200615		
2018229817					
2019213430					
2019295983					
2019322538					
<b><u>A61P 37 /-</u></b>					
2018423921					
<b><u>A61P 43 /-</u></b>					
2017246455					
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2017269746 2017339104	2017246455 2017359844 2018235266 2018273866	2017263714	2015279794 2015344324 2016220612 2017317564 2019208273 2020203565	2017340017	2016204675
<b><u>C07D 221 /-</u></b>	<b><u>C07D 489 /-</u></b>	<b><u>C08L 25 /-</u></b>		<b><u>D21J 3 /-</u></b>	<b><u>E05C 17 /-</u></b>
2016378723	2017343384	2017225101		2016281465	2019226229
<b><u>C07D 231 /-</u></b>	<b><u>C07D 495 /-</u></b>	<b><u>C08L 47 /-</u></b>	<b><u>C12P 19 /-</u></b>	<b><u>D21J 7 /-</u></b>	<b><u>E05D 11 /-</u></b>
2017339104 2018229817	2016378723	2017225101	2015344324 2017272957	2016281465	2019226229
<b><u>C07D 233 /-</u></b>	<b><u>C07D 498 /-</u></b>	<b><u>C08L 83 /-</u></b>	<b><u>C12Q 1 /-</u></b>	<b><u>E02F 3 /-</u></b>	<b><u>E05D 15 /-</u></b>
2017339104	2017376445 2019322538	2017263714	2014375206 2015226976 2015279794 2016255964 2016321015 2017403257 2019200163 2019201301 2020200863	2016203617	2019226229
<b><u>C07D 239 /-</u></b>	<b><u>C07D 513 /-</u></b>	<b><u>C09D 133 /-</u></b>		<b><u>E03F 7 /-</u></b>	<b><u>E21B 25 /-</u></b>
2016378723 2017339104	2017376445	2017219037		2017330468	2016330469
<b><u>C07D 241 /-</u></b>	<b><u>C07F 9 /-</u></b>	<b><u>C09D 5 /-</u></b>		<b><u>E04B 1 /-</u></b>	<b><u>E21B 33 /-</u></b>
2020202386	2016302009	2017204226 2017219037		2016314142 2017351956 2019206115	2016356783 2019279596
<b><u>C07D 279 /-</u></b>	<b><u>C07H 15 /-</u></b>	<b><u>C09K 3 /-</u></b>	<b><u>C22B 3 /-</u></b>	<b><u>E04C 2 /-</u></b>	<b><u>E21B 49 /-</u></b>
2018228816	2018273866	2017204226	2016325507	2016284331 2019206115	2016330469
<b><u>C07D 307 /-</u></b>	<b><u>C07H 21 /-</u></b>	<b><u>C10M 107 /-</u></b>	<b><u>C22B 7 /-</u></b>	<b><u>E04D 13 /-</u></b>	<b><u>E21D 20 /-</u></b>
2017339104	2016302009	2017263714	2016325507	2019271876	2017232167
<b><u>C07D 333 /-</u></b>	<b><u>C07J 43 /-</u></b>	<b><u>C10M 137 /-</u></b>	<b><u>C22C 1 /-</u></b>	<b><u>E04D 3 /-</u></b>	<b><u>E21D 9 /-</u></b>
2017339104	2020201948	2017263714	2016317860	2016314142	2017232167 2019439936
<b><u>C07D 401 /-</u></b>	<b><u>C07K 14 /-</u></b>	<b><u>C11D 1 /-</u></b>	<b><u>C22C 33 /-</u></b>	<b><u>E04F 10 /-</u></b>	<b><u>E21F 17 /-</u></b>
