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CIPO OPIC

THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

The Canadian Patent Office Record is published on Tuesday of each week under the authority of the Commissioner of Patents, Ottawa-Gatineau, Canada, to whom all communications should be addressed.

La Gazette du Bureau des brevets paraît le mardi de chaque semaine sous l'autorité du Commissaire aux brevets, Ottawa-Gatineau, Canada, à qui doit être adressée toute correspondance.

Table of Contents
Table des matières

Notices

1. Dates and Code Numerals Appearing in Patent Headings

Dates
All dates appearing in the patent headings of this publication follow the form recommended by the International Standards Organization. The four digits on the left represent the years followed by two digits each for the months and the days. For example, January 02, 1999 will be shown as 1999-01-02.

Code Numerals
The numerals within the brackets in the patent headings are INID codes. "INID" is an acronym for "Internationally agreed Numbers for the Identification of Data". These codes are utilized to identify patent bibliography as recommended by the Permanent Committee on Industrial Property Information (PCIPI) under the administration of the World Intellectual Property Organization (WIPO) based in Geneva, Switzerland.

The INID Codes and their corresponding definitions of bibliographic data elements are as follows:

[11] - Number of Patent document
[13] - Kind-of-document code
[21] - Number assigned to the Application
[22] - Date of Filing Application or
[22] - Date of filing of related divisional application
[25] - Language in which the published application was originally filed
[30] - Data relating to priority under the Paris Convention

[41] - Open to Public Inspection Date
[45] - Date of Issue
[48] - Correction Date (Re-Issued, Re-Examined)
[51] - International Classification
[52] - Domestic Classification
[54] - Title of Invention
[60] - Related by Supplementary Disclosure
[62] - Related by Division
[64] - Related by Reissue
[71] - Name(s) of Applicant(s)
[72] - Name(s) of Inventor(s)
[73] - Name(s) of Grantee(s)
[85] - National Entry Date
[86] - PCT International Filing Data
[87] - PCT International Publication data

Avis

1. Dates et chiffres de code figurant à l'entête des brevets

Dates
Toutes dates figurant aux entêtes des brevets de cette publication suivent la forme recommandée par l'Organisation des normes internationales. Les quatre chiffres de gauche représentent les années et sont suivis, vers la droite, de deux autres chiffres chacun, pour les mois et les jours. Le 2 janvier 1999, par exemple, sera représenté par 1999-01-02.

Chiffres de code
Les chiffres à l'intérieur des parenthèses aux entêtes des brevets sont des codes INID. Le sigle « INID » signifie « Identification numérique internationale des données bibliographiques » Ces codes sont utilisés pour l'indentification de la bibliographie de brevets, tel que recommandé par le Comité permanent chargé de l'information en matière de propriété industrielle (PCIPI), sous l'administration de l'Organisation mondiale de la propriété intellectuelle (OMPI), sise à Genève, Suisse.

Les codes INID accompagnés des définitions des données bibliographiques correspondantes sont comme suit :

[11] - Numéro du brevet
[13] - Désignation du type de document
[21] - Numéro attribué à la demande
[22] - Date du dépôt de la demande ou
[22] - Date du dépôt de la demande divisionnaire apparentée
[25] - Langue dans laquelle la demande publiée a été initialement déposée
[30] - Données relatives à la priorité selon la Convention de Paris
[41] - Date de mise à la disponibilité du public
[45] - Date de délivrance
[48] - Date de correction (Redélivrance, Réexamen)
[51] - Classification internationale
[52] - Classification nationale
[54] - Titre de l'invention
[60] - Apparenté par divulgation supplémentaire
[62] - Apparenté par division
[64] - Apparenté par redélivrance
[71] - Nom(s) du (des) demandeur(s)
[72] - Nom(s) de(s) l'inventeur(s)
[73] - Nom(s) du (des) titulaire(s)
[85] - Date d'entrée en phase nationale
[86] - Données du dépôt international selon le PCT
[87] - Données de publication internationale selon le PCT

2. Country Code

The Country Codes appearing in this publication conform to those contained in annex A of the *Handbook on Industrial Property Information and Documentation* published by the World Intellectual Property Organization (WIPO). This document is accessible from a link entitled Standards ST-3 on the List of WIPO Standards, Recommendations and Guidelines (Abbreviated Titles) located on the WIPO Web site: (**www.wipo.int/scit/en/standards/standards.htm**).

2. Code des pays

Les Codes des pays qui se trouvent dans cette publication sont conformes à ceux dans l'annexe A du *Manuel sur l'information et la documentation en matière de propriété industrielle* publié par l'Organisation Mondiale de la Propriété Intellectuelle (OMPI). Ce document est accessible à partir de l'hyperlien intitulé Normes ST-3 dans la Liste des normes, recommandations et principes directeurs de l'OMPI (Titres abrégés) qui se trouve au site Web de l'OMPI: (**www.wipo.int/scit/fr/standards/standards.htm**).

3. How to Purchase Paper Copies of Canadian Patents and Canadian Applications Open to Public Inspection

Paper copies of all other Canadian Patents and Canadian applications open to public inspection may be purchased at the cost of $1 per page by visiting (**www.strategis.ic.gc.ca/patentsorder**) or by writing to the Commissioner of Patents, Ottawa-Gatineau, K1A 0C9.

Item 25.1* On requesting copy in electronic form of a document:	N/A
a) for each request	$10
b) plus, for each patent or application to which the request relates	$10
c) plus, if the copy is requested on a physical medium, for each physical medium requested in addition to the first	$10
d) plus, for each additional 10 megabytes or part of them exceeding 7 megabytes	$10

3. Comment acheter des copies sur papier de brevets canadiens et de demandes canadiennes mises à la disponibilité du public

Les copies sur papier de tous les autres brevets canadiens et des demandes canadiennes mises à la disponibilité du public peuvent être achetées au coût de 1 $ par page en visitant notre site Web (**www.strategis.ic.gc.ca/brevetscommande**) ou en écrivant au Commissaire aux brevets, Ottawa-Gatineau, K1A 0C9.

Article 25.1* Demande d'une copie d'un document sous forme électronique :	S.O.
a) pour chaque demande	10 $
b) pour chaque demande de brevet ou brevet visé par la demande	10 $
c) dans le cas où le document doit être copié sur plus d'un support matériel, pour chaque support matériel additionnel	10 $
d) pour chaque tranche de 10 méga-octets qui excède 7 méga-octets, l'excédant étant arrondi au multiple supérieur	10 $

4. Orders for Patents by Class or Sub-Class

A listing of all patents that have issued in each class or sub-class including both patents in force and expired patents, may be ordered at a price of $1 per page from the Patent Office.

4. Commande de brevets par classe ou sous-classe

Les listes de brevets délivrés dans chaque classe ou sous-classe, incluant les brevets en vigueur et ceux ayant expiré, peuvent être commandées auprès du Bureau des brevets au prix de 1 $ la page.

5. Advice on Making a Patent Application

Any person intending to file a patent application may obtain an information kit upon request from the Commissioner of Patents, Ottawa-Gatineau, Canada K1A 0C9. It is recommended that applicants make use of the services of a registered Patent Agent. A list of Patent Agents in any area of Canada will also be supplied upon request.

5. Conseils relatifs à la préparation de demandes de brevets

Toute personne qui a l'intention de déposer une demande de brevet peut obtenir une trousse d'information sur demande faite au Commissaire aux brevets, Ottawa-Gatineau, Canada K1A 0C9. On recommande aux demandeurs d'avoir recours aux services d'un agent de brevets inscrit au registre. Une liste des agents de brevets dans n'importe quelle région du Canada sera également fournie sur demande.

6. Licensing of Patents

Voluntary Licences
Persons desiring to use, make or sell an invention patented in Canada should negotiate terms with the patent owner. The address of the patentee may be obtained by writing to the Commissioner of Patents, Ottawa-Gatineau, Canada, K1A 0C9. If a voluntary licence cannot be arranged, a compulsory licence may be possible.

Compulsory Licences
Three years after a patent has been granted, one may request a compulsory licence to use the patent if there has been an abuse of the exclusive right. See Sections 65 to 71 of the *Patent Act.* Applications for a compulsory licence are made to the Commissioner of Patents.

6. Octroi de licences en vertu des brevets

Licences librement accordées
Les personnes désirant utiliser, fabriquer ou vendre une invention brevetée au Canada doivent en négocier les conditions avec le titulaire du brevet. L'adresse du titulaire peut être obtenue en écrivant au Commissaire aux brevets, Ottawa-Gatineau, Canada, K1A 0C9. S'il est impossible d'obtenir une licence résultant d'un libre accord, il est peut être possible d'obtenir une licence obligatoire.

Licences obligatoires
Il est possible de faire la demande d'une licence obligatoire trois ans après l'octroi d'un brevet si les droits exclusifs qui en dérivent ont donné lieu à un abus. Voir les articles 65 à 71 de la *Loi sur les brevets*. Les demandes de licence obligatoire doivent être présentées au Commissaire aux brevets.

7. Patents Available for Licence or Sale

An asterisk (*) placed beside any patent listed in this issue of the *Canadian Patent Office Record* indicates that as of the date of grant the said patent is available for licence or sale. These and other patents now made available for licensing are included in the listing in part 8 of these notices.

7. Brevets disponibles pour licence ou vente

Un astérisque (*) marqué à côté de tout brevet inscrit dans le présent numéro de la *Gazette du bureau des brevets*, signale qu'à compter de la date de la présente publication, ledit brevet est disponible pour octroi de licence ou vente. Une liste de ces brevets et d'autres mis en disponibilité pour octroi de licence, est publiée au no. 8 des présents avis.

8. List of Patents Available for Licence or Sale

The following Canadian patents have been made available this week for sale or licensing:

3,175,619

8. Liste des brevets disponibles pour octroi de licence ou vente

Les brevets canadiens suivants ont été mis en disponibilité cette semaine pour vente ou octroi de licence :

3,175,619

9. Applications Open to Public Inspection

All patent applications filed since October 1, 1989 and documents filed in connection therewith are open to public inspection at the Patent Office after the expiration of a confidentiality period of eighteen months beginning on the filing date of the application, or where a request for priority has been made in respect to the application, beginning on the priority date claimed. An application may become open to public inspection sooner at the request or with the approval of the applicant (Section 10(2) of the *Patent Act*). However, an application shall not be open for public inspection if it is withdrawn within the time set out in Section 92 of the *Patent Rules*. This time limit is two months before the expiry of the confidentiality period or where the Commissioner is able to stop technical preparations to open the application to the public at a subsequent date.

9. Demandes mises à la disponibilité du public

Toutes les demandes de brevet et documents relatifs à ceux-ci, déposés au Bureau des brevets depuis le 1er octobre 1989, peuvent y être consultées après l'expiration de la période de confidentialité de dix-huit mois à compter de la date de dépôt de la demande de brevet ou, si une demande de priorité a été présentée à l'égard de celle-ci, de la date de dépôt sur laquelle la demande de priorité est fondée. Une demande de brevet peut être consultée avant l'expiration de la période, à la requête ou sur autorisation du demandeur (article 10(2) de la *Loi sur les brevets*). Toutefois, une demande de brevet ne pourra être consultée si celle-ci est retirée à l'intérieur du délai prévu à l'article 92 des *Règles sur les brevets*. Le délai prévu est de deux mois précédant la date d'expiration de la période de confidentialité ou, lorsque le commissaire est en mesure, à une date ultérieure, d'arrêter les préparatifs techniques en vue de la consultation de cette demande.

10. Language of Published Documents

When ordering a published patent, please note that the language of the document can be identified by the language code (INID [25]) EN (English) or FR (French).

10. Langue du document publié

Toute personne intéressée à obtenir une copie d'un brevet publié doit prendre note que les codes suivants EN (Anglais) ou FR (Français) représentent (INID [25]) la langue de la copie du brevet publié.

11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After June 3, 2020

1. Transmittal Fee (Rule 14)	**$300**
2. International Filing Fee	**$1961***
For each additional sheet over 30	**$22**
3. International Search Fee	**$1600**

The above mentioned fees are due at time of filing of the international application, or within one month from the international filing date (date of receipt of the international application by the receiving office). These fees are to be paid in Canadian dollars and cheques should be made payable to the Receiver General for Canada.

If the fees are not paid within one month from the international filing date, the receiving office shall invite the applicant to pay the amount required, together with a late payment fee under

11. Traité de coopération en matière de brevets (PCT) barème de taxes à partir du 3 juin 2020

1. Taxe de transmission (Règle 14)	**300 $**
2. Taxe de dépôt internationale	**1961 $***
Pour chaque feuille au delà de 30	**22 $**
3. Taxe de recherche internationale	**1600 $**

Les taxes mentionnées ci-haut sont payables au moment du dépôt de la demande internationale, ou dans un délai d'un mois à compter de la date de dépôt international, (soit la date de réception de la demande internationale par l'office récepteur). Les taxes doivent être payées en dollars canadiens et les chèques sont payables au receveur général du Canada.

Si les taxes n'ont pas été payées dans un délai d'un mois à compter de la date de dépôt international, l'office récepteur invitera le demandeur à payer le montant dû, accompagné de la

Rule 16bis.2, within one month from the date of the invitation. Failure to pay the fees will result in the withdrawal of the application by the receiving office.

4. Late payment fee
50% of the fees that are due, or,
Minimum: Transmittal fee
Maximum: 50% of the international filing fee

Preliminary Examination

5. Handling fee (Rule 57.2(*a*)) **$295**

6. Preliminary examination fee (Rule 58) **$800**

* International fees will be reduced by:

- **$295** for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- **$442** for all applications filed electronically using PCT-SAFE or ePCT (The request, description, claims and abstract in character coded format).

taxe pour le paiement tardif visée à la règle 16bis.2, dans un délai d'un mois à compter de l'invitation. Si vous omettez de payer les taxes, l'office récepteur retirera votre demande.

4. Taxe pour paiement tardif
50% du montant impayé, ou,
Minimum : taxe de transmission
Maximum : 50% de la taxe de dépôt international

Examen préliminaire

5. Taxe de traitement (Règle 57.2*a*)) **295 $**

6. Taxe d'examen préliminaire (Règle 58) **800 $**

* Les frais seront réduits de:

- **295 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- **442 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête, la description, les revendications et l'abrégé étant en format à codage de caractères).

12. PCT Notices

Patent Cooperation Treaty (PCT)

Copies of the *Patent Cooperation Treaty Applicants Guide* and the *Patent Cooperation Treaty & Regulations* are available from WIPO - World Intellectual Property Organization at a cost of 200 Swiss Francs and 18 Swiss Francs, respectively.

Those wishing for further information including prices for both previous and current subscriptions should contact WIPO at:

Information Products Section
Post Office Box 18
1211 Geneva 20 Switzerland
Telephone (011 41 22) 338-9618
Facsimile (011 41 22) 740-1812

or by "E-mail" (**publications.mail@wipo.int**) or visit their Web site (**www.wipo.int**).

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

Des copies du *Guide du déposant du PCT* ainsi que du *Traité et des Règlements* sont disponibles auprès de l'OMPI - Organisation mondiale de la propriété intellectuelle au coût de 200 francs suisses et 18 francs suisses, respectivement.

Les personnes qui désirent obtenir de plus amples renseignements, notamment sur le prix des abonnements antérieurs et courants, sont priées de s'adresser directement à :

l'OMPI à la Section des produits d'information
Boîte postale 18
1211 Genève 20 Suisse
Téléphone (011 41 22) 338-9618
Télécopieur (011 41 22) 740-1812

ou par courriel (**publications.mail@wipo.int**) ou visiter leur site Web (**www.wipo.int**).

13. Practice Notice

LIMITED PARTNERSHIPS CAN BE ENTERED ON THE REGISTER OF AGENTS AND ON THE LIST OF TRADE-MARK AGENTS

Note: *This practice notice is intended to provide guidance on current Patent and Trade-marks Office practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.*

The Patent Office and the Trade-marks Office (hereinafter jointly referred to as "the Offices") have been receiving inquiries as to whether limited partnerships are entitled to act as patent and trade-mark agents before the Offices.

With respect to the register of patent agents, section 15 of the *Patent Act* provides that a register of patent agents shall be kept in the Patent Office on which shall be entered the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for patents or in other business before the Patent Office. Section 2 of the *Patent Rules* stipulates that the expression "patent agent" means any person or firm whose name is entered on the register of patent agents pursuant to section 15. Paragraph 15(c) of the *Patent Rules* provides that the Commissioner shall enter on the register of patent agents, on payment of the fee set out in item 33 of Schedule II, the name of **any firm, if the name of at least one member of the firm is entered on the register.**

With respect to the list of trade-mark agents, subsection 28(2) of the *Trade-marks Act* provides that the list of trade-mark agents shall include the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for the registration of a trade-mark or in other business before the Trade-marks Office. Paragraph 21(d) of the *Trade-mark Regulations* (1996) stipulates that the Registrar shall, on written request and payment of the fee set out in item 19 of the schedule, enter on a list of trade-mark agents the name of **any firm having the name of at least one of its members entered on the list as a trade-mark agent.**

Both the patent and trade-mark legislation therefore provide that firms may act as agents before the Offices, as long as one of their members is entered on the register or list of agents. It is generally recognised that the term "firm" includes partnerships, and the Offices have already allowed general partnerships and limited liability partnerships to be entered on the register or list of agents. The Offices consider that limited partnerships are also firms, and that they are entitled to act as agents before the

13. Énoncé de pratique

LES SOCIÉTÉS EN COMMANDITE PEUVENT ÊTRE INSCRITES AU REGISTRE DES AGENTS DE BREVETS ET SUR LA LISTE DES AGENTS DE MARQUES DE COMMERCE

Nota : *Le présent énoncé de pratique a pour but de préciser les pratiques actuelles du Bureau des brevets et du Bureau des marques de commerce et l'interprétation faite par ces derniers de certaines dispositions législatives. Toutefois, en cas de divergence entre le présent énoncé et la législation applicable, c'est la législation qui prévaudra.*

Le Bureau des brevets et le Bureau des marques de commerce (ci-après appelés conjointement « les Bureaux ») ont reçu des questions à savoir si les sociétés en commandite (en anglais « limited partnerships ») ont le droit d'agir en tant qu'agents de brevets et de marques de commerce auprès des Bureaux.

En ce qui concerne le registre des agents de brevets, l'article 15 de la *Loi sur les brevets* prévoit qu'un registre des agents de brevets est tenu au Bureau des brevets sur lequel sont inscrits les noms de toutes les personnes et entreprises ayant le droit de représenter les demandeurs dans la présentation et la poursuite des demandes de brevet ou dans toute autre affaire devant le Bureau des brevets. Aux termes de l'article 2 des *Règles sur les brevets*, « agent de brevets » s'entend de toute personne ou maison d'affaires dont le nom est inscrit au registre des agents de brevets aux termes de l'article 15. L'alinéa 15c) des *Règles sur les brevets* prévoit que le commissaire inscrit au registre des agents de brevets, moyennant paiement de la taxe prévue à l'article 33 de l'annexe II, le nom de **toute maison d'affaires dont le nom d'au moins un membre est inscrit au registre des agents de brevets**.

En ce qui concerne la liste des agents de marques de commerce, le paragraphe 28(2) de la *Loi sur les marques de commerce* prévoit que la liste des agents de marques de commerce comporte les noms des personnes et études habilitées à représenter les intéressés dans la présentation et la poursuite des demandes d'enregistrement des marques de commerce et de toute affaire devant le Bureau des marques de commerce. Aux termes de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996), le registraire, sur demande écrite et sur paiement du droit prévu à l'article 19 de l'annexe, inscrit sur la liste des agents de marques de commerce le nom de **toute firme dont le nom d'au moins un membre est inscrit sur la liste à titre d'agent de marques de commerce.**

La législation actuelle sur les brevets et celle sur les marques de commerce prévoient donc que des firmes peuvent agir en tant qu'agents auprès des Bureaux, à condition que l'un de leurs membres soit inscrit au registre ou à la liste des agents. Il est généralement admis que le terme « firme » inclut les sociétés (en anglais «partnerships ») et les Bureaux ont déjà autorisé des sociétés en nom collectif (en anglais « general partnerships») ainsi que des sociétés à responsabilité limitée

Offices.

Therefore, commencing immediately, the Offices will enter upon request, on the register or list of agents, limited partnerships that otherwise meet the requirements set out in the patent and trade-mark legislation.

The Offices, however, continue to consider that the current patent and trade-mark legislation do not allow corporations to be entered on the register or list of agents, since corporations do not have members and therefore cannot meet the requirements set out in paragraph 15(c) of the *Patent Rules* and paragraph 21(d) of the *Trade-mark Regulations* (1996).

(en anglais « limited liability partnerships ») à être inscrites au registre ou à la liste des agents. Les Bureaux considèrent que les sociétés en commandite sont aussi des firmes et qu'elles ont le droit d'agir en tant qu'agents auprès des Bureaux.

En conséquence, sur demande, les Bureaux inscriront désormais au registre, ou à la liste des agents, les sociétés en commandite qui répondent aux exigences de la *Loi sur les brevets et de la Loi sur les marques de commerce.*

Les Bureaux continuent toutefois de considérer que la législation actuelle sur les brevets et les marques de commerce ne permet pas aux compagnies (en anglais « corporations ») d'être inscrites au registre ou à la liste des agents, étant donné que les compagnies n'ont pas de membres et ne peuvent donc pas satisfaire aux exigences de l'alinéa 15c) des *Règles sur les brevets* et de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996).

14. Correspondence Procedures

The correspondence procedures and the related practice for written communications to the Commissioner of Patents and the Patent Office under the Patent Act and the Patent Rules is outlined in Chapter 2 of the Manual of Patent Office Practice (MOPOP).

Web Link for MOPOP:
http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/h_wr00720.html

The correspondence procedures and the related practice of written communications with respect to Trademarks and to Industrial Design can be found in the Practice Notice entitled *Correspondence Procedures*, available on CIPO's website.

CIPO Web Link for correspondence procedures pertaining to Trademarks and Industrial Design:
https://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/wr00633.html

Publication date: May 10, 2017
Amendment date: June 17, 2019

On this page:

14. Procédures de correspondance

Les procédures de correspondance et les pratiques connexes de communication écrite au commissaire aux brevets ou au Bureau des brevets en vertu de la Loi sur les brevets et des Règles sur les brevets seront exposées dans le chapitre 2 du Recueil des pratiques du Bureau des brevets (RPBB).

Lien Web pour le RPBB :
http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/h_wr00720.html

Les procédures de correspondance et les pratiques connexes de communication écrite concernant les marques de commerce et les dessins industriels se trouvent dans le document intitulé *Procédures de correspondance*, consultable sur le site Web de l'OPIC.

Lien Web de l'OPIC pour les procédures de correspondance relatives aux marques de commerce et aux dessins industriels :
https://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/wr00633.html

Date de publication : 10 mai 2017
Date de modification : 17 juin 2019

Sur cette page :

7. Procedures when CIPO is Open to the Public but Clients are Unable to Communicate with the Office
8. Intellectual Property Acts, Rules and Regulation

7. Procédures à suivre lorsque l'Office est ouvert au public, mais les clients sont incapables de communiquer avec l'Office
8. Lois, règles et règlements sur la propriété intellectuelle

This notice is intended to clarify the practice of the Canadian Intellectual Property Office with respect to correspondence procedures and written communications and replaces all previous notices.

Le présent énoncé de pratique a pour but de préciser la pratique de l'Office de la propriété intellectuelle du Canada relativement aux procédures de correspondance et de communications écrites et remplace tout avis antérieur.

1. Physical Delivery of Correspondence and Written Communications to CIPO

For the purposes of sections 5 and 54 of the Patent Rules, subsection 10(1) of the Trademarks Regulations, section 2 of the Copyright Regulations, section 4 of the Industrial Design Regulations and section 3 of the Integrated Circuit Topography Regulations, the address of the Patent Office, the Office of the Registrar of Trademarks, the Copyright Office, the Industrial Design Office, and the Office of the Registrar of Topographies (hereinafter sometimes collectively referred to as "CIPO") is:

Canadian Intellectual Property Office
Place du Portage I
50 Victoria Street, Room C-114
Gatineau QC K1A 0C9

1. Remise physique de correspondance et communications écrites à l'OPIC

Pour l'application des articles 5 et 54 des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, de l'article 2 du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et de l'article 3 du Règlement sur les topographies de circuits intégrés, l'adresse du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, du Bureau des dessins industriels, et du Bureau du registraire des topographies (ci-après parfois collectivement appelés « OPIC ») est la suivante :

Office de la propriété intellectuelle du Canada
Place du Portage I
50, rue Victoria, pièce C-114
Gatineau (Québec) K1A 0C9

In accordance with subsections 5(2), 5(3), 54(1) and 54(2) of the Patent Rules, subsection 10(2) of the Trademarks Regulations, subsections 2(2) and (3) of the Copyright Regulations, subsection 5(1) of the Industrial Design Regulations and subsections 3(2) and (3) of the Integrated Circuit Topography Regulations, correspondence and written communications delivered to the above address between 8:30 a.m. to 4:30 p.m. (Eastern Time) Monday to Friday is deemed to have been received on the actual date of their delivery if they are delivered when CIPO is open to the public.

Correspondence delivered at a time when CIPO is closed to the public will be deemed or considered to have been received on the day on which CIPO is next open to the public.

Please be advised that once correspondence is received by CIPO it cannot be returned to the sender, even if the sender states that the correspondence was sent by mistake. Exceptionally, in cases where correspondence is related to a patent application that does not meet the requirements under subsection 27.1(1) of the Patent Act for obtaining a filing date, the documents will be returned to the sender.

The Fee Payment Form should always be submitted as a covering document and should be the only document submitted

Conformément aux paragraphes 5(2), 5(3), 54(1) et 54(2) des Règles sur les brevets, du paragraphe 10(2) du Règlement sur les marques de commerce, des paragraphes 2(2) et (3) du Règlement sur le droit d'auteur, du paragraphe 5(1) du Règlement sur les dessins industriels et des paragraphes 3(2) et (3) du Règlement sur les topographies de circuits intégrés, la correspondance et les communications écrites ayant été remises à l'adresse ci-dessus entre 8h30 et 16h30 (Heure de l'Est) du lundi au vendredi seront réputées avoir été reçues le jour de leur remise, si elles sont remises alors que l'OPIC est ouvert au public.

La correspondance remise lorsque les bureaux de l'OPIC sont fermés au public sera réputée avoir été reçue le jour de la réouverture de l'OPIC au public.

Veuillez prendre note qu'une fois que l'OPIC reçoit de la correspondance, celle-ci ne peut pas être retournée à l'expéditeur, même si l'expéditeur indique que la correspondance a été envoyée par erreur. Exceptionnellement, dans le cas où la correspondance vise une demande de brevet qui ne rencontre pas les exigences du paragraphe 27.1(1) de la Loi sur les brevets pour l'obtention d'une date de dépôt, les documents seront retournés à l'expéditeur.

Le formulaire de paiements des frais devrait toujours être

to CIPO that contains financial information, such as credit card numbers.

Download the Fee Payment Form.

fourni comme page couverture et devrait être le seul document soumis à l'OPIC contenant de l'information financière telle que les numéros de carte de crédit.

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 10(1) of the Trademarks Regulations, subsection 2(4) of the Copyright Regulations, section 4 of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the following are the designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be delivered **in person**. Please note that documents, payments and payment instructions delivered to the addresses listed below **must be enclosed in a sealed envelope** and that **no in person payment transactions** are processed on site. The ordinary business hours for each designated establishment are listed below.

- Innovation, Science and Economic Development Canada
  C.D. Howe Building
  235 Queen Street, Room S-143
  Ottawa ON K1A 0H5
  Tel.: 343-291-3436

  8:30 a.m. to 4:30 p.m. (local time) Monday to Friday, except statutory holidays

- Innovation, Science and Economic Development Canada
  Sun Life Building
  1155 Metcalfe Street, Room 950
  Montreal QC H3B 2V6
  Tel.: 514-496-1797
  Toll-free: 1-888-237-3037

  8:30 a.m. to 4:30 p.m. (local time) Monday to Friday, except statutory holidays

- Innovation, Science and Economic Development Canada
  151 Yonge Street, 4th Floor
  Toronto ON M5C 2W7
  Tel.: 416-973-5000

  8:30 a.m. to 4:30 p.m. (local time) Monday to Friday,

1.1 Établissements désignés

Pour l'application des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être remise **en personne** aux établissements ou bureaux désignés suivants. Veuillez prendre note que les documents, paiements et instructions de paiements remis aux adresses énumérées ci-dessous doivent être **inclus dans une enveloppe scellée** et qu'**aucune transaction de paiement en personne** n'est traitée sur place. Les heures normales d'ouverture pour chaque établissement désigné sont indiquées ci-dessous.

- Innovation, Sciences et Développement économique Canada
  Édifice C.D. Howe
  235, rue Queen, pièce S-143
  Ottawa (Ontario) K1A 0H5
  Tél. : 343-291-3436

  8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

- Innovation, Sciences et Développement économique Canada
  Édifice Sun Life
  1155, rue Metcalfe, bureau 950
  Montréal (Québec) H3B 2V6
  Tél. : 514-496-1797
  Sans frais : 1-888-237-3037

  8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

- Innovation, Sciences et Développement économique Canada
  151, rue Yonge, 4e étage
  Toronto (Ontario) M5C 2W7
  Tél. : 416-973-5000

  8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à

except statutory holiday

- Innovation, Science and Economic Development Canada
  Canada Place
  9700 Jasper Avenue, Suite 725
  Edmonton AB T5J 4C3
  Tel.: 780-495-4782
  Toll-free: 1-800-461-2646

  8:30 a.m. to 4:30 p.m. (local time) Monday to Friday, except statutory holidays

- Innovation, Science and Economic Development Canada
  Library Square
  300 West Georgia Street, Suite 2000
  Vancouver BC V6B 6E1
  Tel.: 604-666-5000

  8:30 a.m. to 4:30 p.m. (local time) Monday to Friday, except statutory holidays

l'exception des jours fériés

- Innovation, Sciences et Développement économique Canada
  Canada Place
  9700, avenue Jasper, pièce 725
  Edmonton (Alberta) T5J 4C3
  Tél. : 780-495-4782
  Sans frais : 1-800-461-2646

  8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

- Innovation, Sciences et Développement économique Canada
  Library Square
  300, rue Georgia Ouest, pièce 2000
  Vancouver (C.-B.) V6B 6E1
  Tél. : 604-666-5000

  8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

In accordance with subsections 5(4), 5(5), 54(3) and 54(4) of the Patent Rules, subsection 10(3) of the Trademarks Regulations, subsections 2(4) and (5) of the Copyright Regulations, subsection 5(2) of the Industrial Design Regulations and subsections 3(4) and (5) of the Integrated Circuit Topography Regulations, correspondence delivered to a designated establishment on a day when CIPO is open to the public will be deemed or considered to be received on the day on which they are delivered to that designated establishment. If CIPO is closed to the public, correspondence will be deemed or considered to be received on the day on which CIPO is next open to the public. For example, if correspondence intended for CIPO is delivered to the designated establishment in Toronto on June 24, it will not be considered to be received on June 24 as CIPO is closed on that day (St-Jean-Baptiste Holiday in Quebec). It will be deemed received on the day on which CIPO is next open to the public.

Conformément aux paragraphes 5(4), 5(5), 54(3) et 54(4) des Règles sur les brevets, au paragraphe 10(3) du Règlement sur les marques de commerce, aux paragraphes 2(4) et (5) du Règlement sur le droit d'auteur, au paragraphe 5(2) du Règlement sur les dessins industriels et aux paragraphes 3(4) et (5) du Règlement sur les topographies de circuits intégrés, la correspondance remise à l'un des établissements désignés susmentionnés lorsque les bureaux de l'OPIC sont ouverts au public sera réputée ou considérée avoir été reçue le jour de leur remise à cet établissement désigné. Si les bureaux de l'OPIC sont fermés au public, la correspondance sera réputée ou considérée avoir été reçue à le jour de la réouverture de l'OPIC au public. Par exemple, la correspondance adressée à l'OPIC remise à l'établissement désigné de Toronto le 24 juin ne sera pas considérée avoir été reçue le 24 juin puisque les bureaux de l'OPIC sont fermés ce jour-là (la Saint-Jean Baptiste est un jour férié au Québec). La correspondance sera alors réputée avoir été reçue le jour de la réouverture des bureaux de l'OPIC au public.

1.2. Registered Mail™ and Xpresspost™ services of Canada Post

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the Registered Mail™ and Xpresspost™ services of Canada Post are designated establishments or designated offices to which

1.2. Services Courrier recommandé^MC et Xpresspost^MC de Postes Canada

Pour l'application des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les services Courrier recommandé^MC et Xpresspost^MC de Postes Canada sont des établissements ou des

correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered.

CIPO considers that correspondence delivered through the Registered Mail™ and Xpresspost™ services of Canada Post is received by CIPO on the day indicated on the mailing receipt provided by Canada Post, or if CIPO is closed for business on that day, on the day when CIPO is next open for business.

bureaux désignés auxquels la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être remise.

L'OPIC considère que la correspondance remise par l'entremise des services Courrier recommandé^MC et Xpresspost^MC de Postes Canada sont reçus par l'OPIC le jour indiqué sur le reçu de confirmation de Postes Canada, en autant que l'OPIC soit ouvert au public ce jour-là. Si l'OPIC est fermé au public ce jour-là, la correspondance sera réputée ou considérée avoir été reçue le jour de réouverture de l'OPIC au public.

2. Electronic Correspondence

For the purposes of section 8.1 of the Patent Act, subsection 64(1) of the Trademarks Act, subsection 24.1(1) of the Industrial Design Act and in accordance with subsections 5(6), 54(5), and 68(3) of the Patent Rules, subsection 10(4) of the Trademarks Regulations, subsection 2(6) of the Copyright Regulations, subsection 10(3) of the Industrial Design Regulations, and subsection 3(6) of the Integrated Circuit Topography Regulations, correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be sent by facsimile, online or on an electronic medium only as provided in the current notice.

In accordance with subsection 54(5) of the Patent Rules, the request for national entry is the only correspondence addressed to the Commissioner in respect of an international application that can be submitted online or on an electronic medium with the exception of sequence listings, applications prepared using the PCT-SAFE software or prepared using WIPO's ePCT online service as specified in the current notice. Other correspondence submitted online or on an electronic medium in respect of international applications that have not entered the national phase will not be accepted.

Subsection 10(5) of the Trademarks Regulations specifies certain categories of correspondence to which the provisions of subsection 10(4) do not apply.

Correspondence sent by facsimile or online to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies constitutes the original, therefore a duplicate paper copy should not be forwarded.

Correspondence delivered to the Commissioner of Patents by electronic means of transmission, including facsimile, will be considered to be received on the day that it is transmitted if delivered and received before midnight local time at CIPO on a day when CIPO is open for business. When CIPO is closed for business, correspondence delivered on that day will be considered to be received on the next day on which CIPO is

2. Correspondance électronique

Pour l'application de l'article 8.1 de la Loi sur les brevets, du paragraphe 64(1) de la Loi sur les marques de commerce, du paragraphe 24.1(1) de la Loi sur les dessins industriels, et conformément aux paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, au paragraphe 10(4) du Règlement sur les marques de commerce, au paragraphe 2(6) du Règlement sur le droit d'auteur, au paragraphe 10(3) du Règlement sur les dessins industriels et au paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être transmise par télécopieur, en ligne ou à l'aide d'un support électronique et ce, seulement de la manière indiquée dans le présent énoncé.

Conformément au paragraphe 54(5) des Règles sur les brevets, la demande d'entrée en phase nationale d'une demande internationale est la seule correspondance adressée au commissaire qui peut être présentée en ligne ou sur support électronique, à l'exception des listages de séquences, des demandes préparées à l'aide du logiciel PCT-SAFE ou préparées à l'aide du service en ligne ePCT de l'OMPI, tel qu'indiqué dans le présent avis. Toute autre correspondance présentée en ligne ou sur support électronique relativement à des demandes internationales qui ne sont pas entrées dans la phase nationale ne sera pas acceptée.

Le paragraphe 10(5) du Règlement sur les marques de commerce prévoit certaines catégories de correspondance auxquelles les dispositions du paragraphe 10(4) ne s'appliquent pas.

La correspondance envoyée par télécopieur ou en ligne au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies constitue une version originale. Par conséquent, un duplicata sur support papier ne devrait pas être expédié.

La correspondance livrée au commissaire aux brevets et reçue par voie électronique, y compris par télécopieur, est considérée comme ayant été reçue à l'OPIC le jour même de sa transmission, si elle est livrée avant minuit, heure locale,

open for business.

Correspondence delivered to the Registrar of Trademarks or the Industrial Design Office by electronic means of transmission, including facsimile, is deemed to have been received on the day on which CIPO receives it (Eastern Time).

lorsque les bureaux de l'OPIC sont ouverts au public. Si elle est transmise un jour où les bureaux de l'OPIC sont fermés au public, elle est considérée comme ayant été reçue à la date du jour d'ouverture suivant de l'OPIC.

La correspondance fournie au registraire des marques de commerce ou transmise au Bureau des dessins industriels par voie électronique, y compris par télécopieur, est réputée avoir été reçue le jour ou l'OPIC l'a reçue (Heure de l'Est).

2.1 Facsimile

Black and white facsimile correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be sent to the following facsimile numbers:

(819) 953-CIPO (2476) or (819) 953-OPIC (6742)

Colour facsimile correspondence addressed to the Registrar of Trademarks or the Industrial Design Office **must** be sent to the following facsimile number:

(819) 934-3833

Note that the model of facsimile is a Xerox C505/X and that this information may be needed to ensure a successful colour transmission.

Facsimile correspondence that is sent to any facsimile number other than those indicated above, including those of a designated establishment, will be considered not to have been received.

Evidence submitted by facsimile in respect of an opposition or section 45 proceeding **will not be accepted** due to issues such as the often-poor quality of transmission, the risk of incomplete transmission and the voluminous nature of the documents.

The electronic transmittal report returned to you following your facsimile transmission will constitute your acknowledgment receipt. Confidentiality of the facsimile transmission process cannot be guaranteed. Please note that CIPO strongly discourages the use of a computer facsimile interface or internet-based facsimile services due to technical issues with reception.

When submitting by facsimile a document that also has a fee requirement, notification of the preferred mode of payment to be applied must be prominently displayed on the Fee Payment Form to ensure expedient processing.

2.1 Correspondance par télécopieur

La correspondance en noir et blanc par télécopieur adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être transmise aux numéros ci-dessous :

819-953-OPIC (6742) ou 819-953-CIPO (2476)

La correspondance en couleur par télécopieur (modèle **:** Xerox C505/X) adressée au registraire des marques de commerce ou au Bureau des dessins industriels doit être transmise au numéro ci-dessous :

(819) 934-3833

À noter que le modèle de télécopieur est un Xerox C505/X; information qui peut être nécessaire afin de compléter une transmission en couleur.

La correspondance qui est transmise par télécopieur à tout autre numéro de télécopieur que ceux qui sont indiqués ci-dessus, y compris ceux d'établissements désignés, sera considérée comme n'ayant pas été reçue.

Les éléments de preuve présentés par télécopieur dans le cadre d'une procédure d'opposition ou de radiation en vertu de l'article 45 de la Loi **ne seront pas acceptés** en raison des inconvénients reliés à la mauvaise qualité de la transmission, au risque que la transmission soit incomplète et à la nature volumineuse de ces documents.

Le rapport de transmission électronique que vous recevrez après votre transmission par télécopieur constituera votre accusé de réception. La confidentialité du processus de transmission électronique ne peut pas être garantie. Veuillez noter que l'OPIC décourage fortement l'utilisation d'une interface de télécopie par ordinateur ou de services de télécopie par le biais d'internet étant donné les problèmes techniques probables avec la réception.

Lors de la transmission par télécopieur d'un document comprenant une demande d'acquittement de droit ou taxe, il faut clairement indiquer le mode de paiement préféré sur le formulaire de paiements des frais afin d'assurer un traitement rapide.

Patents

The document presentation requirements set out in sections 69 and 70 of the Patent Rules apply to facsimile correspondence.

Brevets

Les exigences relatives à la présentation des documents énoncées aux articles 69 et 70 des Règles sur les brevets s'appliquent à la correspondance par télécopieur.

2.2 Online

Correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent electronically using the relevant links below.

2.2 En ligne

La correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par voie électronique.

Patents

For the purpose of subsection 5(6) of the Patent Rules, correspondence addressed to the Commissioner may be sent electronically by accessing the following pages:

- filing an application (regular application);
- filing a request for national entry;
- filing an international application (PCT Safe or ePCT);
- general correspondence relating to applications and patents;
- maintaining the name of a patent agent on the register of patent agents; and
- ordering copies in paper, or electronic form of a document.

Brevets

Pour l’application du paragraphe 5(6) des Règles sur les brevets, la correspondance adressée au commissaire peut être envoyée par voie électronique, notamment en accédant aux pages suivantes :

- déposer une demande (demande régulière);
- déposer une demande d'entrée dans la phase nationale;
- déposer une demande internationale (PCT Safe ou ePCT);
- correspondance générale concernant des demandes et des brevets;
- maintien du nom d'un agent de brevets dans le registre des agents de brevets;
- commande de copies papier ou d'un document sous forme électronique.

Canada as Receiving Office Under the PCT: PCT-SAFE

Pursuant to PCT Rule 89bis, CIPO, in its role as a receiving Office, accepts the electronic filing of an international application prepared using the latest version of the WIPO's PCT-Safe software and applications prepared using WIPO's ePCT online service. Filing in both cases must be done using CIPO's International Filing e-service, called PCT E-Filing.

Note: Correspondence related to PCT international applications can not be sent electronically to CIPO. Correspondence may be sent by mail, by facsimile or delivered by hand to CIPO or to a designated establishment.

Le Canada comme office récepteur au titre du PCT : PCT-SAFE et ePCT

Conformément à la Règle 89bis du PCT, l'OPIC, à titre d'office récepteur, accepte le dépôt d'une demande internationale préparée à l'aide de la plus récente version du logiciel PCT-SAFE de l'OMPI, et d'une demande préparée à l'aide du service en ligne ePCT de l'OMPI. Dans les deux cas, le dépôt doit se faire à l'aide du service électronique de dépôt de demandes internationales de l'OPIC, appelé Dépôt en ligne de demandes PCT.

Note: La correspondance liée aux demandes internationales PCT ne peut être envoyée par voie électronique à l'OPIC. La correspondance peut être envoyée par courrier, par télécopieur ou remis en mains à l'OPIC ou à un établissement désigné.

Trademarks

For the purpose of subsection 10(4) of the Trademarks Regulations, the following correspondence addressed to the Registrar of Trademarks may be sent electronically by

Marques de commerce

Pour l’application du paragraphe 10(4) du Règlement sur les marques de commerce, la correspondance adressée au registraire des marques de commerce peut être envoyés par voie électronique, notamment en accédant aux pages suivantes

accessing the following pages:

- filing a new or revised trademark application;
- renewal of a trademark registration;
- request to enter a name on the list of trademark agents;
- annual renewal of a trademark agent;
- requesting copies of trademark documents;
- registration of a trademark application;

For the purpose of subsection 10(4) of the Trademarks Regulations, correspondence addressed to the Registrar of Trademarks in the context of opposition and section 45 proceedings may be sent electronically by accessing the Trademarks Opposition Board's online web application:

Opposition proceedings before the Trademarks Opposition Board

- filing a statement of opposition;
- filing of a counter statement;
- submission of the opponent's evidence, or statement;
- submission of the applicant's evidence, or statement;
- submission of the opponent's reply evidence;
- submission of the opponent's written representations, or statement;
- submission of the applicant's written representations, or statement;
- filing a request for a hearing; and
- requesting an extension of time.

Section 45 proceedings before the Trademarks Opposition Board

- filing a request for a section 45 notice;
- submission of the registered owner's evidence;
- submission of the requesting party's written representations, or statement;
- submission of the registered owner's written representations, or statement;
- filing a request for a hearing; and
- requesting an extension of time.

:

- nouvelle demande ou demande modifiée d'enregistrement de marque de commerce;
- renouvellement de l'enregistrement d'une marque de commerce;
- demande d'inscription d'un nom à la liste des agents de marques de commerce;
- renouvellement annuel d'un agent de marques de commerce;
- commande de copies de documents de marques de commerce,
- l'enregistrement d'une marque de commerce

Pour l'application du paragraphe 10(4) du Règlement sur les marques de commerce, la correspondance adressée au registraire des marques de commerce dans le cadre des procédures d'opposition ou de radiation en vertu de l'article 45 peut être envoyée par voie électronique en accédant à l'application web en ligne de la Commission des oppositions des marques de commerce.

Procédures d'opposition devant la Commission des oppositions des marques de commerce

- production d'une déclaration d'opposition;
- Production d'une contre-déclaration d'opposition;
- Production de la preuve de l'opposant, ou d'une déclaration;
- Production de la preuve du requérant, ou d'une déclaration;
- Production de la contre-preuve de l'opposant;
- Production des arguments écrits de l'opposant, ou déclarations;
- Soumission des arguments écrits du requérant, ou déclarations;
- Produire une demande pour une audience; et
- demande de prolongation de délai.

Procédures en vertu de l'article 45 devant la Commission des oppositions des marques de commerce

- Production d'une demande pour un avis en vertu de l'article 45;
- Production de la preuve du propriétaire inscrit;
- Production des arguments écrits de la demanderesse, ou déclaration;
- Production des arguments écrits du propriétaire inscrit, ou déclaration;
- Produire une demande pour une audience; et
- Demande de prolongation de délai.

For the purpose of subsection 2(6) of the Copyright Regulations, the following correspondence addressed to the Copyright Office may be sent electronically, by accessing the following pages:

- application for registration of a copyright in a work,
- application for registration of a copyright in a performer's performance, sound recording or a communication signal;
- filing a grant of interest;
- request for certificate of correction;
- ordering copies in paper, or electronic form of a document; and
- general correspondence relating to copyright.

Pour l'application du paragraphe 2(6) du Règlement sur le droit d'auteur, la correspondance indiquée ci-dessous qui est adressée au Bureau du droit d'auteur peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- demande d'enregistrement d'un droit d'auteur sur une œuvre,
- demande d'enregistrement d'un droit d'auteur sur une prestation, un enregistrement sonore ou un signal de communication;
- dépôt d'une concession d'intérêt;
- demande de certificat de correction;
- commande de copies des documents papier ou électroniques et
- correspondance générale relative aux droits d'auteur.

Industrial Designs

For the purpose of subsection 24.1(1) of the Industrial Design Act, the following correspondence addressed to the Industrial Design Office may be sent electronically, by accessing the following pages:

- application for registration of an industrial design;
- ordering copies in paper, or electronic form of a document;
- general correspondence relating to industrial designs; and
- payment of industrial design maintenance fees.

Dessins industriels

Pour l'application du paragraphe 24.1(1) de la Loi sur les dessins industriels, la correspondance indiquée ci-dessous qui est adressée au Bureau des dessins industriels peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- demande d'enregistrement d'un dessin industriel;
- commande de copies de documents papier ou électroniques;
- correspondance générale relative aux dessins industriels; et
- paiement des droits de maintien des dessins industriels.

Integrated Circuit Topographies

For the purpose of subsection 3(6) of the Integrated Circuit Topography Regulations, the following correspondence addressed to the Registrar of Topographies may be sent electronically, by accessing the following page:

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

Pour l'application du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance indiquée ci-dessous qui est adressée au registraire des topographies peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

Note: all electronic media must be free of worms, viruses or other malicious content. Files with malicious content will be deleted.

2.3 Supports électroniques

Note : Les supports électroniques doivent être exempts de ver informatique, de virus, ou de tout autre contenu malveillant. Les fichiers qui comprennent du contenu malveillant seront supprimés.

Brevets

Patents

The Patent Office will accept correspondence on various types of electronic medium as specified below. The electronic medium should contain a table of contents and be provided with a cover letter, which will be date stamped by CIPO and placed in the application file. Filing date requirements prescribed in the Patent Rules still remain.

When submitted on an electronic medium, the parts of the application must be logically broken down in files, which are no larger than 25 megabytes.

With regards to sequence listings under Rule 111 of the Patent Rules, the electronic medium must be separate from any electronic medium which may be filed containing parts of the application itself or amendment(s) thereof.

Le Bureau des brevets acceptera la correspondance transmise à l'aide de divers supports électroniques, tel qu'indiqué ci-dessous. Le support électronique devrait contenir une table des matières et être accompagné d'une lettre explicative, laquelle sera datée par l'OPIC et placée dans le dossier de la demande. Les exigences relatives à la date de dépôt énoncées dans les Règles sur les brevets resteront applicables.

Les parties d'une demande qui sont présentées sur support électronique doivent être logiquement réparties en fichiers de 25 mégaoctets au maximum.

En ce qui concerne les listages des séquences prévus à l'article 111 des Règles sur les brevets, le support électronique doit être distinct de tout support électronique qui peut être déposé et qui contient des parties de la demande elle-même ou des modifications relatives à la demande.

Canada as Receiving Office Under the PCT: Electronic Filing of Sequence Listings

Pursuant to PCT Rules 89bis and 89ter, and in accordance with Part 7 of the PCT Administrative Instructions, where an international application contains disclosure of one or more nucleotide and/or amino acid sequence listings, CIPO, in its role as a receiving Office, accepts that the sequence listing part of the description and/or any table related to the sequence listing(s) be filed, at the option of the applicant:

i. only on an electronic medium in electronic form in accordance with section 702 of Part 7 of the PCT Administrative Instructions; or
ii. both on an electronic medium in electronic form and on paper in accordance with section 702 of Part 7 of the PCT Administrative Instructions;

provided that the other elements of the international application are filed as otherwise provided for under the PCT.