2016378723 2017269746	2016334247 2016349937 2017338911 2017389916 2020203565	2017275180	2016317860	2017212840	2020273629
<b><u>C07D 405 /-</u></b>	<b><u>C07K 16 /-</u></b>	<b><u>C11D 3 /-</u></b>	<b><u>C22C 38 /-</u></b>	<b><u>E04F 13 /-</u></b>	<b><u>F03B 13 /-</u></b>
2016355654 2017254687	2015360496 2018248672 2018423921 2019208273	2017317564	2016317860	2019217218	2017208808
<b><u>C07D 407 /-</u></b>	<b><u>C07K 16 /-</u></b>	<b><u>C12M 1 /-</u></b>	<b><u>D06F 21 /-</u></b>	<b><u>E04F 21 /-</u></b>	<b><u>F04B 27 /-</u></b>
2016378723	2015360496 2018248672 2018423921 2019208273	2017272957	2020200528	2019200143	2016379168
<b><u>C07D 409 /-</u></b>	<b><u>C07K 7 /-</u></b>	<b><u>C12N 1 /-</u></b>	<b><u>D06F 23 /-</u></b>	<b><u>E04G 7 /-</u></b>	<b><u>F04B 49 /-</u></b>
2016378723	2015360496 2018248672 2018423921 2019208273	2015344324 2017340623 2020200572	2020200528	2016287779	2016379168
<b><u>C07D 413 /-</u></b>	<b><u>C07K 7 /-</u></b>	<b><u>C12N 15 /-</u></b>	<b><u>D06F 25 /-</u></b>	<b><u>E04H 4 /-</u></b>	<b><u>F04D 25 /-</u></b>
2016378723	2015360496 2018248672 2018423921 2019208273	2015344324 2015356788 2016227607 2016321015 2018271280 2020203565	2020200528	2017212840 2020202030	2016379168
<b><u>C07D 417 /-</u></b>	<b><u>C08B 30 /-</u></b>	<b><u>C12N 5 /-</u></b>	<b><u>D06F 39 /-</u></b>	<b><u>E05B 19 /-</u></b>	<b><u>F15B 1 /-</u></b>
2017376444	2018211138	2015344324 2015356788 2016227607 2016321015 2018271280 2020203565	2020200528	2016265050	2016356783
<b><u>C07D 471 /-</u></b>	<b><u>C08G 61 /-</u></b>	<b><u>C12N 5 /-</u></b>	<b><u>D06L 1 /-</u></b>	<b><u>E04H 4 /-</u></b>	<b><u>F16B 21 /-</u></b>
2016378723 2017359844 2019295983 2020233715	2017225101	2015344324 2015356788 2016227607 2016321015 2018271280 2020203565	2017275180	2017212840 2020202030	2019217218
<b><u>C07D 473 /-</u></b>	<b><u>C08G 65 /-</u></b>	<b><u>C12N 7 /-</u></b>	<b><u>D21H 17 /-</u></b>	<b><u>E05B 27 /-</u></b>	<b><u>F16B 5 /-</u></b>
2016378723	2017225101	2015344324 2015356788 2016227607 2016321015 2018271280 2020203565	2017340017	2016265050	2019217218
	<b><u>C08G 75 /-</u></b>	<b><u>C12N 7 /-</u></b>	<b><u>D21H 19 /-</u></b>	<b><u>E05B 35 /-</u></b>	<b><u>F16J 15 /-</u></b>
	2017225101	2015344324 2015356788 2016227607 2016321015 2018271280 2020203565	2017340017	2016265050	2019279596
		2020200863		2016265050	<b><u>F16K 15 /-</u></b>

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2017330468	<b><u>G01N 23 /-</u></b>	2018316010	2019208172	<b><u>H01L 51 /-</u></b>	<b><u>H04B 10 /-</u></b>
<b><u>F16K 27 /-</u></b>	2019439936	<b><u>G06F 8 /-</u></b>	<b><u>G08B 1 /-</u></b>	2017302388	2020219446
2017330468	<b><u>G01N 33 /-</u></b>	2018367400	2019280007	<b><u>H01P 1 /-</u></b>	<b><u>H04B 17 /-</u></b>
<b><u>F16L 5 /-</u></b>	2016254150	<b><u>G06F 9 /-</u></b>	<b><u>G08C 17 /-</u></b>	2020202030	2017304556
2019206115	2016285720	2017343991	2016344321	<b><u>H01Q 1 /-</u></b>	<b><u>H04B 5 /-</u></b>
<b><u>F16P 7 /-</u></b>	2017403257	<b><u>G06G 7 /-</u></b>	<b><u>G09B 9 /-</u></b>	2020204043	2017225810
	2020202115				
2018250434	<b><u>G01R 33 /-</u></b>	2016379168	2016317839	<b><u>H01Q 25 /-</u></b>	<b><u>H04B 7 /-</u></b>
	2019280007				
<b><u>F21S 41 /-</u></b>	<b><u>G01V 1 /-</u></b>	<b><u>G06K 19 /-</u></b>	<b><u>G09F 19 /-</u></b>	2017218619	2020202882
2020374239	2017305425	2017309382	2016225203	<b><u>H01Q 3 /-</u></b>	<b><u>H04H 60 /-</u></b>
<b><u>F21V 8 /-</u></b>	2018282093	<b><u>G06K 9 /-</u></b>	<b><u>G10K 1 /-</u></b>	2017218619	2017264868
2016278511	<b><u>G02B 27 /-</u></b>	2017228989	2017200615	<b><u>H01Q 5 /-</u></b>	<b><u>H04J 11 /-</u></b>
<b><u>F23L 17 /-</u></b>	2016324039	2017264868			
2019323649	2017207827	2018247340	<b><u>G10L 19 /-</u></b>	2017218619	2017304556
	2017228989	2018316010			
<b><u>F24F 1 /-</u></b>	<b><u>G02B 5 /-</u></b>	2019241833	2016324039	<b><u>H01T 19 /-</u></b>	<b><u>H04L 12 /-</u></b>
		2019359613			
2019211903	2020202206	<b><u>G06N 10 /-</u></b>	2018352203	<b><u>H01T 23 /-</u></b>	2018202047
<b><u>F24F 11 /-</u></b>	<b><u>G02B 6 /-</u></b>	2020230228			2018430256
			<b><u>G16B 40 /-</u></b>	2021200545	<b><u>H04L 29 /-</u></b>
2018402082	2016317020	<b><u>G06Q 10 /-</u></b>	2018352203	<b><u>H02G 3 /-</u></b>	2017286891
2020202115	2020219446	2017417562			2017343991
<b><u>F24F 8 /-</u></b>	<b><u>G03F 7 /-</u></b>	<b><u>G06Q 20 /-</u></b>	<b><u>G16H 20 /-</u></b>	2019206115	2019249939
					2019272212
2021200545	2017301437	2017309382	2018294236	<b><u>H02H 1 /-</u></b>	2020202882
<b><u>F24S 20 /-</u></b>	<b><u>G05B 19 /-</u></b>	2019250167	2020224128		
		2019277175	<b><u>G16H 30 /-</u></b>	2016266055	<b><u>H04L 5 /-</u></b>
2019271876	2017202241	2019279985		<b><u>H02H 7 /-</u></b>	2017311592
<b><u>F24S 30 /-</u></b>	<b><u>G05D 1 /-</u></b>	<b><u>G06Q 99 /-</u></b>	2020224128		2017334941
				2017342682	<b><u>H04M 1 /-</u></b>
2019282152	2018407034	2020201175	2018294236	<b><u>H02J 5 /-</u></b>	2020204043
<b><u>F25J 1 /-</u></b>	<b><u>G06F 11 /-</u></b>	<b><u>G06T 15 /-</u></b>		2020202030	<b><u>H04N 19 /-</u></b>
			<b><u>G16H 50 /-</u></b>	<b><u>H02J 7 /-</u></b>	2020244429
2016291205	2018367400	2017202711	2020224128	2017225810	<b><u>H04R 1 /-</u></b>
<b><u>G01B 11 /-</u></b>	<b><u>G06F 13 /-</u></b>	<b><u>G06T 17 /-</u></b>			
			<b><u>G21C 3 /-</u></b>	<b><u>H02K 1 /-</u></b>	2018344778
2020273629	2020230228	2020202720	2020210198	2020239647	<b><u>H04R 5 /-</u></b>
<b><u>G01F 23 /-</u></b>	<b><u>G06F 15 /-</u></b>	<b><u>G06T 19 /-</u></b>	<b><u>G21F 3 /-</u></b>	<b><u>H02P 27 /-</u></b>	2016324039
2017263620	2016322503	2016324039	2020210201	2018402082	<b><u>H04W 12 /-</u></b>
2019232822		<b><u>G06T 7 /-</u></b>			
<b><u>G01G 15 /-</u></b>	<b><u>G06F 16 /-</u></b>	2016367430	<b><u>H01G 9 /-</u></b>	<b><u>H02S 20 /-</u></b>	2017343991
		2018202767			2019249939
2016253709	2017214759		2017302388	2019282152	2020204346
	2018226404	<b><u>G07F 17 /-</u></b>	<b><u>H01L 21 /-</u></b>	<b><u>H02S 40 /-</u></b>	<b><u>H04W 16 /-</u></b>
<b><u>G01L 9 /-</u></b>	2018429394				
2018424685	<b><u>G06F 21 /-</u></b>	2017225810	2017301437	2016344321	2017295096
		2019208172			
<b><u>G01M 11 /-</u></b>	2017343991	<b><u>G07F 19 /-</u></b>	<b><u>H01L 31 /-</u></b>	<b><u>H02S 50 /-</u></b>	<b><u>H04W 24 /-</u></b>
	2019279985				
2021200835	<b><u>G06F 3 /-</u></b>	2019279985	2016344321	2016344321	2017304556
<b><u>G01N 21 /-</u></b>	2016324039	<b><u>G07F 7 /-</u></b>	<b><u>H01L 39 /-</u></b>	<b><u>H03M 13 /-</u></b>	2018411307
	2017228989				
2017263620	2018226404	2017309382	2020230228	2017264868	<b><u>H04W 4 /-</u></b>
					2017343991