The sequence listing part of an international application filed in electronic form and related tables filed in electronic form shall comply with the relevant provisions of Annex C and C-bis of the PCT Administrative Instructions respectively.

For this purpose the Canadian receiving Office will accept any electronic media specified in Annex F of the PCT Administrative Instructions. Where both the sequence listing and the tables are filed in electronic form, the listing and the tables shall be contained on separate electronic media, which shall contain no other programs or files.

For the purpose of processing the international application, the Canadian receiving Office requires two (2) additional copies of

Le Canada comme office récepteur au titre du PCT : Dépôt électronique des listages de séquences

Conformément aux Règles 89bis et 89ter du PCT et à la Partie 7 des Instructions administratives du PCT, lorsqu'une demande internationale contient la divulgation d'un ou de plusieurs listages des séquences de nucléotides et/ou d'acides aminés, à titre d'office récepteur l'OPIC accepte le dépôt de la partie de la description contenant les listages des séquences et/ou de tout tableau relatif aux listages des séquences et ce, à la discrétion du requérant :

i. seulement sous forme électronique et sur support électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT, ou

ii. sur support papier et sur support électronique sous forme électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT,

à condition que les autres éléments de la demande internationale soient déposés conformément aux dispositions du PCT.

Dans une demande internationale déposée sous forme électronique, la partie qui contient le listage des séquences et les tableaux connexes seront conformes aux dispositions pertinentes de l'Annexe C et de l'Annexe C-bis des Instructions administratives du PCT, respectivement.

À cette fin, l'office récepteur canadien acceptera tout support électronique prévu à l'Annexe F des Instructions administratives du PCT. Lorsque le listage des séquences et les tableaux sont déposés sous forme électronique, ils le seront sur des supports électroniques distincts ne contenant pas d'autres programmes ni fichiers.

the electronic media containing the sequence listing and/or tables in electronic form, accompanied by a statement that the sequence listings and/or tables contained in the copies are identical to those in electronic form as filed.

For further details concerning the filing of sequence listings and/or tables in electronic form, including the labeling of the electronic media and the calculation of the international filing fee, refer to section 7 of the PCT Administrative Instructions.

Aux fins du traitement de la demande internationale, l'office récepteur canadien exige deux (2) copies supplémentaires du support électronique contenant le listage de séquences et/ou les tableaux sous forme électronique, accompagnées d'une déclaration indiquant que le listage des séquences et/ou les tableaux contenus dans les copies sont identiques à ceux qui ont été déposés sous forme électronique.

On trouvera à l'article 7 des Instructions administratives du PCT des détails supplémentaires sur le dépôt de listages des séquences et/ou de tableaux sous forme électronique, notamment sur l'étiquetage des supports électroniques et le calcul de la taxe de dépôt internationale.

Electronic Media accepted by the Patent Office

The Patent Office will accept 3.5 inch diskette, CD-ROM, CD-R, DVD, DVD-R and any format as specified in Annex F of the PCT Administration Instructions.

Trademarks and Industrial Design

The Office of the Registrar of Trademarks and the Industrial Design Office will accept the following types of electronic media: CD-ROM, CD-R, DVD, DVD-R, and USB stick.

Supports électroniques acceptés par le Bureau des brevets

Le Bureau de brevets acceptera des disquettes 3,5 pouces, CD-ROM, CD-R, DVD, DVD-R et tout format spécifié à l'Annexe F des Instructions administratives du PCT.

Marques de commerce et dessins industriels

Le Bureau du registraire des marques de commerce et le Bureau des dessins industriels acceptent les supports électroniques suivants : CD ROM, CD-R, DVD, DVD-R, et clé USB.

3. Details Concerning the Electronic Formats Accepted

Patents

In accordance with section 8.1 of the Patent Act, and for the purposes of subsections 5(6), 54(5), and 68(3) of the Patent Rules, the acceptable file formats for documents submitted electronically site using the relevant links set out in section 2.2 of these correspondence procedures or on electronic media are TIFF and PDF. In order to get a correspondence date, the office will accept documents initially filed in other formats provided they are viewable with the software "Stellent Quick View Plus 8.0.0". In these cases, the office will request the documents to be replaced by documents in PDF or TIFF and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

Sequence listings can be initially provided in TIFF, PDF or in ASCII file formats. However, as a completion requirement according to section 94 of the Patent Rules, a sequence listing in the ASCII format compliant with the "PCT sequence listing standard" has to be submitted. Therefore, CIPO encourages applicants to submit the sequence listings in the ASCII format in the first place.

When applicable, the Patent Office will accept files in the

3. Précisions concernant les formats électroniques acceptés

Brevets

Conformément à l'article 8.1 de la Loi sur les brevets et aux fins des paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à l'article 2.2 des présentes procédures de correspondance ou sur support électronique sont les formats TIFF et PDF. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats à condition qu'ils soient consultables à l'aide du logiciel « Stellent Quick View Plus 8.0.0 ». Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers en format PDF ou TIFF, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents initialement déposés.

Les listages des séquences peuvent être initialement déposés sous forme de fichiers TIFF, PDF ou ASCII. Toutefois, afin de compléter la demande, conformément à l'article 94 des Règles sur les brevets, un listage des séquences en format ASCII conforme à la Norme PCT de listage des séquences devra être présenté. L'OPIC encourage donc les demandeurs à déposer les listages de séquences en format ASCII dès le départ.

TIFF, PDF and ASCII format when they comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- Resolution of either 300 or 400 dpi;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11" or A4.

PDF Format:

- Adobe Portable Document Format Version 1.4 compatible;
- Non-compressed text to facilitate searching;
- Unencrypted text;
- No embedded OLE objects;
- All fonts must be embedded and licensed for distribution.

ASCII

- Shall be encoded using IBM Code Page 437, IBM Code Page 932 or a compatible code page.

Le cas échéant, le Bureau des brevets acceptera des fichiers en format TIFF, PDF et ASCII s'ils sont conformes aux spécifications suivantes :

Format TIFF

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc
- Résolution : 300 ou 400 ppp
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po ou A4.

Format PDF

- Compatible avec Adobe Portable Document Format Version 1.4
- Texte non comprimé, pour faciliter la recherche
- Texte non chiffré
- Pas d'objets OLE incorporés
- Toutes les polices de caractère doivent être incorporées et leur distribution doit être autorisée.

ASCII

- Le texte sera encodé à l'aide des pages de codes IBM 437 ou IBM 932 ou d'une page de codes compatible.

Trademarks

For the purposes of subsection 64(1) of the Trademarks Act, the acceptable file formats for documents submitted electronically using the relevant links set out in section 2.2 of these correspondence procedures are: PNG, TIFF, JPEG, GIF, MP3, MP4, PDF, BMP and Doc.

Industrial Design

For the purposes of subsection 24.1(1) of the Industrial Design Act, the acceptable file formats for documents, other than a representation of a design, submitted electronically are WPD, DOC, DOCX and PDF. The acceptable file formats for the representation of a design are PDF, JPEG, TIFF and GIF. The file size limit is of 60MB for PDF, 10MB for the other file formats. The scanned/stored images should be of a resolution of at least 300 dpi and the dimensions must be of 21.59 cm by 27.94 cm (8.5 in by 11 in).

Note that the conversion of files to an acceptable format may result in a change to the quality of the drawings.

Marques de commerce

Pour l’application du paragraphe 64(1) de la Loi sur les marques de commerce, les formats de fichiers acceptables pour les documents fournis par un moyen électronique énoncé à la section 2.2 des présentes procédures de correspondance sont : PNG, TIFF, JPEG, GIF, MP3, MP4, PDF, BMP et Doc.

Dessins industriels

Pour l’application du paragraphe 24.1(1) de la Loi sur les dessins industriels, les formats de fichiers acceptables pour les documents autres que la représentation d’un dessin, transmis par voie électronique sont : WPD, DOC, DOCX, PDF. Les formats de fichiers acceptables pour la représentation d’un dessin sont PDF, JPEG, TIFF, et GIF. La taille maximale est de 60MB pour le format PDF et de 10MB pour tout autre format. L’image numérisée/stockée devrait être dans une résolution d’au moins 300 dpi et les dimensions doivent être de 21,59 cm par 27,94 cm (8,5 po par 11po)

Veuillez noter que la conversion de fichiers vers un format acceptable pourrait résulter en un changement à la qualité des dessins.

4. General Information

General information may be obtained by communicating with CIPO's Client Service Centre.

4. Renseignements généraux

Des renseignements généraux peuvent être obtenus en communiquant avec le Centre de services à la clientèle de l'OPIC.

5. Time Period Extensions

- Time period extensions under the Patent, Trademarks and Industrial Design Acts
- Time period extensions under the Copyright and Integrated Circuit Topography Acts
- Time period extensions under the Patent Cooperation Treaty
- Time period extensions under the Madrid Protocol and the Hague Agreement

5. Prorogation des délais

- Prorogation des délais en vertu des les Lois sur les brevets, les marques de commerce, et les dessins industriels
- Prorogation des délais en vertu des les Lois sur le droit d'auteur et les topographies de circuits intégrés
- Prorogation des délais en vertu du le Traité de coopération en matière de brevets
- Prorogation des délais en vertu du Protocole de Madrid et de l'Arrangement de La Haye

Time period extensions under the Patent, Trademarks and Industrial Design Acts

For the purposes of subsection 78(1) of the Patent Act, subsection 66(1) of the Trademarks Act, and subsection 21(1) of the Industrial Design Act, any time period fixed under those Acts and ending on 1) a **prescribed day** set out in the list below or 2) a **designated day** on account of unforeseen circumstances, will be extended to the next day that is not a prescribed day or a designated day and where CIPO is open to the public.

Designated days are those days that are designated by the Commissioner, the Registrar, or the Minister, on account of unforeseen circumstances and if they are satisfied that it is in the public interest to do so. If a day is designated, the public will be informed of that fact on CIPO's website.

Prescribed days under the Patent Act, Trademarks Act and Industrial Design Act are as follows:

- Every Saturday and Sunday;
- New Year's Day (January 1)*;
- Good Friday;
- Easter Monday;
- Victoria Day: First Monday immediately preceding May 25;
- St. Jean Baptiste Day (June 24)*;
- Canada Day (July 1)*;
- The first Monday in August;***
- Labour Day: First Monday in September;
- Thanksgiving Day: Second Monday in October;

Prorogation des délais prévus par les Lois sur les brevets, les marques de commerce, et les dessins industriels

Pour l'application du paragraphe 78(1) de la Loi sur les brevets, du paragraphe 66(1) de la Loi sur les marques de commerce, et du paragraphe 21(1) de la Loi sur les dessins industriels, tout délai fixé sous le régime de ces lois et qui expire 1) un **jour prescrit ou règlementaire** tel qu'indiqué dans la liste ci-dessous, ou 2) un **jour désigné** en raison de circonstances imprévues, sera prorogé jusqu'au jour suivant qui n'est ni un jour prescrit ni un jour désigné et où l'OPIC est ouvert au public.

Les **jours désignés** sont les jours désignés par le commissaire, le registraire, ou le ministre, où, en raison de circonstances imprévues, s'il est dans l'intérêt public de le faire. Si un jour est désigné, le public en sera informé sur le site web de l'OPIC.

Les **jours prescrits ou règlementaires** en vertu de la Loi sur les brevets, de la Loi sur les marques de commerce et de la Loi sur les dessins industriels sont les suivants :

- Tous les samedis et dimanches;
- Nouvel An (1er janvier)*;
- Vendredi Saint;
- Lundi de Pâques;
- Fête de la Reine ou Journée nationale des patriotes : Premier lundi immédiatement avant le 25 mai;
- Saint-Jean-Baptiste (24 juin)*;
- Fête du Canada (1er juillet)*;
- Le premier lundi du mois d'août***;
- Fête du travail : Premier lundi du mois de septembre;

- Remembrance Day (November 11)*;
- Christmas Day (December 25)**;
- Boxing Day (December 26)** ;
- Any day on which CIPO is closed to the public for all or part of that day during ordinary business hours.

*In the case of New Year's Day, St. Jean Baptiste Day, Canada Day and Remembrance Day, if the day falls on a Saturday or Sunday, deadlines will be extended to the following Tuesday.

**If December 25 falls on a Friday, deadlines will be extended to the following Tuesday. If December 25 falls on a Saturday or Sunday, any time periods ending on December 25 or December 26 will be extended to the following Wednesday.

***Please note that the Office is open to the public on the first Monday in August. Any time period which expires on that day will be extended to the next day the Office is open to the public (first Tuesday in August). However, any correspondence or fees submitted to the Office on that day will be deemed or considered received on that day.

Extensions for prescribed days occur regardless of place of residence or of the establishment to which documents are delivered.

Please be aware that not all provincial and territorial holidays are days where deadlines are extended. It is recommended that clients be mindful and ensure that all deadlines are respected.

- Action de Grâce : Deuxième lundi du mois d'octobre;
- Jour du Souvenir (11 novembre)*;
- Jour de Noël (25 décembre)**;
- Lendemain de Noël** ;
- Tout jour où l'OPIC est fermé au public pendant tout ou une partie des heures normales d'ouverture de l'OPIC au public.

*Si le Nouvel An, la Saint-Jean-Baptiste, la Fête du Canada, ou le Jour du Souvenir est un samedi ou un dimanche, les délais seront prorogés au mardi suivant.

**Si le 25 décembre est un vendredi, les délais seront prorogés au mardi suivant. Si le 25 décembre est un samedi ou un dimanche, les délais seront prorogés au mercredi suivant.

***Veuillez noter que les Bureaux sont ouverts au public le premier lundi du mois d'août. Tout délai qui expire ce jour-là sera prorogé au prochain jour ouvrable (premier mardi du mois d'août). Cependant, toute correspondance, droits ou taxes fournis au Bureau ce jour-là seront réputés ou considéré avoir été reçus à cette date.

La prorogation de délai concernant les jours prescrits ou règlementaires s'appliquent nonobstant du lieu de résidence ou du lieu de l'établissement auquel les documents ont été remis.

Veuillez noter que ce ne sont pas tous les jours fériés provinciaux ou territoriaux qui sont des jours prescrits ou règlementaires pour lesquels un délai peut être prorogé. Il est recommandé que les clients soient attentifs et s'assurent que tout délai soit respecté.

Time period extensions under the Copyright and Integrated Circuit Topography Acts

In accordance with section 26 of the Interpretation Act, any person choosing to deliver a document to CIPO or a designated establishment (including the Registered Mail™ and Xpresspost™ services of Canada Post) where a federal, provincial or territorial holiday exists, is entitled to an extension of any time limit for the filing of the document that expires on the holiday, until the next day that is not a holiday. It is to be noted, in respect of provincial and territorial holidays, that the entitlement to the extension is dependent on the establishment to which the document is delivered and not on the place of residence of the person for whom the document is filed or of their agent. For this purpose, documents transmitted to CIPO by electronic means, including by facsimile, would be considered to be delivered to CIPO's offices in Gatineau, Quebec.

CIPO has no practical way of keeping track of the establishment to which documents are delivered. Accordingly,

Prorogation des délais prévus par les Lois sur le droit d'auteur et sur les topographies de circuits

Selon l'article 26 de la Loi d'interprétation, lorsqu'une personne choisit de livrer un document à l'OPIC ou à un établissement désigné (y compris un bureau régional d'Innovation, Sciences et Développement économique Canada ou le service Courrier recommandé℠, ou par Xpresspost℠ de Postes Canada) dans une province où il y a un jour férié fédéral, provincial ou territorial, tout délai fixé pour le dépôt du document, qui expire un jour férié peut être prorogé jusqu'au jour non férié suivant. Dans le cas d'un jour férié provincial ou territorial, il convient de souligner que le droit à la prorogation dépend de l'établissement auquel le document est livré et non du lieu de résidence de la personne pour laquelle le document est déposé ou de son agent. À cet égard, les documents envoyés à l'OPIC par un moyen électronique, y compris par télécopieur, sont réputés être livrés aux bureaux de l'OPIC à Gatineau, au Québec.

En pratique, l'OPIC n'a aucun moyen de faire le suivi relativement aux établissements auxquels des documents sont

where a person has a time limit for the filing of a document that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. In such circumstances, it will be the responsibility of the person filing the document to ensure that he or she is properly entitled to any needed extension of the time limit.

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

If the expiration of any period during which any document or fee must reach a national Office or intergovernmental organization falls on a day:

i. on which such Office or organization is not open to the public for the purposes of the transaction of official business;

ii. on which ordinary mail is not delivered in the locality in which such Office or organization is situated;

iii. which, where such Office or organization is situated in more than one locality, is an official holiday in at least one of the localities in which such Office or organization is situated, and in circumstances where the national law applicable by that Office or organization provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day; or

iv. which, where such Office is the government authority of a Contracting State entrusted with the granting of patents, is an official holiday in part of that Contracting State, and in circumstances where the national law applicable by that Office provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day;

the period shall expire on the next subsequent day on which none of the said four circumstances exists.

Time period extensions under the Madrid Protocol and the Hague Agreement

If a period within which a communication must be received by the International Bureau of the World Intellectual Property Office would expire on a day on which the International

livrés. Par conséquent, si le délai pour le dépôt d'un document tombe un jour férié provincial ou territorial et qu'une personne le livre seulement le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement qui justifierait une prorogation du délai. Dans de telles circonstances, il incombe au déposant de s'assurer qu'il a droit à une telle prorogation.

Prolongations de délais prévus au Traité de coopération en matière de brevets

La règle 80.5 du Règlement d'exécution du PCT prévoit ce qui suit :

Si un délai quelconque pendant lequel un document ou une taxe doit parvenir à un office national ou à une organisation intergouvernementale expire un jour :

i. où cet office ou cette organisation n'est pas ouvert au public pour traiter d'affaires officielles;

ii. où le courrier ordinaire n'est pas délivré dans la localité où cet office ou cette organisation est situé;

iii. qui, lorsque cet office ou cette organisation est situé dans plus d'une localité, est un jour férié dans au moins une des localités dans lesquelles cet office ou cette organisation est situé, et dans le cas où la législation nationale applicable par cet office ou cette organisation prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant; ou

iv. qui, lorsque cet office est l'administration gouvernementale d'un État contractant chargée de délivrer des brevets, est un jour férié dans une partie de cet État contractant, et dans le cas où la législation nationale applicable par cet office prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant;

Le délai prend fin le premier jour suivant auquel aucune de ces quatre circonstances n'existe plus.

Prorogation des délais en vertu du Protocole de Madrid et de l’Arrangement de La Haye

Si un délai à l’intérieur duquel une communication doit être reçue par le Bureau international de l’Organisation mondiale de propriété intellectuelle expire un jour où le Bureau international n’est pas ouvert au public, le délai expirera lors du

Bureau is not open to the public, it will expire on the next subsequent day on which the International Bureau is open. Likewise, if the period within which a communication (such as a notification of refusal of protection) must be sent by CIPO to the International Bureau would expire on a day on which CIPO is not open to the public, it will expire on the next subsequent day on which CIPO is open.

A list of the days on which the International Bureau is closed to the public during the current and the following calendar year is available on the WIPO website.

premier jour suivant où le Bureau international est ouvert au public. Similairement, si un délai à l'intérieur duquel une communication (tel qu'une notification de refus de la protection) doit être envoyée par l'OPIC au Bureau international expire un jour où les bureaux de l'OPIC sont fermés au public, ce délai expirera lors du premier jour suivant la réouverture de l'OPIC.

Une liste des jours pendant lesquels le Bureau international est fermé au public pendant l'année civile en cours et à venir est disponible sur le site web de l'OMPI.

6. Procedures in Case of an Unexpected Office Closure at CIPO

In case of unforeseen circumstances, CIPO will attempt to remain open to the public and ensure that essential service to our clients continues with the least possible disruption or delay.

In accordance with paragraph 27.01(n) of the Patent Rules, paragraph 15(n) of the Trademarks Regulations and paragraph 36(n) of the Industrial Design Regulations, whenever CIPO is closed to the public, for all or part of a day during ordinary business hours, including closures due to extraordinary circumstances, time periods will be extended to the next day that is not a prescribed or a designated day and where CIPO is open to the public.

For Copyright and Integrated Circuit Topography, if CIPO is closed to the public due to extraordinary circumstances, CIPO considers all time limits to be extended until the next day that it is open to the public. In such situations, mail delivered to CIPO or to designated establishments will be considered to be received on the date that CIPO re-opens to the public, with the exception of correspondence addressed to the Registrar of Topographies.

In view of the date-sensitive nature of intellectual property (IP), clients are advised to address important deadlines ahead of time to minimize the risk of affecting their IP rights. For the purposes of such deadlines, unless otherwise notified, clients should assume that all due dates remain in effect.

When possible during an emergency, information and search systems will continue to be available on our website; however, services provided through the Client Service Centre and other support areas within CIPO may be temporarily unavailable. Should an emergency occur, CIPO will post information with respect to service interruptions on our website as it becomes available and as circumstances permit.

Clients are **strongly encouraged** to send date-sensitive material through Canada Post by Registered Mail™ or Xpresspost™ or to use electronic means using the relevant links set out in section 2.2 of these correspondence procedures. Documents may continue to be faxed to CIPO at 819-953-CIPO (953-2476). Date-sensitive material requiring fee

6. Procédures en cas de fermeture des bureaux

Lors de circonstances imprévues, l'OPIC s'efforcera de demeurer ouvert au public et d'assurer un service essentiel à ses clients, et ce, avec le moins d'interruption ou de retard possible.

Conformément à l'alinéa 27.01n) des Règles sur les Brevets, l'alinéa 15n) du Règlement sur les marques de commerce et de l'alinéa 36n) du Règlement sur les dessins industriels, lorsque les bureaux de l'OPIC sont fermés au public pendant toute ou une partie des heures normales d'ouverture, y compris une fermeture en raison de circonstances extraordinaires, les délais seront prorogés au jour suivant qui ne sera pas un jour prescrit ou un jour désigné et où l'OPIC est ouvert au public .

Pour les droits d'auteur et les topographies de circuits intégrés, si les bureaux de l'OPIC sont fermés au public en raison de circonstances extraordinaires, l'OPIC considère que tous les délais sont prorogés au prochain jour d'ouverture au public. Dans de telles circonstances, le courrier livré à l'OPIC ou à des établissements désignés sera considéré avoir été reçu à la date du jour de la réouverture de l'OPIC au public, à l'exception de la correspondance adressée au registraire des topographies.

Étant donné **l'importance que revêtent les délais** en matière de propriété intellectuelle (PI), il est recommandé aux clients de minimiser les risques pouvant nuire à leurs droits en matière de PI en tenant compte à l'avance des dates limites importantes. En ce qui a trait aux délais prescrits, les clients doivent respecter toutes les dates d'échéance, à moins d'avis contraire.

En situation d'urgence, les systèmes d'information et de recherche resteront, dans la mesure du possible, accessibles à partir de notre site Web. Toutefois, les services fournis par le Centre de services à la clientèle et les autres services de soutien de l'OPIC pourraient temporairement ne pas être offerts. En situation d'urgence, l'OPIC va publier les renseignements nécessaires sur notre page d'interruptions des services, lorsque ceux-ci seront disponibles et les circonstances le permettront.

Les clients sont **fortement encouragés** de faire parvenir les documents assujettis à des délais précis par Postes Canada par Courrier recommandé[MC], par Xpresspost[MC] ou par voie électronique en utilisant les liens spécifiés à l'article 2.2 des présentes procédures de correspondance. Il est toujours

payment that is sent by fax must be accompanied by a VISA™, MasterCard™, or American Express™ credit card number, or CIPO deposit account number.

Please note that there may also be instances in which the designated offices may be temporarily closed, yet CIPO remains open to the public. In such situations, it remains **the responsibility of CIPO's clients** to ensure that all deadlines are respected.

possible de transmettre par télécopieur des documents à l'OPIC en composant le 819-953-OPIC (953-6742). Cependant, les documents assujettis à des délais pour lesquels des droits ou taxes sont exigés, qui sont envoyés par télécopieur, doivent être accompagnés d'un numéro de carte VISA[MC], Mastercard[MC] ou American Express[MC] ou d'un numéro de compte de dépôt à l'OPIC.

Veuillez noter qu'il pourrait y avoir des cas où les bureaux régionaux seraient fermés temporairement, mais où l'OPIC resterait ouvert au public. Le cas échéant, **les clients de l'OPIC demeurent responsables** du respect de tous les échéanciers.

7. Procedures when CIPO is Open to the Public but Clients are Unable to Communicate with the Office

Patents, Industrial Design, Copyright and Integrated Circuit Topography

The legislative framework in relation with the abovementioned types of intellectual property does not provide CIPO with the flexibility to extend deadlines when it is open to the public but clients are unable to communicate with the Office.

In these situations it remains the responsibility of clients to ensure that all deadlines are respected.

Trademarks

The Trademarks Act and Regulations allow clients to request a retroactive extension of time when a due date has been missed due to a force majeure type situation. In order for a retroactive extension of time to be granted, the Registrar of Trademarks must be satisfied that the failure to do the act or apply for an extension of time before the original due date was not reasonably avoidable. A prescribed fee is required in certain cases.

7. Procédures à suivre lorsque l'Office est ouvert au public, mais les clients sont incapables de communiquer avec l'Office

Brevets, dessins industriels, droit d'auteur et topographies de circuits intégrés

Le cadre législatif en rapport aux types de propriété intellectuelle mentionnés ci-haut ne donne pas à l'OPIC la flexibilité de proroger les délais lorsque l'Office est ouvert au public, mais les clients sont dans l'impossibilité de communiquer avec le l'Office.

Dans une telle situation, les clients demeurent tenus de veiller à ce que les échéances soient respectées.

Marques de commerce

La Loi sur les marques de commerce et le Règlement sur les marques de commerce permettent aux clients de demander une prolongation rétroactive lorsqu'un délai n'a pas été respecté en raison d'un cas de force majeure. Pour qu'une prolongation de délai rétroactive soit accordée, le registraire des marques de commerce doit être convaincu que l'omission d'accomplir l'acte ou de demander la prorogation avant la date initiale d'échéance n'était pas raisonnablement évitable. Un droit prescrit est exigé dans certains cas.

8. Intellectual property acts, rules and regulations

- Copyright Act
- Copyright Regulations
- Industrial Design Act
- Industrial Design Regulations
- Integrated Circuit Topography Act
- Integrated Circuit Topography Regulations
- Interpretation Act
- Patent Act

8. Lois, règles et règlements sur la propriété intellectuelle

- Loi sur le droit d'auteur
- Règlement sur le droit d'auteur
- Loi sur les dessins industriels
- Règlement sur les dessins industriels
- Loi sur les topographies de circuits intégrés
- Règlement sur les topographies de circuits intégrés
- Loi d'interprétation
- Loi sur les brevets
- Règles sur les brevets

- Patent Rules
- Regulations under the PCT
- Trademarks Act
- Trademarks Regulations

- Règlement d'exécution du PCT
- Loi sur les marques de commerce
- Règlement sur les marques de commerce

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of June 25, 2024 contains applications open to public inspection from June 9, 2024 to June 15, 2024.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 25 juin 2024 contient les demandes disponibles au public pour consultation pour la période du 9 juin 2024 au 15 juin 2024.

Canadian Patents Issued

June 25, 2024

Brevets canadiens délivrés

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[54] **SYSTEM AND METHOD FOR IDENTIFYING A COMMUNICATION FOR ROUTING PURPOSES USING INTERNET PROTOCOL ADDRESSES THAT ARE ALLOCATED BY AND SHARED AMONGST INTERNET SERVICE PROVIDER NETWORKS**
[54] **SYSTEME ET METHODE POUR DETERMINER UNE COMMUNICATION AUX FINS D'ACHEMINEMENT A L'AIDE D'ADRESSES IP ATTRIBUEES ET PARTAGEES PAR LES RESEAUX DE FOURNISSEURS DE SERVICES INTERNET**
[72] BABARIA, JIGAR, US
[72] NADAR, SRINIVASA, US
[73] TATA COMMUNICATIONS (AMERICA) INC., US
[85] 2017-07-19
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[54] **TUBULAR STRUCTURES WITH VARIABLE SUPPORT**
[54] **STRUCTURES TUBULAIRES A SUPPORT VARIABLE**
[72] KROLIK, JEFFERY, US
[72] KHOKHAR, RAJAN, US
[73] Q'APEL MEDICAL, INC., US
[85] 2017-07-20
[86] 2016-01-20 (PCT/US2016/014193)
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[30] US (62/125,294) 2015-01-20
[30] US (62/196,902) 2015-07-24

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[25] EN
[54] **HOLLOW SILICA NANOPARTICLES WITH ENCAPSULATED BIOACTIVE INGREDIENTS, PREPARATION PROCESS AND APPLICATIONS THEREOF**
[54] **NANOPARTICULES DE SILICE CREUSES DOTEES D'INGREDIENTS BIOACTIFS ENCAPSULES, PROCEDES DE PREPARATION ET APPLICATIONS ASSOCIEES**
[72] MOU, CHUNG-YUAN, CN
[72] KOU, NAI-YUAN, CN
[72] WU, SI-HAN, CN
[72] CHEN, YI-PING, CN
[73] NATIONAL TAIWAN UNIVERSITY, CN
[86] (2976857)
[87] (2976857)
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[54] **MEDICAL DEVICES FOR GENERATING HEAT AND METHODS OF TREATMENT USING SAME**
[54] **DISPOSITIFS MEDICAUX DE GENERATION DE CHALEUR ET PROCEDES DE TRAITEMENT LES UTILISANT**
[72] WAUGH, JACOB M., US
[72] ELKINS, CHRISTOPHER, US
[72] RHEE, HYOP, US
[73] CANDESANT BIOMEDICAL, INC., US
[85] 2017-08-17
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[54] **METHODS FOR THE TREATMENT OF ABNORMAL INVOLUNTARY MOVEMENT DISORDERS**
[54] **METHODES DE TRAITEMENT DE TROUBLES DES MOUVEMENTS INVOLONTAIRES ANORMAUX**
[72] STAMLER, DAVID, US
[72] HUANG, MICHAEL FANGCHING, US
[73] AUSPEX PHARMACEUTICALS, INC., US
[85] 2017-08-25
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[25] EN
[54] **METHOD FOR INDUCING DIFFERENTIATION OF ALVEOLAR EPITHELIAL CELLS**
[54] **PROCEDE D'INDUCTION DE LA DIFFERENCIATION DE CELLULES EPITHELIALES ALVEOLAIRES**
[72] GOTOH, SHIMPEI, JP
[72] YAMAMOTO, YUKI, JP
[72] KONISHI, SATOSHI, JP
[72] MISHIMA, MICHIAKI, JP
[73] KYOTO UNIVERSITY, JP
[85] 2017-09-06
[86] 2016-03-02 (PCT/JP2016/057254)
[87] (WO2016/143803)
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[25] EN
[54] **SYSTEMS AND METHODS OF REDUCING A BACTERIA POPULATION IN HIGH HYDROGEN SULFIDE WATER**
[54] **SYSTEMES ET PROCEDES DE REDUCTION D'UNE POPULATION BACTERIENNE DANS DE L'EAU A TENEUR ELEVEE EN SULFURE D'HYDROGENE**
[72] BUSCHMANN, WAYNE, US
[73] CLEAN CHEMISTRY, INC., US
[85] 2017-09-26
[86] 2016-03-25 (PCT/US2016/024207)
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[30] US (62/138,627) 2015-03-26
[30] US (62/147,558) 2015-04-14
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[54] **METHODS OF STRATIFYING PATIENTS FOR TREATMENT WITH RETINOIC ACID RECEPTOR-.ALPHA. AGONISTS**
[54] **METHODES DE STRATIFICATION DES PATIENTS EN VUE D'UN TRAITEMENT AU MOYEN D'ANTAGONISTES DE RECEPTEUR .ALPHA. D'ACIDE RETINOIQUE**
[72] CHEN, MEI WEI, US
[72] COLLINS, CINDY, US
[72] EATON, MATTHEW LUCAS, US
[72] GUENTHER, MATTHEW G., US
[72] KE, NAN, US
[72] LOPEZ, JEREMY, US
[72] MCKEOWN, MICHAEL R., US
[72] ORLANDO, DAVID A., US
[73] SYROS PHARMACEUTICALS, INC., US
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[25] EN
[54] **POROUS CYCLODEXTRIN POLYMERIC MATERIALS AND METHODS OF MAKING AND USING SAME**
[54] **MATERIAUX POLYMERES POREUX A BASE DE CYCLODEXTRINE ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] DICHTEL, WILLIAM R., US
[72] ALSBAIEE, ALAAEDDIN, US
[72] SMITH, BRIAN J., US
[72] HINESTROZA, JUAN, US
[72] ALZATE-SANCHEZ, DIEGO, US
[72] XIAO, LEILEI, US
[72] LING, YUHAN, US
[72] HELBLING, DAMIAN, US
[73] CORNELL UNIVERSITY, US
[85] 2017-10-17
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[54] **STRIPPING TOOL**
[54] **OUTIL A DENUDER**
[72] MANSER, FRANZ, CH
[72] HENZMANN, PASCAL, CH
[72] SIEGRIST, THOMAS, CH
[73] HUBER+SUHNER AG, CH
[85] 2017-10-18
[86] 2016-04-26 (PCT/EP2016/059285)
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[51] **Int.Cl. G06F 16/90 (2019.01) G06F 16/903 (2019.01)**
[25] EN
[54] **DATA SEPARATION AND WRITE REDIRECTION IN MULTI-TENANCY DATABASE SYSTEMS**
[54] **SEPARATION DE DONNEES ET REDIRECTION D'ECRITURE DANS LES SYSTEMES DE BASE DE DONNEES A PLUSIEURS OCCUPANTS**
[72] AUER, ULRICH, DE
[72] BIRN, IMMO-GERT, DE
[72] HAUCK, RALF-JUERGEN, DE
[72] SCHLARB, UWE, DE
[72] STORK, CHRISTIAN, DE
[72] WALTER, WELF, DE
[72] ZIEGLER, TORSTEN, DE
[72] DRIESEN, VOLKER, DE
[73] SAP SE, DE
[86] (2984744)
[87] (2984744)
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[54] **ALKALINE CELL WITH IMPROVED DISCHARGE EFFICIENCY**
[54] **PILE ALCALINE AVEC UNE EFFICACITE DE DECHARGE AMELIOREE**
[72] ARMACANQUI, M. EDGAR, US
[72] LI, WEN, US
[72] CROWE, DONALD RAYMOND, US
[72] ROSZKOWSKI, ANDREW J., US
[72] HADLEY, JOHN, US
[72] ROSE, JANNA, US
[73] ENERGIZER BRANDS, LLC, US
[85] 2017-11-10
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[25] EN
[54] **EXTENDABLE TRAILER FOR FREIGHT CONTAINERS**
[54] **REMORQUE EXTENSIBLE DESTINEE A DES CONTENANTS DE MARCHANDISES**
[72] MORENA, ANDREW, CA
[72] NADON, PATRICK, CA
[73] EQUIPEMENT MAX-ATLAS INTERNATIONAL INC., CA
[86] (2987421)
[87] (2987421)
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[25] EN
[54] **OPERATING METHOD OF A WIND POWER JIB OF A CRANE AND CRANE**
[54] **METHODE D'EXPLOITATION D'UNE FLECHE D'EOLIENNE D'UNE GRUE ET GRUE**
[72] SHAN, ZENGHAI, CN
[72] ZHAO, RUIXUE, CN
[72] CHEN, ZHICAN, CN
[72] WANG, SHOUWEI, CN
[72] ZHANG, ZHENGDE, CN
[72] ZHANG, PINGHAI, CN
[73] XUZHOU HEAVY MACHINERY CO., LTD., CN
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[87] (2987663)
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[25] EN
[54] **DYNAMIC COMMUNICATION ROUTING BASED ON CONSISTENCY WEIGHTING AND ROUTING RULES**
[54] **ROUTAGE DYNAMIQUE DE COMMUNICATION BASE SUR DES REGLES DE ROUTAGE ET DE PONDERATION DE COHERENCE**
[72] BARAK, MATAN, US
[72] DIMENSTEIN, EFIM, US
[72] LAHAV, SHLOMO, US
[73] LIVEPERSON, INC., US
[85] 2017-12-01
[86] 2016-06-02 (PCT/US2016/035535)
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[30] US (62/169,726) 2015-06-02
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[25] EN
[54] **AN ARRANGEMENT OF COATINGS FOR A TWO-STROKE ENGINE PISTON**
[54] **UN ARRANGEMENT DE REVETEMENTS DESTINE A UN PISTON DE MOTEUR A DEUX TEMPS**
[72] BEAUDOIN, MARC-ANTOINE, CA
[73] BEAUDOIN, MARC-ANTOINE, CA
[86] (2989016)
[87] (2989016)
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[25] EN
[54] **METHOD FOR PRODUCING PYRROLE COMPOUND**
[54] **PROCEDE DE PRODUCTION D'UN COMPOSE PYRROLE**
[72] OUCHI, TAKASHI, JP
[72] GOH, GIHO, KR
[72] KIM, SUNMI, KR
[72] CHOI, JINSOON, KR
[72] PARK, HUNSOO, KR
[73] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2017-12-29
[86] 2016-06-29 (PCT/JP2016/069258)
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[25] EN
[54] **VALVE SEAT STIFFENER**
[54] **RAIDISSEUR DE SIEGE DE SOUPAPE**
[72] ABOUELLEIL, ASHRAF, US
[72] SAVALIA, PURUSHOTTAM, US
[73] MUELLER INTERNATIONAL, LLC, US
[85] 2018-01-18
[86] 2016-08-23 (PCT/US2016/048141)
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[51] **Int.Cl. G06Q 10/08 (2023.01) B65D 23/14 (2006.01) G06K 7/10 (2006.01) G06K 19/06 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR TRACKING CONTAINERS**
[54] **PROCEDE ET SYSTEME POUR SUIVRE DES CONTENANTS**
[72] SMITH, ROGER P., US
[72] ANDERSON, CHRIS D., US
[72] DANGMANN, OLIVIER, FR
[72] CARACCIOLO, ANTHONY R., US
[72] INGLE, CASEY L., US
[73] OWENS-BROCKWAY GLASS CONTAINER INC., US
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[54] **RADIATION CURABLE COMPOSITIONS FOR LOW GLOSS COATINGS**
[54] **COMPOSITIONS DURCISSABLES PAR RAYONNEMENT POUR REVETEMENTS A FAIBLE BRILLANT**
[72] VAN MEULDER, GUIDO, BE
[73] ALLNEX BELGIUM, S.A., BE
[85] 2018-02-19
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[25] EN
[54] **HEAT RECOVERY APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE RECUPERATION DE CHALEUR**
[72] GIL, VICENTE, CA
[72] GIL, JOHN, CA
[72] GIL, CAMILO, CA
[72] RIBEIRO, ADELINO, CA
[72] RIBEIRO, DAVID, CA
[73] 2078095 ONTARIO LIMITED, CA
[86] (2997357)
[87] (2997357)
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[25] EN
[54] **HOISTING SYSTEM FOR INSTALLING A WIND TURBINE**
[54] **SYSTEME DE HISSAGE POUR L'INSTALLATION D'UNE EOLIENNE**
[72] LAGERWEIJ, HENDRIK LAMBERTUS, NL
[72] PUBANZ, ANDRE HEINZ, NL
[72] VAN DE POL, AART, NL
[72] WAAIJENBERG, ALBERT, NL
[72] CORTEN, GUSTAVE PAUL, NL
[73] LAGERWEY WIND B.V., NL
[85] 2018-03-26
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[87] (WO2017/055598)
[30] NL (1041499) 2015-10-01
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[54] **VALVE BODY INSERT APPARATUS AND RELATED METHODS**
[54] **APPAREIL D'ELEMENT RAPPORTE DE CORPS DE VANNE ET PROCEDES ASSOCIES**
[72] HELFER, WADE JONATHON, US
[73] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2018-03-28
[86] 2016-10-07 (PCT/US2016/055889)
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[13] C
[51] **Int.Cl. C12N 15/10 (2006.01) G01N 33/537 (2006.01)**
[25] EN
[54] **EARLY POST-TRANSFECTION ISOLATION OF CELLS (EPIC) FOR BIOLOGICS PRODUCTION**
[54] **ISOLEMENT POST-TRANSFECTION PRECOCE DE CELLULES (EPIC) POUR LA PRODUCTION DE PRODUITS BIOLOGIQUES**
[72] CAIRNS, VICTOR R., US
[72] DEMARIA, CHRISTINE, US
[72] VITKO, JASON, US
[73] GENZYME CORPORATION, US
[85] 2018-04-05
[86] 2016-10-07 (PCT/US2016/055918)
[87] (WO2017/062724)
[30] US (62/239,515) 2015-10-09

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[51] **Int.Cl. C12N 15/10 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **METHODS FOR CELL-FREE DNA EXTRACTION FOR NON-INVASIVE PRENATAL SCREENING**
[54] **PROCEDES D'EXTRACTION D'ADN ACELLULAIRE POUR LE DEPISTAGE PRENATAL NON INVASIF**
[72] ANDERSON, BEN, US
[72] STROM, CHARLES, US
[72] TSAO, DAVID, US
[72] LIU, YAN, US
[72] SUN, WEIMIN, US
[73] QUEST DIAGNOSTICS INVESTMENTS INCORPORATED, US
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[54] **HUMANIZED ANTI-DKK2 ANTIBODY AND USES THEREOF**
[54] **ANTICORPS ANTI-DKK2 HUMANISES ET LEURS UTILISATIONS**
[72] WU, DIANQING, US
[72] CHEN, BO, US
[72] WU, HAI, US
[73] YALE UNIVERSITY, US
[85] 2018-04-25
[86] 2016-10-20 (PCT/US2016/057814)
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[25] EN
[54] **TREATMENT OF NERVOUS SYSTEM DISORDERS USING COMBINATIONS OF RXR AGONISTS AND THYROID HORMONES**
[54] **TRAITEMENT DES TROUBLES DU SYSTEME NERVEUX AU MOYEN DE COMBINAISONS D'AGONISTES DE RXR ET D'HORMONES THYROIDIENNES**
[72] CHANDRARATNA, ROSHANTHA A., US
[72] SANDERS, MARTIN E., US
[73] IO THERAPEUTICS, INC., US
[85] 2018-04-30
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[30] US (62/249,216) 2015-10-31

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[54] **RUPTURE DISC DEVICE AND METHOD OF ASSEMBLY THEREOF**
[54] **DISPOSITIF A DISQUE DE RUPTURE ET SON PROCEDE D'ASSEMBLAGE**
[72] WILSON, ALAN T., US
[72] FRANKS, HUNTER, US
[72] HENTZEN, BRANDON, US
[72] KMITTA, MICHAEL, US
[72] BLACKMON, MARK RANDALL, US
[72] EVANS, ROBERT, US
[73] OKLAHOMA SAFETY EQUIPMENT COMPANY, INC., US
[85] 2018-05-01
[86] 2016-11-04 (PCT/US2016/060667)
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[30] US (62/252,176) 2015-11-06
[30] US (62/281,016) 2016-01-20

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[25] EN
[54] **ARTICULATED WORK VEHICLE WITH A POWER TAKE-OFF SHAFT AND METHOD FOR DRIVING THE POWER TAKE-OFF SHAFT OF SUCH A VEHICLE**
[54] **VEHICULE DE TRAVAIL ARTICULE POURVU D'UN ARBRE DE PRISE DE FORCE ET PROCEDE POUR ENTRAINER L'ARBRE DE PRISE DE FORCE D'UN TEL VEHICULE**
[72] MCADAM, JAMES, IE
[72] MCHUGH, GERARD, IE
[72] DUFF, ANTHONY, IE
[72] MCHUGH, DALLAN, IE
[72] MCELCHAR, DANIEL, IE
[72] HAMPSHIRE, SAMUEL, IE
[73] MULTIHOG R&D LIMITED, IE
[85] 2018-05-01
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[54] **METHODS AND APPARATUS TO CALIBRATE ROD PUMP CONTROLLERS**
[54] **PROCEDES ET APPAREIL POUR ETALONNER DES CONTROLEURS DE POMPE A TIGE**
[72] MILLS, THOMAS MATTHEW, US
[73] BRISTOL, INC., D/B/A REMOTE AUTOMATION SOLUTIONS, US
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[54] **CONDUITS D'AIR DESTINE A LA GESTION DE L'ECOULEMENT DE L'AIR, ET SYSTEMES ET METHODES ASSOCIES**
[72] TEMPLE, SCOTT, US
[73] PACCAR INC, US
[86] (3007231)
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[54] **MACHINE WITH BALLAST RECEIVING DEVICE**
[54] **MACHINE EQUIPEE D'UN DISPOSITIF DE COLLECTE DE BALLAST**
[72] BRUNNINGER, MANFRED, AT
[73] PLASSER & THEURER EXPORT VON BAHNBAUMASCHINEN GESELLSCHAFT M.B.H., AT
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[54] **INSULATION PRODUCT CMOPRISING BULK MINERAL WOOL**
[54] **PRODUIT D'ISOLATION COMPRENANT DE LA LAINE MINERALE EN VRAC**
[72] DOVETTA, NICOLAS, FR
[72] SIBAND, MATHILDE, FR
[72] DE FRANCQUEVILLE, FOUCAULT, FR
[73] SAINT-GOBAIN ISOVER, FR
[85] 2018-06-14
[86] 2016-12-23 (PCT/FR2016/053660)
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[25] EN
[54] **MILLS WITH SHEARABLE CUTTING MEMBERS FOR MILLING CASINGS IN WELLBORES**
[54] **FRAISE A ELEMENTS DE COUPE CISAILLABLES POUR LE FRAISAGE DE TUBAGES DANS DES PUITS DE FORAGE**
[72] HART, DANIEL R., US
[73] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2018-06-14
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[54] **SENSOR MODULE AND TOOL HOLDER FOR A CUTTING TOOL**
[54] **MODULE DE CAPTEUR ET PORTE-OUTIL POUR UN OUTIL DE COUPE**
[72] KALHORI, VAHID, SE
[72] KARLSSON, ROBIN, SE
[73] SANDVIK INTELLECTUAL PROPERTY AB, SE
[85] 2018-06-15
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[54] **DEVICE AND SYSTEM FOR DETECTING A SIGNAL FOR LOCATING AN UNDERWATER SOURCE**
[54] **DISPOSITIF ET SYSTEME DE DETECTION D'UN SIGNAL POUR LA LOCALISATION D'UNE SOURCE SOUS-MARINE**
[72] CLAVIER, VINCENT, FR
[73] ECA ROBOTICS, FR
[85] 2018-06-18
[86] 2016-12-21 (PCT/FR2016/053620)
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[51] **Int.Cl. A23P 30/34 (2016.01) A23L 7/17 (2016.01) A21C 11/16 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PRODUCING FLAKE-LIKE CEREAL WITHOUT THE USE OF A FLAKING MILL**
[54] **APPAREIL ET PROCEDE POUR PRODUIRE UNE CEREALE DE TYPE FLOCON SANS UTILISER D'APPAREIL DE FLOCONNAGE**
[72] GIMMLER, NORBERT, US
[72] LAUBENTHAL, KEVIN J., US
[73] KELLANOVA, US
[85] 2018-06-19
[86] 2017-01-18 (PCT/US2017/013919)
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[25] EN
[54] **PHARMACEUTICAL COMBINATION FORMULATION**
[54] **PREPARATION COMPOSITE PHARMACEUTIQUE**
[72] RYU, JEI-MAN, KR
[72] PARK, WOO-ILE, KR
[72] KANG, KYOUNG-HWAN, KR
[72] KIM, WOO-KYUNG, KR
[72] CHAE, AH-REUM, KR
[72] KIM, SOO-WON, KR
[72] JUNG, HYUN-WOO, KR
[72] LEE, JAE-YOUNG, KR
[73] SHIN POONG PHARMACEUTICAL CO., LTD., KR
[85] 2018-06-21
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[25] EN
[54] **ANIMAL FEED BOLUS AND METHODS FOR MANUFACTURING THE SAME**
[54] **BOLUS D'ALIMENTATION ANIMALE ET PROCEDES POUR LE FABRIQUER**
[72] BEGUIN, JEAN MARIE, FR
[72] DAGORNE, RENE-POL, FR
[73] CAN TECHNOLOGIES, INC., US
[85] 2018-06-29
[86] 2016-11-22 (PCT/US2016/063279)
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[30] US (62/276,389) 2016-01-08