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

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 (21) 2021103062 (22) 03.06.2021  
 (54) A ceiling fan assembly  
 (51) Int. Cl.  
*F04D 29/34* ( 2006.01 )  
*F04D 25/08* ( 2006.01 )  
*F04D 29/60* ( 2006.01 )  
 (45) 30.09.2021  
 (62) 2017203518  
 (72) Yu, William  
 (74) Actuate Patents
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 (11) AU-B-2020102735  
 (21) 2020102735 (22) 15.10.2020  
 (54) STRETCHER  
 (51) Int. Cl.  
*A61G 1/013* ( 2006.01 )  
*A61G 1/02* ( 2006.01 )  
*A61G 1/052* ( 2006.01 )  
*A61G 1/06* ( 2006.01 )  
*A61G 3/02* ( 2006.01 )  
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 (31) 2019903891 (32) 15.10.19 (33) AU  
 (45) 30.09.2021  
 (72) Chipperfield, David William; Fear, Alan Raymond Ross; Hanlon, Gregory Richard; Robertson, Bruce James; Secomb, Glenn Newton  
 (74) Madderns Pty Ltd
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- (71) Plungie IP Pty Ltd  
 (11) AU-B-2021101637  
 (21) 2021101637 (22) 30.03.2021  
 (54) Plunge pool  
 (51) Int. Cl.  
*E04H 4/00* ( 2006.01 )  
*A47K 3/02* ( 2006.01 )  
*A61H 33/00* ( 2006.01 )  
*E04H 4/14* ( 2006.01 )  
 (45) 30.09.2021  
 (62) 2019219874  
 (72) HERMANS, Ty; PETERSEN, Ben; JUNG, Mayer; GANNON, Michael  
 (74) DAVIS IP PTY LTD
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- (71) Sipco Pty Ltd  
 (11) AU-B-2020104130  
 (21) 2020104130 (22) 16.12.2020  
 (54) Detection and Alerting System for Pre-cursors to Spoilage or Spontaneous Combustion and the Method thereof  
 (51) Int. Cl.  
*G01K 13/10* ( 2006.01 )  
*A01F 25/10* ( 2006.01 )  
*G01N 33/497* ( 2006.01 )  
*G08B 21/18* ( 2006.01 )
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- (45) 30.09.2021  
 (72) Kelly, Richard  
 (74) LESICAR MAYNARD ANDREWS PTY LTD
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- (71) Trent Bridge (VIC) Engineering Pty Ltd  
 (11) AU-B-2021100710  
 (21) 2021100710 (22) 04.02.2021  
 (54) WELLHEAD ASSEMBLY  
 (51) Int. Cl.  
*F16L 58/00* ( 2006.01 )  
*C22C 38/44* ( 2006.01 )  
*F16L 9/02* ( 2006.01 )  
*E21B 17/00* ( 2006.01 )  
*E21B 43/00* ( 2006.01 )  
*F16L 23/024* ( 2006.01 )  
 (31) 2020900723 (32) 09.03.20 (33) AU  
 (45) 30.09.2021  
 (72) Vose, Steven; Slack, Gregory  
 (74) Mann IP

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**2020104130** Sipco Pty Ltd  
**2021100710** Trent Bridge (VIC) Engineering Pty Ltd  
**2021101637** Plungie IP Pty Ltd  
**2021103062** DEKA AUSTRALIA PTY LTD