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[25] EN
[54] **VALVE FOR BYPASS CONDUIT**
[54] **SOUPAPE DE CONDUIT DE DERIVATION**
[72] FIORENZA, FRANCESCO, CA
[73] SMART RS INC., CA
[86] (3010479)
[87] (3010479)
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[51] **Int.Cl. C10M 163/00 (2006.01) B62J 31/00 (2006.01) B62K 11/00 (2013.01) C10M 135/18 (2006.01) C10M 137/10 (2006.01) C10M 159/00 (2006.01)**
[25] EN
[54] **MOTORCYCLE LUBRICANT**
[54] **LUBRIFIANT POUR MOTOCYCLETTE**
[72] LIM, PEI YI, SG
[72] YOUNG, ANEE WAI-YU, SG
[73] INFINEUM INTERNATIONAL LIMITED, GB
[86] (3012205)
[87] (3012205)
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[54] **VEHICLE COLOR-LIGHTING CONTROL SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE COMMANDE D'ECLAIRAGE DE COULEUR DE VEHICULE**
[72] HACK, JONATHAN WAYNE, CA
[73] BOMBARDIER INC., CA
[85] 2018-07-23
[86] 2017-02-17 (PCT/IB2017/050926)
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[25] FR
[54] **DEVICE FOR MEASURING A FORCE**
[54] **DISPOSITIF DE MESURE D'UNE FORCE**
[72] HOGREL, JEAN-YVES, FR
[73] ASSOCIATION INSTITUT DE MYOLOGIE, FR
[85] 2018-08-03
[86] 2017-02-15 (PCT/EP2017/053428)
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[25] EN
[54] **NON-INVASIVE OCULAR DRUG DELIVERY INSERT TECHNOLOGY**
[54] **TECHNOLOGIE NON INVASIVE DE TYPE INSERT POUR L'ADMINISTRATION OCULAIRE DE MEDICAMENTS**
[72] MOTA LEITE MACHADO MARIZ, MARCOS JOAO, PT
[72] NUNES FERREIRA CALVINHO, PAULA CRISTINA, PT
[72] MENDES GIL, MARIA HELENA, PT
[72] NETO MURTA, JOAQUIM CARLOS, PT
[73] UNIVERSIDADE DE COIMBRA, PT
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[86] 2017-02-10 (PCT/IB2017/050731)
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[54] **SELECTIVE CATALYSTS FOR SPINETORAM PRODUCTION**
[54] **CATALYSEURS SELECTIFS POUR LA PRODUCTION DE SPINETORAM**
[72] FOSKEY, TAKIYA J., US
[73] CORTEVA AGRISCIENCE LLC, US
[85] 2018-08-09
[86] 2017-02-28 (PCT/US2017/019873)
[87] (WO2017/151575)
[30] US (62/303,407) 2016-03-04

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[51] **Int.Cl. G06F 3/0486 (2013.01)**
[25] EN
[54] **OPERATING VISUAL USER INTERFACE CONTROLS WITH INK COMMANDS**
[54] **UTILISATION DE COMMANDES D'INTERFACE UTILISATEUR VISUELLES AVEC COMMANDES D'ENCRE**
[72] DUHON, DAVID WALKER, US
[72] SUN, YIBO, US
[72] TU, XIAO, US
[72] ZHOU, FRANCIS, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2018-08-16
[86] 2017-03-23 (PCT/US2017/023697)
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[30] US (15/084,272) 2016-03-29

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[51] **Int.Cl. C07C 5/22 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING EXO-TETRAHYDRODICYCLOPENTADIENE**
[54] **PROCEDE DE PRODUCTION D'EXO-TETRAHYDRODICYCLOPENTADIENE**
[72] MATHUR, INDRESH, US
[72] KRIEL, KAREL JOHANNES, US
[72] YONEMOTO, EDWARD HIROHITO, US
[73] MONUMENT CHEMICAL HOUSTON, LLC, US
[85] 2018-08-28
[86] 2017-02-09 (PCT/US2017/017154)
[87] (WO2017/151286)
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[13] C
[51] **Int.Cl. A61M 37/00 (2006.01)**
[25] EN
[54] **DRUG DELIVERY DEVICE WITH HOUSING AND SEPARABLE MICRONEEDLES**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT COMPRENANT UN LOGEMENT ET DES MICRO-AIGUILLES SEPARABLES**
[72] MCALLISTER, DEVIN V., US
[72] PRAUSNITZ, MARK R., US
[72] HENRY, SEBASTIEN, US
[73] GEORGIA TECH RESEARCH CORPORATION, US
[85] 2018-09-06
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[25] EN
[54] **SYSTEM AND METHOD FOR TRAINING OBJECT CLASSIFIER BY MACHINE LEARNING**
[54] **SYSTEME ET PROCEDE D'APPRENTISSAGE DE CLASSIFICATEUR D'OBJET PAR APPRENTISSAGE AUTOMATIQUE**
[72] SHRIVASTAVA, ASHISH, CA
[73] MOTOROLA SOLUTIONS, INC., US
[85] 2018-09-07
[86] 2017-03-14 (PCT/CA2017/050334)
[87] (WO2017/156628)
[30] US (62/309,777) 2016-03-17

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[51] **Int.Cl. G02B 6/38 (2006.01)**
[25] EN
[54] **FERRULE-BASED FIBER OPTIC CONNECTORS WITH FERRULE RETRACTION BALANCING**
[54] **CONNECTEURS DE FIBRES OPTIQUES A FERRULE PRESENTANT UN EQUILIBRAGE DE RETRACTION DE FERRULE**
[72] ISENHOUR, MICAH COLEN, US
[72] THEUERKORN, THOMAS, US
[73] CORNING OPTICAL COMMUNICATIONS LLC, US
[85] 2018-09-07
[86] 2017-03-10 (PCT/US2017/021768)
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[54] **THERMALLY INSULATED SHEET**
[54] **FEUILLE ISOLEE THERMIQUEMENT**
[72] OROLOGIO, FURIO, CA
[73] BALCAN INNOVATIONS INC., CA
[86] (3017292)
[87] (3017292)
[22] 2018-09-13

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[51] **Int.Cl. A61K 31/12 (2006.01) A61K 31/135 (2006.01) A61K 31/19 (2006.01) A61K 31/282 (2006.01) A61K 31/337 (2006.01) A61K 31/4045 (2006.01) A61K 31/4745 (2006.01) A61K 31/475 (2006.01) A61K 31/495 (2006.01) A61K 31/519 (2006.01) A61K 31/555 (2006.01) A61K 31/704 (2006.01) A61K 31/7068 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATIONS OF LSD1 INHIBITORS FOR USE IN THE TREATMENT OF SOLID TUMORS**
[54] **COMBINAISONS D'INHIBITEURS DE LSD1 POUR LEUR UTILISATION DANS LE TRAITEMENT DES TUMEURS SOLIDES**
[72] DEMARIO, MARK, US
[72] PIERCEALL, WILLIAM, US
[72] MACK, FIONA, US
[72] MAES, TAMARA, ES
[72] LUNARDI, SERENA, ES
[73] ORYZON GENOMICS, S.A., ES
[85] 2018-09-11
[86] 2017-03-13 (PCT/EP2017/055784)
[87] (WO2017/157825)
[30] US (62/308,529) 2016-03-15

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[51] **Int.Cl. A61B 17/3207 (2006.01)**
[25] EN
[54] **ROTATIONAL ATHERECTOMY DEVICE WITH A SYSTEM OF ECCENTRIC ABRADING HEADS**
[54] **DISPOSITIF D'ATHERECTOMIE ROTATIF A SYSTEME DE TETES D'ABRASION EXCENTRIQUES**
[72] CAMBRONNE, MATTHEW D., US
[72] KOHLER, ROBERT E., US
[73] CARDIOVASCULAR SYSTEMS, INC., US
[85] 2018-09-14
[86] 2017-02-14 (PCT/US2017/017770)
[87] (WO2017/165013)
[30] US (15/075,979) 2016-03-21

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[51] **Int.Cl. C07D 277/54 (2006.01) A61K 31/426 (2006.01) A61K 31/662 (2006.01) A61P 31/22 (2006.01) C07F 9/38 (2006.01) C07F 9/40 (2006.01) C07F 9/44 (2006.01)**
[25] EN
[54] **AMINOTHIAZOLE DERIVATIVES USEFUL AS ANTIVIRAL AGENTS**
[54] **DERIVES D'AMINOTHIAZOLE UTILES EN TANT QU'AGENTS ANTIVIRAUX**
[72] KLEYMANN, GERALD, DE
[72] GEGE, CHRISTIAN, DE
[73] INNOVATIVE MOLECULES GMBH, DE
[85] 2018-09-17
[86] 2017-04-05 (PCT/EP2017/058077)
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[51] **Int.Cl. G05B 19/401 (2006.01) B25J 9/16 (2006.01)**
[25] EN
[54] **METHOD, CONSTRAINING DEVICE AND SYSTEM FOR DETERMINING GEOMETRIC PROPERTIES OF A MANIPULATOR**
[54] **PROCEDE, DISPOSITIF DE CONTRAINTE ET SYSTEME DE DETERMINATION DES PROPRIETES GEOMETRIQUES D'UN MANIPULATEUR**
[72] NILSSON, KLAS, SE
[72] NILSSON, ADAM, SE
[72] STOLT, ANDREAS, SE
[72] SORNMO, OLOF, SE
[72] HOLMSTRAND, MARTIN, SE
[72] NILSSON, NIKLAS, SE
[73] COGNIBOTICS AB, SE
[85] 2018-09-28
[86] 2017-03-27 (PCT/EP2017/057187)
[87] (WO2017/167687)
[30] EP (16162695.7) 2016-03-29

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[25] EN
[54] **METHOD FOR PRODUCING A POLYISOCYANURATE COMPOSITE MATERIAL**
[54] **PROCEDE DE FABRICATION D'UN MATERIAU COMPOSITE A BASE DE POLYISOCYANURATE**
[72] HOCKE, HEIKO, CN
[72] MATNER, MATHIAS, DE
[72] ACHTEN, DIRK, DE
[72] HEINZ, PAUL, DE
[73] COVESTRO DEUTSCHLAND AG, DE
[85] 2018-10-01
[86] 2017-05-03 (PCT/EP2017/060576)
[87] (WO2017/191216)
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[51] **Int.Cl. C09K 8/524 (2006.01) C10L 1/16 (2006.01)**
[25] EN
[54] **LOW LOGP MOLECULES FOR DEPRESSING SOLIDIFICATION POINT OF PARAFFIN INHIBITOR CONCENTRATES**
[54] **MOLECULES A LOGP FAIBLE POUR UN POINT DE SOLIDIFICATION DIMINUE DE CONCENTRES D'INHIBITEUR DE PARAFFINE**
[72] KUNDU, KOUSIK, US
[73] ECOLAB USA INC., US
[85] 2018-10-02
[86] 2017-04-06 (PCT/US2017/026367)
[87] (WO2017/177009)
[30] US (62/319,545) 2016-04-07

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[51] **Int.Cl. H04L 41/0631 (2022.01) G06F 21/56 (2013.01) H04L 9/40 (2022.01) G06F 11/30 (2006.01)**
[25] EN
[54] **FORENSIC ANALYSIS OF COMPUTING ACTIVITY AND MALWARE DETECTION USING AN EVENT GRAPH**
[54] **ANALYSE MEDICO-LEGALE D'UNE ACTIVITE INFORMATIQUE, ET DETECTION DE LOGICIEL MALVEILLANT A L'AIDE D'UN GRAPHE D'EVENEMENTS**
[72] LADNAI, BEATA, GB
[72] HARRIS, MARK DAVID, GB
[72] THOMAS, ANDREW J., GB
[72] SMITH, ANDREW G.P., GB
[72] HUMPHRIES, RUSSELL, GB
[72] RAY, KENNETH D., US
[73] SOPHOS LIMITED, GB
[85] 2018-10-10
[86] 2017-04-11 (PCT/US2017/027070)
[87] (WO2017/180666)
[30] US (15/130,244) 2016-04-15
[30] GB (1610609.8) 2016-06-17
[30] GB (1611301.1) 2016-06-29

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[13] C
[51] **Int.Cl. B29C 49/24 (2006.01) B29C 49/04 (2006.01) B29C 49/36 (2006.01)**
[25] EN
[54] **UNIVERSAL IN-MOLD LABELING APPARATUS AND SYSTEM INCORPORATING THE APPARATUS**
[54] **APPAREIL D'ETIQUETAGE DANS LE MOULE UNIVERSEL ET SYSTEME INTEGRANT L'APPAREIL**
[72] JUSTICE, ROMAN, US
[72] BARTNIK, ROBERT P., US
[72] TAYLOR, GREGORY D., US
[72] SMITH, RYAN, US
[72] BYSICK, SCOTT E., US
[73] GRAHAM PACKAGING COMPANY, L.P., US
[85] 2018-10-18
[86] 2017-04-19 (PCT/US2017/028349)
[87] (WO2017/184720)
[30] US (62/325,256) 2016-04-20

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[13] C
[51] **Int.Cl. B23K 11/02 (2006.01)**
[25] EN
[54] **RESISTIVE SOLDERING METHOD, ASSEMBLY OF ANTENNA AND GLASS, AND RESISTIVE SOLDERING SYSTEM**
[54] **PROCEDE DE BRASAGE RESISTIF, ENSEMBLE ANTENNE ET VERRE, ET SYSTEME DE BRASAGE RESISTIF**
[72] SHI, CE, CN
[72] YU, SHENGWEN, CN
[72] WU, HUANHUAN, CN
[73] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2018-10-18
[86] 2017-05-04 (PCT/CN2017/082996)
[87] (WO2017/198073)
[30] CN (201610342210.8) 2016-05-20

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[13] C
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 1/04 (2006.01) A61P 17/00 (2006.01) A61P 17/06 (2006.01) A61P 29/00 (2006.01) A61P 37/08 (2006.01)**
[25] EN
[54] **PYRAZOLO[1,5-A]PYRIMIDINE COMPOUND**
[54] **COMPOSE DE PYRAZOLO [1,5-A] PYRIMIDINE**
[72] CLARK, RICHARD, JP
[72] KAWAHARA, TETSUYA, JP
[72] IIDA, DAISUKE, JP
[72] HIROTA, SHINSUKE, JP
[72] KAMADA, YASUAKI, JP
[72] OHFUSA, TOSHIYUKI, JP
[72] YONEDA, NAOKI, JP
[72] MATSUURA, FUMIYOSHI, JP
[72] YASUI, SO, JP
[73] EISAI R&D MANAGEMENT CO., LTD., JP
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[72] LUO, TAO, US
[72] AKKARAKARAN, SONY, US
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[73] CAMERON TECHNOLOGIES LIMITED, NL
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[54] **MATERIAU POREUX IGNIFUGE IMPREGNE D'UN AGENT INTUMESCENT**
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[72] JONES, SIMON, GB
[72] TAYLOR, ANDREW, GB
[72] GEYER, WALTER, DE
[72] KOMMA, MARKUS, DE
[72] PRONOLD, MICHAEL, DE
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[54] **PEPTIDOMIMETIQUE EN EPINGLE A CHEVEUX BETA AYANT UNE ACTIVITE INHIBITRICE A L'ENCONTRE DE L'ELASTASE, ET SES FORMES POSOLOGIQUES EN AEROSOL**
[72] BRUIJNZEEL, PIET, NL
[72] ZIMMERMANN, JOHANN, DE
[72] BARTH, PHILIP, CH
[72] CHEVALIER, ERIC, FR
[72] LUDIN, CHRISTIAN, CH
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[54] **SYSTEME, APPAREIL ET PROCEDE DE FRACTURATION HYDRAULIQUE**
[72] WITKOWSKI, BRIAN C., US
[72] FULLER, NADIYA, US
[72] SAID, NUDER, US
[72] TRAN, DUC THANH, US
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[54] **DESHYDROGENATION OXYDATIVE (ODH) DE L'ETHANE**
[72] SCHOONEBEEK, RONALD JAN, NL
[72] VAN ROSSUM, GUUS, NL
[72] BOS, ALOUISIUS NICOLAAS RENEE, NL
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
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[54] **MG53 MUTANTS, METHODS OF MAKING THE SAME, AND USES THEREOF**
[54] **MUTANT DE MG53, SON PROCEDE DE PREPARATION ET SES UTILISATIONS**
[72] XIAO, RUI-PING, CN
[72] LU, FENGXIANG, CN
[72] ZHANG, YAN, CN
[72] GUO, SILE, CN
[73] HOPE MEDICINE (NANJING) CO., LTD., CN
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[54] **TETE DE MANDRIN POUR UN OUTIL D'ISOLATION DE TETE DE PUITS ET METHODE D'UTILISATION**
[72] MCGUIRE, BOB, US
[73] OIL STATES ENERGY SERVICES, L.L.C., US
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[54] **SYSTEME ET PROCEDES POUR SERVICE ELORAN PRIVE**
[72] OFFERMANS, GERARD, US
[72] BARTLETT, STEPHEN, US
[72] SCHUE, CHARLES, US
[72] GREBNEV, ANDREI, US
[72] ALLAN, JOHN, US
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[54] **PROCEDE DE CONVERSION DE SULFURE DE DIMETHYLE EN METHYLMERCAPTAN**
[72] KHANKAL, REZA, US
[72] HWU, HENRY, US
[72] HASENBERG, DANIEL M., US
[72] BARRY, CHRISTINA M., US
[72] REFVIK, MITCHELL D., US
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[54] **PROCEDE DE CONSTRUCTION DE BLOC DE BETON ET ELEMENT DE GUIDAGE DESTINE A INSTALLER UN BLOC DE BETON**
[72] KIM, SANG GI, KR
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[54] **NORMALISATION DE CONCENTRATION DE BANQUE NGS**
[72] MAKAROV, VLADIMIR, US
[72] CHUPRETA, SERGEY, US
[73] INTEGRATED DNA TECHNOLOGIES, INC., US
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[72] ZHA, SHITONG, US
[73] HEATCRAFT REFRIGERATION PRODUCTS LLC, US
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[54] **VEHICULE FERROVIAIRE, PROCEDE DE FABRICATION D'UN VEHICULE FERROVIAIRE ET UTILISATION D'UN MECANISME ARTICULE DANS UN SYSTEME DE MONTEE DANS UN TRAIN**
[72] SCHMID, MARCEL, CH
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[54] **SYSTEME ET PROCEDE D'ELECTROCOAGULATION UTILISANT UNE DECHARGE DE PLASMA**
[72] LALLI, JASON D., US
[73] LALLI, JASON D., US
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[54] **METHODE DE TRAITEMENT D'ETATS ASSOCIES A DES CELLULES HYPERPROLIFERATIVES COMPRENANT L'ADMINISTRATION COMBINEE D'UN AGONISTE DU RECEPTEUR DE CANNABINOIDE ET DE LA RADIOTHERAPIE**
[72] DUMOULIN-WHITE, ROGER, CA
[72] MANDEL, ARKADY, CA
[73] THERALASE TECHNOLOGIES, INC., CA
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[54] **CHARIOT A GRAINS DOTE D'ASSISTANCE AUTOMATIQUE AU DECHARGEMENT**
[72] BANTHIA, VIKRAM, CA
[72] FRIESEN, MICHAEL I. J., CA
[73] ELMER'S WELDING & MANUFACTURING LTD., CA
[86] (3041013)
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[54] **DISPOSITIF DE CHAMP NEONATAL**
[72] CARRASCO, NOEL J.M., US
[73] A. T. STILL UNIVERSITY, US
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[54] **GLYOXYLATED POLYACRYLAMIDE POLYMER COMPOSITION, ITS USE AND METHOD FOR INCREASING THE STRENGTH PROPERTIES OF PAPER, BOARD OR THE LIKE**
[54] **COMPOSITION DE POLYMERE DE POLYACRYLAMIDE GLYOXYLE, SON UTILISATION ET PROCEDE D'AUGMENTATION DES PROPRIETES DE RESISTANCE DE PAPIER, CARTON OU SIMILAIRE**
[72] KARPPI, ASKO, FI
[72] HIETANIEMI, MATTI, FI
[72] HALINEN, MARTINA, FI
[72] TIMPERI, SALLA, FI
[72] GRIGORIEV, VLADIMIR, DE
[72] VIRTANEN, MIKKO, FI
[73] KEMIRA OYJ, FI
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[54] **STRUCTURE NOYAU-COQUE INTEGREE A PIECES MULTIPLES POUR LA FABRICATION D'UN ELEMENT COULE**
[72] DEINES, JAMES HERBERT, US
[72] PRZESLAWSKI, BRIAN DAVID, US
[72] MCCARREN, MICHAEL JOHN, US
[72] YANG, XI, US
[72] PETERSON, BRIAN PATRICK, US
[73] GENERAL ELECTRIC COMPANY, US
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[54] **COMPOSITIONS D'ASPHALTE RENFERMANT DU MATERIAU D'ASPHALTE RECYCLE**
[72] FRANZEN, MICHAEL, US
[72] LEWANDOWSKI, LAURAND, US
[73] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
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[72] LIEBENDORFER, KURT L., US
[72] DEROSIER, GREGORY S., US
[72] HEGG, TREVOR, US
[72] FERRARI, SARAH L., US
[72] HAMILTON, DON, US
[72] HESSER, NICHOLAS, US
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[54] **ROUE COMPRENANT UN PNEU NON PNEUMATIQUE**
[72] THOMPSON, RONALD H., US
[72] FAVRE, MARC, US
[73] CAMSO INC., CA
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[54] **CABLES DE DISTRIBUTION DE FIBRES OPTIQUES RENFORCEES A DIAMETRE REDUIT**
[72] KAMATH, RAJESH, US
[72] HOUCK, MICHAEL, US
[72] VILLIGER, BRETT, US
[72] QUINN, JUSTIN, US
[72] CIGNARALE, JOSEPH, US
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[54] **PROCEDES ET COMPOSITIONS UTILISANT L'INTERFERENCE PAR ARN POUR L'INHIBITION DE KRAS**
[72] PECOT, CHAD, US
[72] COX, ADRIENNE, US
[72] DER, CHANNING, US
[73] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
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[54] **HUILE ET GRAISSE PERMETTANT DE SUPPRIMER LE BLANCHIMENT**
[72] HE, MOGENG, JP
[72] KARATANI, NAOHIRO, JP
[73] FUJI OIL HOLDINGS INC., JP
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[54] **SEL D'ETHANE-SULFONATE DE DERIVE DE QUINOLEINE**
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[72] KIJIMA, HIDEOMI, JP
[72] ONO, SHIZUKA, JP
[72] NISHIYAMA, TOSHIHIKO, JP
[73] ONO PHARMACEUTICAL CO., LTD., JP
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[73] MOULENE, DANIEL, FR
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[54] **METHOD FOR CONTROLLING DIFFERENTIATION OF PLURIPOTENT STEM CELLS**
[54] **PROCEDE DE CONTROLE DE DIFFERENCIATION POUR CELLULES SOUCHES PLURIPOTENTES**
[72] NISHIDA, KOHJI, JP
[72] SEKIGUCHI, KIYOTOSHI, JP
[72] HAYASHI, RYUHEI, JP
[72] SHIBATA, SHUN, JP
[73] OSAKA UNIVERSITY, JP
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[54] **METHOD AND DEVICE FOR FEEDING BACK AND RECEIVING CHANNEL INFORMATION, AND COMPUTER STORAGE MEDIUM**
[54] **PROCEDE ET DISPOSITIF POUR RENVOYER ET RECEVOIR DES INFORMATIONS DE CANAL, ET SUPPORT DE STOCKAGE INFORMATIQUE**
[72] ZHANG, SHUJUAN, CN
[72] LU, ZHAOHUA, CN
[72] LI, YUNGOK, CN
[72] MEI, MENG, CN
[72] GONG, YUHONG, CN
[72] JIANG, CHUANGXIN, CN
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[25] EN
[54] **COMPACT MODULAR WIRELESS SENSOR**
[54] **CAPTEUR SANS FIL MODULAIRE COMPACT**
[72] PHILLIPS, JAMES, US
[72] RECUPIDO, DON, US
[72] FROST, NATHAN, US
[72] BROWN, RANDY SCOTT, US
[73] WATLOW ELECTRIC MANUFACTURING COMPANY, US
[85] 2019-08-15
[86] 2018-02-16 (PCT/US2018/000012)
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[30] US (62/459,698) 2017-02-16

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[51] **Int.Cl. G06F 16/903 (2019.01)**
[25] EN
[54] **METHOD AND DEVICE FOR SEARCHING FOR ELECTRONIC TRANSACTION CERTIFICATE, AND NETWORK SEARCH ENGINE**
[54] **PROCEDE ET DISPOSITIF DE RECHERCHE DE CERTIFICAT DE TRANSACTION ELECTRONIQUE, ET MOTEUR DE RECHERCHE EN RESEAU**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[86] (3054458)
[87] (3054458)
[22] 2015-04-30
[62] 3,022,615

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[13] C
[51] **Int.Cl. G06F 16/903 (2019.01) G06Q 20/00 (2012.01)**
[25] EN
[54] **METHOD FOR SEARCHING FOR ELECTRONIC TRANSACTION CERTIFICATE, AND ELECTRONIC TRANSACTION TERMINAL**
[54] **PROCEDE POUR RECHERCHER UN CERTIFICAT DE TRANSACTION ELECTRONIQUE, ET TERMINAL DE TRANSACTION ELECTRONIQUE**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[86] (3054785)
[87] (3054785)
[22] 2015-04-30
[62] 3,022,618

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[25] EN
[54] **A METHOD FOR PREPARING A LEACH FEED MATERIAL**
[54] **PROCEDE DE PREPARATION D'UNE MATIERE PREMIERE DE LIXIVIATION**
[72] CONNELLY, DAMIAN EDWARD GERARD, AU
[72] YAN, DENIS STEPHEN, AU
[73] TIVAN LIMITED, AU
[85] 2019-09-05
[86] 2018-04-04 (PCT/AU2018/050310)
[87] (WO2018/184067)
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[25] EN
[54] **DEVICE FOR ELECTROMAGNETICALLY PROBING A SAMPLE**
[54] **DISPOSITIF DE SONDAGE ELECTROMAGNETIQUE D'UN ECHANTILLON**
[72] LEHNER, SAMUEL, CH
[72] MENNICKE, RALPH, CH
[73] PROCEQ SA, CH
[85] 2019-09-05
[86] 2017-03-10 (PCT/CH2017/000027)
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[25] EN
[54] **STABLE MULTISPECIFIC ANTIBODIES**
[54] **ANTICORPS MULTISPECIFIQUES STABLES**
[72] ZHUKOVSKY, EUGENE, FR
[72] LEGER, OLIVIER, FR
[72] MORSE, RICHARD J., FR
[73] BIOMUNEX PHARMACEUTICALS, FR
[85] 2019-09-23
[86] 2018-03-27 (PCT/EP2018/057819)
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[25] EN
[54] **PD-1/PD-L1 INHIBITORS**
[54] **INHIBITEURS PD-1/PD-L1**
[72] AKTOUDIANAKIS, EVANGELOS, US
[72] APPLEBY, TODD, US
[72] CHO, AESOP, US
[72] DU, ZHIMIN, US
[72] GRAUPE, MICHAEL, US
[72] GUERRERO, JUAN A., US
[72] JABRI, SALMAN Y., US
[72] LAD, LATESHKUMAR THAKORLAL, US
[72] MACHICAO TELLO, PAULO A., US
[72] MEDLEY, JONATHAN WILLIAM, US
[72] METOBO, SAMUEL E., US
[72] MUKHERJEE, PRASENJIT KUMAR, US
[72] NADUTHAMBI, DEVAN, US
[72] NOTTE, GREGORY, US
[72] PARKHILL, ERIC Q., US
[72] PHILLIPS, BARTON W., US
[72] SIMONOVICH, SCOTT PRESTON, US
[72] SQUIRES, NEIL H., US
[72] VENKATARAMANI, CHANDRASEKAR, US
[72] WANG, PEIYUAN, US
[72] WATKINS, WILLIAM J., US
[72] XU, JIE, US
[72] YANG, KIN SHING, US
[72] ZIEBENHAUS, CHRISTOPHER ALLEN, US
[73] GILEAD SCIENCES, INC., US
[85] 2019-09-24
[86] 2018-04-19 (PCT/US2018/028382)
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[30] US (62/488,017) 2017-04-20
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[25] EN
[54] **METHOD OF HYDRAULIC FRACTURING WITH FIBRE-LOADED HYDRAULIC FLUID**
[54] **METHODE DE FRACTURATION HYDRAULIQUE ET FLUIDE HYDRAULIQUE CHARGE DE FIBRES**
[72] BADAZHKOV, DMITRY VIKTOROVICH, RU
[72] PLYASHKEVICH, VLADIMIR ALEXANDROVICH, RU
[72] VELIKANOV, IVAN VLADIMIROVICH, RU
[72] KUZNETSOV, DMITRY SERGEEVICH, RU
[72] KOVALEVSKY, OLEG VALERIEVICH, RU
[72] ISAEV, VADIM ISMAILOVICH, RU
[72] BANNIKOV, DENIS VIKTROVICH, RU
[73] SCHLUMBERGER CANADA LIMITED, CA
[85] 2019-09-30
[86] 2017-03-31 (PCT/RU2017/000190)
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[25] EN
[54] **SECURE DISPLAY CABINET**
[54] **ARMOIRE VITREE SECURISEE**
[72] VOGLER, MICHAEL, CA
[72] GIL, MARTIN, CA
[72] KOSARA, MARIAN, CA
[73] MARKETING IMPACT LIMITED, CA
[86] (3060177)
[87] (3060177)
[22] 2019-10-25

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[51] **Int.Cl. H05H 7/00 (2006.01) H01J 37/06 (2006.01) H01J 37/147 (2006.01) H02M 5/42 (2006.01)**
[25] EN
[54] **FILAMENT POWER SUPPLY FOR ELECTRON ACCELERATOR AND ELECTRON ACCELERATOR**
[54] **ALIMENTATION ELECTRIQUE DE FILAMENTS POUR ACCELERATEUR D'ELECTRONS ET ACCELERATEUR D'ELECTRONS**
[72] LIU, JINSHENG, CN
[72] LIU, YAOHONG, CN
[72] JIA, WEI, CN
[72] YAN, XINSHUI, CN
[72] LI, WEI, CN
[73] NUCTECH COMPANY LIMITED, CN
[86] (3060468)
[87] (3060468)
[22] 2019-10-28
[30] CN (201811266208.2) 2018-10-29

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[13] C
[51] **Int.Cl. G06F 40/279 (2020.01) G06Q 40/02 (2023.01)**
[25] EN
[54] **LABEL INFORMATION ACQUISTION METHOD AND APPARATUS, ELECTRONIC DEVICE AND COMPUTER READABLE MEDIUM**
[54] **METHODE ET APPAREIL D'ACQUISITION DES RENSEIGNEMENTS D'UNE ETIQUETTE, DISPOSITIF ELECTRONIQUE ET SUPPORT LISIBLE PAR UN ORDINATEUR**
[72] NI, JIACHENG, CN
[73] 10353744 CANADA LTD., CA
[86] (3060822)
[87] (3060822)
[22] 2019-11-01
[30] CN (201811333350.4) 2018-11-09

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[25] EN
[54] **MICROBOLOMETER DETECTORS AND ARRAYS FOR PRINTED PHOTONICS APPLICATIONS**
[54] **MICROBOLOMETRES ET DETECTEURS POUR APPLICATIONS D'OPTOELECTRONIQUE IMPRIMEE**
[72] OULACHGAR, HASSANE, CA
[73] INSTITUT NATIONAL D'OPTIQUE, CA
[86] (3061524)
[87] (3061524)
[22] 2019-11-12
[30] US (62/760.484) 2018-11-13

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[13] C
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[25] EN
[54] **DRIVING DEVICE FOR UNLOCKING AND LOCKING A LOCK**
[54] **DISPOSITIF D'ENTRAINEMENT POUR DEVERROUILLER ET VERROUILLER UN VERROU**
[72] LITWINSKI, ARTUR, PL
[73] TEDEE IP SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA, PL
[85] 2019-11-20
[86] 2018-05-29 (PCT/IB2018/053802)
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[51] **Int.Cl. H04L 1/00 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR DATA TRANSMISSION AND PROCESSING, NETWORK SIDE APPARATUS, AND TERMINAL**
[54] **PROCEDES ET DISPOSITIFS DE TRANSMISSION ET DE TRAITEMENT DE DONNEES, APPAREIL COTE RESEAU ET TERMINAL**
[72] PENG, FOCAI, CN
[72] XIE, SAIJIN, CN
[72] CHEN, MENGZHU, CN
[72] XU, JUN, CN
[72] XU, JIN, CN
[72] HAN, CUIHONG, CN
[73] ZTE CORPORATION, CN
[85] 2019-11-21
[86] 2018-05-17 (PCT/CN2018/087219)
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[54] **ACTUATED HEAD PAD FOR LOADING DOCK**
[54] **COUSSIN D'ETANCHEITE ACTIONNE POUR QUAI DE CHARGEMENT**
[72] METZ, DONALD L., US
[72] GARROW, KRISTIAN P., US
[72] BEREAN, KYLE J., US
[72] EPPLEY, JOSHUA L., US
[73] DL MANUFACTURING INC., US
[73] METZ, DONALD L., US
[73] GARROW, KRISTIAN P., US
[73] BEREAN, KYLE J., US
[73] EPPLEY, JOSHUA L., US
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[30] US (62/343,146) 2016-05-31
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[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **IMPROVED METHODS FOR MEASURING UBIQUITIN CARBOXY-TERMINAL HYDROLASE L1 LEVELS IN BLOOD**
[54] **PROCEDES AMELIORES DE MESURE DE NIVEAUX D'HYDROLASE A TERMINAISON CARBOXY D'UBIQUITINE L1 DANS LE SANG**
[72] BELIGERE, GANGAMANI S., US
[72] BRENNAN, MELISSA B., US
[72] GRIESHABER, JESSICA, US
[72] PACENTI, DAVID, US
[72] DATWYLER, SAUL A., US
[72] RAMP, JOHN, US
[73] ABBOTT LABORATORIES, US
[85] 2019-12-19
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[25] EN
[54] **SIGN HAVING A RECONFIGURABLE DISPLAY FACE**
[54] **PANNEAU AYANT UNE SURFACE D'AFFICHAGE RECONFIGURABLE**
[72] SHARDLOW, PAUL, GB
[73] SCHAFER SYSTEMS (UK) LIMITED, GB
[86] (3068507)
[87] (3068507)
[22] 2020-01-17
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[51] **Int.Cl. A61J 7/00 (2006.01) A61J 1/03 (2023.01) A61J 7/04 (2006.01)**
[25] EN
[54] **WIRELESS MEDICATION BLISTER PACK SYSTEM AND BLISTER PACK ATTACHMENT**
[54] **SYSTEME SANS FIL D'EMBALLAGE-COQUE DE MEDICAMENTS ET ACCESSOIRE D'EMBALLAGE-COQUE**
[72] BOUTHIETTE, ETIENNE, CA
[73] 9155-0020 QUEBEC INC., CA
[86] (3074924)
[87] (3074924)
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[30] US (16/808.829) 2020-03-04

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[51] **Int.Cl. C12Q 1/6897 (2018.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01) C12N 15/85 (2006.01) C12Q 1/02 (2006.01) G01N 33/566 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR THE ASSESSMENT OF G-PROTEIN ACTIVATION**
[54] **SYSTEMES ET PROCEDES POUR L'EVALUATION D'UNE ACTIVATION DES PROTEINES G**
[72] LE GOUILL, CHRISTIAN, CA
[72] BOUVIER, MICHEL, CA
[72] LUKASHEVA, VIKTORIYA, CA
[72] HOGUE, MIREILLE, CA
[72] BRETON, BILLY, CA
[73] UNIVERSITE DE MONTREAL, CA
[73] DOMAIN THERAPEUTICS, FR
[85] 2020-03-20
[86] 2018-10-15 (PCT/CA2018/051294)
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[30] US (62/573,853) 2017-10-18

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[51] **Int.Cl. A61K 9/19 (2006.01) A61K 31/439 (2006.01) A61K 47/26 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL FORMS OF DIAZABICYCLOOCTANE DERIVATIVES AND PROCESS FOR PRODUCING THE SAME**
[54] **FORMES PHARMACEUTIQUES DE DERIVES DE DIAZABICYCLOOCTANE ET LEUR PROCEDE DE PRODUCTION**
[72] YANG, KEWEI, CH
[73] MEIJI SEIKA PHARMA CO., LTD., JP
[85] 2020-03-25
[86] 2018-09-25 (PCT/IB2018/001185)
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[25] EN
[54] **TRAILERED ENGINE DRIVEN LAGOON PUMP FOR MIXING AND PUMPING MANURE SLURRIES**
[54] **POMPE A PURIN ENTRAINEE PAR MOTEUR POUVANT ETRE DEPLACEE POUR MELANGER ET POMPER DU LISIER**
[72] BAMBAUER, SCOTT A., US
[72] STEINKE, JACK, US
[73] BAMBAUER EQUIPMENT, US
[86] (3079867)
[87] (3079867)
[22] 2020-04-30
[30] US (62/842,014) 2019-05-02

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[13] C
[51] **Int.Cl. F21V 9/40 (2018.01) F21V 23/04 (2006.01)**
[25] EN
[54] **INTELLIGENT LIGHTING CONTROL SYSTEM PHASE CUTTING APPARATUSES, SYSTEMS, AND METHODS**
[54] **APPAREILS, SYSTEMES ET PROCEDES DE COUPURE DE PHASE DE SYSTEME DE COMMANDE D'ECLAIRAGE INTELLIGENT**
[72] CHU, JOSEPH YAO HUA, US
[73] SAVANT SYSTEMS, INC., US
[85] 2020-04-22
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[51] **Int.Cl. G03G 15/06 (2006.01)**
[25] EN
[54] **CARTRIDGE, PROCESS CARTRIDGE AND ELECTROPHOTOGRAPHIC IMAGE FORMING APPARATUS**
[54] **CARTOUCHE, CARTOUCHE DE TRAITEMENT ET APPAREIL DE FORMATION D'IMAGE ELECTROPHOTOGRAPHIQUE**
[72] SATO, MASAAKI, JP
[72] UNEME, TETSUSHI, JP
[73] CANON KABUSHIKI KAISHA, JP
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[87] (3081660)
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[30] JP (2015-115199) 2015-06-05
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[51] **Int.Cl. G16H 15/00 (2018.01) G16H 30/40 (2018.01)**
[25] EN
[54] **MEDICAL EXAMINATION SUPPORT APPARATUS, AND OPERATION METHOD AND OPERATION PROGRAM THEREOF**
[54] **DISPOSITIF D'AIDE AUX SOINS MEDICAUX ET PROCEDE ET PROGRAMME DE FONCTIONNEMENT ASSOCIES**
[72] NENOKI, YASUYO, JP
[72] ISHIGAKI, JUNICHI, JP
[72] SUGIHARA, KEIJI, JP
[73] FUJIFILM CORPORATION, JP
[73] FUJIFILM MEDICAL SYSTEMS USA, INC., US
[85] 2020-05-20
[86] 2018-11-16 (PCT/JP2018/042565)
[87] (WO2019/102949)
[30] JP (2017-223841) 2017-11-21

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[51] **Int.Cl. G16H 15/00 (2018.01) G16H 30/40 (2018.01)**
[25] EN
[54] **MEDICAL EXAMINATION SUPPORT APPARATUS, AND OPERATION METHOD AND OPERATION PROGRAM THEREOF**
[54] **DISPOSITIF D'ASSISTANCE AUX SOINS MEDICAUX, ET PROCEDE ET PROGRAMME D'EXPLOITATION ASSOCIES**
[72] NENOKI, YASUYO, JP
[72] ISHIGAKI, JUNICHI, JP
[72] SUGIHARA, KEIJI, JP
[73] FUJIFILM CORPORATION, JP
[73] FUJIFILM MEDICAL SYSTEMS USA, INC., US
[85] 2020-05-20
[86] 2018-11-16 (PCT/JP2018/042566)
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[30] JP (2017-223842) 2017-11-21

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[51] **Int.Cl. B64F 1/18 (2006.01)**
[25] EN
[54] **AIRCRAFT LANDING AID VISUAL INDICATOR DEVICE AND METHOD FOR GUIDING AIRCRAFT LANDING**
[54] **DISPOSITIF INDICATEUR VISUEL D'AIDE A L'ATTERRISSAGE D'AERONEF ET PROCEDE DE GUIDAGE D'ATTERRISSAGE D'AERONEF**
[72] BERTIN, DANIELE MARIA, IT
[73] CALZONI S.R.L., IT
[85] 2020-05-21
[86] 2018-11-27 (PCT/IB2018/059342)
[87] (WO2019/106529)
[30] IT (102017000137484) 2017-11-29

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[51] **Int.Cl. E21B 47/005 (2012.01) G01V 5/12 (2006.01)**
[25] EN
[54] **METHODS AND MEANS FOR DETERMINING THE EXISTENCE OF CEMENT DEBONDING WITHIN A CASED BOREHOLE USING X-RAY TECHNIQUES**
[54] **PROCEDES ET MOYENS DE DETERMINATION DE L'EXISTENCE D'UN DECOLLEMENT DE CIMENT DANS UN TROU DE FORAGE TUBE A L'AIDE DE TECHNIQUES A RAYONS X**
[72] TEAGUE, PHILIP, US
[73] TEAGUE, PHILIP, US
[85] 2020-04-16
[86] 2018-10-23 (PCT/US2018/057079)
[87] (WO2019/083984)
[30] US (62/575,747) 2017-10-23
[30] US (16/168,280) 2018-10-23

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[13] C
[51] **Int.Cl. F41A 9/60 (2006.01) F41A 9/37 (2006.01)**
[25] FR
[54] **DEVICE FOR DEFLECTING LINKS AND TURRET EQUIPPED WITH SUCH A DEFLECTOR DEVICE**
[54] **DISPOSITIF DEFLECTEUR DE MAILLONS ET TOURELLE EQUIPEE D'UN TEL DISPOSITIF DEFLECTEUR**
[72] BAERT, STEVE, FR
[73] NEXTER SYSTEMS, FR
[85] 2020-05-22
[86] 2018-12-20 (PCT/EP2018/086126)
[87] (WO2019/137781)
[30] FR (1800018) 2018-01-09

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[13] C
[51] **Int.Cl. E21B 34/08 (2006.01) E21B 43/08 (2006.01) E21B 49/08 (2006.01)**
[25] EN
[54] **DIFFERENTIAL PRESSURE SWITCH OPERATED DOWNHOLE FLUID FLOW CONTROL SYSTEM**
[54] **SYSTEME DE REGULATION DE DEBIT DE FLUIDE DE FOND DE TROU ACTIONNE PAR UN PRESSOSTAT DIFFERENTIEL**
[72] RONG, XINQI, US
[72] ZHAO, LIANG, US
[73] FLOWAY INNOVATIONS INC., US
[85] 2020-06-04
[86] 2018-12-01 (PCT/US2018/063515)
[87] (WO2019/133189)
[30] US (15/855,747) 2017-12-27

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[13] C
[51] **Int.Cl. A61N 1/20 (2006.01) A61N 1/04 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **SUBTHRESHOLD DIRECT CURRENT (DC) NERVE CONDUCTION BLOCK AFTER SUPRATHRESHOLD "PRIMING"**
[54] **BLOC DE CONDUCTION NERVEUSE A COURANT CONTINU (CC) DE SOUS-SEUIL APRES "AMORCAGE" DE SUPRA-SEUIL**
[72] VRABEC, TINA L., US
[72] SHAW, LAURA, US
[72] KILGORE, KEVIN L., US
[72] BHADRA, NILOY, US
[73] CASE WESTERN RESERVE UNIVERSITY, US
[85] 2020-06-18
[86] 2018-12-28 (PCT/US2018/067813)
[87] (WO2019/133784)
[30] US (62/611,095) 2017-12-28
[30] US (62/688,446) 2018-06-22

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[51] **Int.Cl. B32B 15/095 (2006.01) B32B 27/40 (2006.01) B32B 15/18 (2006.01) B32B 15/20 (2006.01) C08G 18/48 (2006.01) C08G 18/72 (2006.01)**
[25] EN
[54] **COMPOSITE ELEMENT WITH IMPROVED PROPERTIES**
[54] **ELEMENT COMPOSITE AUX PROPRIETES AMELIOREES**
[72] GRIESER-SCHMITZ, CHRISTOF, DE
[72] KAMM, ANDRE, DE
[73] BASF SE, DE
[85] 2020-07-02
[86] 2019-01-25 (PCT/EP2019/051871)
[87] (WO2019/149634)
[30] EP (18154345.5) 2018-01-31

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[13] C
[51] **Int.Cl. F21V 21/04 (2006.01) F21S 8/02 (2006.01)**
[25] EN
[54] **DEVICE MOUNTING SYSTEM**
[54] **SYSTEME DE MONTAGE DE DISPOSITIF**
[72] CHRISTIE, CARY L., US
[73] SAVANT SYSTEMS, INC., US
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[54] **PROGESTERONE INTRAVAGINAL DEVICES**
[54] **DISPOSITIFS INTRAVAGINAUX A BASE DE PROGESTERONE**
[72] NIETO MAGRO, CONCEPCION, ES
[72] PEREZ HERNANDO, ELENA, ES
[72] MOSCOSO DEL PRADO, JAIME, ES
[72] SUAREZ ALMARZA, JAVIER, ES
[73] ITF RESEARCH PHARMA, S.L.U., ES
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[25] EN
[54] **SYSTEMS AND METHODS FOR IP-BASED ASSET PACKAGE DISTRIBUTION FOR PROVISIONING TARGETED ADVERTISEMENTS**
[54] **SYSTEMES ET PROCEDES DE DISTRIBUTION DE PAQUETS DE CONTENU BASEE IP, POUR FOURNIR DES PUBLICITES CIBLEES**
[72] CAVANAUGH, MICHAEL J., US
[73] DISH NETWORK, L.L.C., US
[85] 2020-10-05
[86] 2019-04-04 (PCT/US2019/025780)
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[54] **APPARATUS AND METHOD FOR DIRECTING ENERGY FROM A MULTI-ELEMENT SOURCE**
[54] **APPAREIL ET PROCEDE POUR DIRIGER DE L'ENERGIE A PARTIR D'UNE SOURCE A ELEMENTS MULTIPLES**
[72] TUOMINEN, AARO, FI
[73] PROFOUND MEDICAL INC., CA
[85] 2020-10-08
[86] 2018-05-16 (PCT/IB2018/000596)
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[25] EN
[54] **X-RAY FLUORESCENCE ANALYZER WITH A PLURALITY OF MEASUREMENT CHANNELS, AND A METHOD FOR PERFORMING X-RAY FLUORESCENCE ANALYSIS**
[54] **ANALYSEUR A FLUORESCENCE X DOTE D'UNE PLURALITE DE CANAUX DE MESURE, ET PROCEDE DE REALISATION D'UNE ANALYSE PAR FLUORESCENCE X**
[72] KOSKINEN, TOMMI, FI
[72] PELLI, ANTTI, FI
[72] SIPILA, HEIKKI, FI
[73] METSO OUTOTEC FINLAND OY, FI
[85] 2020-10-16
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[25] EN
[54] **HUMANIZED BCMA ANTIBODY AND BCMA-CAR-T CELLS**
[54] **ANTICORPS BCMA HUMANISE ET CELLULES BCMA-CAR-T**
[72] WU, LIJUN, US
[72] GOLUBOVSKAYA, VITA, US
[73] CARIBOU BIOSCIENCES, INC., US
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[51] **Int.Cl. G06Q 30/0601 (2023.01)**
[25] EN
[54] **SYSTEMS AND METHODS TO REGULATE SALES OF A PRODUCT IN AN ONLINE STORE**
[54] **SYSTEMES ET METHODE POUR REGULER LES VENTES D'UN PRODUIT DANS UN MAGASIN VIRTUEL**
[72] DELANEY MANDERS, BLAKE, CA
[72] HO, DENNIS, CA
[73] SHOPIFY INC., CA
[86] (3099281)
[87] (3099281)
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[54] **DIRECT REDUCTION SYSTEM AND PROCESS UTILIZING A PROCESS GAS DIRECT RECYCLE LINE**
[54] **SYSTEME ET PROCEDE DE REDUCTION DIRECTE UTILISANT UNE CONDUITE DE RECYCLAGE DIRECT DE GAZ DE TRAITEMENT**
[72] HUGHES, GREGORY DAREL, US
[72] MICHISHITA, HARUYASU, US
[73] MIDREX TECHNOLOGIES, INC., US
[85] 2020-11-06
[86] 2018-07-03 (PCT/US2018/040676)
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[51] **Int.Cl. B25C 7/00 (2006.01) E04F 21/00 (2006.01)**
[25] EN
[54] **WORKING END FOR A NAIL DRIVING TOOL**
[54] **EXTREMITE DE TRAVAIL POUR UN OUTIL D'ENTRAINEMENT A CLOUS**
[72] TSE, DESMOND, CA
[72] WALTER, TOMAS, CA
[73] TSE, DESMOND, CA
[73] WALTER, TOMAS, CA
[86] (3102822)
[87] (3102822)
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[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/53 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TRIAZOLOTRIAZINE DERIVATIVES AS A2A RECEPTOR ANTAGONISTS**
[54] **DERIVES DE TRIAZOLOTRIAZINE EN TANT QU'ANTAGONISTES DU RECEPTEUR A2A**
[72] SUN, SANXING, CN
[72] YE, JINQI, CN
[72] ZHAO, LONG, CN
[72] HU, CHONGBO, CN
[72] CHEN, ZHENGSHU, CN
[73] ZHEJIANG VIMGREEN PHARMACEUTICALS, LTD, CN
[85] 2020-12-08
[86] 2018-06-26 (PCT/IB2018/054690)
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[51] **Int.Cl. H04L 12/16 (2006.01) H04L 67/02 (2022.01)**
[25] EN
[54] **METHOD FOR DYNAMIC OPTIMIZATION OF WEB APPLICATIONS**
[54] **METHODE D`OPTIMISATION DYNAMIQUE D`APPLICATIONS WEB**
[72] MAHADEVAN, VENKATESH PRABU, IN
[72] ARUNKUMAR, LAKSHMI, IN
[72] ROTALIWALA, KIRTIKUMAR, IN
[73] ARRIS ENTERPRISES LLC, US
[86] (3104938)
[87] (3104938)
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[25] EN
[54] **CONTENT FRAGMENT STORAGE AND DELIVERY**
[54] **STOCKAGE ET DISTRIBUTION DE CONTENU DE FRAGMENTS**
[72] MCMAHON, MICHAEL D., US
[72] HOLDEN, DANIAL E., US
[73] COMCAST CABLE COMMUNICATIONS, LLC, US
[86] (3105496)
[87] (3105496)
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[25] EN
[54] **A SALT OF AN LSD1 INHIBITOR AND ITS CRYSTAL FORM**
[54] **SEL D'UN INHIBITEUR LSD1 ET FORME CRISTALLINE**
[72] ZHAO, LELE, CN
[72] SUN, JIANJUN, CN
[72] WU, LINGYUN, CN
[72] CHEN, SHUHUI, CN
[73] CSPC ZHONGQI PHARMACEUTICAL TECHNOLOGY (SHIJIAZHUANG) CO., LTD., CN
[85] 2021-01-14
[86] 2019-07-19 (PCT/CN2019/096842)
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[54] **MULTIAXIAL REINFORCING FABRIC WITH A STITCHING YARN FOR IMPROVED FABRIC INFUSION**
[54] **TISSU DE RENFORCEMENT MULTIAXIAL AVEC UN FIL DE COUTURE POUR INFUSION DE TISSU AMELIOREE**
[72] BERTRAND, CHLOE, FR
[72] VEIT, RICHARD, FR
[72] SOLARSKI, SAMUEL, FR
[73] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
[85] 2021-02-19
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[25] EN
[54] **ANTI-IFNAR1 ANTIBODIES FOR TREATING AUTOIMMUNE DISEASES**
[54] **ANTICORPS ANTI-IFNAR1 POUR LE TRAITEMENT DE MALADIES AUTO-IMMUNES**
[72] CAO, WEI, CN
[72] XU, WEILI, CN
[73] I-MAB BIOPHARMA (HANGZHOU) CO., LTD., CN
[85] 2021-02-23
[86] 2019-09-18 (PCT/CN2019/106412)
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[54] **SYSTEMS AND METHODS FOR CONTROL OF WELDING PARAMETER COMMAND VALUE LIMITS**
[54] **SYSTEMES ET METHODES DE CONTROLE DES LIMITES D'UNE VALEUR DE COMMANDE DES PARAMETRES DE SOUDAGE**
[72] DUNAHOO, JASON, US
[72] ROSERA, CALEB, US
[73] ILLINOIS TOOL WORKS INC., US
[86] (3110990)
[87] (3110990)
[22] 2021-03-03
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[54] **SYSTEMS AND METHODS FOR GENERATING COMPLEMENTARY DATA FOR VISUAL DISPLAY**
[54] **SYSTEMES ET PROCEDES DE GENERATION DE DONNEES COMPLEMENTAIRES POUR AFFICHAGE VISUEL**
[72] WINOLD, HANS, US
[72] WHITE, JOSEPH, US
[72] CORNIEL, RYAN, US
[72] GUTENTAG, MARK SAMUEL, US
[72] LOCKHART, JOHN, US
[73] PENUMBRA, INC., US
[85] 2021-03-02
[86] 2019-07-22 (PCT/US2019/042857)
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[25] EN
[54] **COLLAPSIBLE SYRINGE BARREL DISINFECTION CAP**
[54] **CAPUCHON DE DESINFECTION DE CORPS DE SERINGUE APLATISSABLE**
[72] RYAN, KEVIN M., US
[72] TRIPATHI, SANDEEP, US
[72] PARTHAN, VINAY, US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2021-03-04
[86] 2019-09-11 (PCT/US2019/050543)
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[51] **Int.Cl. G01N 27/02 (2006.01) G01F 1/74 (2006.01)**
[25] EN
[54] **METHOD FOR IDENTIFYING AND CHARACTERIZING A CONDENSATE ENTRAINED WITHIN A FLUID**
[54] **PROCEDE D'IDENTIFICATION ET DE CARACTERISATION D'UN CONDENSAT ENTRAINE DANS UN FLUIDE**
[72] MOHR, CHARLES L., US
[72] MOHR, BRANDT C., US
[72] COTTAM, ANTHONY, US
[72] MAY, PRESTON, US
[72] KENNY, DANIEL, US
[72] RAUSCH, WILLIAM, US
[72] HURLEY, DAVID, US
[72] NGUYEN, DUAN, US
[72] DAWES, KEVIN, US
[72] VON REIS, ERIK, US
[72] MULKEY, CHRISTOPHER, US
[72] SAMS, RYAN, US
[72] MOHR, BENNO, US
[72] STORDAHL, MICHAEL, US
[73] MOHR AND ASSOCIATES, A SOLE PROPRIETORSHIP, US
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[54] **ROOT EXUDATE-ACTIVATED SYSTEM FOR AGROCHEMICAL DELIVERY**
[54] **SYSTEME ACTIVE PAR EXSUDAT RACINAIRE POUR ADMINISTRATION AGROCHIMIQUE**
[72] MONREAL, CARLOS, CA
[72] DEROSA, MARIA, CA
[72] CHOI, PHILLIP, CA
[72] MASTRONARDI, EMILY, CA
[72] TSAE, PHEPAFATSO, CA
[72] MATUS, FRANCISCO, CL
[72] SCHNEIDER, JUAN, CA
[73] CARLETON UNIVERSITY, CA
[73] HER MAJESTY THE QUEEN IN RIGHT OF CANADA, AS REPRESENTED BY THE MINISTEROF AGRICULTURE AND AGRI-FOOD, CA
[73] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA
[73] SCHNEIDER, JUAN, CA
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[86] 2019-09-16 (PCT/CA2019/051306)
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[25] EN
[54] **AUTOMOBILE PARTS**
[54] **PIECES D'AUTOMOBILE**
[72] TAKATA, SHINYA, JP
[72] HAYASHI, YUMIKO, JP
[72] TORIYAMA, EMI, JP
[72] NAKANE, KEN, JP
[73] NIPPON PAINT AUTOMOTIVE COATINGS CO., LTD., JP
[85] 2021-03-19
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[30] JP (2018-190944) 2018-10-09

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[51] **Int.Cl. A01B 21/08 (2006.01) A01B 35/28 (2006.01)**
[25] EN
[54] **ATTACHMENT FOR USE WITH A PRIME MOVER TO CUT GROUND MATERIAL**
[54] **ACCESSOIRE A UTILISER AVEC UN MOTEUR PRIMAIRE POUR COUPER UN MATERIAU DE SOL**
[72] HALISCHUK, CORRIE, CA
[73] HALISCHUK, CORRIE, CA
[86] (3114455)
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[30] US (63029834) 2020-05-26

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[25] FR
[54] **METHOD FOR PRODUCING A PHOSPHOLIPID CONCENTRATE FROM A DAIRY COMPOSITION**
[54] **PROCEDE DE FABRICATION D'UN CONCENTRE DE PHOSPHOLIPIDES A PARTIR D'UNE COMPOSITION LAITIERE**
[72] BASTIAN, CHARLOTTE, FR
[72] LAURENS, LYDIE, FR
[72] GIRARDOT, DAVID, FR
[73] EUROSERUM, FR
[85] 2021-03-26
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[54] **SUPPORT GARMENT**
[54] **VETEMENT DE SOUTIEN**
[72] BRANDT, BARON C., US
[72] GROGRO, DANIELA, US
[72] KOSHKAROFF, IUSTINIA, US
[73] NIKE INNOVATE C.V., US
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[51] **Int.Cl. H04L 43/062 (2022.01) G06F 16/95 (2019.01) G06F 40/30 (2020.01) G06Q 30/0201 (2023.01)**
[25] EN
[54] **ARTIFICIAL INTELLIGENCE ENGINE FOR GENERATING SEMANTIC DIRECTIONS FOR WEBSITES FOR AUTOMATED ENTITY TARGETING TO MAPPED IDENTITIES**
[54] **MOTEUR D'INTELLIGENCE ARTIFICIELLE PERMETTANT LA GENERATION DE DIRECTIONS SEMANTIQUES DE SITES WEB DESTINEE A UN CIBLAGE D'ENTITE AUTOMATISE VERS DES IDENTITES MAPPEES**
[72] SCHWARM, ALEXANDER T., US
[72] BEVERIDGE, JAMES, US
[72] MACAULAY, DANE ANTHONY, US
[72] VIKRAM, ANUDIT, US
[73] THE DUN & BRADSTREET CORPORATION, US
[85] 2021-01-14
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[25] EN
[54] **IMPLANTABLE VENTRICULAR ASSIST DEVICES**
[54] **DISPOSITIFS D'ASSISTANCE VENTRICULAIRE IMPLANTABLE**
[72] BRYSON, SCOTT M., US
[72] BURKART, DUSTIN C., US
[72] CRANNELL, ZACHARY A., US
[72] CROSS, JOSHUA D., US
[72] DEPUE, ROBERT M., US
[72] GOEPFRICH, JAMES L., US
[72] GOODMAN, PAUL D., US
[72] HEDBERG, BRANDON C., US
[72] HEMMER, JASON D., US
[72] KENNINGTON, JEFFREY, US
[72] MIGLIATI, ELTON R., US
[72] REEP, BRYAN, US
[72] SHAW, EDWARD E., US
[72] SILVERMAN, JAMES D., US
[72] STRONES, RICHARD D., US
[73] W. L. GORE & ASSOCIATES, INC., US
[85] 2021-04-19
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[87] (WO2020/091910)
[30] US (62/754,655) 2018-11-02
[30] US (62/791,477) 2019-01-11
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[30] US (62/844,447) 2019-05-07
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[13] C
[51] **Int.Cl. G03G 15/04 (2006.01) G03G 15/06 (2006.01)**
[25] EN
[54] **PROCESS CARTRIDGE, ELECTROPHOTOGRAPHIC IMAGE FORMING APPARATUS, AND ELECTROPHOTOGRAPHIC PHOTOSENSITIVE DRUM UNIT**
[54] **CARTOUCHE DE TRAITEMENT, APPAREIL DE FORMATION D'IMAGE ELECTROPHOTOGRAPHIQUE, ET UNITE DE TAMBOUR PHOTOSENSIBLE ELECTROPHOTOGRAPHIQUE**
[72] HISANO, MASATO, JP
[72] MIYABE, SHIGEO, JP
[72] MORIOKA, MASANARI, JP
[72] UENO, TAKAHITO, JP
[73] CANON KABUSHIKI KAISHA, JP
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[30] JP (2006-346190) 2006-12-22
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[51] **Int.Cl. H04N 21/23 (2011.01) H04N 21/25 (2011.01) H04N 21/854 (2011.01)**
[25] EN
[54] **TECHNIQUES FOR ENCODING A MEDIA TITLE VIA MULTIPLE ENCODERS**
[54] **TECHNIQUES DE CODAGE D'UN TITRE MEDIA PAR L'INTERMEDIAIRE DE MULTIPLES CODEURS**
[72] KATSAVOUNIDIS, IOANNIS, US
[73] NETFLIX, INC., US
[85] 2021-05-03
[86] 2019-11-01 (PCT/US2019/059520)
[87] (WO2020/092994)
[30] US (16/179,820) 2018-11-02

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[51] **Int.Cl. B63B 3/26 (2006.01) B63B 3/00 (2006.01) B63B 3/13 (2006.01) B63B 3/14 (2006.01) B63B 3/32 (2006.01) B63B 3/34 (2006.01) B63B 3/36 (2006.01) B63G 8/00 (2006.01)**
[25] EN
[54] **LOAD-BEARING FRAME STRUCTURE FOR MARITIME VEHICLES**
[54] **STRUCTURE DE CADRE PORTEUR POUR VEHICULES MARITIMES**
[72] SGOBBO, JERROLD N., US
[72] RAYMOND, TIMOTHY G., US
[72] RUSSO, SAMUEL J., US
[72] LEBO, WILLAM T., US
[73] ANDURIL INDUSTRIES, INC., US
[85] 2021-05-17
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[87] (WO2020/106448)
[30] US (62/769,747) 2018-11-20

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[13] C
[51] **Int.Cl. G06F 16/906 (2019.01) G06N 20/00 (2019.01)**
[25] EN
[54] **AN AUTOMATED AND DYNAMIC METHOD AND SYSTEM FOR CLUSTERING DATA RECORDS**
[54] **METHODE AUTOMATISEE ET DYNAMIQUE ET SYSTEME DE REGROUPEMENT DE DOSSIERS DE DONNEES**
[72] GHOULA, NIZAR, CA
[72] REZVANI, REYHANEH, CA
[72] LI, BOLIN, CA
[72] BENOIT, FRANCIS, CA
[73] BANQUE NATIONALE DU CANADA, CA
[86] (3120412)
[87] (3120412)
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[30] US (63/033.425) 2020-06-02

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[54] **APPARATUS AND METHOD FOR TREATMENT OF MENTAL AND BEHAVIORAL CONDITIONS AND DISORDERS WITH ELECTROMAGNETIC FIELDS**
[54] **APPAREIL ET PROCEDE POUR LE TRAITEMENT D'ETATS ET DE TROUBLES MENTAUX ET COMPORTEMENTAUX AVEC DES CHAMPS ELECTROMAGNETIQUES**
[72] DIMINO, ANDRE' A., US
[72] DRUMMER, MATTHEW, US
[72] KORMAN, JUDY, US
[72] RUSSO, FRANCIS J., US
[73] ZOMEDICA INC., US
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[25] EN
[54] **ELECTRONIC CERTIFICATE-BASED TRANSACTION SYSTEM**
[54] **SYSTEME DE TRANSACTION A BASE DE CERTIFICAT ELECTRONIQUE**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
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[22] 2014-09-12
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[54] **HOLDER FOR DENTAL INSTRUMENTS**
[54] **SUPPORT A INSTRUMENTS DENTAIRES**
[72] WEISSBACH, RICKI, CA
[73] PACIFIC PEARL DENTAL HYGIENE CLINIC INC., CA
[86] (3124380)
[87] (3124380)
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[51] **Int.Cl. C01B 39/02 (2006.01) B01D 15/04 (2006.01) B01D 15/08 (2006.01) B01D 21/00 (2006.01) C01B 39/00 (2006.01)**
[25] EN
[54] **PURIFICATION OF CLINOPTILOLITE**
[54] **PURIFICATION DE CLINOPTILOLITE**
[72] MORRIS, SHAYNE K., US
[72] HARB, FIRAS S., US
[72] PHILLIPS, WARREN P., US
[72] POMPA, DANIEL, US
[73] REVELATION HEALTH LLC, US
[73] MORRIS, SHAYNE K., US
[73] HARB, FIRAS S., US
[73] PHILLIPS, WARREN P., US
[73] POMPA, DANIEL, US
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[25] EN
[54] **CD44 TARGETED MULTI-ARM CONJUGATE**
[54] **CONJUGUE A BRAS MULTIPLES CIBLANT CD44**
[72] YUAN, JIANDONG, CN
[72] HUANG, YANGQING, CN
[72] SONG, YUNSONG, CN
[73] BRIGHTGENE BIO-MEDICAL TECHNOLOGY CO., LTD., CN
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[54] **ROBOT GAMIFICATION FOR IMPROVEMENT OF OPERATOR PERFORMANCE**
[54] **LUDIFICATION DE ROBOT PERMETTANT D'AMELIORER LA PERFORMANCE D'UN OPERATEUR**
[72] JOHNSON, MICHAEL CHARLES, US
[72] JOHNSON, SEAN, US
[72] JAQUEZ, LUIS, US
[72] WELTY, BRUCE, US
[72] LEAVITT, KAREN, US
[73] LOCUS ROBOTICS CORP., US
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[54] **INSTANTLY SOLUBLE PARTICLE AND METHOD FOR PRODUCING THE SAME**
[54] **PARTICULE INSTANTANEMENT SOLUBLE ET SON PROCEDE DE PRODUCTION**
[72] MORITANI, TATSURU, JP
[72] MORINAGA, TADAHIKO, JP
[72] SATO, YUICHI, JP
[73] RICOH COMPANY, LTD., JP
[85] 2021-07-29
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[30] JP (2019-118289) 2019-06-26
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[54] **MECHANICAL FACE SEAL ASSEMBLY SUITABLE FOR PRESSURE REVERSAL**
[54] **ENSEMBLE D'ETANCHEITE A BAGUES GLISSANTES ADAPTE POUR L'INVERSION DE PRESSION**
[72] DROSCHER, PETER, DE
[72] REISCHL, ROBERT, DE
[72] STEMPLINGER, THOMAS, DE
[72] SCHOLZ, CARSTEN, DE
[73] EAGLEBURGMANN GERMANY GMBH & CO. KG, DE
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[25] EN
[54] **KEYLESS COUPLING ARRANGEMENT FOR A GENERATOR AND ASSOCIATED METHODS**
[54] **ARRANGEMENT DE RACCORD SANS CLE POUR UNE GENERATRICE ET METHODES CONNEXES**
[72] JOCHMAN, NATHAN JOE, US
[73] ILLINOIS TOOL WORKS INC., US
[86] (3128531)
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[22] 2021-08-17
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[25] EN
[54] **OLIGOSACCHARIDE DERIVATIVES AND THEIR USE IN THE TREATMENT OF BURNS AND WOUNDS**
[54] **NOUVELLES COMPOSITIONS ET METHODES THERAPEUTIQUES**
[72] ACHARYA, SUCHISMITA, US
[72] PANDA, SANTOSH K., US
[72] DAS, PRAGNYA, US
[72] AGARWAL, BEAMON, US
[73] AYUVIS RESEARCH, INC., US
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[54] **TEMPORAL CALIBRATION OF AN ANGIOGRAPHIC IMAGING SYSTEM**
[54] **ETALONNAGE TEMPOREL D'UN SYSTEME D'IMAGERIE ANGIOGRAPHIQUE**
[72] BUTLER, WILLIAM E., US
[73] BUTLER, WILLIAM E., US
[85] 2021-08-12
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[25] EN
[54] **DROP CART WITH CASHBOX DATA READER ARRAY AND AUTONOMOUS DROP CART PROCESSING SYSTEM FOR AUTOMATED CASINO ACCOUNTING**
[54] **CHARIOT DE DEPOT AYANT UN RESEAU DE LECTEURS DE DONNEES DE CAISSE ET SYSTEME DE TRAITEMENT DE CHARIOT DE DEPOT AUTONOME POUR UNE COMPTABILITE DE CASINO AUTOMATISEE**
[72] PECHINKO, PAUL, US
[73] JCM AMERICAN CORPORATION, US
[85] 2021-08-13
[86] 2020-05-07 (PCT/US2020/031788)
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[54] **WIRELESS COMMUNICATION DEVICE, RADIO ACCESS NETWORK NODE, METHODS, AND COMPUTER PROGRAMS FOR POWER EFFICIENT PAGING ESCALATION**
[54] **DISPOSITIF DE COMMUNICATION SANS FIL, NOEUD DE RESEAU D'ACCES RADIOELECTRIQUE, PROCEDES ET PROGRAMMES INFORMATIQUES DESTINES A UNE ESCALADE DE RADIORECHERCHE EFFICACE EN PUISSANCE**
[72] LIBERG, OLOF, SE
[72] ASTROM, MAGNUS, SE
[72] HOGLUND, ANDREAS, SE
[73] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2021-08-16
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[25] EN
[54] **PLANK WITH VENEER MATERIAL FUSED TO RIGID CORE**
[54] **PLANCHE DOTEE D'UN MATERIAU DE PLACAGE FUSIONNE A UN NOYAU RIGIDE**
[72] CHEN, ZHU, US
[73] WELLMADE FLOOR COVERING INT'L INC., US
[85] 2021-08-18
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[54] **NARROW APERTURE LUMINAIRES AND LIGHT GUIDES THEREFOR**
[54] **APPAREILS D'ECLAIRAGE A OUVERTURE ETROITE ET GUIDES LUMINEUX CONNEXES**
[72] SANTORO, SCOTT, CA
[72] WONG, KENTON KENG TING, CA
[73] LMPG INC., CA
[86] (3130841)
[87] (3130841)
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[25] EN
[54] **PHARMACEUTICAL COMPOSITION COMPRISING GILTERITINIB AND METHOD OF PRODUCING THE SAME**
[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT DU GILTERITINIB ET METHODE DE FABRICATION**
[72] SASAKI, AKIHIKO, JP
[72] TANAKA, KO, JP
[72] MIYAZAKI, MASAKAZU, JP
[72] TAKAE, SEIJI, JP
[73] ASTELLAS PHARMA INC., JP
[85] 2021-09-22
[86] 2020-04-02 (PCT/JP2020/015225)
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[25] EN
[54] **GRINDER HAVING BLOCKING ELEMENT**
[54] **BROYEUR POURVU D'UN ELEMENT DE BLOCAGE**
[72] FRIES, RUDOLF, AT
[73] JOMA KUNSTSTOFFTECHNIK GMBH, AT
[85] 2021-09-23
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[25] EN
[54] **FILTER CARTRIDGE ASSEMBLY HAVING FLUID MANAGEMENT STRUCTURE**
[54] **ENSEMBLE CARTOUCHE DE FILTRE PRESENTANT UNE STRUCTURE DE GESTION DE FLUIDE**
[72] JONES, JACOB, US
[72] ALLEN, JOSEPH, US
[72] TEYMOURI, JONATHAN, US
[72] RETURETA, STEPHANIE, US
[72] CRAIN, RODNEY, US
[72] KRISHNAMOORTHY, MAHESH, US
[73] CONMED CORPORATION, US
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[30] US (62/831,933) 2019-04-10
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[25] EN
[54] **SOUND REPRODUCING APPARATUS, SOUND REPRODUCING METHOD, AND COMPUTER READABLE STORAGE MEDIUM**
[54] **APPAREIL DE REPRODUCTION SONORE, PROCEDE DE REPRODUCTION SONORE ET SUPPORT DE STOCKAGE LISIBLE PAR ORDINATEUR**
[72] KOBAYASHI, SHIRO, US
[72] YAMASHITA, MASAYA, JP
[72] ISHII, TAKESHI, JP
[72] MEJIMA, SOICHI, JP
[73] ASAHI KASEI KABUSHIKI KAISHA, JP
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[54] **APPARATUS FOR LOCATING A MOBILE RAILWAY ASSET**
[54] **APPAREIL DE LOCALISATION D'UN ACTIF DE CHEMIN DE FER MOBILE**
[72] BONNES, MATTHEW, US
[72] SOLLENBERGER, THOMAS J., US
[72] COOPER, FRANCIS JAMES, US
[73] AMSTED RAIL COMPANY, INC., US
[85] 2021-10-05
[86] 2020-05-07 (PCT/US2020/031843)
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[25] EN
[54] **ANTIBODY OR CHIMERIC ANTIGEN RECEPTOR WHICH TARGETS CLAUDIN 18.2**
[54] **ANTICORPS OU RECEPTEUR ANTIGENIQUE CHIMERIQUE CIBLANT LA CLAUDINE 18.2**
[72] SONG, DEYONG, CN
[72] ZHOU, LI, US
[72] DONG, CHUANGCHUANG, CN
[72] NING, ZHENFEI, CN
[73] SHANDONG BOAN BIOTECHNOLOGY CO., LTD., CN
[85] 2021-10-01
[86] 2020-05-28 (PCT/CN2020/092849)
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[30] CN (201910459129.1) 2019-05-30
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[25] EN
[54] **ASSISTIVE APPARATUS FOR A STANDING OPERATION**
[54] **APPAREIL D'AIDE A SE LEVER**
[72] NOMURA, HIDEAKI, JP
[72] TAKAHASHI, RYU, JP
[72] NAKANE, NOBUYUKI, JP
[72] NAKANE, KUNIYASU, JP
[73] FUJI CORPORATION, JP
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[86] 2019-04-12 (PCT/JP2019/016064)
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[25] EN
[54] **ANTI-TIE2 ANTIBODY AND USE THEREOF**
[54] **ANTICORPS ANTI-TIE 2 ET SON UTILISATION**
[72] LEE, EUN-AH, KR
[72] PARK, BEOM YONG, KR
[72] KANG, NU RI, KR
[72] PARK, CHEONHO, KR
[72] LEE, YOUNGAE, KR
[72] KIM, DO-YUN, KR
[72] LEE, WEON SUP, KR
[72] YOO, JIN-SAN, KR
[73] PHARMABCINE INC., KR
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[54] **HEPATITIS C VIRUS DETECTION KIT**
[54] **KIT DE DETECTION DU VIRUS DE L'HEPATITE C**
[72] PAN, SHAOLI, CN
[72] LI, RUIJING, CN
[72] YU, XIULING, CN
[72] CHENG, ZHENZHU, CN
[72] WU, YUNBO, CN
[72] CHEN, YICHEN, CN
[72] CHI, LANGSHAN, CN
[72] GONG, HANG, CN
[72] OUYANG, SUIYAN, CN
[73] FAPON BIOTECH INC., CN
[85] 2021-10-29
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[54] **NON-SHEDDING COUPLING METHOD AND SYSTEM FOR RELOADABLE HEMOSTASIS CLIP**
[54] **PROCEDE ET SYSTEME DE COUPLAGE SANS DELESTAGE POUR PINCE HEMOSTATIQUE RECHARGEABLE**
[72] RAUSA, JOSEPH, US
[72] MURRAY, COLLIN, US
[72] KING, JOSEPH W., US
[73] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2021-11-05
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[25] EN
[54] **CARTRIDGE, PROCESS CARTRIDGE AND ELECTROPHOTOGRAPHIC IMAGE FORMING APPARATUS**
[54] **CARTOUCHE, CARTOUCHE DE TRAITEMENT, ET DISPOSITIF DE PRODUCTION D'IMAGES ELECTROPHOTOGRAPHIQUES**
[72] KANNO, KAZUHIKO, JP
[72] NISHIYA, SATOSHI, JP
[72] SATO, MASAAKI, JP
[72] YAMASHITA, MASATOSHI, JP
[73] CANON KABUSHIKI KAISHA, JP
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[54] **METHOD, DEVICE, AND SYSTEM FOR VERIFYING AN ELECTRONIC CERTIFICATE COLLECTOR**
[54] **METHODE, DISPOSITIF ET SYSTEME POUR VERIFIER UN COLLECTEUR DE CERTIFICAT ELECTRONIQUE**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
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[25] EN
[54] **TEXTURED FABRIC SURFACES SEALED WITH OVERLAID POLYMERIC LAYERS**
[54] **SURFACES DE TISSU TEXTUREES SCELLEES AVEC DES COUCHES POLYMERES SUPERPOSEES**
[72] REES, JOHN JOSEPH MATTHEWS, US
[72] ZAFIROGLU, DIMITRI, US
[72] DANIELL, ANTHONY, US
[73] ENGINEERED FLOORS LLC, US
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[25] EN
[54] **USE OF AMINOTHIOL COMPOUNDS AS CEREBRAL NERVE OR HEART PROTECTIVE AGENT**
[54] **UTILISATION DE COMPOSES AMINOTHIOL EN TANT QU'AGENTS DE PROTECTION DES NERFS CEREBRAUX OU DU COEUR**
[72] TIAN, HONGQI, CN
[72] LIU, YAHONG, CN
[73] SHANGHAI KECHOW PHARMA, INC., CN
[85] 2021-12-08
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[51] **Int.Cl. F42D 1/00 (2006.01) G06V 20/10 (2022.01) F42D 3/04 (2006.01)**
[25] EN
[54] **IMPROVING BLAST PATTERNS**
[54] **AMELIORATION DE MODELES DE COUP DE MINE**
[72] TREAT, NEIL DAVID, US
[72] HUNT, THOMAS PETER, US
[72] GONCHARUK, ARTEM, US
[72] DAVIS, KAREN R., US
[72] SAHNEY, VIKRAM NEAL, US
[73] X DEVELOPMENT LLC, US
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[54] **NOVEL GROOVE CUTTER WITH CHIP BREAKER**
[54] **NOUVEAU COUTEAU A RAINURE AVEC BRISE-COPEAUX**
[72] ZHANG, ZONGCHAO, CN
[72] HAN, QI, CN
[72] HAN, SHUO, CN
[72] WANG, YANYAN, CN
[73] BEIJING WORLDIA DIAMOND TOOLS CO., LTD., CN
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[87] (WO2022/017176)
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[25] EN
[54] **SEPARATOR APPARATUS AND FEED ARRANGEMENT FOR INCREASED CAPACITY**
[54] **APPAREIL DE SEPARATION ET AGENCEMENT D'ALIMENTATION POUR UNE CAPACITE ACCRUE**
[72] ORUPOLD, TAAVI, AU
[72] GARDINER, MICHAEL, AU
[72] SADLER, BYRON, AU
[72] KLOS, ANDREW, AU
[72] STARR, DAVID, AU
[73] FLSMIDTH A/S, DK
[85] 2021-12-21
[86] 2020-06-29 (PCT/IB2020/056139)
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[51] **Int.Cl. D21C 9/18 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR TREATING LIGNOCELLULOSIC MATERIAL**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT DE MATERIAU LIGNOCELLULOSIQUE**
[72] CAMPBELL, TYLER, US
[72] DRAPER, ED, US
[72] LEWIS, MARK, US
[73] SUSTAINABLE FIBER TECHNOLOGIES, LLC, US
[85] 2021-12-21
[86] 2020-06-26 (PCT/US2020/039844)
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[30] US (62/868,498) 2019-06-28

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[25] EN
[54] **TUBE CLEANING ROBOT**
[54] **ROBOT DE NETTOYAGE DE TUBES**
[72] STEPHENSON, ADAM, GB
[72] SUMSION, DEREK, GB
[73] TUBE TECH INDUSTRIAL LIMITED, GB
[85] 2021-12-23
[86] 2020-06-24 (PCT/GB2020/051528)
[87] (WO2020/260872)
[30] GB (1909266.7) 2019-06-27

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[51] **Int.Cl. A61B 5/053 (2021.01) A61B 5/0535 (2021.01) A61B 5/282 (2021.01) A61B 5/0295 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR SENSING SIGNALS FROM A BODY**
[54] **DISPOSITIF ET PROCEDE DE DETECTION DE SIGNAUX A PARTIR D'UN CORPS**
[72] KAPLAN, YOCHAY, IL
[72] LEVY, BARUCH, IL
[72] SCHUSMAN, ELIEZER, IL
[72] DINOUR, MORDECHAI, IL
[73] BAXTER INTERNATIONAL INC., US
[73] BAXTER HEALTHCARE SA, CH
[85] 2021-12-30
[86] 2020-06-30 (PCT/US2020/040234)
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[25] EN
[54] **RUNNING LINES THROUGH EXPANDABLE METAL SEALING ELEMENTS**
[54] **PASSAGE DE LIGNES A TRAVERS DES ELEMENTS D'ETANCHEITE METALLIQUES EXPANSIBLES**
[72] GRECI, STEPHEN MICHAEL, US
[72] FRIPP, MICHAEL LINLEY, US
[72] CUNNINGHAM, GREGORY SCOTT, US
[72] ADKINS, DARRELL WAYNE, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[51] **Int.Cl. H04N 7/15 (2006.01) H04N 5/45 (2011.01) H04N 5/63 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PARTICIPANT-CONTROLLED VIDEO CONFERENCING**
[54] **SYSTEMES ET PROCEDES POUR UNE VIDEOCONFERENCE COMMANDEE PAR UN PARTICIPANT**
[72] DECAMP, RONALD, US
[72] TSANG, MAN CHEUNG DAN, US
[72] MARKOVSKY, NICHOLAS ANTHONY, US
[73] TARGUS INTERNATIONAL LLC, US
[85] 2022-01-27
[86] 2020-08-21 (PCT/US2020/047448)
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[30] US (62/890,482) 2019-08-22

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[25] EN
[54] **IMIDAZOPYRIDAZINE COMPOUND HAVING A SUBSTITUTED CYCLOPROPANE-OXADIAZOLE AND USE THEREOF AS INSECTICIDE OR FOR CONTROLLING ANIMAL ECTOPARASITES OR ENDOPARASITES**
[54] **COMPOSE D'IMIDAZOPYRIDINE COMPRENANT UN OXADIAZOLE DE CYCLOPROPANE SUBSTITUE ET UTILISATION COMME INSECTICIDE OU POUR CONTROLER LES ECTOPARASITES OU LES ENDOPARASITES ANIMAUX**
[72] YAMAUCHI, CHIAKI, JP
[72] YONEMURA, IKKI, JP
[73] NIHON NOHYAKU CO., LTD., JP
[85] 2022-02-03
[86] 2020-09-11 (PCT/JP2020/034388)
[87] (WO2021/049596)
[30] JP (2019-165793) 2019-09-12

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[25] EN
[54] **METHOD FOR OBTAINING HEALTHY INTESTINAL ORGANOIDS**
[54] **PROCEDE D'OBTENTION D'ORGANOIDES INTESTINAUX SAINS**
[72] RIZZI, SIMONE, CH
[72] TOUATI, JEREMY, CH
[72] FREGNI, GIULIA, CH
[72] BUCHANAN PISANO, CARA, CH
[72] COUMAILLEAU, FRANCK, CH
[72] HEULOT, MATHIEU, CH
[73] PRECISION CANCER TECHNOLOGIES INC., CA
[85] 2022-03-07
[86] 2020-08-24 (PCT/EP2020/073586)
[87] (WO2021/043606)
[30] EP (19195855.2) 2019-09-06

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[51] **Int.Cl. E02D 5/80 (2006.01) B63B 21/26 (2006.01) E02D 27/52 (2006.01) F16B 13/10 (2006.01)**
[25] EN
[54] **FIXATION DEVICE AND INSTALLATION METHOD**
[54] **DISPOSITIF DE FIXATION ET PROCEDE D'INSTALLATION**
[72] HUNT, ANDREW, GB
[72] CRESSWELL, NICHOLAS, GB
[73] SCHOTTEL MARINE TECHNOLOGIES GMBH, DE
[85] 2022-02-10
[86] 2020-08-11 (PCT/GB2020/051911)
[87] (WO2021/028676)
[30] GB (1911535.1) 2019-08-12
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[25] EN
[54] **GOODS PROTECTION INSERT AND USES THEREOF**
[54] **INSERT DE PROTECTION DE MARCHANDISES ET SES UTILISATIONS**
[72] HAMMER, IFAT, IL
[73] LIVA BIO PROTECTION TECHNOLOGIES LTD, IL
[85] 2022-02-22
[86] 2020-08-20 (PCT/IL2020/050916)
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[25] EN
[54] **THIN SAFETY DOOR**
[54] **PORTE DE SECURITE MINCE**
[72] YAN, HUA, CN
[72] CHEN, BIN, CN
[72] CAI, SUFENG, CN
[73] JIANGSU GENERAL PROTECHT CO., LTD., CN
[85] 2022-03-25
[86] 2020-09-30 (PCT/CN2020/000232)
[87] (WO2021/093133)
[30] CN (201921937937.6) 2019-11-11

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[13] C
[51] **Int.Cl. H04L 67/02 (2022.01) H04L 69/22 (2022.01)**
[25] EN
[54] **HTTP REDIRECT STATUS CODE CAPTURE METHOD AND APPARATUS, AND COMPUTER DEVICE**
[54] **PROCEDE ET APPAREIL DE CAPTURE DE CODE DE STATUT DE REACHEMINEMENT HTTP ET DISPOSITIF INFORMATIQUE**
[72] CAI, SENLIN, CN
[72] FEI, QUGANG, CN
[72] CHEN, QIN, CN
[73] 10353744 CANADA LTD., CA
[85] 2022-03-04
[86] 2020-06-19 (PCT/CN2020/096996)
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[30] CN (201910831868.9) 2019-09-04

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[51] **Int.Cl. A61K 31/42 (2006.01) A23L 33/10 (2016.01) A23L 33/16 (2016.01) A61K 33/14 (2006.01) A61P 25/24 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY OF CYCLOSERINE AND LITHIUM FOR THE TREATMENT OF DEPRESSION**
[54] **POLYTHERAPIE DE CYCLOSERINE ET DE LITHIUM POUR LE TRAITEMENT DE LA DEPRESSION**
[72] LEE, SUKCHAN, KR
[72] CHI, YONG HA, KR
[72] JANG, DONG CHEOL, KR
[72] KWON, GIBEOM, KR
[73] NEURORIVE INC, KR
[85] 2022-04-11
[86] 2020-11-27 (PCT/KR2020/017101)
[87] (WO2021/107690)
[30] KR (10-2019-0154218) 2019-11-27

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[25] EN
[54] **METHOD OF STIRRING LIQUID METAL IN AN ELECTRIC ARC FURNACE**
[54] **PROCEDE D'AGITATION DE METAL LIQUIDE DANS UN FOUR A ARC ELECTRIQUE**
[72] PATRIZIO, DAMIANO, IT
[72] CODUTTI, ANDREA, IT
[72] BURIN, PAOLO, IT
[72] SELLAN, ROMANO, IT
[72] GAGLIARDI, NICOLA, IT
[73] DANIELI & C. OFFICINE MECCANICHE S.P.A., IT
[85] 2022-03-17
[86] 2020-09-15 (PCT/IT2020/050223)
[87] (WO2021/053701)
[30] IT (102019000016790) 2019-09-19

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[51] **Int.Cl. B32B 3/04 (2006.01) B32B 13/08 (2006.01) B32B 13/14 (2006.01) C04B 28/14 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A CEMENTITIOUS BOARD, APPARATUS FOR PRODUCING A CEMENTITIOUS BOARD, AND CEMENTITIOUS BOARD**
[54] **PROCEDE DE PRODUCTION D'UNE PLAQUE CIMENTAIRE, APPAREIL DE PRODUCTION D'UNE PLAQUE CIMENTAIRE ET PLAQUE CIMENTAIRE**
[72] KARAKOUSSIS, STERGIOS, DE
[72] HARTMANN, ALEXANDER, DE
[72] PARASKOV, GEORGI, DE
[72] KNAUF, CARLO, DE
[72] PETER, ANTON, DE
[73] KNAUF GIPS KG, DE
[85] 2022-04-19
[86] 2019-12-16 (PCT/EP2019/000337)
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[13] C
[51] **Int.Cl. G02B 5/20 (2006.01) G02B 5/18 (2006.01) G02B 6/34 (2006.01)**
[25] EN
[54] **OPTICAL FIBER FILTER OF WIDEBAND DELETERIOUS LIGHT AND USES THEREOF**
[54] **FILTRE A FIBRE OPTIQUE DE LUMIERE DELETERE LARGE BANDE ET UTILISATIONS ASSOCIEES**
[72] BROCHU, GUILLAUME, CA
[72] MORIN, MICHEL, CA
[72] TREPANIER, FRANCOIS, CA
[73] TERAXION INC., CA
[86] (3156196)
[87] (3156196)
[22] 2017-06-23
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[25] EN
[54] **LIPID COMPOSITION**
[54] **COMPOSITION LIPIDIQUE**
[72] SEKIGUCHI, TAKAHIRO, JP
[72] ENDO, TAISUKE, JP
[72] KANEUMI, SHUN, JP
[72] NORO, MASAKI, JP
[72] TANABE, SHINTARO, JP
[72] YAMAMOTO, MASAHIKO, JP
[73] FUJIFILM CORPORATION, JP
[85] 2022-05-12
[86] 2020-11-13 (PCT/JP2020/042513)
[87] (WO2021/095876)
[30] JP (2019-207118) 2019-11-15

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[13] C
[51] **Int.Cl. A61B 5/31 (2021.01) A61B 5/315 (2021.01) A61L 31/04 (2006.01)**
[25] EN
[54] **MEDICAL DELIVERY DEVICES HAVING LOW LUBRICANT SYRINGE BARRELS**
[54] **DISPOSITIFS D'ADMINISTRATION MEDICAUX COMPRENANT DES CYLINDRES DE SERINGUE A FAIBLE TENEUR EN LUBRIFIANT**
[72] BERG, MICHAEL C., US
[72] TODD, DANIEL H., US
[72] VAN VOORHEES, ERIC J., US
[73] W. L. GORE & ASSOCIATES, INC., US
[86] (3158782)
[87] (3158782)
[22] 2018-02-27
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[30] US (62/464,139) 2017-02-27
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[25] EN
[54] **SYSTEMS AND METHODS FOR ENHANCED DETECTION AND QUANTIFICATION OF ANALYTES**
[54] **SYSTEMES ET PROCEDES POUR LA DETECTION AMELIOREE ET LA QUANTIFICATION DE SUBSTANCES A ANALYSER**
[72] KHATTAK, AYUB, US
[72] SEVER, CLINTON, US
[72] NELSON, PAUL, US
[72] COOPER, RYAN, US
[72] CONGDON, THOMAS, US
[72] DEMARTINO, JUSTIN, US
[72] SHAPIRO, RAPHAEL, US
[72] DUNCAN, MARK, US
[73] CUE HEALTH INC., US
[86] (3159274)
[87] (3159274)
[22] 2016-07-16
[62] 2,992,596
[30] US (62/194,101) 2015-07-17

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[13] C
[51] **Int.Cl. A61K 31/573 (2006.01) A61K 31/4166 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **CORTEXOLONE 17ALPHA-VALERATE FOR USE IN THE TREATMENT OF TUMORS**
[54] **17ALPHA-VALERATE DE CORTEXOLONE A UTILISER DANS LE TRAITEMENT DES TUMEURS**
[72] GERLONI, MARA, US
[73] COSMO TECHNOLOGIES LTD, IE
[86] (3160391)
[87] (3160391)
[22] 2015-10-07
[62] 2,960,928
[30] EP (14188063.3) 2014-10-08

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[25] EN
[54] **DOSAGE FORM FOR USE IN TREATING OR PREVENTING OF A DISEASE**
[54] **FORME GALENIQUE DESTINEE A ETRE UTILISEE DANS LE TRAITEMENT OU LA PREVENTION D'UNE MALADIE**
[72] HAKSAR, PRIYANKA, IN
[72] JOSHI, SHRADDHA, IN
[72] KAPALE, UMESH, IN
[72] BHARAMBE, NILAM, IN
[72] GUHA, ASHISH, IN
[72] JAIN, VINAY, IN
[73] EVONIK OPERATIONS GMBH, DE
[85] 2022-06-06
[86] 2020-09-17 (PCT/EP2020/075962)
[87] (WO2021/115650)
[30] IN (201941051259) 2019-12-11

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[13] C
[51] **Int.Cl. B01D 53/047 (2006.01) B01D 53/14 (2006.01) B01D 53/26 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SEPARATING METHANE AND NITROGEN WITH REDUCED HORSEPOWER DEMANDS**
[54] **SYSTEME ET PROCEDE DE SEPARATION DE METHANE ET D'AZOTE AVEC DES DEMANDES DE PUISSANCE REDUITES**
[72] BUTTS, RAYBURN C., US
[73] BCCK HOLDING COMPANY, US
[85] 2022-06-10
[86] 2020-12-02 (PCT/US2020/062772)
[87] (WO2021/118836)
[30] US (16/714,110) 2019-12-13
[30] US (16/852,770) 2020-04-20

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[13] C
[51] **Int.Cl. G01N 27/414 (2006.01)**
[25] EN
[54] **SENSING CHIP WITH FLUIDIC DEVICE**
[54] **PUCE DE DETECTION ET DISPOSITIF FLUIDIQUE**
[72] KAO, HSI-TENG, TW
[73] KAO, HSI-TENG, TW
[86] (3164766)
[87] (3164766)
[22] 2022-06-21
[30] TW (110122708) 2021-06-22
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[25] EN
[54] **MICROBIAL BIOMASS-BASED FEED PRODUCTS**
[54] **PRODUITS ALIMENTAIRES A BASE DE BIOMASSE MICROBIENNE**
[72] SEFTON, BRIAN A., US
[72] COLEMAN, WILLIAM J., US
[73] OAKBIO INC., US
[86] (3166871)
[87] (3166871)
[22] 2022-07-05
[30] US (17/368,601) 2021-07-06

[11] **3,167,905**
[13] C
[51] **Int.Cl. E06B 11/02 (2006.01) B65G 69/34 (2006.01) B66B 13/00 (2006.01) E04G 21/32 (2006.01)**
[25] EN
[54] **SAFETY GATES FOR ELEVATED PLATFORMS, AND RELATED METHODS OF USE**
[54] **PORTES DE SECURITE POUR DES PLATEFORMES ELEVEES ET METHODES CONNEXES D'UTILISATION**
[72] MIRZA, MUNSOOR, CA
[72] INGRAM, BARRETT, CA
[72] BRETON, JONATHAN, CA
[72] HARDMAN, KEN, CA
[73] LOADGATE INDUSTRIES LTD., CA
[86] (3167905)
[87] (3167905)
[22] 2021-09-24
[30] CA (3120913) 2021-06-03

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[51] **Int.Cl. B22D 41/13 (2006.01)**
[25] EN
[54] **ROBOTIZED LADLE TURRET SYSTEM**
[54] **SYSTEME DE TOURELLE DE POCHE ROBOTISE**
[72] DELSINE, DAMIEN, BE
[72] RENARD, JEAN-LUC, BE
[72] FAN, XINGQI, CN
[73] VESUVIUS GROUP, S.A., BE
[85] 2022-08-12
[86] 2021-02-17 (PCT/EP2021/053854)
[87] (WO2021/165299)
[30] EP (20157812.7) 2020-02-18

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[51] **Int.Cl. E21B 34/06 (2006.01) E21B 34/14 (2006.01) F16K 3/26 (2006.01) F16K 31/08 (2006.01) F16K 37/00 (2006.01)**
[25] EN
[54] **VALVE POSITION SENSING USING ELECTRIC AND MAGNETIC COUPLING**
[54] **DETECTION DE POSITION DE VANNE A L'AIDE D'UN COUPLAGE ELECTRIQUE ET MAGNETIQUE**
[72] JOSEPH, JOSEPH CHAKKUNGAL, US
[72] JAMES, PAUL GREGORY, US
[72] WANG, ZIQUAN, US
[72] VAYEDA, RAVI SHARAD, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-08-09
[86] 2020-04-30 (PCT/US2020/030771)
[87] (WO2021/216095)
[30] US (16/855,134) 2020-04-22

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[25] EN
[54] **METHOD FOR TREATING ALLOY**
[54] **PROCEDE DE TRAITEMENT D'ALLIAGE**
[72] KUDOU, KEIJI, JP
[72] ASANO, SATOSHI, JP
[72] HEGURI, SHIN-ICHI, JP
[72] TAKENOUCHI, HIROSHI, JP
[72] SHOUJI, HIROFUMI, JP
[72] MATSUOKA, ITSUMI, JP
[72] SANJO, SHOTA, JP
[72] MATSUGI, TAKUMI, JP
[73] SUMITOMO METAL MINING CO., LTD., JP
[85] 2022-09-22
[86] 2021-03-11 (PCT/JP2021/009777)
[87] (WO2021/193095)
[30] JP (2020-051156) 2020-03-23

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[13] C
[51] **Int.Cl. B65B 11/50 (2006.01) A61J 7/02 (2006.01) B65D 75/36 (2006.01)**
[25] EN
[54] **TRAY SYSTEM AND METHOD FOR FILLING PILLS INTO BLISTER PACKS**
[54] **SYSTEME DE PLATEAU ET METHODE DE REMPLISSAGE D'EMBALLAGES-COQUES DE PILULES**
[72] BOUTHIETTE, ETIENNE, CA
[73] 9155-0020 QUEBEC INC., CA
[86] (3173779)
[87] (3173779)
[22] 2022-09-14
[30] US (63/262,757) 2021-10-20

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[13] C
[51] **Int.Cl. C09D 183/04 (2006.01) C23C 18/12 (2006.01) H01L 31/0216 (2014.01) H01L 31/0392 (2006.01)**
[25] EN
[54] **DIELECTRIC COATING**
[54] **REVETEMENT DIELECTRIQUE**
[72] LE CRAZ, SEBASTIEN, BE
[73] ARCELORMITTAL, LU
[85] 2022-09-06
[86] 2021-03-16 (PCT/IB2021/052174)
[87] (WO2021/186341)
[30] IB (PCT/IB2020/052462) 2020-03-18

[11] **3,175,111**
[13] C
[51] **Int.Cl. B22D 11/06 (2006.01) B22D 11/126 (2006.01) B22D 11/128 (2006.01) B22D 11/16 (2006.01) B22D 11/20 (2006.01) B65G 43/08 (2006.01) B65G 43/10 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING CONVEYORS DURING CASTING**
[54] **SYSTEMES ET PROCEDES DE COMMANDE DE TRANSPORTEURS PENDANT LA COULEE**
[72] MCCALLUM, JOHN ROBERT BUSTER, US
[72] TINGEY, JOHN S., US
[72] BETTS, WILLIAM M., US
[73] NOVELIS INC., US
[85] 2022-09-12
[86] 2021-05-13 (PCT/US2021/032156)
[87] (WO2021/231681)
[30] US (63/024,664) 2020-05-14

[11] ***3,175,619**
[13] C
[51] **Int.Cl. G06F 16/27 (2019.01) G06F 16/23 (2019.01)**
[25] EN
[54] **CROSS-NETWORK IDENTITY PROVISIONING**
[54] **FOURNITURE D'IDENTITE INTER-RESEAUX**
[72] NOVOTNY, PETR, US
[72] OLSON, TIMOTHY, US
[72] RAMAKRISHNA, VENKATRAMAN, IN
[72] GAUR, NITIN, US
[73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2022-10-14
[86] 2021-05-10 (PCT/IB2021/053945)
[87] (WO2021/229404)
[30] US (15/930,515) 2020-05-13

[11] **3,175,939**
[13] C
[51] **Int.Cl. G06F 16/176 (2019.01)**
[25] EN
[54] **BLACKLIST DATA SHARING METHOD AND SYSTEM BASED ON BLOCKCHAIN**
[54] **PROCEDE ET SYSTEME DE PARTAGE DE DONNEES DE LISTE NOIRE A BASE DE CHAINE DE BLOCS**
[72] SHENG, WEI, CN
[72] ZHENG, ZHITAN, CN
[73] 10353744 CANADA LTD., CA
[85] 2022-09-19
[86] 2019-09-30 (PCT/CN2019/109349)
[87] (WO2020/186726)
[30] CN (201910203937.1) 2019-03-18