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2014378349	2015271954	2015271963	2015295751
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2015343239	2015350075	2015367226	2015370673
2015371265	2015393124	2015409278	2015417912
2016202345	2016212158	2016221305	2016221497
2016222357	2016224583	2016225119	2016227408
2016232104	2016232122	2016233731	2016242866
2016244242	2016246065	2016247121	2016247498
2016248002	2016253554	2016256717	2016262130
2016262579	2016264813	2016270327	2016270738
2016270905	2016271303	2016271344	2016272869
2016281420	2016284313	2016292902	2016305727
2016305903	2016308615	2016308652	2016313961
2016315634	2016322548	2016324347	2016333016
2016333767	2016334120	2016336658	2016338823
2016342225	2016344404	2016344724	2016345367
2016345993	2016349408	2016361663	2016364438
2016369047	2016370818	2016375860	2016378276
2016380794	2016381341	2016384243	2016393784
2017200798	2017216515	2017217011	2017217542
2017218783	2017225713	2017238999	2017246093
2017249050	2017249974	2017252175	2017256857
2017258193	2017261253	2017266896	2017268727
2017275646	2017279846	2017283491	2017284124
2017288908	2017289418	2017291975	2017294791
2017298024	2017303485	2017311927	2017312524
2017314560	2017362594	2017373901	2017377672
2017383598	2017388945	2017410632	2017420428
2017422813	2017425082	2017426445	2017442089
2017445062	2018200689	2018216532	2018222521
2018226825	2018236614	2018244221	2018245202
2018262708	2018263932	2018269557	2018271276
2018279893	2018287150	2018289033	2018304477
2018317939	2018324288	2018324642	2018326081
2018327185	2018344902	2018345580	2018345729
2018348583	2018349129	2018356965	2018359259
2018361365	2018366123	2018367163	2018367405
2018368871	2018368980	2018369390	2018378648
2018378649	2018383853	2018402915	2018403377
2018413522	2018422117	2018425667	2018427688
2019200890	2019201407	2019202216	2019202643
2019203245	2019203693	2019204209	2019204671
2019212999	2019213328	2019215342	2019216637
2019216718	2019216724	2019217517	2019219717
2019222837	2019226231	2019232856	2019232858
2019240665	2019242017	2019246792	2019246829
2019246932	2019251188	2019251201	2019252943
2019253839	2019257290	2019262900	2019268155
2019271885	2019271993	2019275512	2019275767
2019283902	2019284033	2019284403	2019308228
2019312556	2019359149	2019359772	2019374160
2019418343	2019436654	2019438696	2019458212
2020200455	2020200655	2020200662	2020200799
2020201251	2020201303	2020201434	2020201543
2020201938	2020202124	2020202270	2020202351
2020202829	2020203030	2020203506	2020210272
2020256395	2020277094	2020286318	

**Innovation Patents**

2020104447	2020104450	2020104451	2020104452
2020104454	2020104455	2020104456	2020104458
2021101569	2021102343	2021102478	2021102591
2021102956	2021102957	2021103065	2021103410
2021103538	2021103662	2021103708	2021103709
2021104005	2021104138	2021104175	2021104435
2021104650	2021104651	2021104652	2021104653
2021104654	2021104655	2021104656	2021104657