[11] **3,177,840**
[13] C
[51] **Int.Cl. B03B 9/06 (2006.01) B01D 11/02 (2006.01) B03B 5/68 (2006.01) B09B 3/00 (2022.01) C10C 3/00 (2006.01) C10C 3/02 (2006.01) C10C 3/14 (2006.01)**
[25] EN
[54] **METHOD, PROCESS AND SYSTEM FOR RECYCLING AN ASPHALT-BASED ROOFING MATERIAL**
[54] **METHODE ET SYSTEME DE RECYCLAGE DE MATERIAU DE COUVERTURE A BASE D'ASPHALTE**
[72] CHARLES, TERRY ALAN, CA
[72] JOHNSON, GORD, CA
[72] DIEBOLD, BARRY, CA
[73] NORTHSTAR CLEAN TECHNOLOGIES INC., CA
[86] (3177840)
[87] (3177840)
[22] 2022-09-29
[30] US (17/681,407) 2022-02-25

[11] **3,178,000**
[13] C
[51] **Int.Cl. H05B 1/02 (2006.01) A47G 9/02 (2006.01) G05D 23/19 (2006.01) H05B 3/06 (2006.01) H05B 3/36 (2006.01)**
[25] EN
[54] **NOVEL ELECTRIC HEATING COVERING DEVICE**
[54] **NOUVEAU DISPOSITIF DE COUVERTURE CHAUFFANTE ELECTRIQUE**
[72] LUO, TIANMING, CN
[72] QI, MINGWEN, CN
[72] XIA, YIBING, CN
[72] DENG, GENKUN, CN
[73] STAR ELITE INC., CA
[86] (3178000)
[87] (3178000)
[22] 2022-09-30
[30] CN (202210062444.2) 2022-01-19

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[51] **Int.Cl. C07D 239/54 (2006.01) A61K 31/55 (2006.01) A61P 5/02 (2006.01)**
[25] EN
[54] **GONADOTROPIN-RELEASING HORMONE RECEPTOR ANTAGONIST AND USE THEREOF**
[54] **ANTAGONISTE DU RECEPTEUR DE L'HORMONE DE LIBERATION DE LA GONADOTROPINE ET SON UTILISATION**
[72] LIU, GUOQIANG, CN
[72] LIU, WEI, CN
[72] WANG, YANDONG, CN
[73] SHIJIAZHUANG YILING PHARMACEUTICAL CO., LTD., CN
[85] 2022-10-19
[86] 2021-05-20 (PCT/CN2021/094748)
[87] (WO2021/213538)
[30] CN (202010311436.8) 2020-04-20

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[25] EN
[54] **A MARINE POWER PLANT ASSEMBLY**
[54] **ENSEMBLE DE CENTRALE ELECTRIQUE MARINE**
[72] VERMES-GABOS, ANDRAS, GB
[73] VERMES-GABOS, ANDRAS, GB
[85] 2023-01-27
[86] 2021-07-27 (PCT/EP2021/071066)
[87] (WO2022/023377)
[30] GB (2011650.5) 2020-07-28

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[51] **Int.Cl. B61B 13/06 (2006.01) B60G 21/00 (2006.01) E01B 25/28 (2006.01) E01C 9/02 (2006.01)**
[25] EN
[54] **NARROW WIDTH PERSONAL TRANSPORTATION SYSTEM**
[54] **SYSTEME DE TRANSPORT PERSONNEL A LARGEUR ETROITE**
[72] NATIV, YECHIEL, IL
[73] NETIVONIM LTD., IL
[85] 2022-12-22
[86] 2021-06-17 (PCT/IL2021/050736)
[87] (WO2021/260680)
[30] IL (275587) 2020-06-22
[30] US (63/148,158) 2021-02-11

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[13] C
[51] **Int.Cl. A23L 33/135 (2016.01) A23L 29/206 (2016.01) A23C 19/055 (2006.01) A23C 20/02 (2021.01)**
[25] EN
[54] **FOOD COMPONENTS HAVING HIGH PROTEIN CONTENT**
[54] **COMPOSANTS ALIMENTAIRES AYANT UNE TENEUR ELEVEE EN PROTEINES**
[72] TRACY, BRYAN P., US
[72] EYAL, AHARON, IL
[72] SOMEKH, SASS, US
[72] JONES, SHAWN, US
[72] MITCHELL, DANIEL KNOX, US
[72] KARPOL, ALON, IL
[72] ANKELLA-ANDERSON, KARTHEEK, US
[73] SUPERBREWED FOOD, INC., US
[85] 2023-02-15
[86] 2021-08-22 (PCT/IB2021/057696)
[87] (WO2022/043847)
[30] US (63/069,087) 2020-08-23
[30] US (63/183,273) 2021-05-03
[30] US (63/208,017) 2021-06-08

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[13] C
[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/4184 (2006.01)**
[25] EN
[54] **STABLE SALT AND CRYSTAL FORMS OF 2-[3-({1-[2-(DIMETHYLAMINO)ETHYL]-2-(2,2-DIMETHYLPROPYL)-1H-1,3-BENZODIAZOL-5-YL}SULFONYL)AZETIDIN-1-YL]ETHAN-1-OL**
[54] **SEL ET FORMES CRISTALLINES STABLES DU 2-[3-({1-[2-(DIMETHYLAMINO)ETHYL]-2-(2,2-DIMETHYLPROPYL)-1H-1,3-BENZODIAZOL-5-YL}SULFONYL)AZETIDIN-1-YL]ETHAN-1-OL**
[72] INAMI, YUKARI, JP
[72] OKUMURA, YOSHIYUKI, JP
[72] WALKER, TRACY, GB
[73] ASKAT INC., JP
[85] 2023-03-23
[86] 2021-11-11 (PCT/JP2021/041552)
[87] (WO2022/102713)
[30] US (63/112,893) 2020-11-12

[11] **3,199,510**
[13] C
[51] **Int.Cl. H03K 19/094 (2006.01) H03K 19/20 (2006.01)**
[25] EN
[54] **COMPOSITE LOGIC GATE CIRCUIT**
[54] **CIRCUIT DE PORTE LOGIQUE COMPOSITE**
[72] KONG, WEIXIN, CN
[72] YU, DONG, CN
[72] TIAN, WENBO, CN
[72] FAN, ZHIJUN, CN
[72] YANG, ZUOXING, CN
[73] SHENZHEN MICROBT ELECTRONICS TECHNOLOGY CO., LTD., CN
[85] 2023-05-18
[86] 2022-01-12 (PCT/CN2022/071540)
[87] (WO2022/161167)
[30] CN (202110105646.6) 2021-01-26

[11] **3,201,563**
[13] C
[51] **Int.Cl. G02B 27/01 (2006.01) G02B 30/20 (2020.01) G02B 5/18 (2006.01)**
[25] EN
[54] **VIRTUAL AND AUGMENTED REALITY SYSTEMS AND METHODS HAVING IMPROVED DIFFRACTIVE GRATING STRUCTURES**
[54] **SYSTEMES ET PROCEDES DE REALITE VIRTUELLE ET AUGMENTEE AYANT DES STRUCTURES DE RESEAU DE DIFFRACTION AMELIOREES**
[72] TEKOLSTE, ROBERT D., US
[72] KLUG, MICHAEL A., US
[72] GRECO, PAUL M., US
[72] SCHOWENGERDT, BRIAN T., US
[73] MAGIC LEAP, INC., US
[86] (3201563)
[87] (3201563)
[22] 2016-01-26
[62] 2,975,234
[30] US (62/107,977) 2015-01-26

[11] **3,202,303**
[13] C
[51] **Int.Cl. A61K 47/68 (2017.01) A61K 47/65 (2017.01)**
[25] EN
[54] **TROP2 TARGETING ANTIBODY-DRUG CONJUGATE, AND PREPARATION METHOD AND USE THEREFOR**
[54] **CONJUGUE ANTICORPS-MEDICAMENT CIBLANT TROP2, PROCEDE DE PREPARATION ET UTILISATION S'Y RAPPORTANT**
[72] GUO, QINGSONG, CN
[72] SHEN, YIJUN, CN
[72] YANG, TONG, CN
[72] BAO, BIN, CN
[72] GAO, BEI, CN
[72] WU, FANG, CN
[72] XU, JUN, CN
[73] SHANGHAI FUDAN-ZHANGJIANG BIO-PHARMACEUTICAL CO., LTD., CN
[85] 2023-06-14
[86] 2020-12-18 (PCT/CN2020/137596)
[87] (WO2022/126593)

[11] **3,202,557**
[13] C
[51] **Int.Cl. G06F 17/00 (2019.01) G06Q 50/04 (2012.01) G06Q 10/063 (2023.01)**
[25] EN
[54] **A DATA DISTRIBUTION METHOD, APPARATUS, DEVICE AND STORAGE MEDIUM**
[54] **PROCEDE DE DISTRIBUTION DE DONNEES, APPAREIL, DISPOSITIF ET SUPPORT DE STOCKAGE**
[72] WANG, JIAN, CN
[72] TAO, LANG, CN
[72] HUANG, YI, CN
[72] DU, JIAN, CN
[72] FAN, ZHENG, CN
[73] 10353744 CANADA LTD., CA
[86] (3202557)
[87] (3202557)
[22] 2023-06-08
[30] CN (202210646837.8) 2022-06-08

[11] **3,204,883**
[13] C
[51] **Int.Cl. C07D 251/06 (2006.01)**
[25] EN
[54] **FLOW SYNTHESIS OF RDX**
[54] **SYNTHESE EN FLUX DE RDX**
[72] BURN, ANDY,ODEN, GB
[72] DIDSBURY, MATTHEW PAUL, GB
[72] KENNEDY, STUART, GB
[72] KENNEDY, NICOLA, GB
[72] PATERSON, IAN EWART MURRAY, GB
[72] JUBB, DANIEL, GB
[73] BAE SYSTEMS PLC, GB
[85] 2023-06-09
[86] 2021-12-01 (PCT/GB2021/053131)
[87] (WO2022/123216)
[30] GB (2019393.4) 2020-12-09

[11] **3,210,240**
[13] C
[51] **Int.Cl. G01N 21/75 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FINDING THE PEAK WAVELENGTH OF THE SPECTRUM SENSED BY AN LSPR SPECTROMETER**
[54] **SYSTEME ET PROCEDE DE DECOUVERTE DE LA LONGUEUR D'ONDE MAXIMALE DU SPECTRE DETECTE PAR UN SPECTROMETRE LSPR**
[72] KANADE, UDAYAN, IN
[72] GANU, SANAT, IN
[73] NICOYA LIFESCIENCES, INC., CA
[85] 2023-08-29
[86] 2022-03-01 (PCT/CA2022/050291)
[87] (WO2022/187931)
[30] US (63/158,214) 2021-03-08

[11] **3,211,029**
[13] C
[51] **Int.Cl. B63B 7/08 (2020.01) B63B 1/00 (2006.01) B63B 1/20 (2006.01)**
[25] EN
[54] **MARINE VESSEL COMPRISING A PLANING HULL**
[54] **NAVIRE MARITIME COMPRENANT UNE COQUE PLANANTE**
[72] MOXHAM, JOHN, GB
[72] MACANDREW, COLIN, IM
[73] THE ULTIMATE BOAT COMPANY LIMITED, IM
[85] 2023-08-11
[86] 2022-02-08 (PCT/EP2022/053001)
[87] (WO2022/171619)
[30] EP (21156803.5) 2021-02-12

[11] **3,211,896**
[13] C
[51] **Int.Cl. F16L 19/00 (2006.01) F16L 21/00 (2006.01) F16L 37/10 (2006.01)**
[25] EN
[54] **HIGH TEMPERATURE REMOTELY CONNECTED/DISCONNECTED PIPE CONNECTOR FOR MOLTEN SALT REACTORS**
[54] **RACCORD DE TUYAU CONNECTE/DECONNECTE A DISTANCE A HAUTE TEMPERATURE POUR REACTEURS A SELS FONDUS**
[72] TOWELL, RUSTY, US
[72] HEAD, TIM, US
[72] BAILEY, TOM, US
[73] ABILENE CHRISTIAN UNIVERSITY, US
[85] 2023-09-12
[86] 2022-03-11 (PCT/US2022/019959)
[87] (WO2022/192673)
[30] US (63/160,051) 2021-03-12

[11] **3,213,873**
[13] C
[51] **Int.Cl. E01C 19/10 (2006.01)**
[25] EN
[54] **REVERSED INTERSTITIAL PADDLES**
[54] **PALETTES INTERSTITIELLES INVERSEES**
[72] RISLEY, KEVIN, US
[72] WALKER, CHASE, US
[72] VARNER, MICHAEL C., US
[72] HOBBS, ANDREW, GB
[72] RENEGAR, GREG, US
[73] ASTEC, INC., US
[85] 2023-09-15
[86] 2022-04-01 (PCT/US2022/023176)
[87] (WO2022/212927)
[30] US (63/170,170) 2021-04-02

[11] **3,216,148**
[13] C
[51] **Int.Cl. G01M 17/08 (2006.01)**
[25] EN
[54] **DETECTION SYSTEM FOR SUSPENSION SYSTEM OF MAGLEV TRAIN**
[54] **SYSTEME DE DETECTION POUR SYSTEME DE SUSPENSION DE TRAIN A SUSTENTATION MAGNETIQUE**
[72] WU, DONGHUA, CN
[72] MIAO, XIN, CN
[72] LI, YANMIN, CN
[72] JIANG, SHOULIANG, CN
[72] CHEN, JIAN, CN
[72] HAN, JIYU, CN
[73] CRRC QINGDAO SIFANG CO., LTD., CN
[85] 2023-10-19
[86] 2022-04-27 (PCT/CN2022/089500)
[87] (WO2022/228453)
[30] CN (202110486046.9) 2021-04-30

[11] **3,219,574**
[13] C
[51] **Int.Cl. G02C 7/06 (2006.01) G02C 7/08 (2006.01)**
[25] EN
[54] **SPECTACLE LENS AND FRAME GLASSES**
[54] **LENTILLE DE LUNETTES ET MONTURE DE LUNETTES**
[72] XIA, RISHENG, CN
[72] LI, YIYU, CN
[72] CHEN, HAO, CN
[72] QU, JIA, CN
[73] SHANGHAI ISPARX MEDICAL CO., LTD, CN
[85] 2023-11-17
[86] 2022-01-19 (PCT/CN2022/072734)
[87] (WO2023/065556)
[30] CN (202111230721.8) 2021-10-22

[11] **3,225,099**
[13] C
[51] **Int.Cl. G06F 21/31 (2013.01) H04L 9/32 (2006.01)**
[25] EN
[54] **STRONG AUTHENTICATION USING A FEEDER ROBOT IN A FEDERATED IDENTITY WEB ENVIRONMENT**
[54] **AUTHENTIFICATION ROBUSTE AU MOYEN D'UN ROBOT D'ALIMENTATION DANS UN ENVIRONNEMENT WEB D'IDENTITE FEDEREE**
[72] TANG, ZILONG, US
[73] DRFIRST.COM, INC., US
[86] (3225099)
[87] (3225099)
[22] 2016-09-09
[62] 2,941,615
[30] US (14/851,708) 2015-09-11

[11] **3,226,608**
[13] C
[51] **Int.Cl. C10G 67/04 (2006.01) C10G 47/06 (2006.01)**
[25] EN
[54] **EFFICIENT HYDROPROCESSING AND SOLVENT DEASPHALTING OF HEAVY OIL WITH SEQUENTIAL ADDITION OF DISPERSED CATALYST**
[54] **HYDROTRAITEMENT ET DESASPHALTAGE AU SOLVANT EFFICACE D'HUILE LOURDE AVEC AJOUT SEQUENTIEL DE CATALYSEUR DISPERSE**
[72] MOUNTAINLAND, DAVID, US
[72] SILVERMAN, BRETT, US
[73] HYDROCARBON TECHNOLOGY & INNOVATION, LLC, US
[85] 2024-01-22
[86] 2022-07-20 (PCT/US2022/037671)
[87] (WO2023/022833)
[30] US (63/233,882) 2021-08-17
[30] US (17/864,200) 2022-07-13

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[13] C
[51] **Int.Cl. B65D 5/28 (2006.01) B65D 5/54 (2006.01) B65D 5/66 (2006.01) B65D 5/00 (2006.01) B65D 5/42 (2006.01) B65D 5/64 (2006.01) B65D 17/28 (2006.01)**
[25] EN
[54] **CARTON WITH INTEGRAL COVER CLOSURE SYSTEM**
[54] **CARTON DOTE D'UN SYSTEME DE FERMETURE DE COUVERCLE INTEGRE**
[72] KANDOTH, NICOLE, US
[72] KIM, DANIEL TAEK, US
[73] BLUE BUFFALO ENTERPRISES, INC., US
[85] 2024-02-29
[86] 2022-08-09 (PCT/US2022/039778)
[87] (WO2023/033996)
[30] US (63/239,568) 2021-09-01

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[13] C
[51] **Int.Cl. C08B 37/16 (2006.01) C30B 29/58 (2006.01) A61K 31/724 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORM TYPE 5 OF SUGAMMADEX**
[54] **FORME CRISTALLINE DE TYPE 5 DE SUGAMMADEX**
[72] LAMBERTO, DAVID J., US
[72] AVALLE, PAOLO, CH
[72] CODAN, LORENZO, CH
[72] LARPENT, PATRICK, CH
[72] SCHOELL, JOCHEN, CH
[72] NEUHAUS, JEFFREY S., US
[73] MERCK SHARP & DOHME LLC, US
[73] WERTHENSTEIN BIOPHARMA GMBH, CH
[86] (3233270)
[87] (3233270)
[22] 2021-09-08
[62] 3,192,113
[30] US (63/076,133) 2020-09-09

Canadian Applications Open to Public Inspection

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[51] **Int.Cl. F02C 7/00 (2006.01) B64F 5/00 (2017.01)**
[25] EN
[54] **PROTECTIVE COVER FOR AIRCRAFT ENGINES**
[54] **COUVERCLE DE PROTECTION POUR MOTEURS D~AERONEF**
[72] LABAS, ROBERT GEORGE, CA
[71] PROTECH ENGINE SOLUTIONS, CA
[22] 2022-12-12
[41] 2024-06-12
[30] US (18/064,727) 2022-12-12

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[13] A1
[51] **Int.Cl. B65G 67/24 (2006.01) B02C 23/02 (2006.01) B65G 15/00 (2006.01) B65G 17/06 (2006.01) E21C 47/00 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND MEDIA FOR CONTROLLING APRON FEEDER**
[54] **SYSTEMES, METHODES ET SUPPORT POUR CONTROLER UN DISTRIBUTEUR A PALETTES METALLIQUES**
[72] PENNER, WILLIAM JAE, CA
[72] HENZE, JOSHUA, CA
[72] KORUM, STEVEN, CA
[72] BARNARD, ZAINE, CA
[72] SHARMA, SAMEER, CA
[71] FORT HILLS ENERGY L.P., CA
[22] 2022-12-09
[41] 2024-06-09

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[21] **3,183,928**
[13] A1
[51] **Int.Cl. B65D 30/02 (2006.01) B31B 70/00 (2017.01) B31B 70/62 (2017.01) B65D 30/10 (2006.01) B65D 30/18 (2006.01) B65D 65/46 (2006.01)**
[25] EN
[54] **A KRAFT PAPER BAG SQUARE BOTTOM SEALABLE FOOD WASTE COMPOSTABLE AND 100% BIODEGRADABLE MATERIAL PAPER BAG AND METHOD FOR MANUFACTURING SAME**
[54] **SAC EN PAPIER KRAFT CARRE A FOND SCELLE POUR DECHETS ALIMENTAIRES COMPOSTABLE ET FAIT DE MATERIAU 100 % BIODEGRADABLE, ET METHODE DE FABRICATION**
[72] ZHENG, YUNTAO, CA
[71] ZHENG, YUNTAO, CA
[22] 2022-12-12
[41] 2024-06-12

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[21] **3,183,932**
[13] A1
[51] **Int.Cl. H04L 9/40 (2022.01)**
[25] EN
[54] **THREAT DETECTION AND MITIGATION IN A NETWORKED ENVIRONMENT**
[54] **DETECTION ET ATTENUATION DE MENACE DANS UN ENVIRONNEMENT EN RESEAU**
[72] DZEPAROSKA, KRISTINA, CA
[72] CLARK, RACHEL L., CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2022-12-13
[41] 2024-06-12
[30] US (18/079,733) 2022-12-12

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[13] A1
[51] **Int.Cl. F16M 13/00 (2006.01) A45F 5/00 (2006.01)**
[25] EN
[54] **MOBILE PHONE SUPPORT CONVENIENT FOR ADJUSTING VIEWING ANGLE DISTANCE**
[54] **SUPPORT DE TELEPHONE MOBILE PRATIQUE POUR AJUSTER LA DISTANCE D~UN ANGLE DE PRISE DE VUE**
[72] JI, SIYU, CN
[71] JI, SIYU, CN
[22] 2022-12-12
[41] 2024-06-12

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[21] **3,184,003**
[13] A1
[51] **Int.Cl. A61F 5/03 (2006.01) A61F 5/37 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR SUPPORTING AND DISTRIBUTING WEIGHT OF THE ABDOMEN OF A PERSON**
[54] **DISPOSITIF ET METHODE DE SUPPORT ET DE DISTRIBUTION DU POIDS DE L~ABDOMEN D~UNE PERSONNE**
[72] MADELSKA, SLAWA HELENA, PL
[72] CIANCIARA, MATYLDA TERESA, PL
[72] DRAUS, WERONIKA JULIA, PL
[72] PRZYBYLSKA, KAMILA OLGA, PL
[71] HUGUP SP. ZOO, PL
[22] 2022-12-13
[41] 2024-06-13

[21] **3,184,019**
[13] A1
[51] **Int.Cl. H02S 20/20 (2014.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SOLAR POWER AND VOLTAGE DENSITY**
[54] **SYSTEMES ET METHODES RELATIVES A L~ENERGIE SOLAIRE ET LA DENSITE DE TENSION**
[72] MILOJKOVIC, ALEKSANDAR, CA
[71] MILOJKOVIC, ALEKSANDAR, CA
[22] 2022-12-14
[41] 2024-06-14

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[21] **3,184,288**
[13] A1
[51] **Int.Cl. A45D 8/00 (2006.01)**
[25] EN
[54] **HAIR EXTENSION HOLDING APPARATUS**
[54] **APPAREIL DE RETENUE DE RALLONGES POUR CHEVEUX**
[72] ALI, AFTAB, CA
[71] ALI, AFTAB, CA
[22] 2022-12-14
[41] 2024-06-09
[30] US (18/063,707) 2022-12-09

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[21] **3,184,296**
[13] A1
[51] **Int.Cl. A01K 85/00 (2006.01)**
[25] EN
[54] **FISHING LURE**
[54] **APPAT DE PECHE**
[72] NEMIRSKY, STEPHEN, CA
[71] NEMIRSKY, STEPHEN, CA
[22] 2022-12-14
[41] 2024-06-13
[30] US (18/065,332) 2022-12-13

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[21] **3,184,322**
[13] A1
[51] **Int.Cl. B26B 21/40 (2006.01)**
[25] EN
[54] **RAZOR CLEANING APPARATUS**
[54] **APPAREIL DE NETTOYAGE DE RASOIR**
[72] HUT, JEFF, CA
[71] HUT, JEFF, CA
[22] 2022-12-14
[41] 2024-06-12
[30] US (18/064,486) 2022-12-12

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[21] **3,184,659**
[13] A1
[51] **Int.Cl. H04B 1/04 (2006.01) H03H 7/46 (2006.01) H03J 1/04 (2006.01) H03J 1/06 (2006.01) H03J 3/28 (2006.01) H03J 7/18 (2006.01)**
[25] EN
[54] **SELF-TUNING RESONANT CAVITY RF TRANSMITTER COMBINER WITH EXTENEDED TUNING FREQUENCY RANGE**
[54] **MELANGEUR D~EMETTEURS TF A CAVITE RESONANTE AUTORACCORDABLE A GAMME DE FREQUENCES D~ACCORD ETENDUE**
[72] MACKI, MICHAEL, CA
[71] NORSAT INTERNATIONAL INC., CA
[22] 2022-12-11
[41] 2024-06-11

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[21] **3,184,829**
[13] A1
[51] **Int.Cl. A63B 21/00 (2006.01)**
[25] EN
[54] **TRIO FUNCTIONAL TRAINER**
[54] **MACHINE D~ENTRAINEMENT FONCTIONNELLE TRIPLE (TRIO FUNCTIONAL TRAINER)**
[72] KELLY, FRANCIS NOBLE, CA
[71] KELLY, FRANCIS NOBLE, CA
[22] 2022-12-10
[41] 2024-06-10

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[21] **3,184,846**
[13] A1
[51] **Int.Cl. H04L 67/2866 (2022.01) H04W 84/06 (2009.01) H04L 67/52 (2022.01) H04B 7/185 (2006.01)**
[25] EN
[54] **A NEW METHOD TO DELIVER HIGH-SPEED INTERNET TO USERS IN RURAL AREAS**
[54] **NOUVELLE METHODE DE DISTRIBUTION D'INTERNET HAUTE VITESSE A DES UTILISATEURS EN ZONES RURALES**
[72] ELMORE, ELIYAH OMAR, CA
[71] ELMORE, ELIYAH OMAR, CA
[22] 2022-12-10
[41] 2024-06-10

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[21] **3,184,961**
[13] A1
[51] **Int.Cl. H04L 67/1008 (2022.01)**
[25] EN
[54] **APPLICATION-LAYER LOAD BALANCING AND HIGH AVAILABILITY VIA LACP BONDING IN A NETWORK**
[54] **EQUILIBRAGE DES CHARGES DE COUCHE D~APPLICATION ET GRANDE DISPONIBILITE AU MOYEN D~UNE LIAISON PAR PROTOCOLE LACP DANS UN RESEAU**
[72] CUDBARD-BELL, AARAN, CA
[72] DEKOK, ALAN, CA
[71] 12952386 CANADA INC., CA
[22] 2022-12-09
[41] 2024-06-09

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[21] **3,185,203**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/01 (2006.01) A61B 5/02 (2006.01) A61B 5/08 (2006.01) A61B 5/11 (2006.01)**
[25] EN
[54] **HEALTH EXAMINATION AND SHAPE EVALUATION OF THE HUMAN BODY THROUGH AI-BASED DATA FUSION FROM THE BODY COMPOSITION ANALYSIS AND 3D MODELING**
[54] **EXAMEN DE SANTE ET EVALUATION DE LA FORME DU CORPS HUMAIN AU MOYEN DE LA FUSION DE DONNEES A BASE D~INTELLIGENCE ARTIFICIELLE, A PARTIR DE L~ANALYSE DE LA COMPOSITION DU CORPS ET DE LA MODELISATION 3D**
[72] OGHBAEI, MORTEZA, CA
[71] PROBODYX INC., CA
[22] 2022-12-13
[41] 2024-06-13

[21] **3,185,266**
[13] A1
[51] **Int.Cl. G09B 23/32 (2006.01)**
[25] EN
[54] **BIOFIDELIC INSTRUMENTED LUMBAR SPINE**
[54] **RACHIS LOMBAIRE INSTRUMENTE BIOFIDELE**
[72] DUROCHER, ROBERT, XX
[72] MENARD, GEORGES, XX
[71] HIS MAJESTY THE KING IN RIGHT OF CANADA, AS REPRESENTED BY THE MINISTER OF NATIONAL DEFENCE, CA
[22] 2022-12-12
[41] 2024-06-12

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[21] **3,187,983**
[13] A1
[51] **Int.Cl. B21D 19/00 (2006.01) B23K 37/00 (2006.01)**
[25] EN
[54] **ASSEMBLY AND METHOD FOR PREPARING A PIPE ELBOW FOR WELDING**
[54] **ASSEMBLAGE ET METHODE POUR PREPARER UN COUDE DE TUYAU AUX FINS DE SOUDAGE**
[72] NGUYEN, TOAN T., US
[72] CHERKEWICK, JARET, CA
[71] NGUYEN, TOAN T., US
[71] CHERKEWICK, JARET, CA
[22] 2023-01-27
[41] 2024-06-13
[30] US (18/064,957) 2022-12-13

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[21] **3,188,179**
[13] A1
[51] **Int.Cl. G06Q 10/10 (2023.01) G06F 16/903 (2019.01) G06F 16/906 (2019.01) G06F 16/95 (2019.01) G06F 40/30 (2020.01)**
[25] EN
[54] **AUTOMATIC COLLECTION AND PROCESSING OF ENTITY INFORMATION**
[54] **COLLECTE AUTOMATIQUE ET TRAITEMENT DES RENSEIGNEMENTS SUR L~ENTITE**
[72] KARL, MOSHE, CA
[72] AGIV, NIR, CA
[72] SHAY, DAVID ALLIE, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2023-02-01
[41] 2024-06-15
[30] US (18/082,465) 2022-12-15

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[21] **3,189,584**
[13] A1
[51] **Int.Cl. G07F 19/00 (2006.01) G06F 3/0481 (2022.01) G06N 20/00 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PRESENTING AN ARTIFICIAL INTELLIGENCE-BASED AUTOMATED TELLER MACHINE SESSION**
[54] **SYSTEME ET METHODE POUR PRESENTER UNE SESSION DE GUICHET AUTOMATIQUE A BASE D~INTELLIGENCE ARTIFICIELLE**
[72] PRATTEN, A. WARREN, CA
[72] RODZEN, TRISTAN, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2023-02-06
[41] 2024-06-13
[30] US (18/079,940) 2022-12-13

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[21] **3,198,183**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61N 1/00 (2006.01)**
[25] EN
[54] **ELECTRO-ANATOMIC REPOLARIZATION MAPPING**
[54] **MAPPAGE DE REPOLARISATION ELECTROANATOMIQUE**
[72] NANTHAKUMAR, KUMARASWAMY, CA
[72] MASSE, STEPHANE, CA
[72] ASTA, JOHN, CA
[71] UNIVERSITY HEALTH NETWORK, CA
[22] 2023-04-28
[41] 2024-06-15
[30] US (63/432993) 2022-12-15

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[21] **3,199,807**
[13] A1
[51] **Int.Cl. A61K 47/24 (2006.01) A61K 9/00 (2006.01) A61K 9/51 (2006.01) A61P 21/00 (2006.01) A61P 35/00 (2006.01) A61K 31/7088 (2006.01) A61K 49/00 (2006.01)**
[25] EN
[54] **LIPID-BASED TOPICAL INJECTION FORMULATIONS**
[54] **FORMULATIONS D~INJECTION TOPIQUES A BASE DE LIPIDE**
[72] YANG, LIU, CN
[72] LANG, JIAYAN, CN
[72] ZHANG, LIN, CN
[72] JIANG, TIAN, CN
[72] WANG, XUHUI, CN
[72] LEI, JIANI, CN
[72] LUI, ANDONG, CN
[72] LAI, CAIDA, CN
[72] WANG, WENSHOU, CN
[71] BEIJING JITAI PHARMACEUTICAL TECHNOLOGY CO., LTD., CN
[71] HANGZHOU JITAI PHARMACEUTICAL TECHNOLOGY CO., LTD., CN
[22] 2023-05-18
[41] 2024-06-14
[30] CN (202211599668.3) 2022-12-14
[30] CN (202310098259.3) 2023-01-20

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[21] **3,201,512**
[13] A1
[51] **Int.Cl. A61K 31/445 (2006.01) A61P 3/00 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **METHODS OF IMPROVING THE PHARMACOKINETICS OF MIGALASTAT**
[54] **METHODES D~AMELIORATION DE LA PHARMACOCINETIQUE DU MIGALASTAT**
[72] JOHNSON, FRANKLIN, US
[71] AMICUS THERAPEUTICS, INC., US
[22] 2023-05-31
[41] 2024-06-13
[30] US (63/432,235) 2022-12-13
[30] US (18/315,928) 2023-05-11

[21] **3,204,200**
[13] A1
[51] **Int.Cl. H04L 9/40 (2022.01) H04L 9/28 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR BLOCKING DECRYPTION CAPABILITIES IN SYMMETRIC KEY ENCRYPTION**
[54] **SYSTEMES ET METHODES POUR BLOQUER LES CAPACITES DE DECHIFFREMENT DANS LE CHIFFREMENT A CLE SYMETRIQUE**
[72] VALD, MARGARITA, US
[72] ZARUBINKSY, JULIA, US
[72] SHEFFER, YARON, US
[72] BANSHATS, SERGEY, US
[71] INTUIT INC., US
[22] 2023-06-21
[41] 2024-06-15
[30] US (18/066,868) 2022-12-15

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[21] **3,205,299**
[13] A1
[51] **Int.Cl. E04F 17/04 (2006.01) F16L 55/24 (2006.01) F24F 13/08 (2006.01) F24F 13/20 (2006.01)**
[25] EN
[54] **VENT FOR AIR CONDITIONING UNIT**
[54] **EVENT DE CONDITIONNEUR D'AIR**
[72] SCHULZ, STEVE, CA
[72] SEM, CHUON, CA
[71] MENZIES ROOFING CORPORATION, CA
[22] 2023-06-30
[41] 2024-06-14
[30] US (63/432673) 2022-12-14

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[21] **3,209,405**
[13] A1
[51] **Int.Cl. B07C 5/34 (2006.01) B07B 1/14 (2006.01) B07B 13/04 (2006.01) B07B 13/065 (2006.01) B07B 13/10 (2006.01) B07C 5/04 (2006.01)**
[25] EN
[54] **AUTONOMOUS DATA COLLECTION AND SYSTEM CONTROL FOR MATERIAL RECOVERY FACILITIES**
[54] **COLLECTE DE DONNEES ET COMMANDE DE SYSTEME AUTONOMES POUR DES INSTALLATIONS DE RECUPERATION DE MATERIAUX**
[72] PARR, CHRISTOPHER, US
[72] BROOKS, THOMAS, US
[72] COLE, JAMES, US
[71] EMERGING ACQUISITIONS, LLC, US
[22] 2023-08-14
[41] 2024-06-15
[30] US (18/082,358) 2022-12-15

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[21] **3,210,139**
[13] A1
[51] **Int.Cl. E03D 13/00 (2006.01) A47K 11/12 (2006.01)**
[25] EN
[54] **WATER DISPENSING UNISEX URINAL FUNNEL FOR A TOILET AND METHOD THEREFOR**
[54] **ENTONNOIR D~URINOIR UNISEXE A DISTRIBUTION D~EAU POUR UNE TOILETTE ET METHODE CONNEXE**
[72] OBEMEASOR, DONALD OSIGBEME, US
[71] OBEMEASOR, DONALD OSIGBEME, US
[22] 2023-08-24
[41] 2024-06-09
[30] US (63/475,770) 2022-12-09
[30] US (18/224,436) 2023-07-20
[30] US (PCT/US2023/28983) 2023-07-29

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[21] **3,210,226**
[13] A1
[51] **Int.Cl. A01K 47/02 (2006.01)**
[25] EN
[54] **HIVE STRUCTURE WITH FEATURE FACILITATING PROPOLIS ACCUMULATION**
[54] **STRUCTURE DE RUCHE POSSEDANT UNE CARACTERISTIQUE FACILITANT L~ACCUMULATION DE LA PROPOLIS**
[72] JOHNSON, JEFF, US
[71] JOHNSON, JEFF, US
[22] 2023-08-25
[41] 2024-06-12
[30] US (18/064,365) 2022-12-12
[30] US (18/214,666) 2023-06-27

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[21] **3,210,808**
[13] A1
[51] **Int.Cl. B62D 55/08 (2006.01) B60K 17/00 (2006.01) B62D 7/16 (2006.01) B62D 49/06 (2006.01)**
[25] EN
[54] **AN APPARATUS AND METHOD OF REMOVING A TRANSMISSION FROM AN ARTICULATED WORK VEHICLE**
[54] **APPAREIL ET METHODE POUR RETIRER UNE TRANSMISSION D~UN VEHICULE DE TRAVAIL ARTICULE**
[72] VERDUGHT, JARED E., US
[72] BOWMAN, DENNIS A., US
[72] FOXEN, JACOB J., US
[72] BENDER, JADE E., US
[72] PEDERSOEN, JASON L., US
[72] SCHMITZ, KURT M., US
[71] DEERE & COMPANY, US
[22] 2023-08-31
[41] 2024-06-15
[30] US (18/066,435) 2022-12-15

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[21] **3,212,364**
[13] A1
[51] **Int.Cl. F02K 1/76 (2006.01) B64D 33/00 (2006.01)**
[25] EN
[54] **REVERSE THRUST SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE D~INVERSION DE POUSSEE**
[72] KRZYWON, JAGODA, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-09-13
[41] 2024-06-09
[30] US (18/063,814) 2022-12-09

[21] **3,213,643**
[13] A1
[51] **Int.Cl. F02C 5/02 (2006.01) F02B 41/00 (2006.01) F02B 43/04 (2006.01) F02C 7/00 (2006.01) F02K 3/08 (2006.01) F02M 31/04 (2006.01) F23R 7/00 (2006.01) B64D 37/00 (2006.01)**
[25] EN
[54] **AIRCRAFT POWER PLANT WITH DETONATION COMBUSTION TUBE**
[54] **GROUPE MOTOPROPULSEUR D~AERONEF COMPRENANT UN TUBE DE COMBUSTION PAR DETONATION**
[72] PLAMONDON, ETIENNE, CA
[72] BOUSQUET, MICHEL, CA
[72] NGUYEN, KEVIN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-09-21
[41] 2024-06-15
[30] US (18/066,302) 2022-12-15

[21] **3,213,722**
[13] A1
[51] **Int.Cl. G06Q 30/0601 (2023.01) G06Q 10/04 (2023.01) G06N 20/00 (2019.01)**
[25] EN
[54] **SELECTING PICKERS FOR SERVICE REQUESTS BASED ON OUTPUT OF COMPUTER MODEL TRAINED TO PREDICT ACCEPTANCES**
[54] **SELECTION DE RAMASSEURS POUR DES DEMANDES DE SERVICE FONDEE SUR LA SORTIE D~UN MODELE INFORMATIQUE ENTRAINE POUR PREDIRE LES ACCEPTATIONS**
[72] SELVAM, KRISHNA KUMAR, US
[72] SOBH, ALI SOLTANI, US
[72] RYAN, KEVIN CHARLES, US
[72] HOW, BING HONG LEONARD, US
[72] MAKHIJANI, RAHUL, US
[72] TADAYON, BITA, US
[71] MAPLEBEAR INC., US
[22] 2023-09-22
[41] 2024-06-12
[30] US (18/079,317) 2022-12-12

[21] **3,213,729**
[13] A1
[51] **Int.Cl. G06Q 30/0601 (2023.01) G06F 40/279 (2020.01) G06V 10/70 (2022.01)**
[25] EN
[54] **AUTOMATIC ROUTING OF USER INQUIRIES USING NATURAL LANGUAGE AND IMAGE RECOGNITION MODELS**
[54] **ACHEMINEMENT AUTOMATIQUE DES REQUETES D~UTILISATEUR AU MOYEN DU LANGAGE NATUREL ET DE MODELES DE RECONNAISSANCE D~IMAGE**
[72] MAHARAJ, SHAUN NAVIN, US
[72] SCHEIBELHUT, BRENT, US
[72] OBEREMK, MARK, US
[71] MAPLEBEAR INC., US
[22] 2023-09-22
[41] 2024-06-09
[30] US (18/064,129) 2022-12-09

[21] **3,214,470**
[13] A1
[51] **Int.Cl. B64C 13/28 (2006.01) B64C 9/32 (2006.01)**
[25] EN
[54] **BRAKING DEVICE**
[54] **DISPOSITIF DE FREINAGE**
[72] DAVIES, STEPHEN HARLOW, GB
[71] GOODRICH ACTUATION SYSTEMS LIMITED, GB
[22] 2023-09-27
[41] 2024-06-13
[30] EP (22213225.0) 2022-12-13

[21] **3,216,081**
[13] A1
[51] **Int.Cl. F41G 1/26 (2006.01) F41G 1/14 (2006.01) F41G 1/16 (2006.01) F41G 1/30 (2006.01)**
[25] EN
[54] **OPTICAL SIGHT MOUNTING SYSTEM**
[54] **SYSTEME DE MONTAGE DE LUNETTE DE TIR**
[72] ELPEDES, JERRY GLEN S., US
[72] BINDON, MATTHEW STEPHEN, US
[71] TRIJICON, INC., US
[22] 2023-10-11
[41] 2024-06-13
[30] US (18/080,522) 2022-12-13

[21] **3,218,642**
[13] A1
[51] **Int.Cl. B64D 29/06 (2006.01) B64C 1/14 (2006.01) F01D 25/28 (2006.01)**
[25] EN
[54] **WEAR RESISTANT SLEEVE FOR COMPOSITE CYLINDER**
[54] **MANCHON RESISTANT A L~USURE POUR UN CYLINDRE COMPOSITE**
[72] VENUGOPAL, SANJAY, IN
[72] TRIPATHI, AMIT KUMAR, IN
[72] KRISHNAPPA, RAJIV, IN
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2023-11-02
[41] 2024-06-12
[30] IN (202211071676) 2022-12-12

[21] **3,218,703**
[13] A1
[51] **Int.Cl. H02G 3/18 (2006.01) H02G 3/06 (2006.01) H02G 15/00 (2006.01)**
[25] EN
[54] **DETACHABLE SNAP-IN FITTING**
[54] **FIXATION A PRESSION DETACHABLE**
[72] BROUWER, SHAUN, US
[71] ALLIED TUBE & CONDUIT CORPORATION, US
[22] 2023-11-03
[41] 2024-06-13
[30] US (18/080,530) 2022-12-13

[21] **3,218,965**
[13] A1
[51] **Int.Cl. B65B 1/02 (2006.01) B65D 1/40 (2006.01) B65D 85/804 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR MANUFACTURING CONTAINERS ADAPTED TO CONTAIN A FOOD SUBSTANCE FOR THE PREPARATION OF BEVERAGES**
[54] **METHODE ET DISPOSITIF DE FABRICATION DE CONTENANTS ADAPTES POUR CONTENIR UNE SUBSTANCE ALIMENTAIRE POUR LA PREPARATION DE BREUVAGES**
[72] BINACCHI, FABIO, IT
[71] OPEM S.P.A., IT
[22] 2023-11-07
[41] 2024-06-13
[30] IT (102022000025479) 2022-12-13

[21] **3,219,168**
[13] A1
[51] **Int.Cl. G01N 33/50 (2006.01)**
[25] EN
[54] **TEST DEVICE**
[54] **DISPOSITIF DE MISE A L~ESSAI**
[72] WU, SHUJIANG, CN
[72] ZHAO, QIHUI, CN
[72] GENG, HUI, CN
[72] HONG, LIANG, CN
[71] HANGZHOU BIOTEST BIOTECH CO., LTD., CN
[22] 2023-11-07
[41] 2024-06-09
[30] CN (2022115856048) 2022-12-09
[30] GB (2300079.7) 2023-01-04
[30] US (63/435,655) 2022-12-28

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[21] **3,220,250**
[13] A1
[51] **Int.Cl. B64D 29/00 (2006.01) B64C 7/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR COVERING AN AIRCRAFT ENGINE**
[54] **METHODE ET APPAREIL POUR COUVRIR UN MOTEUR D~AERONEF**
[72] SPILCHUK, JAMIE DANIEL, CA
[71] AVISHIELD SYSTEMS LTD., CA
[22] 2023-11-15
[41] 2024-06-14
[30] US (63/432,659) 2022-12-14

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[21] **3,220,644**
[13] A1
[51] **Int.Cl. B64D 41/00 (2006.01) B64D 25/00 (2006.01) B64D 27/35 (2024.01)**
[25] EN
[54] **AUXILIARY POWER SYSTEM**
[54] **SYSTEME D~ALIMENTATION AUXILIAIRE**
[72] DAVID, BENJAMIN, ES
[72] CHIABRANDO, MARCOS JAVIER, ES
[72] ZAMARRO MARTIN, MARIA CRUZ, ES
[72] ANDREU FERNANDEZ, FRANCISCO MANUEL, ES
[72] CASADO MONTERO, CARLOS, ES
[71] AIRBUS OPERATIONS, S.L.U., ES
[22] 2023-11-22
[41] 2024-06-13
[30] EP (22383210.6) 2022-12-13

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[21] **3,220,668**
[13] A1
[51] **Int.Cl. E06B 1/56 (2006.01) E06B 1/02 (2006.01)**
[25] EN
[54] **SHIMMING CONCEPTS FOR FENESTRATION UNITS**
[54] **NOTIONS DE NIVELLEMENT POUR UNITES DE FENESTRATION**
[72] HANSEN, TED L., US
[72] BERNHAGEN, TODD A., US
[71] PELLA CORPORATION, US
[22] 2023-11-22
[41] 2024-06-14
[30] US (63/432,497) 2022-12-14

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[13] A1
[51] **Int.Cl. A01K 1/01 (2006.01) A01C 3/04 (2006.01)**
[25] EN
[54] **MANURE COLLECTING VEHICLE**
[54] **VEHICULE DE COLLECTE DE FUMIER**
[72] NUHN, IAN, CA
[71] NUHN INDUSTRIES LTD., CA
[22] 2023-11-24
[41] 2024-06-09
[30] US (63/431,357) 2022-12-09

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[21] **3,221,088**
[13] A1
[51] **Int.Cl. A44C 27/00 (2006.01) A44C 5/00 (2006.01) A63H 33/00 (2006.01) B25H 1/10 (2006.01)**
[25] EN
[54] **KIT OF PARTS INCLUDING ELASTIC RING-BASED ORNAMENT MAKING DEVICE, ELASTIC RING, AND PLURALITY OF ORNAMENTAL MEMBERS**
[54] **TROUSSE DE PIECES COMPRENANT UN DISPOSITIF DE FABRICATION DE DECORATION A BASE D~ANNEAU ELASTIQUE, ANNEAU ELASTIQUE ET PLURALITE D~ELEMENTS DECORATIFS**
[72] JAMESON, MOLLIE B., CA
[72] BROWNING, GRAHAM D., CA
[72] PEAT, EMMA, CA
[72] LENTINI, MATTHEW, CA
[72] MURAKAMI, SEIJI, CA
[71] SPIN MASTER LTD., CA
[22] 2023-11-23
[41] 2024-06-15
[30] US (18/082372) 2022-12-15

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[21] **3,221,275**
[13] A1
[51] **Int.Cl. G01S 15/89 (2006.01) G01S 7/521 (2006.01) G01S 15/96 (2006.01)**
[25] EN
[54] **BEAMFORMING SONAR SYSTEMS FOR SIDE LIVE SONAR, AND ASSOCIATED METHODS**
[54] **SYSTEMES SONAR FORMANT DES FAISCEAUX POUR UN SONAR LATERAL EN DIRECT ET METHODES CONNEXES**
[72] PROCTOR, ALAN LEE, US
[72] CLARK, JEREMIAH D., US
[72] PENDERGRAFT, DUSTYN P., US
[71] NAVICO, INC., US
[22] 2023-11-28
[41] 2024-06-14
[30] US (18/065,774) 2022-12-14

[21] **3,221,572**
[13] A1
[51] **Int.Cl. G01R 31/00 (2006.01)**
[25] EN
[54] **INVERTER DIAGNOSTIC TESTING METHODS AND APPARATUS**
[54] **METHODES ET APPAREIL D~ESSAI POUR PRODUIRE UN DIAGNOSTIC POUR UN ONDULEUR**
[72] SIMMS, STAN REX, US
[72] GIBBS, IRVING A., US
[72] BRAGA, GABRIEL, BR
[72] FARR, THOMAS A., US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2023-11-30
[41] 2024-06-12
[30] US (18/064,413) 2022-12-12

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[21] **3,221,641**
[13] A1
[51] **Int.Cl. H04N 23/60 (2023.01) H04N 23/67 (2023.01) A01B 69/00 (2006.01)**
[25] EN
[54] **ADJUSTABLE MOUNT FOR IMPLEMENT CAMERA**
[54] **SUPPORT AJUSTABLE POUR UNE CAMERA D~APPAREIL**
[72] BOSSAER, AUSTIN, US
[72] HUNDT, KARL, US
[72] MONHOLLEN, NOLAN, US
[71] MACDON INDUSTRIES LTD., CA
[22] 2023-12-01
[41] 2024-06-15
[30] US (18/081.807) 2022-12-15

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[21] **3,221,649**
[13] A1
[51] **Int.Cl. G03B 42/02 (2021.01) A61B 50/20 (2016.01) A44B 15/00 (2006.01) A45F 5/00 (2006.01) G01T 7/00 (2006.01) A61B 6/00 (2024.01)**
[25] EN
[54] **HOLDER FOR X-RAY MARKERS**
[54] **SUPPORT POUR MARQUEURS DE RAYONS X**
[72] WANIE, KYLE A., US
[72] WANIE, ANDREW J., US
[71] AJ1E SUPERIOR SOLUTIONS LLC, US
[22] 2023-12-01
[41] 2024-06-12
[30] US (18/140,888) 2023-04-28
[30] US (63/431,938) 2022-12-12

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[21] **3,221,820**
[13] A1
[51] **Int.Cl. F03B 3/00 (2006.01) E02B 9/00 (2006.01) H02K 7/18 (2006.01) H02K 53/00 (2006.01)**
[25] EN
[54] **SEESAW-TYPE HYDROELECTRIC POWER GENERATION DEVICE**
[54] **DISPOSITIF DE GENERATION DE PUISSANCE HYDROELECTRIQUE DE TYPE A BASCULE**
[72] CHEN, SHIH-HSIUNG, TW
[71] CHEN, SHIH-HSIUNG, TW
[22] 2023-12-04
[41] 2024-06-14
[30] TW (111147962) 2022-12-14

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[21] **3,221,844**
[13] A1
[25] EN
[54] **OBJECT DETECTION DEVICE**
[54] **DISPOSITIF DE DETECTION D~OBJET**
[72] OKAYAMA, KEN, JP
[71] KABUSHIKI KAISHA TOYOTA JIDOSHOKKI, JP
[22] 2023-12-04
[41] 2024-06-09
[30] JP (2022-197142) 2022-12-09

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[21] **3,221,847**
[13] A1
[51] **Int.Cl. C25D 1/04 (2006.01) C23C 22/00 (2006.01) C25D 1/20 (2006.01) C25D 3/38 (2006.01) C25D 5/04 (2006.01) C23F 17/00 (2006.01) H01M 4/66 (2006.01)**
[25] EN
[54] **COPPER FOIL WITH HIGH STRENGTH AND HIGH ELONGATION, ELECTRODE COMPRISING THE SAME, SECONDARY BATTERY COMPRISING THE SAME, AND METHOD FOR MANUFACTURING THE SAME**
[54] **FEUILLE DE CUIVRE TRES RESISTANTE ET TRES ALLONGEE, ELECTRODE LA COMPRENANT, BATTERIE SECONDAIRE LA COMPRENANT ET METHODE DE FABRICATION**
[72] JIN, SHAN HUA, KR
[72] YOON, MIN SEOK, KR
[71] SK NEXILIS CO., LTD., KR
[22] 2023-12-04
[41] 2024-06-13
[30] KR (10-2022-0173774) 2022-12-13
[30] KR (10-2023-0132906) 2023-10-05

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[21] **3,221,849**
[13] A1
[51] **Int.Cl. C25D 1/04 (2006.01) C25D 3/38 (2006.01) C25D 5/04 (2006.01) H01M 4/66 (2006.01) H01M 4/75 (2006.01)**
[25] EN
[54] **COPPER FOIL CAPABLE OF PREVENTING DEFECTS OF TEAR OR WRINKLE THEREOF, ELECTRODE COMPRISING THE SAME, SECONDARY BATTERY COMPRISING THE SAME, AND METHOD FOR MANUFACTURING THE SAME**
[54] **FEUILLE DE CUIVRE CAPABLE DE PREVENIR LES DEFAUTS DE RUPTURE OU DE PLI, ELECTRODE LA COMPRENANT, BATTERIE SECONDAIRE LES COMPRENANT ET METHODE DE FABRICATION CONNEXE**
[72] JIN, SHAN HUA, KR
[72] YOON, MIN SEOK, KR
[71] SK NEXILIS CO., LTD., KR
[22] 2023-12-04
[41] 2024-06-14
[30] KR (10-2022-0174874) 2022-12-14
[30] KR (10-2023-0132910) 2023-10-05

[21] **3,221,852**
[13] A1
[51] **Int.Cl. B64D 15/04 (2006.01) B64D 33/02 (2006.01) F02C 7/047 (2006.01)**
[25] EN
[54] **AIRCRAFT THERMAL ANTI-ICING SYSTEM**
[54] **SYSTEME ANTIGIVRAGE THERMIQUE POUR AERONEF**
[72] BELLEVILLE, FRANCOIS, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-12-04
[41] 2024-06-13
[30] US (18/080,514) 2022-12-13

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[21] **3,221,933**
[13] A1
[51] **Int.Cl. B60L 1/00 (2006.01) B60L 58/00 (2019.01) B60W 10/24 (2006.01)**
[25] EN
[54] **ELECTRONIC SYSTEMS FOR ELECTRIC VEHICLES AND RELATED METHODS**
[54] **SYSTEMES ELECTRONIQUES POUR DES VEHICULES ELECTRIQUES ET METHODES CONNEXES**
[72] ABSAR, SAIF AZIZ, CA
[71] TAIGA MOTORS INC., CA
[22] 2023-12-04
[41] 2024-06-12
[30] US (63/431,817) 2022-12-12

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[21] **3,221,976**
[13] A1
[51] **Int.Cl. H01B 13/00 (2006.01) H01B 7/14 (2006.01) H01B 13/22 (2006.01)**
[25] EN
[54] **A METHOD OF MANUFACTURING A SUBMARINE POWER CABLE**
[54] **METHODE DE FABRICATION D~UN CABLE D~ALIMENTATION SOUS-MARIN**
[72] LANGSTROM, SONNY, SE
[71] NKT HV CABLES AB, SE
[22] 2023-12-06
[41] 2024-06-13
[30] EP (22213133.6) 2022-12-13

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[21] **3,222,070**
[13] A1
[51] **Int.Cl. E21B 43/24 (2006.01) F01K 13/00 (2006.01) F01K 17/02 (2006.01) F01K 23/10 (2006.01) F02C 3/34 (2006.01)**
[25] EN
[54] **MODIFIED ALLAM CYCLE SYSTEM AND METHOD FOR HYDROCARBON RECOVERY STEAM GENERATION**
[54] **SYSTEME DE CYCLE D~ALLAM MODIFIE ET METHODE POUR LA GENERATION DE VAPEUR POUR LA RECUPERATION D~HYDROCARBURES**
[72] FERNER, PETER ANTHONY, CA
[71] CENOVUS ENERGY INC., CA
[22] 2023-12-05
[41] 2024-06-14
[30] US (63/432,439) 2022-12-14

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[21] **3,222,098**
[13] A1
[51] **Int.Cl. A61B 17/88 (2006.01) A61F 2/46 (2006.01)**
[25] EN
[54] **DEVICE FOR MIXING BONE CEMENT**
[54] **DISPOSITIF DE MELANGE DE CIMENT ACRYLIQUE**
[72] VOGT, SEBASTIAN, DE
[72] KLUGE, THOMAS, DE
[71] HERAEUS MEDICAL GMBH, DE
[22] 2023-12-06
[41] 2024-06-13
[30] EP (22213010.6) 2022-12-13

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[21] **3,222,213**
[13] A1
[51] **Int.Cl. C23C 18/16 (2006.01) F01D 5/28 (2006.01) F01D 9/02 (2006.01) F01D 25/24 (2006.01)**
[25] EN
[54] **ELECTROLESS DEPOSITED COATING WITH STIFFENERS**
[54] **REVETEMENT DEPOSE SANS ELECTROLYSE COMPRENANT DES RAIDISSEURS**
[72] LITALIEN, CHARLES, CA
[72] BARNETT, BARRY, CA
[72] NGUYEN, KEVIN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-12-06
[41] 2024-06-13
[30] US (18/080,506) 2022-12-13

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[21] **3,222,220**
[13] A1
[51] **Int.Cl. A61N 1/02 (2006.01) A61M 27/00 (2006.01)**
[25] EN
[54] **TUBELESS ENERGY DRAINAGE DEVICE FOR TRAUMA**
[54] **DISPOSITIF DE DRAINAGE ELECTRIQUE SANS TUBE POUR LES TRAUMATISMES**
[72] LONG, DAN, CN
[71] LONG, DAN, CN
[22] 2023-12-07
[41] 2024-06-13
[30] CN (202211596074.7) 2022-12-13

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[21] **3,222,261**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01N 63/22 (2020.01) A01H 1/02 (2006.01) A01H 1/04 (2006.01) A01H 1/08 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A01N 37/46 (2006.01) A01N 43/653 (2006.01) A01N 51/00 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **WHEAT VARIETY 6PNHF40B**
[54] **VARIETE DE BLE 6PNHF40B**
[72] LEMES DA SILVA, CRISTIANO, US
[72] LIVELY, KYLE JAY, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2023-12-07
[41] 2024-06-15
[30] US (18/066,323) 2022-12-15

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[21] **3,222,286**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23J 1/12 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **WHEAT VARIETY 6PVCB46B**
[54] **VARIETE DE BLE 6PVCB46B**
[72] LASKAR, WILLIAM JOSEPH, US
[72] LEMES DA SILVA, CRISTIANO, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2023-12-07
[41] 2024-06-15
[30] US (18/066,355) 2022-12-15

[21] **3,222,288**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23J 1/14 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **WHEAT VARIETY 6PPJQ62B**
[54] **VARIETE DE BLE 6PPJQ62B**
[72] LASKAR, WILLIAM JOSEPH, US
[72] LEMES DA SILVA, CRISTIANO, US
[72] LIVELY, KYLE JAY, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2023-12-07
[41] 2024-06-15
[30] US (18/066,443) 2022-12-15

[21] **3,222,292**
[13] A1
[51] **Int.Cl. H02J 3/06 (2006.01) H02B 1/015 (2006.01) H02B 1/20 (2006.01)**
[25] EN
[54] **POWER SUB-FEED DEVICE**
[54] **DISPOSITIF DE SOUS-ALIMENTATION D~ENERGIE**
[72] JIMENEZ GONZALEZ, SANDY OMAR, US
[72] APPAL, RAJESH KUMAR REDDY, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2023-12-07
[41] 2024-06-14
[30] US (18/081212) 2022-12-14

[21] **3,222,295**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01N 63/22 (2020.01) A01H 1/02 (2006.01) A01H 1/04 (2006.01) A01H 1/08 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A01N 37/46 (2006.01) A01N 43/653 (2006.01) A01N 51/00 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **WHEAT VARIETY 6PSPJ45B**
[54] **VARIETE DE BLE 6PSPJ45B**
[72] LASKAR, WILLIAM JOSEPH, US
[72] LEMES DA SILVA, CRISTIANO, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2023-12-07
[41] 2024-06-15
[30] US (18/066,434) 2022-12-15

[21] **3,222,302**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01N 63/22 (2020.01) A01H 1/02 (2006.01) A01H 1/04 (2006.01) A01H 1/08 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A01N 37/46 (2006.01) A01N 43/653 (2006.01) A01N 51/00 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **WHEAT VARIETY 6PMZM22B**
[54] **VARIETE DE BLE 6PMZM22B**
[72] CABRAL, CANDIDA BRAGA, US
[72] LASKAR, WILLIAM JOSEPH, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2023-12-07
[41] 2024-06-15
[30] US (18/066,384) 2022-12-15

[21] **3,222,304**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01N 63/22 (2020.01) A01H 1/02 (2006.01) A01H 1/04 (2006.01) A01H 1/08 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A01N 37/46 (2006.01) A01N 43/653 (2006.01) A01N 51/00 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **WHEAT VARIETY 6PTLT42B**
[54] **VARIETE DE BLE 6PTLT42B**
[72] LASKAR, WILLIAM JOSEPH, US
[72] LEMES DA SILVA, CRISTIANO, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2023-12-07
[41] 2024-06-15
[30] US (18/066,341) 2022-12-15

[21] **3,222,328**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/09 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **WHEAT VARIETY 6PHAQ54B**
[54] **VARIETE DE BLE 6PHAQ54B**
[72] LASKAR, WILLIAM JOSEPH, US
[72] LEMES DA SILVA, CRISTIANO, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2023-12-07
[41] 2024-06-15
[30] US (18/066,325) 2022-12-15

[21] **3,222,337**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23J 1/12 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **WHEAT VARIETY 6PZJN13B**
[54] **VARIETE DE BLE 6PZJN13B**
[72] LASKAR, WILLIAM JOSEPH, US
[72] LEMES DA SILVA, CRISTIANO, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2023-12-07
[41] 2024-06-15
[30] US (18/066,331) 2022-12-15

[21] **3,222,340**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01N 63/22 (2020.01) A01H 1/02 (2006.01) A01H 1/04 (2006.01) A01H 1/08 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A01N 37/46 (2006.01) A01N 43/653 (2006.01) A01N 51/00 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **WHEAT VARIETY 6PBDH22B**
[54] **VARIETE DE BLE 6PBDH22B**
[72] LASKAR, WILLIAM JOSEPH, US
[72] LEMES DA SILVA, CRISTIANO, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2023-12-07
[41] 2024-06-15
[30] US (18/066,345) 2022-12-15

[21] **3,222,386**
[13] A1
[51] **Int.Cl. A01H 5/10 (2018.01) A01H 6/46 (2018.01) A01N 63/22 (2020.01) A01H 1/02 (2006.01) A01H 1/04 (2006.01) A01H 1/08 (2006.01) A01N 37/46 (2006.01) A01N 43/653 (2006.01) A01N 51/00 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **WHEAT VARIETY 6PVKS36B**
[54] **VARIETE DE BLE 6PVKS36B**
[72] LEMES DA SILVA, CRISTIANO, US
[72] LIVELY, KYLE JAY, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2023-12-07
[41] 2024-06-15
[30] US (18/066,348) 2022-12-15

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[21] **3,222,393**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01N 63/22 (2020.01) A01H 1/00 (2006.01) A01H 4/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A01N 37/46 (2006.01) A01N 43/653 (2006.01) A01N 51/00 (2006.01) A23J 1/12 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **WHEAT VARIETY 6PNEK06B**
[54] **VARIETE DE BLE 6PNEK06B**
[72] CABRAL, CANDIDA BRAGA, US
[72] LASKAR, WILLIAM JOSEPH, US
[72] LEMES DA SILVA, CRISTIANO, US
[72] LIVELY, KYLE JAY, US
[72] TRAGESSER, SAMUEL ABRAHAM, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2023-12-07
[41] 2024-06-15
[30] US (18/066,393) 2022-12-15

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[21] **3,222,416**
[13] A1
[51] **Int.Cl. B62B 17/02 (2006.01) B62B 13/18 (2006.01) B62D 55/00 (2006.01)**
[25] EN
[54] **UNIVERSAL WHEEL SYSTEM WITH ADAPTER PLATE**
[54] **SYSTEME DE ROUE UNIVERSELLE COMPRENANT UNE PLAQUE D'ADAPTATION**
[72] MARCHILDON, LOUIS-FREDERIC, CA
[72] L'HERAULT, PATRICK, CA
[71] KIMPEX INC., CA
[22] 2023-12-08
[41] 2024-06-09
[30] US (63/386.680) 2022-12-09

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[21] **3,222,418**
[13] A1
[51] **Int.Cl. E06B 3/26 (2006.01) E06B 3/08 (2006.01) E06B 3/96 (2006.01)**
[25] EN
[54] **HYBRID WINDOW FRAME ASSEMBLY WITH IMPROVED CORNER SEALS**
[54] **ASSEMBLAGE DE CADRE DE FENETRE A JOINTS DE COIN AMELIORES**
[72] DUCHESNEAU, KARL, CA
[72] BUSSIERE, GEOFFROY, CA
[72] MAJOR, LOUIS, CA
[72] GARCEAU, CLAUDE, CA
[71] FENPLAST INC., CA
[22] 2023-12-07
[41] 2024-06-09
[30] US (63/431,342) 2022-12-09

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[21] **3,222,420**
[13] A1
[51] **Int.Cl. H02S 40/34 (2014.01) H02S 20/23 (2014.01) H02S 50/00 (2014.01)**
[25] EN
[54] **RAPID SHUTDOWN DEVICE FOR PHOTOVOLTAIC MODULES**
[54] **DISPOSITIF D'ARRET RAPIDE POUR MODULES PHOTOVOLTAIQUES**
[72] FARHANGI, BABAK, US
[72] AMIN, HASIB, US
[72] ABRA, LEWIS, US
[72] PERKINS, RICHARD, US
[71] GAF ENERGY LLC, US
[22] 2023-12-08
[41] 2024-06-14
[30] US (18/066,241) 2022-12-14

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[21] **3,222,422**
[13] A1
[51] **Int.Cl. G06Q 50/02 (2012.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR AGRICULTURAL YIELD DATA MANAGEMENT**
[54] **METHODES ET SYSTEMES DE GESTION DES DONNEES DE RENDEMENT AGRICOLE**
[72] LEFLEY, TYLER, CA
[72] FRASER, GARRETT, CA
[72] MELNITCHOUCK, ALEXEI, CA
[72] SOLBERG, ELSTON, CA
[71] DARK HORSE AG VENTURES LTD., CA
[22] 2023-12-08
[41] 2024-06-09
[30] US (63/431,351) 2022-12-09

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[21] **3,222,434**
[13] A1
[51] **Int.Cl. F16L 55/26 (2006.01) F16L 55/48 (2006.01)**
[25] EN
[54] **PIPELINE PIG TRACKING AND LOCATOR**
[54] **SYSTEME DE SUIVI ET DE LOCALISATION DE RACLEUR**
[72] POWLOUSKY, WILLIAM, CA
[72] NAVARRO, JEREMY, CA
[71] COMTEL SYSTEMS, LTD., CA
[22] 2023-12-08
[41] 2024-06-12
[30] US (63/432,004) 2022-12-12

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[21] **3,222,441**
[13] A1
[51] **Int.Cl. E02D 13/00 (2006.01) E02D 5/34 (2006.01)**
[25] EN
[54] **HOOK, HOOK PILE FOUNDATION SYSTEM AND ITS APPLICATION THEREOF**
[54] **CROCHET, SYSTEME DE FONDATION SUR PIEUX A CROCHETS ET APPLICATION CONNEXE**
[72] ABOU EL HOSN, GHAZI, CA
[72] RAYHANI, MOHAMMAD, CA
[71] ABOU EL HOSN, GHAZI, CA
[71] RAYHANI, MOHAMMAD, CA
[22] 2023-12-09
[41] 2024-06-14
[30] US (63/432,558) 2022-12-14

[21] **3,222,455**
[13] A1
[51] **Int.Cl. A47L 9/24 (2006.01) F16L 27/00 (2006.01)**
[25] EN
[54] **HOLLOW ARTICULATING STRUCTURE**
[54] **STRUCTURE ARTICULEE CREUSE**
[72] HILLARD, JACOB LEE, US
[71] MULLET TOOLS, LLC, US
[22] 2023-12-08
[41] 2024-06-09
[30] US (63/386,737) 2022-12-09
[30] US (63/488,601) 2023-03-06

[21] **3,222,493**
[13] A1
[51] **Int.Cl. A63B 69/00 (2006.01) G06T 19/00 (2011.01) G06V 20/17 (2022.01) G06T 7/20 (2017.01)**
[25] EN
[54] **HOCKEY PRACTICE SYSTEM**
[54] **SYSTEME DE PRATIQUE DE HOCKEY**
[72] PAYERL, MARK, US
[71] PAYERL, MARK, US
[22] 2023-12-08
[41] 2024-06-12
[30] US (63475768) 2022-12-12

[21] **3,222,519**
[13] A1
[51] **Int.Cl. G06Q 30/08 (2012.01) G06F 3/0481 (2022.01) G06F 3/04842 (2022.01) G06N 20/00 (2019.01)**
[25] EN
[54] **ADVANCED PLATFORM FOR HOSTING PHYSICAL AND VIRTUAL EVENTS**
[54] **PLATEFORME AVANCEE POUR LA TENUE D~EVENEMENTS PHYSIQUES ET VIRTUELS**
[72] ECHEVERS, BORIS OMAR, CA
[72] LAKTIUSHKIN, PAVEL, CA
[72] LEROUX, DANIEL, CA
[72] MACKER, JAI, US
[72] MCCLENAHAN, JASON, CA
[71] EBLOCK CORPORATION, US
[22] 2023-12-08
[41] 2024-06-09
[30] US (63/386,681) 2022-12-09

[21] **3,222,547**
[13] A1
[51] **Int.Cl. D06F 81/08 (2006.01) D06F 81/02 (2006.01)**
[25] EN
[54] **IRONING TABLE INTENDED FOR USE WITH A STEAM-TYPE IRONING DEVICE**
[54] **TABLE A REPASSER A UTILISER AVEC UN FER A REPASSER DE TYPE A VAPEUR**
[72] CERAUDO, ROSARIO, FR
[71] INPRO B.V., NL
[22] 2023-12-11
[41] 2024-06-12
[30] FR (22 13170) 2022-12-12

[21] **3,222,554**
[13] A1
[51] **Int.Cl. E01C 23/09 (2006.01)**
[25] EN
[54] **VEHICLE WITH CURB CUTTER**
[54] **VEHICULE COMPRENANT UNE SCIE A BORDURE**
[72] VELDBOOM, JOHN G., US
[72] VELDBOOM, BRENDON J., US
[72] SMITH, BENJAMIN C., US
[72] VILLARREAL, CARLOS L., US
[72] GWYNNE, CONNOR N., US
[72] SCHRAUFNAGEL, DANIEL D., US
[72] RIHA, GARY D., US
[71] FLUID SYSTEM COMPONENTS, US
[22] 2023-12-08
[41] 2024-06-12
[30] US (63/431,797) 2022-12-12
[30] US (63/510,297) 2023-06-26

[21] **3,222,556**
[13] A1
[51] **Int.Cl. F03B 13/26 (2006.01) E02B 9/08 (2006.01)**
[25] EN
[54] **POWER AMPLIFICATION, STORAGE AND REGENERATION SYSTEM AND METHOD USING TIDES, WAVES AND/OR WIND**
[54] **SYSTEME D~AMPLIFICATION DE PUISSANCE, DE STOCKAGE ET DE REGENERATION, ET METHODE D~UTILISATION DES MAREES, DES VAGUES ET/OU DU VENT**
[72] MATHERS, NORMAN IAN, AU
[71] MATHERS HYDRAULICS TECHNOLOGIES PTY LTD, AU
[22] 2023-12-11
[41] 2024-06-13
[30] US (63/461,084) 2023-04-21
[30] US (63/432,245) 2022-12-13
[30] US (63/439,754) 2023-01-18
[30] US (63/439,763) 2023-01-18
[30] US (63/507,026) 2023-06-08

[21] **3,222,579**
[13] A1
[51] **Int.Cl. B63B 3/00 (2006.01) B63B 5/00 (2006.01) B63B 11/00 (2006.01) B63B 25/00 (2006.01) B63H 21/38 (2006.01)**
[25] EN
[54] **BOAT WITH BATTERY SUSPENSION SYSTEM**
[54] **BATEAU COMPRENANT UN SYSTEME DE SUSPENSION DE BATTERIE**
[72] DONAT, BLAIR ALAN, US
[72] ROGERS, ERIK, US
[72] DUKE, BENJAMIN D., US
[71] POLARIS INDUSTRIES INC., US
[22] 2023-12-08
[41] 2024-06-09
[30] US (63/431,345) 2022-12-09

[21] **3,222,591**
[13] A1
[51] **Int.Cl. E21B 19/00 (2006.01) E21B 17/20 (2006.01)**
[25] EN
[54] **NESTED TUBING HANGER**
[54] **SUSPENSION DE TUBE NICHEE**
[72] HEBERT, CHRISTOPHER WILLIAM, CA
[71] DRIL-QUIP, INC., US
[22] 2023-12-11
[41] 2024-06-13
[30] US (63432331) 2022-12-13

[21] **3,222,613**
[13] A1
[51] **Int.Cl. H04W 72/04 (2023.01)**
[25] EN
[54] **ASSIGNING NETWORK RESOURCES TO USER EQUIPMENT DEVICES**
[54] **AFFECTATION DE RESSOURCES DU RESEAU AUX EQUIPEMENTS UTILISATEUR**
[72] SHABAH, ADBO, CA
[72] ASADI, MEHDI, CA
[72] BEN ATTIA, MAROUA, CA
[71] SOLUTIONS HUMANITAS INC., CA
[22] 2023-12-11
[41] 2024-06-09
[30] US (63/431,661) 2022-12-09

[21] **3,222,619**
[13] A1
[51] **Int.Cl. H04W 16/18 (2009.01) H04W 40/32 (2009.01) H04W 84/06 (2009.01)**
[25] EN
[54] **DEPLOYING RESOURCES IN A NETWORK**
[54] **DEPLOIEMENT DE RESSOURCES DANS UN RESEAU**
[72] SHABAH, ADBO, CA
[72] ASADI, MEHDI, CA
[72] BEN ATTIA, MAROUA, CA
[71] SOLUTIONS HUMANITAS INC., CA
[22] 2023-12-11
[41] 2024-06-09
[30] US (63/431,659) 2022-12-09

[21] **3,222,623**
[13] A1
[51] **Int.Cl. B63H 16/20 (2006.01)**
[25] EN
[54] **BRAKING SYSTEM FOR A PEDAL DRIVE SYSTEM FOR WATERCRAFT**
[54] **SYSTEME DE FREINAGE POUR UN SYSTEME D'ENTRAINEMENT A PEDALES POUR UNE EMBARCATION**
[72] BRAGG, TIMOTHY A., US
[72] BERGMARK, GEOFFREY MICHAEL, US
[72] RUSCH, SEAN, US
[72] LIN, SHENG-YIUNG, TW
[72] HUNG, MAO-HUA, TW
[72] HUNG, CHEN-LUN, TW
[72] CHIH, CHING CHEN, TW
[72] KE, CHIA-YU, TW
[71] JOHNSON OUTDOORS INC., US
[22] 2023-12-11
[41] 2024-06-12
[30] US (63/431,963) 2022-12-12
[30] US (18/529,847) 2023-12-05

[21] **3,222,630**
[13] A1
[51] **Int.Cl. C02F 1/32 (2006.01) C02F 1/00 (2006.01)**
[25] EN
[54] **METHOD AND REACTOR DEVICE FOR DISINFECTING WATER BY MEANS OF UV LIGHTING**
[54] **METHODE ET DISPOSITIF DE REACTEUR POUR DESINFECTER L~EAU AU MOYEN DE L~ECLAIRAGE A RAYONNEMENT ULTRAVIOLET**
[72] KLINK, MAXIMILIAN, CH
[71] HYTECON AG, CH
[22] 2023-12-12
[41] 2024-06-12
[30] DE (102022133017.6) 2022-12-12

[21] **3,222,642**
[13] A1
[51] **Int.Cl. C08L 53/00 (2006.01) B32B 11/02 (2006.01) B32B 37/24 (2006.01) C08L 95/00 (2006.01) C09K 8/035 (2006.01)**
[25] EN
[54] **DOWNSTREAM USES FOR BRIQUETTES AND OTHER FORMS OF POWDER FROM ASPHALT SHINGLE WASTE**
[54] **UTILISATIONS EN AVAL DE BRIQUETTES ET D~AUTRES FORMES DE POUDRE DE DECHETS DE BARDEAUX BITUMES**
[72] WILLETT, ADAM, US
[72] HAMER, ANN, US
[72] TIBAH, DENIS MUKI, US
[72] AGARWAL, PARMINDER, US
[72] EATON, ALAN, US
[72] BECHT, GREGORY, US
[71] BMIC LLC, US
[22] 2023-12-12
[41] 2024-06-12
[30] US (63/387,046) 2022-12-12
[30] US (63/477,087) 2022-12-23
[30] US (63/517,513) 2023-08-03

[21] **3,222,654**
[13] A1
[51] **Int.Cl. B64C 13/00 (2006.01) B64C 13/50 (2006.01) G05D 1/00 (2024.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETECTING THE POSITION AND/OR THE OPERATING STATE OF A MOVABLE COMPONENT OF AN AIRCRAFT**
[54] **SYSTEME ET METHODE POUR DETECTER LA POSITION ET/OU L~ETAT D~EXPLOITATION D~UN COMPOSANT MOBILE D~UN AERONEF**
[72] GROM, THOMAS, DE
[72] HARTMANN, TOBIAS, DE
[72] KOHLOFFEL, CHRISTIAN, DE
[71] LIEBHERR-AEROSPACE LINDENBERG GMBH, DE
[22] 2023-12-11
[41] 2024-06-14
[30] DE (10 2022 133 268.3) 2022-12-14

[21] **3,222,660**
[13] A1
[51] **Int.Cl. A47C 17/62 (2006.01)**
[25] EN
[54] **FURNITURE OBJECTS FOR STORING FOLDABLE BEDS**
[54] **MOBILIER POUR RANGER DES LITS PLIANTS**
[72] GROSSMAN, JOEL, MY
[72] PORTER, HOWARD, MY
[71] NIGHT AND DAY FURNITURE LLC, US
[22] 2023-12-11
[41] 2024-06-09
[30] US (18/063,922) 2022-12-09

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[21] **3,222,666**
[13] A1
[51] **Int.Cl. E06B 5/16 (2006.01)**
[25] EN
[54] **EDGE GUARD AND END CAP SYSTEM FOR A FIRE DOOR ASSEMBLY**
[54] **SYSTEME DE PROTECTION DES BORDS ET DES EXTREMITES D~UN ASSEMBLAGE DE PORTE COUPE-FEU**
[72] NOBLE, COURNEY B., US
[71] CROWN FIRE DOOR PRODUCTS, INC., US
[22] 2023-12-12
[41] 2024-06-12
[30] US (18/079,127) 2022-12-12
[30] US (18/383,210) 2023-10-24

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[21] **3,222,685**
[13] A1
[51] **Int.Cl. G06F 40/279 (2020.01) G06N 20/00 (2019.01) G06F 40/40 (2020.01)**
[25] EN
[54] **CALL TAGGING USING MACHINE LEARNING MODELS**
[54] **ETIQUETAGE D'APPEL AU MOYEN DE MODELES D'APPRENTISSAGE AUTOMATIQUE**
[72] MORGAN, DYLAN, US
[72] CHAPLIN, BORIS, US
[72] SMAAGARD, KYLE, US
[72] VANCIU, CHRIS, US
[72] CATTANEO, LAURA, US
[72] MATSUI, MATT, US
[72] BULLOCK, CATHERINE, US
[71] CALABRIO, INC., US
[22] 2023-12-12
[41] 2024-06-13
[30] US (18/065,597) 2022-12-13

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[21] **3,222,689**
[13] A1
[51] **Int.Cl. G06F 40/35 (2020.01) G06Q 30/015 (2023.01)**
[25] EN
[54] **EVALUATING TRANSCRIPTS THROUGH REPETITIVE STATEMENT ANALYSIS**
[54] **EVALUATION DE RELEVES PAR ANALYSE DE RAPPORT REPETEE**
[72] MORGAN, DYLAN, US
[72] CHAPLIN, BORIS, US
[72] SMAAGARD, KYLE, US
[72] VANCIU, CHRIS, US
[72] CATTANEO, LAURA, US
[72] MATSUI, MATT, US
[72] BULLOCK, CATHERINE, US
[71] CALABRIO, INC., US
[22] 2023-12-12
[41] 2024-06-13
[30] US (18/065,589) 2022-12-13

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[21] **3,222,692**
[13] A1
[51] **Int.Cl. G06F 9/48 (2006.01) H04W 12/06 (2021.01) G06F 15/16 (2006.01)**
[25] EN
[54] **MANAGING AND SECURING CLOUD COMPUTING TASKS FOR MULTIPLE TENANTS**
[54] **GESTION ET SECURISATION DES TACHES D~INFONUAGIQUE POUR DE MULTIPLES LOCATAIRES**
[72] MULIK, POOJA, US
[72] PARAJULI, SUYOG, US
[72] LOURDES, GITA ANTOINETTE, US
[72] AGARWAL, NIKHIL, US
[72] JAIN, PRASANTH, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2023-12-08
[41] 2024-06-09
[30] US (18/063884) 2022-12-09

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[21] **3,222,701**
[13] A1
[51] **Int.Cl. E04B 2/02 (2006.01) B28B 23/22 (2006.01) E04B 1/62 (2006.01)**
[25] EN
[54] **INSULATING CONCRETE FORM BUCK**
[54] **PREDORMANT ISOLANT DE COFFRAGE A BETON**
[72] STEFFES, GREGORY R., US
[71] STEFFES, GREGORY R., US
[22] 2023-12-12
[41] 2024-06-15
[30] US (63/432,940) 2022-12-15

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[21] **3,222,733**
[13] A1
[25] EN
[54] **CODING UNIT PREDICTION USING TEMPLATE MATCHING COSTS**
[54] **PREDICTION D~UNITE DE CODAGE AU MOYEN DES COUTS D~APPARIEMENT PAR FORME DE REFERENCE**
[72] FILIPPOV, ALEXEY KONSTANTINOVICH, US
[72] RUFITSKIY, VASILY ALEXEEVICH, US
[72] DINAN, ESMAEL HEJAZI, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2023-12-08
[41] 2024-06-09
[30] US (63/431,347) 2022-12-09

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[21] **3,222,739**
[13] A1
[51] **Int.Cl. B08B 9/34 (2006.01) A47L 15/24 (2006.01) B08B 9/28 (2006.01) B08B 9/30 (2006.01)**
[25] EN
[54] **SPRAY ARM ASSEMBLY AND GLASSWASHER INCORPORATING THE SAME**
[54] **ASSEMBLAGE DE BRAS GICLEUR ET LAVE-VERRE INTEGRANT CET ASSEMBLAGE**
[72] HOWE, RAYMOND CHARLES, CA
[72] KATKIC, IVAN JOSIP, CA
[71] MOYER DIEBEL LTD., CA
[22] 2023-12-12
[41] 2024-06-13
[30] US (63/432,189) 2022-12-13

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[21] **3,222,740**
[13] A1
[25] EN
[54] **CONTEXT MODELING FOR SIGN AND MAGNITUDE PREDICTION**
[54] **MODELISATION AXEE SUR LE CONTEXTE POUR LA PREDICTION DE SIGNE ET DE MAGNITUDE**
[72] FILIPPOV, ALEXEY KONSTANTINOVICH, US
[72] RUFITSKIY, VASILY ALEXEEVICH, US
[72] DINAN, ESMAEL HEJAZI, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2023-12-08
[41] 2024-06-09
[30] US (63/431,623) 2022-12-09

[21] **3,222,753**
[13] A1
[51] **Int.Cl. E04H 15/00 (2006.01) E04F 10/02 (2006.01)**
[25] EN
[54] **ROOF PANEL AND ROOF STRUCTURE**
[54] **TOIT ET STRUCTURE DE TOIT**
[72] STYRC, JACEK, CA
[71] 2724889 ONTARIO INC., CA
[22] 2023-12-12
[41] 2024-06-14
[30] US (63/387,429) 2022-12-14

[21] **3,222,757**
[13] A1
[51] **Int.Cl. A61F 13/66 (2006.01) A41B 13/00 (2006.01) A61F 13/70 (2006.01)**
[25] EN
[54] **GARMENT WITH DIAPER SUPPORT**
[54] **VETEMENT COMPRENANT UN SUPPORT POUR COUCHE**
[72] JOHAL, SONIA, CA
[71] JOHAL, SONIA, CA
[22] 2023-12-12
[41] 2024-06-14
[30] US (63/387,482) 2022-12-14

[21] **3,222,815**
[13] A1
[51] **Int.Cl. A01G 9/02 (2018.01) A47G 7/04 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR INVERSE LIGHTING OF A PLANT**
[54] **SYSTEMES ET METHODES POUR L~ECLAIRAGE INVERSE D~UNE PLANTE**
[72] MOFFITT, KYLE W., US
[72] PRIORE, ROBERT, US
[71] STEM CULTIVATION, INC., US
[22] 2023-12-12
[41] 2024-06-13
[30] US (63/432,271) 2022-12-13

[21] **3,222,872**
[13] A1
[51] **Int.Cl. C09D 1/00 (2006.01) C09D 5/14 (2006.01) C09D 131/04 (2006.01) E04B 1/72 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL AND ANTIVIRAL BUILDING PANELS**
[54] **PANNEAUX DE CONSTRUCTION ANTIMICROBIENS ET ANTIVIRAUX**
[72] WANG, MICHELLE X., US
[72] CHANG, YING, US
[72] HUGHES, JOHN E., US
[72] ZHANG, LINZHU, US
[72] MASIA, STEVEN L., US
[71] ARMSTRONG WORLD INDUSTRIES, INC., US
[22] 2023-12-13
[41] 2024-06-13
[30] US (63/432,155) 2022-12-13

[21] **3,222,875**
[13] A1
[25] FR
[54] **METHOD AND DEVICE FOR PROTECTING AN INFLOW COMPRISING AN ELEMENTARY STREAM CONSISTING OF VIDEO PACKETS**
[54] **PROCEDE ET DISPOSITIF DE PROTECTION D'UN FLUX ENTRANT COMPORTANT UN FLUX ELEMENTAIRE CONSTITUE DE PAQUETS VIDEO**
[72] ANGER, AUGUSTIN, FR
[72] BONNAFOUX, LUC, FR
[72] MARGUERITE, ETIENNE, FR
[71] THALES, FR
[22] 2023-12-13
[41] 2024-06-15
[30] FR (FR2213428) 2022-12-15

[21] **3,222,890**
[13] A1
[25] EN
[54] **DATA OBJECTS FOR CONTENT DISTRIBUTION**
[54] **OBJETS DE DONNEES POUR LA DISTRIBUTION DE CONTENU**
[72] GILADI, ALEXANDER, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2023-12-13
[41] 2024-06-14
[30] US (18/066,121) 2022-12-14

[21] **3,222,908**
[13] A1
[51] **Int.Cl. A01F 29/09 (2010.01) A01D 89/00 (2006.01) A01D 90/04 (2006.01) A01F 15/00 (2006.01) A01F 29/00 (2006.01)**
[25] EN
[54] **CUTTER DEVICE FOR AN AGRICULTURAL HARVESTER**
[54] **DISPOSITIF DE COUPE POUR UNE MOISSONNEUSE AGRICOLE**
[72] VAN DER VEGTE, BERNARDUS GERHARDUS JOHANNES, NL
[72] VAN GOG, JOHANNES ANTONIUS MARTINUS, NL
[71] KUHN-GELDROP B.V., NL
[22] 2023-12-13
[41] 2024-06-14
[30] GB (2218840.3) 2022-12-14
[30] GB (2308217.5) 2023-06-01
[30] GB (2308649.9) 2023-06-09

[21] **3,222,954**
[13] A1
[51] **Int.Cl. C12P 7/10 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 1/22 (2006.01) C12P 7/14 (2006.01)**
[25] EN
[54] **BACTERIAL AND YEAST COMBINATIONS FOR REDUCING GREENHOUSE GAS PRODUCTION DURING FERMENTATION OF BIOMASS COMPRISING PENTOSES**
[54] **COMBINAISONS DE BACTERIES ET DE LEVURES POUR REDUIRE LA PRODUCTION DE GAZ A EFFET DE SERRE PENDANT LA FERMENTATION D~UNE BIOMASSE COMPRENANT DES PENTOSES**
[72] BROADBENT, JEFFERY R., US
[72] STEELE, JAMES L., US
[72] HENNINGSEN, BROOKS, US
[72] PHROMMAO, EKKARAT, US
[72] FIRMINO, FERNANDA CRISTINA, US
[71] DANSTAR FERMENT AG, CH
[71] LALLEMAND HUNGARY LIQUIDITY MANAGEMENT LLC, HU
[22] 2023-12-12
[41] 2024-06-12
[30] US (63/387,035) 2022-12-12

[21] **3,222,971**
[13] A1
[51] **Int.Cl. H04L 9/32 (2006.01) H04W 12/06 (2021.01) H04M 3/523 (2006.01)**
[25] EN
[54] **TRANSFERRING AN AUTHENTICATION STATE FROM A DIGITAL CHANNEL TO AN AGENT CHANNEL**
[54] **TRANSFERT D'UN ETAT D'AUTHENTIFICATION D'UN CANAL NUMERIQUE A UN CANAL D'AGENT**
[72] NEIGHBOUR, ERIK, US
[72] PARGAONKAR, SHASHIKIRAN, US
[72] PRATHIPATI, JAYANTH, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2023-12-13
[41] 2024-06-14
[30] US (18/065,936) 2022-12-14

[21] **3,222,973**
[13] A1
[51] **Int.Cl. G06Q 50/06 (2012.01) G06Q 10/04 (2023.01) G06F 16/27 (2019.01)**
[25] EN
[54] **BLOCKCHAIN TRANSACTIVE ENERGY MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION D~ENERGIE DE TRANSACTION SUR LA CHAINE DE BLOCS**
[72] RAHIMI-KIAN, ASHKAN, CA
[72] BASHARI, MASOUD, CA
[72] ZARE, JAVAD, CA
[72] SARADAR-TORSHIZI, EHSAN, CA
[72] AFLAKI, KAVEH, CA
[71] IEMS SOLUTION LTD, CA
[22] 2023-12-13
[41] 2024-06-14
[30] US (63/432,422) 2022-12-14
[30] US (18/511,912) 2023-11-16

[21] **3,222,974**
[13] A1
[51] **Int.Cl. A01F 29/00 (2006.01) A01F 29/09 (2010.01) A01D 89/00 (2006.01) A01D 90/04 (2006.01) A01F 15/00 (2006.01)**
[25] EN
[54] **CUTTER DEVICE FOR AN AGRICULTURAL HARVESTER**
[54] **DISPOSITIF DE COUPE POUR UNE MOISSONNEUSE AGRICOLE**
[72] VAN DER VEGTE, BERNARDUS GERHARDUS JOHANNES, NL
[72] BAX, ROY PETRUS JOHANNES, NL
[71] KUHN-GELDROP B.V., NL
[22] 2023-12-13
[41] 2024-06-14
[30] GB (2218840.3) 2022-12-14
[30] GB (2308217.5) 2023-06-01
[30] GB (2308649.9) 2023-06-09

[21] **3,222,979**
[13] A1
[51] **Int.Cl. G06Q 10/063 (2023.01) H04W 4/40 (2018.01) G06F 16/27 (2019.01) G16Y 10/40 (2020.01) G16Y 20/30 (2020.01) G06Q 50/40 (2024.01) H04W 4/38 (2018.01) H04L 9/00 (2022.01)**
[25] EN
[54] **ELECTRIC VEHICLE FLEET MOBILE APPLICATION**
[54] **APPLICATION MOBILE POUR PARC DE VEHICULES ELECTRIQUES**
[72] RAHIMI-KIAN, ASHKAN, CA
[72] BASHARI, MASOUD, CA
[72] ZARE, JAVAD, CA
[72] SARADAR-TORSHIZI, EHSAN, CA
[72] AFLAKI, KAVEH, CA
[71] IEMS SOLUTION LTD, CA
[22] 2023-12-13
[41] 2024-06-14
[30] US (63/432,428) 2022-12-14
[30] US (18/511,930) 2023-11-16

[21] **3,222,981**
[13] A1
[51] **Int.Cl. A01F 29/09 (2010.01) A01D 89/00 (2006.01) A01D 90/04 (2006.01) A01F 29/00 (2006.01)**
[25] EN
[54] **CUTTER DEVICE FOR AN AGRICULTURAL HARVESTER**
[54] **DISPOSITIF DE COUPE POUR UNE MOISSONNEUSE AGRICOLE**
[72] VAN GOG, JOHANNES ANTONIUS MARTINUS, NL
[72] BAX, ROY PETRUS JOHANNES, NL
[71] KUHN-GELDROP B.V., NL
[22] 2023-12-13
[41] 2024-06-14
[30] GB (2218840.3) 2022-12-14
[30] GB (2308217.5) 2023-06-01
[30] GB (2308649.9) 2023-06-09

[21] **3,223,000**
[13] A1
[51] **Int.Cl. G06Q 50/06 (2012.01) G06Q 10/04 (2023.01) G06N 3/02 (2006.01) G06N 3/08 (2023.01)**
[25] EN
[54] **DISTRIBUTED ENERGY RESOURCES MANAGEMENT SYSTEM SOFTWARE PLATFORM**
[54] **PLATEFORME LOGICIELLE POUR SYSTEME DE GESTION DE RESSOURCES D~ENERGIE DISTRIBUEES**
[72] RAHIMI-KIAN, ASHKAN, CA
[72] BASHARI, MASOUD, CA
[72] ZARE, JAVAD, CA
[72] SARADAR-TORSHIZI, EHSAN, CA
[72] AFLAKI, KAVEH, CA
[71] IEMS SOLUTION LTD, CA
[22] 2023-12-13
[41] 2024-06-14
[30] US (63/432,419) 2022-12-14
[30] US (18/511,889) 2023-11-16

[21] **3,223,002**
[13] A1
[51] **Int.Cl. A61K 31/427 (2006.01) A61K 31/337 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION TREATMENT FOR SOLID TUMORS USING CABAZITAXEL AND A CYP3A INHIBITOR**
[54] **TRAITEMENT COMBINE DES TUMEURS SOLIDES AU MOYEN DE CABAZITAXEL ET D~UN INHIBITEUR DE CYP3A**
[72] BEIJNEN, JACOB HENDRIK, NL
[72] VAN EIJK, MAARTEN, NL
[72] HUITEMA, ALWIN DAGMAR REDMAR, NL
[72] LOOS, NANCY HELENE CATHARINA, NL
[72] SCHINKEL, ALFRED HERMANUS, NL
[71] STICHTING HET NEDERLANDS KANKER INSTITUUT, NL
[22] 2023-12-13
[41] 2024-06-13
[30] EP (22213139.3) 2022-12-13

[21] **3,223,014**
[13] A1
[51] **Int.Cl. H04W 28/08 (2023.01) H04W 8/20 (2009.01) H04W 48/18 (2009.01) H04W 4/021 (2018.01)**
[25] EN
[54] **METHODS, APPARATUSES, AND SYSTEMS FOR NETWORK ACCESSIBILITY**
[54] **METHODES, APPAREILS ET SYSTEMES D~ACCESSIBILITE RESEAU**
[72] MUTHUSAMY, SARAVANAN, US
[72] SIDDALINGA, PRASAD RAMANAHALLY, US
[72] SIRIKONDA, AMARENDAR, US
[72] FARRELL, TIM, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2023-12-13
[41] 2024-06-14
[30] US (18/081,235) 2022-12-14

[21] **3,223,027**
[13] A1
[51] **Int.Cl. A61K 36/81 (2006.01) A61K 9/06 (2006.01) A61K 47/44 (2017.01)**
[25] EN
[54] **OINTMENT OR BALM AND METHOD FOR PRODUCING SAME**
[54] **ONGUENT OU BAUME ET METHODE DE FABRICATION**
[72] SANTINO TURNBULL, ALICIA MARIE, US
[71] SANTINO TURNBULL, ALICIA MARIE, US
[22] 2023-12-14
[41] 2024-06-14
[30] US (63/432,588) 2022-12-14

[21] **3,223,140**
[13] A1
[51] **Int.Cl. H01M 50/505 (2021.01) H01M 10/0525 (2010.01)**
[25] EN
[54] **LITHIUM-ION BATTERY MATERIAL HANDLING VEHICLE**
[54] **VEHICULE DE MANUTENTION DE BATTERIES AU LITHIUM-ION**
[72] FRITSCH, JEFFREY, US
[72] SHI, ZHONG, US
[72] PEDRAJA, GERARD, US
[71] TOYOTA MATERIAL HANDLING, INC., US
[22] 2023-12-14
[41] 2024-06-14
[30] US (63/387,346) 2022-12-14

[21] **3,223,141**
[13] A1
[51] **Int.Cl. A63G 21/00 (2006.01)**
[25] EN
[54] **TUBE SLIDE HAVING A TELESCOPING BASE**
[54] **GLISSADE EN TUYAU COMPRENANT UNE BASE TELESCOPIQUE**
[72] RIEBER, FREDERICK M., US
[71] YARDISTRY US, LLC, US
[22] 2023-12-14
[41] 2024-06-15
[30] US (18/066,598) 2022-12-15

[21] **3,223,143**
[13] A1
[51] **Int.Cl. A42B 3/20 (2006.01) A42B 3/04 (2006.01) A42B 3/22 (2006.01) A42B 3/24 (2006.01)**
[25] EN
[54] **HELMET AND METHOD FOR ASSEMBLING A HELMET**
[54] **CASQUE ET METHODE D~ASSEMBLAGE DE CASQUE**
[72] ROY, MICHAEL, CA
[72] BROUSSEAU, IVAN, CA
[72] GAMACHE-CAMIRE, FREDERIC, CA
[71] BOMBARDIER RECREATIONAL PRODUCT INC., CA
[22] 2023-12-14
[41] 2024-06-15
[30] US (63/432,884) 2022-12-15

[21] **3,223,145**
[13] A1
[51] **Int.Cl. H01R 13/10 (2006.01)**
[25] EN
[54] **CONNECTOR SAVER DEVICE AND METHOD**
[54] **DISPOSITIF DE SAUVETAGE DE CONNECTEUR ET METHODE**
[72] STINA, NICK, CA
[72] GLIDDEN, MAX, CA
[71] MACDONALD, DETTWILER AND ASSOCIATES INC., CA
[22] 2023-12-14
[41] 2024-06-14
[30] US (63/432,590) 2022-12-14

[21] **3,223,161**
[13] A1
[51] **Int.Cl. C12P 7/10 (2006.01) C12N 1/16 (2006.01) C12N 1/19 (2006.01) C12N 1/20 (2006.01) C12N 1/21 (2006.01) C12N 9/02 (2006.01) C12N 9/04 (2006.01) C12N 9/10 (2006.01) C12N 9/12 (2006.01) C12N 9/16 (2006.01) C12N 9/88 (2006.01) C12N 15/09 (2006.01) C12N 15/52 (2006.01)**
[25] EN
[54] **BACTERIAL AND YEAST COMBINATIONS FOR REDUCING GREENHOUSE GAS PRODUCTION DURING FERMENTATION OF BIOMASS COMPRISING HEXOSES**
[54] **COMBINAISONS DE BACTERIES ET DE LEVURES POUR REDUIRE LA PRODUCTION DE GAZ A EFFET DE SERRE PENDANT LA FERMENTATION D~UNE BIOMASSE COMPRENANT DES HEXOSES**
[72] BROADBENT, JEFFERY R., US
[72] STEELE, JAMES L., US
[72] HENNINGSEN, BROOKS, US
[72] PHROMMAO, EKKARAT, US
[72] FIRMINO, FERNANDA CRISTINA, US
[71] LALLEMAND HUNGARY LIQUIDITY MANAGEMENT LLC, HU
[71] DANSTAR FERMENT AG, CH
[22] 2023-12-12
[41] 2024-06-12
[30] US (63/387,060) 2022-12-12