**Patents Granted**

**Innovation Patents**

2021104658	2021104659	2021104660	2021104661
2021104663	2021104670	2021104671	2021104674
2021104677	2021104678	2021104679	2021104680
2021104682	2021104685	2021104686	2021104687
2021104688	2021104689	2021104690	2021104691
2021104692	2021104693	2021104694	2021104695
2021104696	2021104697	2021104699	2021104700
2021104701	2021104702	2021104703	2021104704
2021104705	2021104706	2021104707	2021104708
2021104709	2021104710	2021104711	2021104712
2021104713	2021104714	2021104715	2021104717
2021104718	2021104719	2021104720	2021104734
2021104735	2021104736	2021104737	2021104738
2021104739	2021104741	2021104742	2021104743
2021104744	2021104745	2021104746	2021104747
2021104750	2021104751	2021104752	2021104753
2021104754	2021104755	2021104756	2021104787
2021104793	2021104794	2021104795	2021104796
2021104798	2021104800	2021104801	2021104802
2021104804	2021104805	2021104806	2021104807
2021104808	2021104809	2021104810	2021104811
2021104813	2021104814	2021104815	2021104816
2021104817	2021104818	2021104819	2021104820
2021104821	2021104822	2021104823	2021104824
2021104825	2021104826	2021104827	2021104829
2021104832	2021104836	2021104838	2021104839
2021104841	2021104842	2021104843	2021104844
2021104853	2021104854	2021104855	2021104858
2021104859	2021104860	2021104861	2021104862
2021104863	2021104864	2021104866	2021104867
2021104868	2021104870	2021104871	2021104872
2021104873	2021104874	2021104875	2021104876
2021104877	2021104880	2021104881	2021104885
2021104887	2021104900	2021104903	2021104904
2021104905	2021104906	2021104907	2021104908
2021104909	2021104910	2021104911	2021104912
2021104913	2021104916	2021104919	2021104921
2021104922	2021104923	2021104924	2021104925
2021104926	2021104927	2021104929	2021104931
2021104934	2021104935	2021104936	2021104937
2021104938	2021104939	2021104940	2021104941
2021104952	2021104956	2021104958	2021104959
2021104960	2021104961	2021104962	2021104963
2021104964	2021104965	2021104966	2021104967
2021104968	2021104970	2021104971	2021104972
2021104973	2021104974	2021104975	2021104978
2021104980	2021104981	2021104982	2021104983
2021104984	2021104986	2021104988	2021104989
2021104991	2021104992	2021104993	2021104994
2021104995	2021104996	2021105019	2021105020
2021105022	2021105026	2021105029	2021105035
2021105037	2021105038	2021105039	2021105042
2021105043	2021105044	2021105045	2021105046
2021105047	2021105049	2021105050	2021105052
2021105053	2021105055	2021105056	2021105057
2021105058	2021105059	2021105060	2021105061
2021105062	2021105063	2021105064	2021105065
2021105066	2021105090	2021105105	2021105107
2021105108	2021105109	2021105110	2021105111
2021105113	2021105114	2021105115	2021105116
2021105117	2021105119		

**Revocation**

It is hereby notified that as a consequence of a decision by the Commissioner dated 16.09.2021, Patent 2018100606 in the name of **Fraser, M.A.** has been revoked in relation to a re-examination and subsequent revocation under Section 101(1) of the Patents Act.

**Assignments Registered**

2002300431 Morinda Australia Pty Ltd The patent has been assigned to **Shed Boss Buildings Pty Ltd**

2003228671 Home Access Health Corporation The patent has been assigned to **PWNHealth Chicago LLC**

2004202424 GVA Consultants AB The patent has been assigned to **Kellogg Brown & Root LLC**

2005204715 Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.; Agere Systems Inc. The patent has been assigned to **Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.; Dolby Laboratories Licensing Corporation**

2005226536 Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.; Agere Systems Inc. The patent has been assigned to **Dolby Laboratories Licensing Corporation; Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.**

2005262025 Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.; Agere Systems Inc. The patent has been assigned to **Dolby Laboratories Licensing Corporation; Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.**

2005299068 Fraunhofer-Gesellschaft Zur Foerderung der angewandten Forschung e.V.; Agere Systems Inc. The patent has been assigned to **Dolby Laboratories Licensing Corporation; Fraunhofer-Gesellschaft Zur Foerderung der angewandten Forschung e.V.**

2005299070 Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.; Agere Systems Inc. The patent has been assigned to **Dolby Laboratories Licensing Corporation; Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.**

2005304911 Home Access Health Corporation The patent has been assigned to **PWNHealth Chicago LLC**

2005324210 Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.; Agere Systems Inc. The patent has been assigned to **Dolby Laboratories Licensing Corporation; Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.**

2006272127 Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.; Agere Systems Inc. The patent has been assigned to **Dolby Laboratories Licensing Corporation; Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.**

2008254584 AlderBio Holdings LLC The patent has been assigned to **H. Lundbeck A/S**

2011269442 Green IQ The patent has been assigned to **GreenArc Sp/f**

2011365971 Vecor IP Holdings Limited The patent has been assigned to **TIPCO BV**

2012280397 Helsingin Yliopisto The patent has been assigned to **LS CancerDiag Oy**

2012299072 ORTHOGRID SYSTEMS, INC. The patent has been assigned to **OrthoGrid Systems Holdings, LLC**

2013242869 SportCrafters, Inc. The patent has been assigned to **FEEDBACK SPORTS LLC**

2013255103 Boehringer Ingelheim International GmbH The patent has been assigned to **Pharmaxis Ltd.**

2013370779 Beijing Intellix Technology Company Limited; Institute of Acoustics, Chinese Academy of Sciences The patent has been assigned to **Zhengzhou SEANet Technologies Co., Ltd.**