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[21] **3,223,162**
[13] A1
[51] **Int.Cl. A61G 17/007 (2006.01) A61G 17/04 (2006.01)**
[25] EN
[54] **A MECHANISM FOR THE BED OF A CASKET**
[54] **MECANISME POUR LE LIT D~UN CERCUEIL**
[72] STRUEWING, CHRISTOPHER CARL, US
[71] BATESVILLE SERVICES, LLC, US
[22] 2023-12-12
[41] 2024-06-13
[30] US (63/387,159) 2022-12-13

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[21] **3,223,213**
[13] A1
[51] **Int.Cl. B60R 22/18 (2006.01) A44B 11/25 (2006.01) B60R 22/00 (2006.01) B60R 22/12 (2006.01) B60R 22/20 (2006.01) B60R 22/30 (2006.01)**
[25] EN
[54] **WEB LENGTH ADJUSTER**
[54] **AJUSTEUR DE LONGUEUR D~UNE TOILE**
[72] BEADLE, NATHAN ANDREW, US
[72] FARRAR, MATTHEW GRUBBS, US
[72] JESSUP, CHRIS P., US
[71] INDIANA MILLS & MANUFACTURING, INC., US
[22] 2023-12-13
[41] 2024-06-14
[30] US (18/065750) 2022-12-14

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[21] **3,223,218**
[13] A1
[51] **Int.Cl. B60F 3/00 (2006.01) B60P 3/10 (2006.01)**
[25] EN
[54] **AUTOMOTIVE AMPHIBIAN TRAILER ASSEMBLY**
[54] **ASSEMBLAGE DE REMORQUE AMPHIBIE AUTOMOBILE**
[72] TOROK, LASZLO, AU
[71] TOROK, LASZLO, AU
[22] 2023-12-13
[41] 2024-06-13
[30] AU (2022903807) 2022-12-13

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[21] **3,223,226**
[13] A1
[51] **Int.Cl. F04B 35/04 (2006.01) B60K 25/00 (2006.01) B60R 16/00 (2006.01) F04B 17/03 (2006.01)**
[25] EN
[54] **ELECTRIC PUMP AND COMPRESSOR ASSEMBLY, SYSTEMS COMPRISING SAME, AND METHODS OF USING THE SAME**
[54] **ELECTROPOMPE ET ASSEMBLAGE DE COMPRESSEUR, SYSTEMES LES COMPRENANT ET METHODES D~UTILISATION**
[72] O'KONEK JR., DUSTEN CARL, US
[72] HENNUM, ANTHONY REID, US
[71] NOTT COMPANY, US
[22] 2023-12-13
[41] 2024-06-13
[30] US (63/432.251) 2022-12-13

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[21] **3,223,268**
[13] A1
[51] **Int.Cl. F24F 11/62 (2018.01) F25B 30/02 (2006.01) G05B 19/42 (2006.01)**
[25] EN
[54] **ENERGY EFFICIENT HVAC SYSTEM WITH VARIABLE CAPACITY START UP CONTROL**
[54] **SYSTEME CVC ECOENERGETIQUE A COMMANDE DE DEMARRAGE A CAPACITE VARIABLE**
[72] BOYD, ANDREW MICHAEL, US
[72] GILLETTE, THERESA THY N., US
[72] NOGGLE, CAMERON S., US
[72] SMITH, JEREMY RYAN, US
[71] JOHNSON CONTROLS TYCO IP HOLDINGS LLP, US
[22] 2023-12-14
[41] 2024-06-14
[30] US (63/432653) 2022-12-14

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[21] **3,223,288**
[13] A1
[51] **Int.Cl. H04W 72/00 (2023.01)**
[25] EN
[54] **CELL ACTIVATION USING REFERENCE CELLS**
[54] **ACTIVATION DE CELLULE AU MOYEN DE CELLULES DE REFERENCE**
[72] CIRIK, ALI CAGATAY, US
[72] DINAN, ESMAEL HEJAZI, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2023-12-14
[41] 2024-06-14
[30] US (63/432/629) 2022-12-14

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[21] **3,223,350**
[13] A1
[51] **Int.Cl. F28F 27/00 (2006.01) F24F 7/00 (2021.01) F24F 11/00 (2018.01)**
[25] EN
[54] **VENTILATION SYSTEM**
[54] **SYSTEME DE VENTILATION**
[72] MORNEAU-LEBEAU, ANNE-JULIE, CA
[72] GERVAIS, MAXIME, CA
[71] INNERGY TECH INC., CA
[22] 2023-12-15
[41] 2024-06-15
[30] US (63/432,727) 2022-12-15
[30] US (18/539,432) 2023-12-14

[21] **3,223,353**
[13] A1
[51] **Int.Cl. H04W 72/23 (2023.01) H04W 24/10 (2009.01) H04W 72/04 (2023.01) H04W 72/232 (2023.01) H04B 7/06 (2006.01) H04B 7/08 (2006.01)**
[25] EN
[54] **REFERENCE SIGNAL RECEPTION USING REFERENCE CELLS**
[54] **RECEPTION D~UN SIGNAL DE REFERENCE AU MOYEN DE CELLULES DE REFERENCE**
[72] CIRIK, ALI CAGATAY, US
[72] DINAN, ESMAEL HEJAZI, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2023-12-14
[41] 2024-06-14
[30] US (63/432,632) 2022-12-14

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[21] **3,223,365**
[13] A1
[51] **Int.Cl. A42B 3/18 (2006.01)**
[25] EN
[54] **HELMET AND FAMILY OF HELMETS**
[54] **CASQUE ET FAMILLE DE CASQUES**
[72] ROY, MICHAEL, CA
[72] BROUSSEAU, IVAN, CA
[72] LECOINTRE, ALEXANDRE, FR
[72] GAMACHE-CAMIRE, FREDERIC, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[22] 2023-12-15
[41] 2024-06-15
[30] US (63/432,896) 2022-12-15

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[21] **3,223,369**
[13] A1
[51] **Int.Cl. A42B 3/04 (2006.01) A42B 3/06 (2006.01) A42B 3/32 (2006.01)**
[25] EN
[54] **CONNECTABLE HELMET**
[54] **CASQUE COMPRENANT UN CONNECTEUR**
[72] ROY, MICHAEL, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[22] 2023-12-15
[41] 2024-06-15
[30] US (63/432,893) 2022-12-15

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[21] **3,223,377**
[13] A1
[51] **Int.Cl. A41D 13/005 (2006.01) A41D 1/02 (2006.01) A41D 13/002 (2006.01) A42B 3/04 (2006.01) A44B 19/00 (2006.01)**
[25] EN
[54] **GARMENT FOR CONNECTING TO A HELMET**
[54] **VETEMENT POUR LA CONNEXION A UN CASQUE**
[72] ROY, MICHAEL, CA
[72] BROUSSEAU, IVAN, CA
[72] YAHYAOUI, OUSSAMA, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[22] 2023-12-15
[41] 2024-06-15
[30] US (63/432,888) 2022-12-15

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[21] **3,223,607**
[13] A1
[51] **Int.Cl. A63G 31/02 (2006.01) A63G 31/10 (2006.01) E06B 3/38 (2006.01)**
[25] EN
[54] **APPARATUS FOR THE AMUSEMENT OF AT LEAST ONE PERSON**
[54] **APPAREIL POUR L~AMUSEMENT D~AU MOINS UNE PERSONNE**
[72] ROOS, STEFAN, ES
[71] ROOS, STEFAN, ES
[22] 2023-12-15
[41] 2024-06-15
[30] DE (DE 20 2022 002 654.4) 2022-12-15

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[21] **3,225,889**
[13] A1
[51] **Int.Cl. E04H 9/04 (2006.01) A62B 3/00 (2006.01) E06B 5/12 (2006.01) F41H 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AGAINST TERRORIST ATTACKS OF THE PROTECTING IMPORTANT FACILITIES**
[54] **SYSTEME CONTRE LES ATTAQUES TERRORISTES POUR LA PROTECTION D~INSTALLATIONS IMPORTANTES**
[72] ALSAKKA, MOHAMAD FERAS, CA
[71] ALSAKKA, MOHAMAD FERAS, CA
[22] 2024-01-12
[41] 2024-06-09

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[21] **3,227,231**
[13] A1
[51] **Int.Cl. E04C 2/288 (2006.01) B28B 7/00 (2006.01) E04C 1/41 (2006.01) E04G 11/00 (2006.01)**
[25] EN
[54] **INSULATED HOLLOW CORE CONCRETE FORMING SYSTEM FOR WALLS AND SLABS.**
[54] **SYSTEME DE COFFRAGE A BETON ISOLE A AME ALVEOLEE POUR LES MURS ET LES DALLES**
[72] HADDAD, SHARIF, CA
[71] HADDAD, SHARIF, CA
[22] 2024-01-25
[41] 2024-06-11
[30] US (US 63594426) 2023-10-31

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[21] **3,230,718**
[13] A1
[51] **Int.Cl. C10M 135/22 (2006.01)**
[25] EN
[54] **LUBRICATING COMPOSITION FOR INDUSTRIAL GEAR FLUIDS**
[54] **COMPOSITION DE LUBRIFICATION POUR DES FLUIDES D~UN ENGRENAGE INDUSTRIEL**
[72] EDWARDS, DAVID, US
[72] RYAN, HELEN, GB
[71] AFTON CHEMICAL CORPORATION, US
[22] 2024-02-29
[41] 2024-06-15
[30] US (18/178126) 2023-03-03

[21] **3,234,861**
[13] A1
[51] **Int.Cl. B32B 27/32 (2006.01) C08J 7/048 (2020.01) B32B 7/12 (2006.01) B32B 27/08 (2006.01) B32B 27/18 (2006.01) B32B 27/30 (2006.01) B32B 37/02 (2006.01) B32B 37/12 (2006.01) B32B 38/00 (2006.01) C08J 3/22 (2006.01) C09D 129/04 (2006.01)**
[25] EN
[54] **HIGH BARRIER RECYCLABLE LAMINATED FILM AND PREPARATION METHOD THEREOF**
[54] **FEUILLE STRATIFIEE RECYCLABLE HAUTE BARRIERE ET METHODE DE PREPARATION**
[72] LI, SHUANGLI, CN
[72] YANG, SUOCHENG, CN
[72] ZHOU, RUI, CN
[72] GAO, SHUN, CN
[72] WANG, TAO, CN
[72] LI, JIANHAO, CN
[71] DAWN ZHOUSHI (QINGDAO) MULTI-LAYER PACKAGING MATERIAL CO., LTD., CN
[71] QINGDAO BIOBORN PACKAGING CO., LTD., CN
[22] 2024-04-11
[41] 2024-06-10
[30] CN (202410281918.1) 2024-03-12

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[21] **3,235,045**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED 1PKLA61**
[54] **MAIS AUTOGAME 1PKLA61**
[72] KING, STEVEN PAUL, US
[72] REVOL, BENOIT, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2024-04-12
[41] 2024-06-10
[30] US (18/300,597) 2023-04-14

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[21] **3,235,046**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED 1PWYJ10**
[54] **MAIS AUTOGAME 1PWYJ10**
[72] KEVERN, THOMAS CRAIG, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2024-04-12
[41] 2024-06-10
[30] US (18/300,422) 2023-04-14

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[21] **3,235,047**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED 1PKDS77**
[54] **MAIS AUTOGAME 1PKDS77**
[72] SCHAEFER, CHRISTOPHER MICHAEL, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2024-04-12
[41] 2024-06-10
[30] US (18/300,499) 2023-04-14

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[21] **3,235,049**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED 1PGJC85**
[54] **MAIS AUTOGAME 1PGJC85**
[72] GRANT, KELVIN GRANDY, US
[72] MICKELSON, SUZANNE MICHELLE, US
[72] REY, JUAN IGNACIO, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2024-04-12
[41] 2024-06-10
[30] US (18/300,461) 2023-04-14

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[21] **3,235,051**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED 1PKEQ94**
[54] **MAIS AUTOGAME 1PKEQ94**
[72] ARBELBIDE, MARTIN, US
[72] GARCIA, GUSTAVO MARCELO, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2024-04-12
[41] 2024-06-10
[30] US (18/300,585) 2023-04-14

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[25] EN
[54] **MAIZE INBRED 1PVNL56**
[54] **MAIS AUTOGAME 1PVNL56**
[72] HENDRICKX, LEONARDUS JOHANNES MARIA, US
[72] KING, STEVEN PAUL, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2024-04-12
[41] 2024-06-11
[30] US (18/300,409) 2023-04-14

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[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED 1PSKB72**
[54] **MAIS AUTOGAME 1PSKB72**
[72] FABRIZIUS, MARTIN A., US
[72] GRANT, KELVIN GRANDY, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2024-04-12
[41] 2024-06-14
[30] US (18/300,448) 2023-04-14

[21] **3,235,173**
[13] A1
[51] **Int.Cl. B01D 53/26 (2006.01) C10G 31/06 (2006.01)**
[25] EN
[54] **METHODS FOR OPTIMIZING GAS AND FLUID PROCESSING**
[54] **METHODES POUR OPTIMISER LE TRAITEMENT DES GAZ ET DES FLUIDES**
[72] MARSHALL, DEREK B., CA
[72] VAN DER LEE, JAMES, CA
[72] HANSEN, VAUGHN, CA
[72] MCKAY, N. WAYNE, CA
[72] MADDOCKS, JAMES, CA
[71] DEXPRO CORPORATION, CA
[22] 2024-04-15
[41] 2024-06-12
[30] US (63/460,158) 2023-04-18

[21] **3,235,472**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X95T028**
[54] **MAIS HYBRIDE X95T028**
[72] GRANT, KELVIN GRANDY, US
[72] MICKELSON, SUZANNE MICHELLE, US
[72] REY, JUAN IGNACIO, US
[72] SCHAEFER, CHRISTOPHER MICHAEL, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2024-04-17
[41] 2024-06-14
[30] US (18/305,099) 2023-04-21

[21] **3,235,483**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X04T048**
[54] **MAIS HYBRIDE X04T048**
[72] KEVERN, THOMAS CRAIG, US
[72] KING, STEVEN PAUL, US
[72] MICKELSON, SUZANNE MICHELLE, US
[72] REVOL. BENOIT, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2024-04-17
[41] 2024-06-14
[30] US (18/304,493) 2023-04-21

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[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X95T023**
[54] **MAIS HYBRIDE X95T023**
[72] MICKELSON, SUZANNE MICHELLE, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2024-04-17
[41] 2024-06-14
[30] US (18/305,043) 2023-04-21

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[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X76T002**
[54] **MAIS HYBRIDE X76T002**
[72] GINGERA, GREGORY, US
[72] HENDRICKX, LEONARDUS JOHANNES MARIA, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2024-04-17
[41] 2024-06-14
[30] US (18/304,779) 2023-04-21

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[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X74T001**
[54] **MAIS HYBRIDE X74T001**
[72] GINGERA, GREGORY, US
[72] HENDRICKX, LEONARDUS JOHANNES MARIA, US
[72] KING, STEVEN PAUL, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2024-04-17
[41] 2024-06-12
[30] US (18/304,762) 2023-04-21

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[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X87T011**
[54] **MAIS HYBRIDE X87T011**
[72] DOLAN, DENNIS JAMES, US
[72] GARCIA, GUSTAVO MARCELO, US
[72] KING, STEVEN PAUL, US
[72] POSCH, JEFFREY, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2024-04-17
[41] 2024-06-12
[30] US (18/304,881) 2023-04-21

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[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X91T021**
[54] **MAIS HYBRIDE X91T021**
[72] ARBELBIDE, MARTIN, US
[72] GARCIA, GUSTAVO MARCELO, US
[72] KING, STEVEN PAUL, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2024-04-17
[41] 2024-06-14
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[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X96T030**
[54] **MAIS HYBRIDE X96T030**
[72] FABRIZIUS, MARTIN A., US
[72] GRANT, KELVIN GRANDY, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
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[41] 2024-06-14
[30] US (18/305,112) 2023-04-21

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[13] A1
[51] **Int.Cl. E02F 3/43 (2006.01) E02F 9/08 (2006.01) E02F 9/18 (2006.01) E02F 9/22 (2006.01)**
[25] EN
[54] **SHOVEL LIFTING APPARATUS AND METHOD FOR LIFTING A SUPERSTRUCTURE OF A SHOVEL**
[54] **APPAREIL ET METHODE DE LEVAGE DE PELLE POUR LEVER UNE SUPERSTRUCTURE DE PELLE**
[72] BROCHU, JONATHAN, CA
[72] COTE, STEPHANE, CA
[72] SANCHEZ MUNOZ, CAMILO GABRIEL, CA
[72] CLOUTIER, EVEN, CA
[71] 8082464 CANADA INC., CA
[22] 2024-04-25
[41] 2024-06-10
[30] US (63/554,423) 2024-02-16

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Demandes PCT entrant en phase nationale

[21] **3,214,350**
[13] A1
[51] **Int.Cl. B60K 17/28 (2006.01) B60K 23/00 (2006.01)**
[25] EN
[54] **A POWER TRANSMISSION SYSTEM FOR A WORK MACHINE**
[54] **SYSTEME DE TRANSMISSION DE PUISSANCE POUR UNE MACHINE DE TRAVAIL**
[72] ARUMUGHAM, SIVAKUMAR, IN
[72] NATARAJAN, SARAVANAN, IN
[72] SAINI, DEEPAK, IN
[72] ABBAAS, MOHD ALI, IN
[72] SUNDARAM, PAVITHRA, IN
[72] PRABHAKARAN, ARJUN, IN
[72] AYYASAMY, GOKILA, IN
[71] MAHINDRA AND MAHINDRA LIMITED, IN
[85] 2023-10-03
[86] 2023-03-13 (PCT/IB2023/052394)
[87] (3214350)
[30] IN (202241071698) 2022-12-12

[21] **3,237,024**
[13] A1
[51] **Int.Cl. C03C 4/08 (2006.01) C03B 1/00 (2006.01) C03B 19/02 (2006.01) C03B 25/00 (2006.01) C03C 3/087 (2006.01) C03C 3/095 (2006.01) C03C 14/00 (2006.01) C01F 17/224 (2020.01)**
[25] EN
[54] **RADIATION SHIELDING NANO-SIZED SM2O3 DOPED GLASS**
[54] **VERRE DOPE AU SM2O3 DE TAILLE NANOMETRIQUE ANTIRADIATIONS**
[72] KURTULUS, RECEP, TR
[72] KAVAS, TANER, TR
[71] GUROK HOLDING B.V., NL
[85] 2024-05-10
[86] 2022-12-14 (PCT/IB2022/062203)
[87] (3237024)

[21] **3,238,849**
[13] A1
[51] **Int.Cl. C07D 307/12 (2006.01) C07C 43/11 (2006.01) C07D 498/12 (2006.01)**
[25] EN
[54] **METHOD OF MAKING BUPRENORPHINE AND PRECURSOR COMPOUNDS THEREOF**
[54] **PROCEDE DE FABRICATION DE BUPRENORPHINE ET DES COMPOSES PRECURSEURS DE CELLE-CI**
[72] UKIS, ROSTYSLAV, DE
[72] HEYDEMULLER, HEIKE, DE
[72] BISKUP, KATHRIN, DE
[72] LIMMERT, MICHAEL, DE
[71] AREVIPHARMA GMBH, DE
[85] 2024-05-15
[86] 2022-12-15 (PCT/EP2022/086031)
[87] (WO2023/111125)
[30] EP (21215313.4) 2021-12-16

[21] **3,238,853**
[13] A1
[51] **Int.Cl. F02C 1/05 (2006.01) F02C 1/10 (2006.01)**
[25] EN
[54] **HEAT ENGINE SYSTEM**
[54] **SYSTEME DE MOTEUR THERMIQUE**
[72] OWSTON, JEREMY HENRY, GB
[71] BAE SYSTEMS PLC, GB
[85] 2024-05-15
[86] 2022-11-09 (PCT/GB2022/052828)
[87] (WO2023/084202)
[30] GB (2116434.8) 2021-11-15

[21] **3,238,854**
[13] A1
[51] **Int.Cl. B05D 3/02 (2006.01) B05D 3/06 (2006.01) B05D 5/06 (2006.01) B05D 7/14 (2006.01)**
[25] EN
[54] **METHOD FOR MANAGING COATING GLOSS ON A COIL-COATING LINE**
[54] **PROCEDE DE GESTION DU BRILLANT DE REVETEMENT SUR UNE LIGNE DE REVETEMENT DE BOBINE**
[72] FARINA, FABRICE, BE
[72] MALLEGOL, JACKY, BE
[72] SILBERBERG, ERIC, BE
[72] HANQUET, CHARLES, BE
[72] DEFIZE, THOMAS, BE
[71] ARCELORMITTAL, LU
[85] 2024-05-15
[86] 2022-12-09 (PCT/IB2022/061968)
[87] (WO2023/053107)
[30] IB (PCT/IB2021/061770) 2021-12-15

[21] **3,238,858**
[13] A1
[51] **Int.Cl. B60L 53/53 (2019.01) B60L 53/60 (2019.01) B60L 53/66 (2019.01) B60L 55/00 (2019.01) H02J 7/00 (2006.01) H02J 15/00 (2006.01)**
[25] EN
[54] **SMART POWER SUPPLY FOR ELECTRIC VEHICLE CHARGERS**
[54] **ALIMENTATION ELECTRIQUE INTELLIGENTE POUR CHARGEURS DE VEHICULES ELECTRIQUES**
[72] MOON, SUNG UB, CA
[71] MOON, SUNG UB, CA
[85] 2024-05-16
[86] 2023-08-03 (PCT/CA2023/051038)
[87] (WO2024/031179)
[30] US (63/396,822) 2022-08-10

[21] **3,238,861**
[13] A1
[51] **Int.Cl. A61K 31/136 (2006.01) A61K 31/167 (2006.01) A61K 31/223 (2006.01) A61K 31/27 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **AN ANTI-HYPOXIC/ANOXIC INJURY USE OF MAGNOLOL AND/OR HONOKIOL AROMATIC RING AMINO-SUBSTITUTED DERIVATIVE AND A PHARMACEUTICAL COMPOSITION**
[54] **UTILISATION D'UN DERIVE AMINO-SUBSTITUE DU CYCLE AROMATIQUE DE MAGNOLOL ET/OU D'HONOKIOL CONTRE UNE LESION HYPOXIQUE/ANOXIQUE ET COMPOSITION PHARMACEUTIQUE**
[72] ZHANG, PINGPING, CN
[72] LIU, YE, CN
[72] ZHANG, YUYING, CN
[71] BEIJING HONGHUI MEDITECH CO., LTD., CN
[85] 2024-05-16
[86] 2022-10-27 (PCT/CN2022/128028)
[87] (WO2023/088062)
[30] CN (202111402114.5) 2021-11-19

[21] **3,238,862**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY OF CLAUDIN 18.2 ANTAGONIST AND PD-1/PD-L1 AXIS INHIBITOR**
[54] **POLYTHERAPIE D'UN ANTAGONISTE DE CLAUDINE 18.2 ET D'UN INHIBITEUR DE L'AXE PD-1/PD-L1**
[72] QIAN, XUEMING, CN
[72] YAO, XINLAI, CN
[72] GUO, HUANHUAN, CN
[72] TENG, FEI, CN
[72] YI, WEI, CN
[71] SUZHOU TRANSCENTA THERAPEUTICS CO., LTD., CN
[71] TRANSCENTA HOLDING LIMITED, KY
[71] TRANSCENTA THERAPEUTICS, INC., US
[85] 2024-05-16
[86] 2022-11-15 (PCT/CN2022/131820)
[87] (WO2023/088221)
[30] CN (PCT/CN2021/130995) 2021-11-16
[30] CN (PCT/CN2022/125150) 2022-10-13

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/713 (2006.01) A61P 9/00 (2006.01)**
[25] EN
[54] **COMPOSITION AND METHODS FOR INHIBITING EXPRESSION OF ANGIOTENSINOGEN (AGT) PROTEIN**
[54] **COMPOSITION ET PROCEDE D'INHIBITION DE L'EXPRESSION DE LA PROTEINE ANGIOTENSINOGENE (AGT)**
[72] SHU, DONGXU, CN
[72] SHAO, PENGCHENG PATRICK, US
[71] SHANGHAI ARGO BIOPHARMACEUTICAL CO., LTD., CN
[85] 2024-05-16
[86] 2022-11-15 (PCT/CN2022/131861)
[87] (WO2023/088227)
[30] CN (PCT/CN2021/130832) 2021-11-16
[30] CN (PCT/CN2022/081578) 2022-03-18

[21] **3,238,867**
[13] A1
[51] **Int.Cl. C12N 15/864 (2006.01) A61K 48/00 (2006.01)**
[25] EN
[54] **AADC/GDNF POLYNUCLEOTIDE, AND USE THEREOF IN TREATING PARKINSON'S DISEASE**
[54] **POLYNUCLEOTIDE AADC/GDNF ET SON UTILISATION DANS LE TRAITEMENT DE LA MALADIE DE PARKINSON**
[72] JIANG, JUN, CN
[72] WU, MINGYUE, CN
[72] NING, WEI, CN
[72] LIAO, CHENG, CN
[71] SHANGHAI REGENELEAD THERAPIES CO., LTD., CN
[85] 2024-05-16
[86] 2022-11-29 (PCT/CN2022/134993)
[87] (WO2023/093905)
[30] CN (202111434384.4) 2021-11-29

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[13] A1
[51] **Int.Cl. A61K 9/19 (2006.01) A61K 39/395 (2006.01) A61P 19/10 (2006.01)**
[25] EN
[54] **ANTI-SOST ANTIBODY PHARMACEUTICAL COMPOSITION AND USE THEREOF**
[54] **COMPOSITION PHARMACEUTIQUE D'ANTICORPS ANTI-SOST ET SON UTILISATION**
[72] SHAN, SHUANG, CN
[72] TIAN, CHENMIN, CN
[71] JIANGSU HENGRUI PHARMACEUTICALS CO., LTD., CN
[71] SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD., CN
[85] 2024-05-16
[86] 2022-11-30 (PCT/CN2022/135247)
[87] (WO2023/098694)
[30] CN (202111462784.6) 2021-11-30

[21] **3,238,870**
[13] A1
[51] **Int.Cl. G01F 1/66 (2022.01) G01F 1/667 (2022.01) G01F 15/18 (2006.01)**
[25] EN
[54] **THROUGHFLOW MEASURING DEVICE HAVING A HOUSING AND MEASURING INSERT**
[54] **DISPOSITIF DE MESURE D'ECOULEMENT COMPORTANT UN BOITIER ET INSERT DE MESURE**
[72] STUREK, ROBERT, DE
[72] MOSSNER, JOHANNES, DE
[71] LANDIS+GYR GMBH, DE
[85] 2024-05-16
[86] 2022-11-17 (PCT/EP2022/082309)
[87] (WO2023/089048)
[30] EP (21208708.4) 2021-11-17

[21] **3,238,889**
[13] A1
[51] **Int.Cl. A47G 29/14 (2006.01) G06Q 10/08 (2023.01)**
[25] EN
[54] **RECEPTACLE HOLDER AND ASSOCIATED METHOD, COMPUTER PROGRAM AND COMPUTER PROGRAM PRODUCT**
[54] **SUPPORT DE RECIPIENT ET PROCEDE ASSOCIE, PROGRAMME D'ORDINATEUR ET PRODUIT PROGRAMME D'ORDINATEUR**
[72] EINBERG, FREDRIK, SE
[72] NIEGMANN, KAJ, SE
[71] ASSA ABLOY AB, SE
[85] 2024-05-16
[86] 2022-11-18 (PCT/EP2022/082434)
[87] (WO2023/094279)
[30] SE (2151450-0) 2021-11-29

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[13] A1
[51] **Int.Cl. H02G 1/02 (2006.01) B64U 10/13 (2023.01) B64C 39/02 (2023.01) B64D 45/02 (2006.01) G01R 1/04 (2006.01) G01R 1/18 (2006.01)**
[25] EN
[54] **DRONE PROTECTION AGAINST HIGH-VOLTAGE ELECTRICAL DISCHARGES AND CORONA EFFECT**
[54] **PROTECTION DE DRONE CONTRE LES DECHARGES ELECTRIQUES A HAUTE TENSION ET L'EFFET CORONA**
[72] LIBERT, THIBAUT, BE
[72] MITCAN, DANIEL, NL
[72] DASNOY, THIBAULT, BE
[71] AMPACIMON SA, BE
[85] 2024-05-16
[86] 2022-11-25 (PCT/EP2022/083268)
[87] (WO2023/094587)
[30] EP (21210961.5) 2021-11-29

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[13] A1
[51] **Int.Cl. B02C 1/04 (2006.01) E02F 3/407 (2006.01) E02F 3/96 (2006.01)**
[25] EN
[54] **CRUSHER BUCKET**
[54] **GODET CONCASSEUR**
[72] AZZOLIN, DIEGO, IT
[72] AZZOLIN, GUIDO, IT
[71] MECCANICA BREGANZESE S.P.A. IN BREVE MB S.P.A., IT
[85] 2024-05-16
[86] 2022-09-29 (PCT/IB2022/059278)
[87] (WO2023/089389)
[30] IT (102021000029111) 2021-11-17

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[13] A1
[51] **Int.Cl. A61F 2/44 (2006.01) A61B 34/10 (2016.01) A61F 2/30 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR REDUCING HUMAN VERTEBRAL BODY SUBSIDENCE USING VARIABLE SURFACE AREA INTERBODY CAGES CORRELATED TO LOCALIZED BONE DENSITY MEASUREMENTS**
[54] **PROCEDE ET APPAREIL POUR REDUIRE L'AFFAISSEMENT DU CORPS VERTEBRAL HUMAIN FAISANT APPEL A DES CAGES INTERSOMATIQUES A SURFACE VARIABLE CORRELEES A DES MESURES DE DENSITE OSSEUSE LOCALISEE**
[72] DAVIDSON, JOHN R., US
[72] COWAN, BRYAN M., US
[72] FORTON, CHARLES R., US
[72] VALDEVIT, ANTONIO D., US
[71] ACUITY SURGICAL DEVICES LLC, US
[85] 2024-05-16
[86] 2022-11-10 (PCT/US2022/049515)
[87] (WO2023/091346)
[30] US (63/280,246) 2021-11-17

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[13] A1
[51] **Int.Cl. A01K 11/00 (2006.01) A01K 29/00 (2006.01) G08B 21/00 (2006.01)**
[25] EN
[54] **COMPUTERIZED SYSTEMS AND METHODS FOR LIVESTOCK MANAGEMENT**
[54] **SYSTEMES ET PROCEDES INFORMATISES DE GESTION DU BETAIL**
[72] RETTEDAL, NICHOLAS P., US
[72] DASUKE, MATHEUS, US
[71] ST REPRODUCTIVE TECHNOLOGIES, LLC, US
[85] 2024-05-16
[86] 2022-11-15 (PCT/US2022/049963)
[87] (WO2023/091411)
[30] US (17/455,790) 2021-11-19

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[13] A1
[51] **Int.Cl. A61K 31/40 (2006.01) A61K 31/4155 (2006.01) A61K 31/4196 (2006.01) A61K 31/506 (2006.01) A61K 31/519 (2006.01) A61K 31/5685 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **LASOFOXIFENE TREATMENT OF AROMATASE-RESISTANT ER+ CANCER**
[54] **TRAITEMENT AU LASOFOXIFENE D'UN CANCER ER+ POSITIF RESISTANT A L'AROMATASE**
[72] KOMM, BARRY SAMUEL, US
[72] GREENE, GEOFFREY L., US
[71] SERMONIX PHARMACEUTICALS, INC., US
[85] 2024-05-16
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[87] (WO2023/091553)
[30] US (63/280,769) 2021-11-18

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[51] **Int.Cl. C12N 5/0783 (2010.01) A61K 35/17 (2015.01)**
[25] EN
[54] **FEEDER FREE CELL CULTURE METHODS FOR EXPANDING NATURAL KILLER CELL PREPARATIONS**
[54] **PROCEDES DE CULTURE CELLULAIRE SANS NOURRISSEUR POUR MULTIPLIER LES PREPARATIONS DE CELLULES TUEUSES NATURELLES**
[72] SNOWDEN, ANDREW W., US
[72] ZAMANI, ALI, US
[71] JANSSEN BIOTECH, INC., US
[85] 2024-05-16
[86] 2022-11-18 (PCT/IB2022/061155)
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[30] US (63/281,002) 2021-11-18

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[51] **Int.Cl. A61B 34/37 (2016.01) A61B 34/00 (2016.01) A61B 34/20 (2016.01) A61B 90/90 (2016.01) A61F 9/007 (2006.01)**
[25] EN
[54] **FORCE FEEDBACK FOR ROBOTIC MICROSURGICAL PROCEDURES**
[54] **RETROACTION DE FORCE POUR INTERVENTIONS MICROCHIRURGICALES ROBOTIQUES**
[72] GOLAN, YOAV, IL
[72] BEN ZEEV, ORI, IL
[72] KORMAN, TAL, IL
[72] GLOZMAN, DANIEL, IL
[71] FORSIGHT ROBOTICS LTD., IL
[85] 2024-05-16
[86] 2022-12-01 (PCT/IB2022/061636)
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[54] **METHOD FOR MEASURING THE THICKNESS OF A VARNISH LAYER**
[54] **PROCEDE DE MESURE D'EPAISSEUR DE COUCHE DE VERNIS**
[72] LABBE, NATHALIE, FR
[72] HAM, SHU HUI, FR
[72] LE NOC, GWENAEL, FR
[72] LEVERONE, PAULINE, FR
[72] LEBACQ, JEAN-PIERRE, FR
[71] ARCELORMITTAL, LU
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[86] 2022-12-07 (PCT/IB2022/061875)
[87] (WO2023/105435)
[30] IB (PCT/IB2021/061501) 2021-12-09

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[51] **Int.Cl. F24S 25/50 (2018.01) H02S 20/30 (2014.01) F24S 20/70 (2018.01) H01L 31/04 (2014.01)**
[25] EN
[54] **A CABLE SUPPORTED MOBILE SOLAR PANEL ARRAY APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE RESEAU DE PANNEAUX SOLAIRES MOBILES SUPPORTES PAR DES CABLES**
[72] DOR, EREZ, IL
[71] DOR, EREZ, IL
[85] 2024-05-16
[86] 2022-12-04 (PCT/IL2022/051287)
[87] (WO2023/105515)
[30] US (63/286,125) 2021-12-06
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[25] EN
[54] **PEPTIDE HAVING AFFINITY FOR HUMAN TRANSFERRIN RECEPTOR**
[54] **PEPTIDE AYANT UNE AFFINITE POUR LE RECEPTEUR DE LA TRANSFERRINE HUMAINE**
[72] ONOUCHI TAKASHI, JP
[72] TAKAHASHI, KENICHI, JP
[71] JCR PHARMACEUTICALS CO., LTD., JP
[85] 2024-05-16
[86] 2022-11-18 (PCT/JP2022/042785)
[87] (WO2023/090409)
[30] JP (2021-189037) 2021-11-19
[30] JP (2022-023656) 2022-02-18
[30] JP (2022-043509) 2022-03-18

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[25] EN
[54] **PHARMACEUTICAL COMPOSITION AND HEALTH FUNCTIONAL FOOD FOR CANCER PREVENTION OR TREATMENT OF CANCER COMPRISENG MIXED HERBAL EXTRACT**
[54] **COMPOSITION PHARMACEUTIQUE ET ALIMENT FONCTIONNEL DE SANTE POUR LA PREVENTION OU LE TRAITEMENT DU CANCER, COMPRENANT UN EXTRAIT DE MEDICAMENT A BASE D'HERBES MIXTES**
[72] PARK, JONG MIN, KR
[71] H&O BIOSIS CO., LTD., KR
[85] 2024-05-16
[86] 2022-11-17 (PCT/KR2022/018161)
[87] (WO2023/090881)
[30] KR (10-2021-0158287) 2021-11-17

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[51] **Int.Cl. H01M 10/058 (2010.01) H01M 10/052 (2010.01) H01M 10/0583 (2010.01) H01M 4/04 (2006.01) H01M 10/44 (2006.01)**
[25] EN
[54] **METHOD FOR ACTIVATING LITHIUM SECONDARY BATTERY**
[54] **PROCEDE D'ACTIVATION D'UNE BATTERIE SECONDAIRE AU LITHIUM**
[72] LEE, HAN JIN, KR
[72] YEO, CHANG SIN, KR
[72] CHOI, YOUNG SANG, KR
[72] JEONG, YEON WOO, KR
[72] HAM, SEOK WON, KR
[72] JANG, MIN YOUNG, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-16
[86] 2023-08-21 (PCT/KR2023/012325)
[87] (WO2024/043636)
[30] KR (10-2022-0105424) 2022-08-23
[30] KR (10-2023-0107553) 2023-08-17

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[51] **Int.Cl. D04H 1/4218 (2012.01) D04H 1/488 (2012.01) D04H 3/004 (2012.01) D04H 3/105 (2012.01) D04H 1/46 (2012.01)**
[25] EN
[54] **DUCT WRAP INSULATION**
[54] **ISOLATION D'ENVELOPPE DE CONDUIT**
[72] RINNE, JAMES W., US
[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
[85] 2024-05-15
[86] 2022-11-15 (PCT/US2022/049879)
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[30] US (63/279,627) 2021-11-15

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[51] **Int.Cl. C08J 9/14 (2006.01) B29C 48/00 (2019.01)**
[25] EN
[54] **BLOWING AGENTS FOR EXTRUDED POLYSTYRENE FOAM AND EXTRUDED POLYSTYRENE FOAM AND METHODS OF FOAMING**
[54] **AGENTS GONFLANTS POUR MOUSSE DE POLYSTYRENE EXTRUDE ET MOUSSE DE POLYSTYRENE EXTRUDE ET PROCEDES DE MOUSSAGE**
[72] GIMENO, JOSEP, US
[72] HULSE, RYAN, US
[72] MAHMOOD, SYED HASSAN, US
[71] HONEYWELL INTERNATIONAL INC., US
[85] 2024-05-15
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[51] **Int.Cl. C12N 1/19 (2006.01) C12N 1/16 (2006.01) C12N 15/09 (2006.01) C12N 15/11 (2006.01) C12N 15/81 (2006.01)**
[25] EN
[54] **A GENETIC FACTOR TO INCREASE EXPRESSION OF RECOMBINANT PROTEINS**
[54] **FACTEUR GENETIQUE POUR AUGMENTER L'EXPRESSION DE PROTEINES RECOMBINANTES**
[72] ROY CHAUDHURI, BISWAJOY, US
[72] BALATSKAYA, SVETLANA, US
[72] HOYT, MARTIN ANDREW, US
[71] IMPOSSIBLE FOODS INC., US
[85] 2024-05-15
[86] 2022-12-15 (PCT/US2022/053003)
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[51] **Int.Cl. F17C 6/00 (2006.01)**
[25] EN
[54] **METHOD OF OPERATING A COLD CRYOGENIC LIQUID SUPPLY CHAIN**
[54] **PROCEDE DE FONCTIONNEMENT D'UNE CHAINE D'ALIMENTATION EN LIQUIDE CRYOGENIQUE FROID**
[72] LIGHT, JOSHUA, US
[72] HAYES, JERRY, US
[72] ALLIDIERES, LAURENT, US
[72] FAYER, THOMAS, US
[72] BENISTAND-HECTOR, CYRIL, US
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[85] 2024-05-15
[86] 2022-11-22 (PCT/US2022/050807)
[87] (WO2023/091800)
[30] US (63/282,115) 2021-11-22
[30] US (63/283,120) 2021-11-24

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[25] EN
[54] **REINFORCING FIBERS, METHOD FOR PRODUCING SAME, AND ELASTOMER PRODUCT USING REINFORCING FIBERS**
[54] **FIBRES DE RENFORCEMENT AINSI QUE PROCEDE DE FABRICATION DE CELLES-CI, ET ARTICLE EN ELASTOMERE METTANT EN □UVRE CES FIBRES DE RENFORCEMENT**
[72] ASADA, TORU, JP
[72] ISHIDA, EIICHI, JP
[72] WASHITAKE, YOSUKE, JP
[71] KURARAY CO., LTD., JP
[85] 2024-05-15
[86] 2022-11-11 (PCT/JP2022/042147)
[87] (WO2023/085412)
[30] JP (2021-185934) 2021-11-15

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[51] **Int.Cl. D06M 15/693 (2006.01) B60C 9/00 (2006.01) C09J 11/06 (2006.01) C09J 109/00 (2006.01) D06M 13/17 (2006.01) D06M 13/395 (2006.01) D06M 15/55 (2006.01)**
[25] EN
[54] **AQUEOUS ADHESIVE, REINFORCEMENT FIBERS USING SAME, AND ELASTOMER PRODUCT USING REINFORCEMENT FIBERS**
[54] **ADHESIF AQUEUX, FIBRES DE RENFORCEMENT METTANT EN □UVRE CELUI-CI, ET ARTICLE EN ELASTOMERE METTANT EN □UVRE CES FIBRES DE RENFORCEMENT**
[72] ASADA, TORU, JP
[72] ISHIDA, EIICHI, JP
[72] WASHITAKE, YOSUKE, JP
[71] KURARAY CO., LTD., JP
[85] 2024-05-15
[86] 2022-11-11 (PCT/JP2022/042148)
[87] (WO2023/085413)
[30] JP (2021-185938) 2021-11-15

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[51] **Int.Cl. A61K 31/33 (2006.01) A61K 31/395 (2006.01) A61K 31/407 (2006.01) A61K 31/4162 (2006.01)**
[25] EN
[54] **FORMULATIONS OF PYRROLOPYRIDINE-ANILINE COMPOUNDS**
[54] **FORMULATIONS DE COMPOSES DE PYRROLOPYRIDINE-ANILINE**
[72] POWALA, CHRISTOPHER, US
[72] MOREFIELD, ELAINE, US
[72] EVANS, CHARLES RODNEY GREENAWAY, GB
[72] STEVENSON, CAMERON ROBERT, GB
[72] BRADY, BRENDAN PHILIP, GB
[71] NFLECTION THERAPEUTICS, INC., US
[85] 2024-05-16
[86] 2022-11-22 (PCT/US2022/050794)
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[30] US (63/282,395) 2021-11-23

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[51] **Int.Cl. B01D 35/30 (2006.01) B01D 35/02 (2006.01) C02F 1/00 (2006.01) C02F 1/40 (2006.01)**
[25] EN
[54] **PORTABLE FLUID FILTERING APPARATUS**
[54] **APPAREIL DE FILTRATION DE FLUIDE PORTATIF**
[72] ERLICH, GUY, US
[72] KUNWAR, SETHI, US
[72] MORALES, TIMOTHY, US
[72] LORYS, THOMAS, US
[72] CAMISI, DANIEL, US
[72] ELLIOTT, CURTIS, US
[71] WATER TECH, LLC, US
[85] 2024-05-16
[86] 2022-11-21 (PCT/US2022/080248)
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[30] US (63/281,351) 2021-11-19

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01) A61P 37/04 (2006.01) C07K 14/54 (2006.01) C07K 14/715 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **B7-H4 ANTIBODIES AND ANTI-B7-H4 ANTIBODY/IL-15 FUSION PROTEINS**
[54] **ANTICORPS B7-H4 ET PROTEINES DE FUSION D'ANTICORPS ANTI-B7-H4/IL-15**
[72] LU, DAN, US
[72] PATEL, JEEGAR P., US
[72] CHANG, TSU-PEI, US
[72] POLONSKAYA, ZHANNA, US
[72] MIYARA, FAICAL, US
[71] KADMON CORPORATION, LLC, US
[85] 2024-05-16
[86] 2022-11-29 (PCT/US2022/080542)
[87] (WO2023/102367)
[30] US (63/284,937) 2021-12-01

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[51] **Int.Cl. B66C 1/62 (2006.01) B23P 11/00 (2006.01) B66C 1/68 (2006.01) B66F 9/18 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INSTALLING INSULATED METAL PANELS**
[54] **SYSTEME ET PROCEDE D'INSTALLATION DE PANNEAUX METALLIQUES ISOLES**
[72] BARLOW, JAMES, US
[72] HARKER, JAMES, US
[71] INNOVATECH SYSTEMS, LLC, US
[85] 2024-05-16
[86] 2022-12-22 (PCT/US2022/082216)
[87] (WO2023/122715)
[30] US (63/292,787) 2021-12-22

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) C07K 16/08 (2006.01) C07K 16/34 (2006.01)**
[25] EN
[54] **WNT RECEPTOR-SPECIFIC COMPOUND AND METHOD RELATING THERETO**
[54] **COMPOSE SPECIFIQUE D'UN RECEPTEUR WNT ET METHODE ASSOCIEE**
[72] CHEN, HUI, US
[72] LEE, SUNGJIN, US
[72] LI, YANG, US
[72] YEH, WEN-CHEN, US
[71] SURROZEN OPERATING, INC., US
[85] 2024-05-16
[86] 2022-12-30 (PCT/US2022/082601)
[87] (WO2023/130055)
[30] US (63/295,805) 2021-12-31
[30] US (63/298,570) 2022-01-11
[30] US (63/398,754) 2022-08-17

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[25] EN
[54] **WHIPSTOCK WITH DETACHABLE WHIPFACE AND SEALING CAPABILITIES FOR MULTILATERAL SYSTEMS**
[54] **SIFFLET DEVIATEUR A FACE DE DEVIATION AMOVIBLE ET A CAPACITES D'ETANCHEITE POUR SYSTEMES MULTILATERAUX**
[72] RODRIGUEZ, FRANKLIN, NO
[72] SANTIN, YOANN, GB
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2024-05-16
[86] 2023-01-18 (PCT/US2023/010985)
[87] (WO2023/141117)
[30] US (63/300,539) 2022-01-18
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[51] **Int.Cl. C07D 239/48 (2006.01) A61K 31/505 (2006.01) A61P 35/00 (2006.01) C07D 405/12 (2006.01)**
[25] EN
[54] **AMINOHETEROARYL KINASE INHIBITORS**
[54] **INHIBITEURS AMINOHETEROARYLES DE KINASE**
[72] CHENG, DAI, CN
[72] DING, QIANG, CN
[72] ZHANG, TAO, CN
[71] ALLORION THERAPEUTICS INC, US
[85] 2024-05-17
[86] 2022-11-23 (PCT/CN2022/133770)
[87] (WO2023/093769)
[30] CN (PCT/CN2021/133429) 2021-11-26

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[51] **Int.Cl. C02F 11/08 (2006.01) C02F 1/72 (2006.01) C02F 11/18 (2006.01)**
[25] EN
[54] **MONITORING SCHEME AND METHOD OF CORROSION AND FOULING REDUCTION FOR SCWO SYSTEM**
[54] **SCHEMA DE SURVEILLANCE ET PROCEDE DE REDUCTION DE CORROSION ET D'ENCRASSEMENT POUR SYSTEME DE SCWO**
[72] NAGAR, YAACOV, US
[72] BALLENGHIEN, DAVID, US
[72] DESHUSSES, MARC, US
[72] HARIF, HAMUTAL, US
[71] 374WATER INC., US
[85] 2024-05-17
[86] 2022-11-29 (PCT/US2022/051278)
[87] (WO2023/101984)
[30] US (63/284,470) 2021-11-30
[30] US (63/284,474) 2021-11-30

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[51] **Int.Cl. E01C 1/00 (2006.01)**
[25] EN
[54] **FILM TUNNEL FOR ROADWAYS**
[54] **TUNNEL EN FEUILLES POUR VOIES DE CIRCULATION**
[72] KRALER, ANDREAS, AT
[72] ROITHMAYR, ROBERT, AT
[71] ENERGY MEMBRANE GMBH, AT
[85] 2024-05-15
[86] 2022-10-27 (PCT/AT2022/060373)
[87] (WO2023/070143)
[30] AT (A 50860/2021) 2021-10-29

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[13] A1
[51] **Int.Cl. A24F 40/46 (2020.01) A24F 40/10 (2020.01) A24F 40/42 (2020.01) A24F 40/485 (2020.01) A24F 40/53 (2020.01) A24F 40/70 (2020.01) B29C 45/14 (2006.01) H05B 3/14 (2006.01)**
[25] EN
[54] **POROUS CERAMIC HEATER AND LIQUID CARTRIDGE COMPRISING SAME**
[54] **DISPOSITIF DE CHAUFFAGE EN CERAMIQUE POREUSE, ET CARTOUCHE DE LIQUIDE COMPRENANT CELUI-CI**
[72] KWON, SU-IL, KR
[71] INNO-IT CO., LTD., KR
[85] 2024-05-17
[86] 2022-11-25 (PCT/KR2022/018907)
[87] (WO2023/096430)
[30] KR (10-2021-0164221) 2021-11-25

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[13] A1
[51] **Int.Cl. G01N 27/333 (2006.01) A61B 5/145 (2006.01) G01N 27/26 (2006.01) G01N 27/30 (2006.01) G01N 27/327 (2006.01)**
[25] EN
[54] **POTASSIUM SENSOR MEMBRANE COMPOSITION**
[54] **COMPOSITION DE MEMBRANE DE CAPTEUR DE POTASSIUM**
[72] RANAMUKHAARACHCHI, SAHAN, AU
[72] CADARSO BUSTO, VICTOR JAVIER, AU
[72] DERVISEVIC, ESMA, AU
[72] SHIOHARA, AMANE, AU
[72] ANDERSON, RYAN E., US
[71] PROTON INTELLIGENCE INC., CA
[85] 2024-05-16
[86] 2022-12-15 (PCT/US2022/052927)
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[30] US (63/291,804) 2021-12-20