**Assignments Registered**

2014200210 AlderBio Holdings LLC The patent has been assigned to **H. Lundbeck A/S**

2014223172 Dermira, Inc. The patent has been assigned to **Journey Medical Corporation**

2014280235 Anabio Technologies Limited The patent has been assigned to **Nuabiome Limited**

2014292926 Exicure, Inc. The patent has been assigned to **Exicure Operating Company**

2015212755 Hukelmann, Bernhard The patent has been assigned to **hs-tumbler GmbH**

2015269412 Exicure, Inc. The patent has been assigned to **Exicure Operating Company**

2015320268 Haixi Boao Project Limited The patent has been assigned to **Sanmenxia Bomao Industrial Co., Ltd.**

2015320980 BioNTech RNA Pharmaceuticals GmbH The patent has been assigned to **BioNTech SE**

2015323863 Dermira, Inc. The patent has been assigned to **Journey Medical Corporation**

2015367632 AnaBio Technologies Limited The patent has been assigned to **Nuabiome Limited**

2015367634 AnaBio Technologies Limited The patent has been assigned to **Nuabiome Limited**

2016265469 AnaBio Technologies Limited The patent has been assigned to **Nuabiome Limited**

2016269524 Dermira, Inc. The patent has been assigned to **Journey Medical Corporation**

2016271837 AnaBio Technologies Limited The patent has been assigned to **Nuabiome Limited**

2016383705 Teleflex Life Sciences Unlimited Company The patent has been assigned to **Teleflex Life Sciences LLC**

2017203343 McPharlin, Patricia Joyce; McPharlin, John Bruce The patent has been assigned to **McPharlin, Scott**

2017203536 AlderBio Holdings LLC The patent has been assigned to **H. Lundbeck A/S**

2017301099 Goondicum Resources Pty Ltd The patent has been assigned to **RMM Capital Pty Ltd**

2017317950 Yantai Yenepharm Co., Ltd. The patent has been assigned to **Neurodawn Pharmaceutical Co., Ltd.; Sincere Pharmaceutical Co., 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.

2011304285 **Eisai R&D Management Co., Ltd.**

The earliest first regulatory approval date provided by the patentee 16 Jul 2021

For the goods DAYVIGO lemborexant

2015336463 **Eisai R&D Management Co., Ltd.**

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Applications Filed**

The earliest first regulatory approval date provided by the patentee 16 Jul 2021

For the goods DAYVIGO lemborexant

**Applications Accepted**

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

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

2005223736 **ViiV Healthcare UK (No. 4) Limited**

The earliest first regulatory approval date provided by the patentee 14 Jul 2021

For the goods RUKOBIA fostemsavir (as trometamol)

Address for service : Phillips Ormonde Fitzpatrick L 16 333 Collins St Melbourne VIC 3000 AU

**Extensions granted**

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

2009290162 **Chugai Seiyaku Kabushiki Kaisha**

The earliest first regulatory approval date provided by the patentee 17 Nov 2020

For the goods ENSPRYNG satralizumab

Extension of Term of patent pursuant to Section 77 expires on 25 Sep 2034

**Corrigenda**

In Vol 35 , No 35 , Page(s) 7035 under the heading **Assignments Before Grant, Section 113 - 2018** Under the name BIOTECH DENTAL SAS; Biotech Dental, Application No. 2018371164, under INID (71) remove co-applicant BIOTECH DENTAL SAS

In Vol 35 , No 37 , Page(s) 7381 under the heading **Amendments - Application for Amendments** Under the name ESCO Group LLC, Application No. 2016219013 correct the date of the statements filed to read 13 July 2021 and 15 July 2021

In Vol 35 , No 37 , Page(s) 7420 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Elstar Therapeutics, Inc., Application No. 2020224154, under INID (71) correct the applicant name to Marengo Therapeutics, Inc.

In Vol 35 , No 37 , Page(s) 7443 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Utech Products Inc., Application No.2019431299, under INID (71) correct the applicant name to Utech Products, Inc.

**Specifications Republished**

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

2016285727 **Abraxis Bioscience, LLC**  
 2017260298 **B.C.I. Pharma**  
 2018250678 **Teague, P.; Stewart, A.**  
 2018350907 **Illumina, Inc.**  
 2019222028 **Huawei Technologies Co., Ltd.**

**Specifications Republished**

2019246880 **Stryker Corporation**