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[51] **Int.Cl. G01N 27/02 (2006.01) C21B 13/00 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING THE CONTENT OF AT LEAST METALLIC IRON IN SPONGE IRON - OR A SAMPLE THEREOF - THAT IS PRODUCED BY DIRECT REDUCTION FROM IRON ORE**
[54] **PROCEDE DE DETERMINATION DE LA TENEUR EN FER METALLIQUE, AU MOINS, DE MINERAI DE FER PREREDUIT OU D'UN ECHANTILLON DE CELUI-CI, PRODUIT PAR REDUCTION DIRECTE DE MINERAI DE FER**
[72] SCHUSTER, STEFAN, AT
[72] SCHEIBLHOFER, STEFAN, AT
[72] GSTOTTENBAUER, NORBERT, AT
[72] WOCKINGER, DANIEL, AT
[72] HARRIS, CHRISTOPHER, AT
[72] AMRHEIN, WOLFGANG, AT
[72] THALER, CHRISTOPH, AT
[72] PICHLER, ANTON, AT
[72] GRIESSER, ANNA SONJA, AT
[72] MAUHART, JOACHIM, AT
[72] FEILMAYR, CHRISTOPH, AT
[72] GANGL, ERFRIED, AT
[71] VOESTALPINE STAHL GMBH, AT
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[87] (WO2023/084128)
[30] EP (21208339.8) 2021-11-15

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[13] A1
[51] **Int.Cl. A61M 13/00 (2006.01) A61M 16/00 (2006.01) A61M 16/08 (2006.01) A61M 16/10 (2006.01) A61M 16/16 (2006.01)**
[25] EN
[54] **MOISTURE DETECTION AND MANAGEMENT IN A GASES SUPPLY SYSTEM**
[54] **DETECTION ET GESTION D'HUMIDITE DANS UN SYSTEME D'ALIMENTATION EN GAZ**
[72] SEEKUP, PETER ALAN, NZ
[72] STOKS, ELMO BENSON, NZ
[72] AU, EUGENA MING-YEE, NZ
[72] DEVERICK, ERIC, NZ
[72] LIU, PO-YEN, NZ
[72] TENG, IVAN CHIH-FAN, NZ
[72] BUDHIRAJA, NIMANSHA, NZ
[72] RAZALI, NAEEM BIN, NZ
[72] GEMMELL, LUKE MORGAN, NZ
[72] SUROWIEZ, REE ISAAC, NZ
[71] FISHER & PAYKEL HEALTHCARE LTD, NZ
[85] 2024-05-15
[86] 2022-11-15 (PCT/IB2022/060952)
[87] (WO2023/084492)
[30] US (63/264,088) 2021-11-15

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[13] A1
[51] **Int.Cl. F17C 13/08 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DISPENSING OF GAS FROM GAS CYLINDERS**
[54] **SYSTEMES ET PROCEDES DE DISTRIBUTION DE GAZ A PARTIR DE BOUTEILLES DE GAZ**
[72] KOONCE, MICHAEL, US
[72] ANDERSON, PETER, US
[72] LAUER, DANIEL, US
[72] BUTTRESS, DAVID, US
[72] BISHOP, DONALD, US
[71] BAYOTECH, INC., US
[85] 2024-05-16
[86] 2021-11-16 (PCT/US2021/059556)
[87] (WO2023/091126)

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[13] A1
[51] **Int.Cl. B60J 7/14 (2006.01) B60J 7/00 (2006.01) B60J 7/12 (2006.01) B60P 7/02 (2006.01) B60R 16/02 (2006.01) B60R 16/023 (2006.01) B60R 16/027 (2006.01) B60R 16/03 (2006.01)**
[25] EN
[54] **WIRE MANAGEMENT SYSTEM FOR TONNEAU COVER**
[54] **SYSTEME DE GESTION DE FIL POUR COUVRE-BAGAGES**
[72] LOUDON, JONATHAN, CA
[72] MACDONALD, JASON, CA
[72] ASIS, NATHAN, CA
[72] ROSSI, STEVEN, CA
[71] WORKSPORT LTD., CA
[85] 2024-05-16
[86] 2022-11-16 (PCT/US2022/050102)
[87] (WO2023/091483)
[30] US (63/280,235) 2021-11-17

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[13] A1
[51] **Int.Cl. A61C 17/22 (2006.01) A61C 17/32 (2006.01) A61C 17/34 (2006.01)**
[25] EN
[54] **A DENTAL CLEANING SYSTEM**
[54] **SYSTEME DE NETTOYAGE DENTAIRE**
[72] BAKKER-VAN DER KAMP, GERTRUDE RIETTE, NL
[72] BOERSMA, JOLDERT MARIA, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2024-05-17
[86] 2022-11-03 (PCT/EP2022/080613)
[87] (WO2023/088683)
[30] US (63/282,065) 2021-11-22

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[13] A1
[51] **Int.Cl. E04B 9/12 (2006.01) E04B 9/24 (2006.01)**
[25] EN
[54] **SUSPENDED DRYWALL CEILING GRID SYSTEM SUPPORT MEMBERS**
[54] **ELEMENTS DE SUPPORT DE SYSTEME D'OSSATURE DE PLAFOND SUSPENDU POUR CLOISON SECHE**
[72] JANKOVEC, SCOTT G., DK
[71] ROCKWOOL A/S, DK
[85] 2024-05-17
[86] 2022-11-22 (PCT/EP2022/082734)
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[30] US (17/533,755) 2021-11-23

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[13] A1
[51] **Int.Cl. C12N 5/0775 (2010.01)**
[25] EN
[54] **CELL POPULATION COMPRISING MESENCHYMAL STEM CELLS, CELL SHEET, AND METHOD FOR PRODUCING A CELL SHEET**
[54] **POPULATION DE CELLULES COMPRENANT DES CELLULES SOUCHES MESENCHYMATEUSES, FEUILLET CELLULAIRE ET PROCEDE DE PRODUCTION DE FEUILLET CELLULAIRE**
[72] IWATA, TAKANORI, JP
[72] ONIZUKA, SATORU, JP
[71] NATIONAL UNIVERSITY CORPORATION TOKYO MEDICAL AND DENTAL UNIVERSITY, JP
[85] 2024-05-17
[86] 2022-11-16 (PCT/JP2022/042503)
[87] (WO2023/090346)
[30] JP (2021-188216) 2021-11-18

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[13] A1
[51] **Int.Cl. G01N 33/574 (2006.01) C12Q 1/6804 (2018.01) C12Q 1/6886 (2018.01) G01N 33/543 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR DETECTION OF OVARIAN CANCER**
[54] **COMPOSITIONS ET METHODES DE DETECTION DE CANCER DE L'OVAIRE**
[72] SEDLAK, JOSEPH CHARLES, US
[72] BORTOLIN, LAURA TERESA, US
[72] SALEM, DANIEL PARKER, US
[72] WINN-DEEN, EMILY SUSAN, US
[72] GUSENLEITNER, DANIEL, US
[72] BIETTE, KELLY, US
[72] HUANG, ERIC K., US
[72] COUVILLON, ANTHONY DAVID, US
[71] MERCY BIOANALYTICS, INC., US
[85] 2024-05-17
[86] 2022-11-17 (PCT/US2022/050327)
[87] (WO2023/091618)
[30] US (63/280,603) 2021-11-17
[30] US (63/328,250) 2022-04-06
[30] US (63/417,309) 2022-10-18

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[13] A1
[51] **Int.Cl. A61M 1/28 (2006.01) A61M 1/16 (2006.01) A61M 1/36 (2006.01)**
[25] EN
[54] **PERITONEAL DIALYSIS PRESSURE SENSING SYSTEMS AND METHODS FOR AIR DETECTION AND ULTRAFILTRATION MANAGEMENT**
[54] **SYSTEMES DE DETECTION DE PRESSION DE DIALYSE PERITONEALE ET PROCEDES DE DETECTION D'AIR ET DE GESTION D'ULTRAFILTRATION**
[72] FALLMAN, OSKAR ERIK FRODE STYRBJORN, SE
[72] PETTERSSON, MICHAEL, SE
[72] HANSSON, JIMMIE MARCUS AXEL, SE
[71] BAXTER INTERNATIONAL INC., US
[71] BAXTER HEALTHCARE SA, CH
[85] 2024-05-17
[86] 2022-11-10 (PCT/US2022/079653)
[87] (WO2023/097147)
[30] US (63/283,019) 2021-11-24
[30] US (63/356,332) 2022-06-28

[21] **3,239,005**
[13] A1
[51] **Int.Cl. C08K 3/32 (2006.01) C08K 5/5317 (2006.01)**
[25] EN
[54] **FLAME RETARDANT AND SYNERGIST COMBINED FOR USE WITH THERMOPLASTICS**
[54] **AGENT IGNIFUGE ET SYNERGISTE COMBINES POUR UNE UTILISATION AVEC DES THERMOPLASTIQUES**
[72] HE, QINGLIANG, US
[72] JACOBS, PATRICK, BE
[71] LANXESS CORPORATION, US
[85] 2024-05-17
[86] 2022-11-16 (PCT/US2022/050062)
[87] (WO2023/096795)
[30] US (63/283,360) 2021-11-26

[21] **3,239,036**
[13] A1
[51] **Int.Cl. A24C 5/02 (2006.01) A24C 5/39 (2006.01) A24C 1/02 (2006.01) A24C 5/34 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AN AUTOMATIC FILLING MACHINE**
[54] **SYSTEMES ET PROCEDES POUR UNE MACHINE DE REMPLISSAGE AUTOMATIQUE**
[72] DISHION, JOHN, US
[72] SATNICK, JASON, US
[72] SANTOS, ROBERTO, US
[72] SENEVIRATHNE, HASALA, US
[72] DAWLEY, CHRISTOPHER, US
[72] CHANDLER, BRYAN, US
[72] RIVERA, SERGIO, US
[71] COASTAL COUNTING & INDUSTRIAL SCALE COMPANY, INC., US
[71] DISHION, JOHN, US
[71] SATNICK, JASON, US
[71] SANTOS, ROBERTO, US
[71] SENEVIRATHNE, HASALA, US
[71] DAWLEY, CHRISTOPHER, US
[71] CHANDLER, BRYAN, US
[71] RIVERA, SERGIO, US
[85] 2024-05-10
[86] 2022-11-14 (PCT/US2022/049856)
[87] (WO2023/086646)
[30] US (63/278,592) 2021-11-12

[21] **3,239,073**
[13] A1
[51] **Int.Cl. C10G 1/00 (2006.01) C10G 3/00 (2006.01) C10G 45/44 (2006.01) C10G 45/58 (2006.01) C10G 65/04 (2006.01) C10G 65/08 (2006.01) C10G 65/14 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING A LIQUID HYDROCARBON FROM RENEWABLE SOURCES**
[54] **PROCEDE DE PRODUCTION D'UN HYDROCARBURE LIQUIDE A PARTIR DE SOURCES RENOUVELABLES**
[72] VAN DIJK, NICOLAAS, NL
[72] DE DEUGD, RONALD MARTIJN, NL
[72] CREYGHTON, EDWARD JULIUS, NL
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2024-05-17
[86] 2022-11-30 (PCT/US2022/080611)
[87] (WO2023/107834)
[30] EP (21212771.6) 2021-12-07

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[13] A1
[51] **Int.Cl. E21B 7/06 (2006.01) E21B 7/04 (2006.01) E21B 34/10 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **TWO-PART DRILLING AND RUNNING TOOL**
[54] **OUTIL DE FORAGE ET DE POSE EN DEUX PARTIES**
[72] LAJESIC, BORISA, NO
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2024-05-17
[86] 2022-12-20 (PCT/US2022/081990)
[87] (WO2023/158516)
[30] US (63/311,493) 2022-02-18
[30] US (18/083,826) 2022-12-19

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[13] A1
[51] **Int.Cl. A61M 1/28 (2006.01)**
[25] EN
[54] **PERITONEAL DIALYSIS SYSTEM HAVING AIR-AIDED PUMPING SEQUENCES**
[54] **SYSTEME DE DIALYSE PERITONEALE AYANT DES SEQUENCES DE POMPAGE ASSISTEES PAR AIR**
[72] FALLMAN, OSKAR ERIK FRODE STYRBJORN, SE
[72] ERICSON, BJORN, SE
[72] JANSSON, OLOF CHRISTER, SE
[71] BAXTER INTERNATIONAL INC., US
[71] BAXTER HEALTHCARE SA, CH
[85] 2024-05-17
[86] 2022-12-28 (PCT/US2022/082450)
[87] (WO2023/129943)
[30] US (63/294,259) 2021-12-28

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[13] A1
[51] **Int.Cl. A61C 17/22 (2006.01) A46B 9/04 (2006.01)**
[25] EN
[54] **ALTERNATING FINGER IN AN ARCH OF A BRUSHING MOUTHPIECE**
[54] **LANGUETTE ALTERNEE DANS L'ARCADE D'UNE GOUTTIERE DE BROSSAGE DES DENTS**
[72] HALL, SCOTT E., NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2024-05-17
[86] 2022-11-22 (PCT/EP2022/082838)
[87] (WO2023/089201)
[30] US (63/282,044) 2021-11-22

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[13] A1
[51] **Int.Cl. A61M 15/08 (2006.01) A61M 11/00 (2006.01)**
[25] EN
[54] **DEVICE FOR DISPENSING A FLUID PRODUCT**
[54] **DISPOSITIF DE DISTRIBUTION DE PRODUIT FLUIDE**
[72] BAILLET, MATTHIEU, FR
[71] APTAR FRANCE SAS, FR
[85] 2024-05-17
[86] 2022-11-22 (PCT/FR2022/052150)
[87] (WO2023/094760)
[30] FR (FR2112457) 2021-11-24

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[13] A1
[51] **Int.Cl. B25J 9/16 (2006.01)**
[25] EN
[54] **MACHINE LEARNING LOGIC-BASED ADJUSTMENT TECHNIQUES FOR ROBOTS**
[54] **TECHNIQUES DE REGLAGE A BASE DE LOGIQUE D'APPRENTISSAGE MACHINE POUR ROBOTS**
[72] LONSBERRY, ALEXANDER, US
[72] LONSBERRY, ANDREW, US
[72] AJAM GARD, NIMA, US
[72] VASU, MADHAVUN CANDADAI, US
[72] SCHWENKER, ERIC, US
[71] PATH ROBOTICS, INC., US
[85] 2024-05-17
[86] 2022-11-17 (PCT/IB2022/061107)
[87] (WO2023/089536)
[30] US (63/281,573) 2021-11-19

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[13] A1
[51] **Int.Cl. C07D 213/36 (2006.01) A61K 31/44 (2006.01) A61K 31/4427 (2006.01) A61K 31/443 (2006.01) A61K 31/4433 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61K 31/497 (2006.01) A61K 31/505 (2006.01) A61K 31/506 (2006.01) A61P 25/04 (2006.01) A61P 25/06 (2006.01) A61P 25/08 (2006.01) A61P 25/18 (2006.01) A61P 25/20 (2006.01) A61P 25/22 (2006.01) A61P 25/24 (2006.01) A61P 25/28 (2006.01) C07D 213/56 (2006.01) C07D 213/64 (2006.01) C07D 213/84 (2006.01) C07D 401/04 (2006.01) C07D 401/12 (2006.01) C07D 405/12 (2006.01) C07D 405/14 (2006.01) C07D 413/04 (2006.01) C07D 493/08 (2006.01)**
[25] EN
[54] **NOVEL HETEROARYL-UREA COMPOUNDS AS KV7.2 INHIBITORS**
[54] **NOUVEAUX COMPOSES HETEROARYLE-UREE UTILISES EN TANT QU'INHIBITEURS DE KV7.2**
[72] LEBRETON, SYLVAIN, US
[72] GERLACH, AARON, US
[72] NORCROSS, ROGER DAVID, CH
[72] MA, NINA, US
[72] LI, RONGHUA, US
[72] NAIR, ANIL, US
[72] MECHIN, INGRID, US
[72] SAFAROVA, ALENA, US
[72] SMRCINA, MARTIN, US
[72] DAVIDSON, JAMES, US
[72] GRAHAM, CHRISTOPHER JOHN, US
[72] NAGARAJAN, KARTHIGEYAN, US
[72] CHAPMAN, MARK, US
[72] DAVIES, NICHOLAS GARETH MORSE, US
[72] REDONDO PENA, ROGER LLUIS, CH
[72] MOWREY, DAVID, US
[71] ICAGEN, LLC, US
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2024-05-17
[86] 2022-11-17 (PCT/US2022/050221)
[87] (WO2023/091554)
[30] US (63/281,133) 2021-11-19

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ANTIBODIES TO RECEPTOR OF ADVANCED GLYCATION END PRODUCTS (RAGE) AND USES THEREOF**
[54] **ANTICORPS DIRIGES CONTRE LE RECEPTEUR DE PRODUITS FINAUX DE GLYCATION AVANCEE ET LEURS UTILISATIONS**
[72] BENTLEY, CORNELIA, US
[72] PITMAN, JEFF, US
[72] HOLMES, EVAN, US
[72] DE LOS RIOS, MIGUEL, US
[71] SALVARX LLC, VG
[85] 2024-05-17
[86] 2022-11-18 (PCT/US2022/080159)
[87] (WO2023/092082)
[30] US (63/280,999) 2021-11-18

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[13] A1
[51] **Int.Cl. F02B 67/06 (2006.01)**
[25] EN
[54] **ARRANGEMENT OF AUXILIARY EQUIPMENT IN THE ENGINE BAY OF A COMMERCIAL VEHICLE**
[54] **AGENCEMENT D'EQUIPEMENT AUXILIAIRE DANS LE COMPARTIMENT MOTEUR D'UN VEHICULE UTILITAIRE**
[72] REYNOLDS, DAVID, US
[72] VAN HAVERBEKE, JOHN R., US
[72] WATSON, SCOTT, US
[72] PARSONS, JASON, US
[71] DAIMLER TRUCK AG, DE
[85] 2024-05-17
[86] 2022-11-15 (PCT/EP2022/081996)
[87] (WO2023/088901)
[30] GB (2116532.9) 2021-11-17

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[13] A1
[51] **Int.Cl. C12N 5/0793 (2010.01) C12N 5/071 (2010.01) B33Y 10/00 (2015.01)**
[25] EN
[54] **METHODS FOR PRINTING FUNCTIONAL HUMAN NEURAL TISSUE**
[54] **METHODES D'IMPRESSION DE TISSU NERVEUX HUMAIN FONCTIONNEL**
[72] ZHANG, SU-CHUN, US
[72] YAN, YUANWEI, US
[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
[71] ZHANG, SU-CHUN, US
[71] YAN, YUANWEI, US
[85] 2024-05-17
[86] 2022-11-18 (PCT/US2022/050433)
[87] (WO2023/091681)
[30] US (63/280,886) 2021-11-18

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[13] A1
[51] **Int.Cl. C10L 3/10 (2006.01) C02F 3/28 (2006.01) C02F 11/04 (2006.01) B01D 21/24 (2006.01) B01D 53/40 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ANAEROBIC DIGESTION OF LIQUID WASTE STREAMS**
[54] **PROCEDE ET APPAREIL DE DIGESTION ANAEROBIE DE FLUX DE DECHETS LIQUIDES**
[72] DVORAK, STEPHEN, US
[71] DVO LICENSING, INC., US
[85] 2024-05-17
[86] 2022-11-18 (PCT/US2022/050485)
[87] (WO2023/091716)
[30] US (63/280,888) 2021-11-18

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[13] A1
[51] **Int.Cl. H04L 9/32 (2006.01) G06F 21/56 (2013.01) H04L 9/40 (2022.01) G06F 21/42 (2013.01)**
[25] EN
[54] **AN INTERACTIVE ARTIFICIAL INTELLIGENCE-BASED RESPONSE LOOP TO A CYBERATTACK**
[54] **BOUCLE DE REPONSE BASEE SUR UNE INTELLIGENCE ARTIFICIELLE INTERACTIVE POUR UNE CYBERATTAQUE**
[72] FELLOWS, SIMON, GB
[72] STOCKDALE, JACK, GB
[72] DUNN, MATT, GB
[71] DARKTRACE HOLDINGS LIMITED, GB
[85] 2024-05-17
[86] 2022-11-21 (PCT/US2022/050579)
[87] (WO2023/091754)
[30] US (63/281,978) 2021-11-22

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[13] A1
[51] **Int.Cl. C01B 33/12 (2006.01)**
[25] EN
[54] **PROCESS FOR BLEACHING DIATOMACEOUS EARTH**
[54] **PROCEDE DE BLANCHIMENT DE LA TERRE DE DIATOMEES**
[72] PRZEKOP, ROBERT, PL
[72] KURZYDLOWSKI, KRZYSZTOF, PL
[72] DOBRUCKA, RENATA, PL
[72] DOBROSIELSKA, MARTA, PL
[71] POLITECHNIKA WARSZAWSKA, PL
[71] UNIWERSYTET IM. ADAMA MICKIEWICZA W POZNANIU, PL
[85] 2024-05-17
[86] 2023-05-26 (PCT/IB2023/055415)
[87] (WO2024/084294)
[30] PL (P.442544) 2022-10-17

[21] **3,239,086**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING TRIAZOLOPYRIMIDINONE DERIVATIVE**
[54] **PROCEDE DE PREPARATION D'UN DERIVE DE TRIAZOLOPYRIMIDINONE**
[72] KIM, KYUNG JIN, KR
[72] KIM, UK-IL, KR
[72] BANG, HYUNG TAE, KR
[72] LEE, SEUL KI, KR
[72] HAN, SI YEON, KR
[71] ST PHARM CO., LTD., KR
[85] 2024-05-17
[86] 2021-12-01 (PCT/KR2021/018043)
[87] (WO2023/101048)

[21] **3,239,087**
[13] A1
[51] **Int.Cl. C01D 15/04 (2006.01) C01D 3/04 (2006.01) C01D 3/06 (2006.01) C01D 15/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DIRECT LITHIUM EXTRACTION**
[54] **SYSTEMES ET PROCEDES D'EXTRACTION DIRECTE DE LITHIUM**
[72] PATWARDHAN, AMIT, US
[72] EGAN, TEAGUE M., US
[71] ENERGY EXPLORATION TECHNOLOGIES, INC., US
[85] 2024-05-17
[86] 2022-11-17 (PCT/US2022/080002)
[87] (WO2023/091981)
[30] US (63/280,796) 2021-11-18

[21] **3,239,094**
[13] A1
[51] **Int.Cl. E21B 41/00 (2006.01) E21B 7/06 (2006.01) E21B 29/08 (2006.01) E21B 33/127 (2006.01)**
[25] EN
[54] **LATERAL LOCATING ASSEMBLY HAVING ONE OR MORE PRODUCTION PORTS**
[54] **ENSEMBLE POSITIONNEMENT LATERAL AYANT UN OU PLUSIEURS ORIFICES DE PRODUCTION**
[72] RODRIGUEZ, FRANKLIN, NO
[72] SANTIN, YOANN, GB
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2024-05-17
[86] 2023-01-18 (PCT/US2023/010993)
[87] (WO2023/141122)
[30] US (63/300,539) 2022-01-18
[30] US (18/097,732) 2023-01-17

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[13] A1
[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/00 (2006.01) A61B 5/0205 (2006.01) A61B 5/1477 (2006.01) A61B 5/1486 (2006.01) A61B 5/20 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MONITORING, DIAGNOSIS, AND DECISION SUPPORT FOR DIABETES IN PATIENTS WITH KIDNEY DISEASE**
[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE, DE DIAGNOSTIC ET D'AIDE A LA DECISION AU SUJET DU DIABETE CHEZ DES PATIENTS ATTEINTS D'UNE MALADIE RENALE**
[72] JOHNSON, MATTHEW L., US
[72] AN, QI, US
[72] BARTLETT, RUSH, US
[72] PADERI, JOHN, US
[71] DEXCOM, INC., US
[85] 2024-05-17
[86] 2023-05-31 (PCT/US2023/024075)
[87] (WO2023/235442)
[30] US (63/365,702) 2022-06-01
[30] US (63/403,568) 2022-09-02
[30] US (63/403,582) 2022-09-02
[30] US (63/376,673) 2022-09-22
[30] US (63/377,332) 2022-09-27
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[51] **Int.Cl. A61K 31/69 (2006.01) A61P 31/04 (2006.01) C07F 5/02 (2006.01)**
[25] EN
[54] **METHODS AND USES OF BORON COMPOUNDS IN THE TREATMENT OF NONTUBERCULOUS MYCOBACTERIUM INFECTIONS AND PHARMACEUTICAL COMPOSITIONS FOR TREATMENT OF SAME**
[54] **PROCEDES ET UTILISATIONS DE COMPOSES DE BORE DANS LE TRAITEMENT D'INFECTIONS PAR MYCOBACTERIES NON TUBERCULEUSES ET COMPOSITIONS PHARMACEUTIQUES POUR LE TRAITEMENT DE CELLES-CI**
[72] WANG, XINGHAI, CN
[72] LIU, SHICONG, CN
[72] LIU, JINQIAN, US
[72] GORDEEV, MIKHAIL FEDOROVICH, US
[72] YUAN, ZHENGYU, US
[71] SHANGHAI MICURX PHARMACEUTICAL CO., LTD., CN
[85] 2024-05-16
[86] 2023-06-21 (PCT/CN2023/101603)
[87] (WO2023/246841)
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[51] **Int.Cl. C07F 5/02 (2006.01) A61K 31/69 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **PRODRUGS OF BORON COMPOUNDS AND THEIR USE IN TREATING BACTERIAL INFECTIONS**
[54] **PROMEDICAMENTS DE COMPOSES DE BORE ET LEUR UTILISATION DANS LE TRAITEMENT D'INFECTIONS BACTERIENNES**
[72] WANG, XINGHAI, CN
[72] LIU, JINQIAN, US
[72] GORDEEV, MIKHAIL FEDOROVICH, US
[71] SHANGHAI MICURX PHARMACEUTICAL CO., LTD., CN
[85] 2024-05-16
[86] 2023-06-21 (PCT/CN2023/101604)
[87] (WO2023/246842)
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[51] **Int.Cl. A61L 31/10 (2006.01) A61L 31/04 (2006.01) A61L 31/14 (2006.01) A61L 31/16 (2006.01)**
[25] EN
[54] **FUNCTIONALIZED SYNTHETIC SURGICAL MESH**
[54] **MAILLE CHIRURGICALE SYNTHETIQUE FONCTIONNALISEE**
[72] LEWIS, KEVIN MICHAEL, US
[72] NORDHAUS, MARK ALAN, US
[72] GREEN, JOHN-BRUCE D., US
[72] KRONGAUZ, VADIM V., US
[71] BAXTER INTERNATIONAL INC., US
[71] BAXTER HEALTHCARE SA, CH
[85] 2024-05-16
[86] 2022-11-16 (PCT/US2022/079931)
[87] (WO2023/097153)
[30] US (63/282,570) 2021-11-23

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[13] A1
[51] **Int.Cl. A41D 15/04 (2006.01)**
[25] EN
[54] **CONVERTIBLE JACKET AND TOTE COMBINATION**
[54] **COMBINAISON VESTE CONVERTIBLE ET FOURRE-TOUT**
[72] SANKAR, ASHLEY, US
[71] SANKAR, ASHLEY, US
[85] 2024-05-24
[86] 2022-11-29 (PCT/US2022/080529)
[87] (WO2023/060288)
[30] US (63/290,667) 2021-12-17

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[13] A1
[51] **Int.Cl. A61F 2/26 (2006.01)**
[25] EN
[54] **IMPLANTABLE INFLATABLE DEVICE AND THERAPEUTIC METHODS**
[54] **DISPOSITIF GONFLABLE IMPLANTABLE ET METHODES THERAPEUTIQUES**
[72] NOLAN, DARAGH, IE
[72] GILDEA, JOHN, IE
[72] SINNOTT, THOMAS, IE
[72] WATSCHKE, BRIAN P., US
[72] BORGOS, NATALIE A., US
[72] SMITH, NOEL, IE
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2024-05-21
[86] 2023-01-18 (PCT/US2023/060849)
[87] (WO2023/141471)
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[51] **Int.Cl. A61K 8/19 (2006.01) A61K 8/20 (2006.01) A61K 8/27 (2006.01) A61K 8/34 (2006.01) A61K 8/44 (2006.01) A61K 8/46 (2006.01) A61K 8/73 (2006.01) A61K 8/81 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **NON-AQUEOUS DENTIFRICE COMPOSITION**
[54] **COMPOSITION DE DENTIFRICE NON AQUEUSE**
[72] MATOUG, ARWA, GB
[72] MENSUO, JUNIOR, GB
[72] ROOHPOUR, NIMA, GB
[72] WEBSTER, CORINNE, GB
[71] HALEON UK IP LIMITED, GB
[85] 2024-05-21
[86] 2022-11-23 (PCT/EP2022/083049)
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[51] **Int.Cl. C12N 5/077 (2010.01) C12N 5/00 (2006.01) C12N 5/02 (2006.01)**
[25] EN
[54] **MATURATION MEDIUM FOR PLURIPOTENT STEM CELL-DERIVED CARDIOMYOCYTES**
[54] **MILIEU DE MATURATION POUR CARDIOMYOCYTES DERIVES DE CELLULES SOUCHES PLURIPOTENTES**
[72] CALLAGHAN, NEAL I., CA
[72] SIMMONS, CRAIG A., CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2024-05-17
[86] 2022-11-17 (PCT/CA2022/051700)
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[51] **Int.Cl. C07D 307/20 (2006.01) A61K 31/165 (2006.01) A61K 31/17 (2006.01) A61K 31/18 (2006.01) A61K 31/196 (2006.01) A61K 31/255 (2006.01) A61K 31/27 (2006.01) A61K 31/277 (2006.01) A61K 31/341 (2006.01) A61K 31/40 (2006.01) A61K 31/41 (2006.01) A61K 31/421 (2006.01) A61K 31/495 (2006.01) A61K 31/5375 (2006.01) A61K 31/64 (2006.01) A61K 31/69 (2006.01) A61P 19/02 (2006.01) A61P 29/00 (2006.01) A61P 31/14 (2006.01) C07C 233/32 (2006.01) C07C 233/52 (2006.01) C07C 237/24 (2006.01) C07C 255/19 (2006.01) C07C 255/47 (2006.01) C07C 271/24 (2006.01) C07C 271/34 (2006.01) C07C 275/26 (2006.01) C07C 305/20 (2006.01) C07C 307/02 (2006.01) C07C 307/08 (2006.01) C07C 311/07 (2006.01) C07C 311/46 (2006.01) C07D 207/16 (2006.01) C07D 207/27 (2006.01) C07D 249/08 (2006.01) C07D 257/04 (2006.01) C07D 263/24 (2006.01) C07D 265/32 (2006.01) C07D 295/155 (2006.01) C07D 295/182 (2006.01) C07F 5/02 (2006.01)**
[25] EN
[54] **ANTI-INFLAMMATORY AND ANALGESIC COMPOUNDS AND USE THEREOF**
[54] **COMPOSE ANALGESIQUE ANTI-INFLAMMATOIRE ET SON UTILISATION**
[72] SHI, DONGFANG, CN
[72] FU, CHANGJIN, CN
[72] YANG, YAN, CN
[72] LI, HAIMING, CN
[71] JIANGSU ATOM BIOSCIENCE AND PHARMACEUTICAL CO., LTD., CN
[85] 2024-05-17
[86] 2022-05-05 (PCT/CN2022/090947)
[87] (WO2023/087632)
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[30] CN (202210311555.2) 2022-03-28

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/70 (2006.01) A61K 47/32 (2006.01) A61P 1/00 (2006.01)**
[25] EN
[54] **MUCOSAL PATCHES AND METHODS OF USE THEREOF**
[54] **TIMBRES POUR MUQUEUSES ET LEURS PROCEDES D'UTILISATION**
[72] SANTOCILDES ROMERO, MARTIN EDUARDO, DK
[71] AFYX DEVELOPMENT A/S, DK
[85] 2024-05-17
[86] 2022-11-23 (PCT/EP2022/082999)
[87] (WO2023/094457)
[30] US (63/282,548) 2021-11-23

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[13] A1
[51] **Int.Cl. G06N 10/20 (2022.01) G06N 10/60 (2022.01)**
[25] EN
[54] **QUANTUM ADVANTAGE USING QUANTUM CIRCUIT FOR GRADIENT ESTIMATION**
[54] **AVANTAGE QUANTIQUE UTILISANT UN CIRCUIT QUANTIQUE POUR L'ESTIMATION DE GRADIENT**
[72] STAMATOPOULOS, NIKITAS, US
[72] MAZZOLA, GUGLIELMO, US
[72] WOERNER, STEFAN ERIK, US
[72] ZENG, WILLIAM JOSEPH, US
[71] GOLDMAN SACHS & CO. LLC, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2024-05-17
[86] 2022-11-18 (PCT/IB2022/061157)
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[30] US (63/281,313) 2021-11-19

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[51] **Int.Cl. B01D 53/02 (2006.01) B01D 53/14 (2006.01) B01D 53/62 (2006.01) B01D 53/96 (2006.01) F02C 3/00 (2006.01) F17C 1/00 (2006.01) F17C 5/00 (2006.01)**
[25] EN
[54] **HYDROCARBON PRODUCTION SYSTEM WITH REDUCED CARBON DIOXIDE EMISSION**
[54] **SYSTEME DE PRODUCTION D'HYDROCARBURES A EMISSION REDUITE DE DIOXYDE DE CARBONE**
[72] LOTHE, PER, NO
[72] SAMUELSBERG, ARILD, NO
[71] EQUINOR ENERGY AS, NO
[85] 2024-05-17
[86] 2022-11-17 (PCT/NO2022/050265)
[87] (WO2023/091025)
[30] GB (2116595.6) 2021-11-17

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[13] A1
[51] **Int.Cl. G06N 20/20 (2019.01) E21B 47/00 (2012.01)**
[25] EN
[54] **MACHINE LEARNING MODEL DEPLOYMENT, MANAGEMENT AND MONITORING AT SCALE**
[54] **DEPLOIEMENT, GESTION ET SURVEILLANCE DE MODELE D'APPRENTISSAGE AUTOMATIQUE A L'ECHELLE**
[72] ALAAS, YUSEF, US
[72] BOLAND, HEW, US
[72] KLEIN, FELIPE, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2024-05-21
[86] 2022-11-18 (PCT/US2022/050340)
[87] (WO2023/091624)
[30] US (63/281,704) 2021-11-21

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[13] A1
[51] **Int.Cl. A61K 31/4745 (2006.01) A61K 31/496 (2006.01) A61K 31/506 (2006.01) A61K 31/519 (2006.01) A61K 31/5377 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY COMPRISING AN FGFR INHIBITOR AND A KRAS INHIBITOR**
[54] **POLYTHERAPIE COMPRENANT UN INHIBITEUR DE FGFR ET UN INHIBITEUR DE KRAS**
[72] ARJONA, ALEJANDRO AMADOR, US
[72] ABDOLLAHI, ANGELA, US
[72] FAVATA, MARGARET, US
[72] RIOS-DORIA, JONATHAN, US
[72] WANG, HUI, US
[72] WEE, SUSAN, US
[72] GAN, PEI, US
[72] YANG, JEFFREY C., US
[72] LI, YONG, US
[72] ZHAO, LE, US
[72] HE, CHUNHONG, US
[72] LAW, CHUNYIN MARSHALL, US
[72] ZHU, WENYU, US
[72] WANG, XIAOZHAO, US
[72] YAO, WENQING, US
[72] CARLSEN, PETER, US
[72] ZHANG, FENGLEI, US
[72] YE, QINDA, US
[72] MCCAMMANT, MATTHEW, US
[72] POLICARPO, ROCCO, US
[72] SHVARTSBART, ARTEM, US
[72] ROACH, JEREMY, US
[72] HOANG, GIA, US
[72] HU, BIN, US
[72] LI, GENCHENG, US
[72] SUSICK, ROBERT, US
[72] POLAM, PADMAJA, US
[72] QI, CHAO, US
[72] SOKOLSKY, ALEXANDER, US
[72] YIN, HAOLIN, US
[72] MIN, CHANG, US
[71] INCYTE CORPORATION, US
[85] 2024-05-21
[86] 2022-11-21 (PCT/US2022/050558)
[87] (WO2023/091746)
[30] US (63/282,017) 2021-11-22
[30] US (63/317,654) 2022-03-08
[30] US (63/352,491) 2022-06-15

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[13] A1
[51] **Int.Cl. A61F 2/82 (2013.01) A61F 2/915 (2013.01) A61F 2/02 (2006.01) A61F 2/00 (2006.01) A61F 2/04 (2013.01) A61F 2/06 (2013.01)**
[25] EN
[54] **NEUROVASCULAR IMPLANTS AND DELIVERY SYSTEMS**
[54] **IMPLANTS NEUROVASCULAIRES ET SYSTEMES DE POSE**
[72] LEE, JASON, US
[72] LAU, LILIP, US
[72] TOTTEN, SEAN, US
[72] SILVER, JAMES H., US
[72] DESENNA, MADELINE LOUISE, US
[71] IMPERATIVE CARE, INC., US
[85] 2024-05-21
[86] 2022-11-21 (PCT/US2022/050609)
[87] (WO2023/091762)
[30] US (63/281,923) 2021-11-22

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[13] A1
[51] **Int.Cl. B60L 53/10 (2019.01) B60L 53/14 (2019.01) B60L 53/60 (2019.01) B60L 58/12 (2019.01)**
[25] EN
[54] **CHARGING MANAGEMENT FOR AUTONOMOUS ELECTRIC WORK VEHICLES AT A WORKSITE**
[54] **GESTION DE CHARGE POUR DES VEHICULES DE TRAVAIL ELECTRIQUES AUTONOMES SUR UN CHANTIER**
[72] TWIGGER, THOMAS LESLIE, US
[72] GAHLINGS, STEVEN A., US
[71] CATERPILLAR INC., US
[85] 2024-05-21
[86] 2022-11-23 (PCT/US2022/050839)
[87] (WO2023/101875)
[30] GB (2117536.9) 2021-12-03

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[13] A1
[51] **Int.Cl. B24D 11/00 (2006.01) B24D 11/02 (2006.01)**
[25] EN
[54] **ABRASIVE PRODUCT**
[54] **PRODUIT ABRASIF**
[72] KAVANDER, CHRISTER, FI
[72] HEDE, COURTNEY, FI
[72] HAGGBLOM, ANDERS, FI
[72] GRON, JAN, FI
[71] MIRKA OY, FI
[85] 2024-05-21
[86] 2022-06-03 (PCT/FI2022/050382)
[87] (WO2023/094721)
[30] FI (20216207) 2021-11-25

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[13] A1
[51] **Int.Cl. G01G 19/414 (2006.01) G06Q 50/12 (2012.01)**
[25] EN
[54] **A SYSTEM FOR OPERATING A FOOD SERVING SYSTEM**
[54] **SYSTEME D'ACTIVATION D'UN SYSTEME DE SERVICE ALIMENTAIRE**
[72] OJANSIVU, PAULIINA, FI
[72] KOIVUNEN, LAURI, FI
[72] NORRDAL, MARI, FI
[71] TURUN YLIOPISTO, FI
[85] 2024-05-21
[86] 2022-11-30 (PCT/FI2022/050802)
[87] (WO2023/099819)
[30] FI (20216230) 2021-12-01

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[13] A1
[51] **Int.Cl. H04L 9/00 (2022.01) G16B 30/00 (2019.01) G16B 50/00 (2019.01) G11C 13/00 (2006.01)**
[25] EN
[54] **NUCLEIC ACID STORAGE FOR BLOCKCHAIN AND NON-FUNGIBLE TOKENS**
[54] **STOCKAGE D'ACIDE NUCLEIQUE POUR CHAINE DE BLOCS ET JETONS NON FONGIBLES**
[72] VARADARAJALU, GANESHKUMAR, US
[72] JONES, CHERYL, US
[72] BHATIA, SWAPNIL P., US
[72] MIHM, SEAN, US
[72] PARK, HYUNJUN, US
[72] LEAKE, DEVIN, US
[72] GILDEA, KEVIN, US
[72] RAMLIDEN, MIRIAM, US
[72] KAMBARA, TRACY, US
[72] LEWKOW, NICK, US
[71] CATALOG TECHNOLOGIES, INC., US
[85] 2024-05-17
[86] 2022-11-18 (PCT/US2022/050435)
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[30] US (63/281,395) 2021-11-19

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[13] A1
[51] **Int.Cl. C09D 183/04 (2006.01) C08L 43/04 (2006.01) C08L 83/04 (2006.01) C09J 195/00 (2006.01)**
[25] EN
[54] **MOISTURE-RESISTANT COMPOSITIONS FOR ROOF COATINGS**
[54] **COMPOSITIONS RESISTANTES A L'HUMIDITE POUR REVETEMENTS DE TOIT**
[72] ZHU, ZHIYONG, US
[71] HENRY COMPANY, LLC, US
[85] 2024-05-21
[86] 2022-12-16 (PCT/US2022/053200)
[87] (WO2023/114489)
[30] US (63/290,471) 2021-12-16

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[13] A1
[51] **Int.Cl. C07K 16/24 (2006.01) A61K 39/00 (2006.01) A61P 1/04 (2006.01)**
[25] EN
[54] **METHOD OF TREATING ULCERATIVE COLITIS WITH ANTI-IL23 SPECIFIC ANTIBODY**
[54] **METHODE DE TRAITEMENT DE LA RECTOCOLITE HEMORRAGIQUE AVEC UN ANTICORPS SPECIFIQUE ANTI-IL23**
[72] GERMINARO, MATTHEW, US
[72] HUANG, KUAN-HSIANG GARY, US
[72] ZHANG, HONGYAN, US
[71] JANSSEN BIOTECH, INC., US
[85] 2024-05-21
[86] 2022-11-22 (PCT/IB2022/061300)
[87] (WO2023/095000)
[30] US (63/282,365) 2021-11-23
[30] US (63/350,129) 2022-06-08
[30] US (63/415,423) 2022-10-12

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[13] A1
[51] **Int.Cl. C07C 1/24 (2006.01) C07C 2/58 (2006.01) C07C 2/62 (2006.01) C07C 9/16 (2006.01) C07C 11/04 (2006.01) C10G 11/00 (2006.01) C10L 10/10 (2006.01)**
[25] EN
[54] **IONIC LIQUID ALKYLATION OF ISOBUTANE WITH BIO-ETHYLENE TO PRODUCE ALKYLATE**
[54] **ALKYLATION EN LIQUIDE IONIQUE DE L'ISOBUTANE AVEC DU BIOETHYLENE POUR PRODUIRE UN ALKYLATE**
[72] CHANG, BONG-KYU, US
[72] TIMKEN, HYE-KYUNG CHO, US
[72] YOUNG, MICHELLE K., US
[72] CHEN, CONG-YAN, US
[72] MILLER, STEPHEN JOSEPH, US
[71] CHEVRON U.S.A. INC., US
[85] 2024-05-21
[86] 2022-09-28 (PCT/IB2022/059226)
[87] (WO2023/111702)
[30] US (63/289,703) 2021-12-15

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[13] A1
[51] **Int.Cl. F24D 15/04 (2006.01) F24D 17/00 (2022.01) F24D 17/02 (2006.01)**
[25] EN
[54] **COMBINED HEAT, POWER, WATER AND WASTE SYSTEM**
[54] **SYSTEME COMBINE DE CHALEUR, D'ENERGIE, D'EAU ET DE DECHETS**
[72] SHAHSAVAR, AARYA, CA
[72] CLARK, ADAM RICHARD, CA
[71] INNOCORPS RESEARCH CORPORATION, CA
[85] 2024-05-21
[86] 2022-11-22 (PCT/IB2022/061304)
[87] (WO2023/089599)
[30] US (17/531,869) 2021-11-22

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[13] A1
[51] **Int.Cl. C07H 19/09 (2006.01) A61K 31/7068 (2006.01) A61P 35/00 (2006.01) C07K 9/00 (2006.01) C07K 5/06 (2006.01)**
[25] EN
[54] **CYTARABINE-AMINO ACID BASED PRODRUG FOR THE TREATMENT OF CANCER**
[54] **PROMEDICAMENT A BASE D'ACIDE AMINE-CYTARABINE POUR LE TRAITEMENT DU CANCER**
[72] GENGRINOVITCH, STELA, IL
[72] LIDOR-HADAS, RAMY, IL
[72] SHUMILOV, MARGARITA, IL
[71] BIOSIGHT LTD., IL
[85] 2024-05-21
[86] 2022-11-20 (PCT/IL2022/051234)
[87] (WO2023/089617)
[30] US (63/281,689) 2021-11-21

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[13] A1
[51] **Int.Cl. A61B 6/00 (2024.01) A61B 6/03 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR THE GENERATION OF DENTAL IMAGES WITH HEIGHT-SPECIFIC DOSE APPLICATION**
[54] **APPAREIL ET PROCEDE POUR LA GENERATION D'IMAGES DENTAIRES AVEC APPLICATION DE DOSE SPECIFIQUE EN HAUTEUR**
[72] MAUR, SUSANNE, DE
[72] EICHNER, STEFAN, DE
[71] SIRONA DENTAL SYSTEMS GMBH, DE
[71] DENTSPLY SIRONA INC., US
[85] 2024-05-22
[86] 2022-11-23 (PCT/EP2022/083028)
[87] (WO2023/094474)
[30] EP (21210851.8) 2021-11-26

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 37/02 (2006.01) C07K 16/00 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING ENHANCED MULTISPECIFIC BINDING AGENTS FOR AN IMMUNE RESPONSE**
[54] **COMPOSITIONS COMPRENANT DES AGENTS DE LIAISON MULTISPECIFIQUES AMELIORES POUR UNE REPONSE IMMUNITAIRE**
[72] DIEM, MICHAEL, US
[72] HUANG, CHICHI, US
[72] LUO, JINQUAN, US
[72] TEPLYAKOV, ALEXEY, US
[72] BOUCHER, LAUREN, US
[72] FELDKAMP, MICHAEL, US
[72] ARMSTRONG, ANTHONY, US
[72] NANDA, HIRSH, US
[72] MAHAN, ANDREW DAVID, US
[72] GUNAWARDENA, HARSHA PRITHVIRAJ, US
[72] CHOWDHURY, PARTHA, US
[72] POLTASH, MICHAEL LAWRENCE, US
[72] PRINSLOW, ELISABETH GEYER, US
[71] JANSSEN BIOTECH, INC., US
[85] 2024-05-21
[86] 2022-11-21 (PCT/IB2022/061241)
[87] (WO2023/089587)
[30] US (63/281,954) 2021-11-22
[30] US (63/322,158) 2022-03-21
[30] US (63/393,750) 2022-07-29

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[51] **Int.Cl. C07K 14/165 (2006.01) A61K 39/215 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **CORONAVIRUS IMMUNOGEN COMPOSITIONS AND THEIR USES**
[54] **COMPOSITIONS IMMUNOGENES DE CORONAVIRUS ET LEURS UTILISATIONS**
[72] KAHVEJIAN, AVAK, US
[72] DE BOER, ALEXANDRA SOPHIE, US
[72] ECHELARD, YANN PAUL GUY REGIS, US
[72] NELSON, JENNIFER A., US
[72] LEE, SOOHYUN, US
[72] MELFI, MICHAEL DONATO, US
[72] MOSAHEB, MOHAMMAD MUBEEN, US
[72] SIGOVA, ALLA ALEXEEVNA, US
[71] FLAGSHIP PIONEERING INNOVATIONS VI, LLC, US
[85] 2024-05-21
[86] 2022-11-23 (PCT/US2022/050893)
[87] (WO2023/096990)
[30] US (63/283,146) 2021-11-24

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[51] **Int.Cl. A61N 1/04 (2006.01) A61N 1/06 (2006.01) A61N 1/40 (2006.01)**
[25] EN
[54] **DEVICES AND SYSTEMS FOR APPLYING TUMOR-TREATING FIELDS**
[54] **DISPOSITIFS ET SYSTEMES POUR APPLIQUER DES CHAMPS DE TRAITEMENT DE TUMEUR**
[72] SPECTOR, YUVAL, IL
[71] NOVOCURE GMBH, CH
[85] 2024-05-21
[86] 2022-11-30 (PCT/IB2022/061600)
[87] (WO2023/100103)
[30] US (63/284,357) 2021-11-30

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[51] **Int.Cl. A61K 31/505 (2006.01) A61P 37/08 (2006.01)**
[25] EN
[54] **METHODS OF TREATMENT USING LOU064**
[54] **METHODES DE TRAITEMENT UTILISANT LOU064**
[72] BHATTACHARYA, SOUVIK, US
[72] BIETH, BRUNO, CH
[72] CENNI, BRUNO, CH
[72] GRAHAM, GORDON, CH
[72] JUHNKE, MICHAEL, CH
[72] LIGUEROS-SAYLAN, MONICA, US
[72] MIHAILESCU, DAN DRAGOS, CH
[72] STUART, BRIDGET DANIELLE, US
[72] SIN, KIM-HIEN, CH
[72] RAPP, KARIN, CH
[71] NOVARTIS AG, CH
[85] 2024-05-21
[86] 2022-12-12 (PCT/IB2022/062046)
[87] (WO2023/111802)
[30] US (63/289,273) 2021-12-14
[30] US (63/290,916) 2021-12-17
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[51] **Int.Cl. A61K 39/395 (2006.01) A61K 47/60 (2017.01) C07K 16/28 (2006.01)**
[25] EN
[54] **FORMULATIONS COMPRISING FAB-PEG**
[54] **FORMULATIONS COMPRENANT FAB-PEG**
[72] YATES, ANDREW JEFFREY, GB
[72] BENACCETTA, KATIA, BE
[72] MASSANT, JAN, BE
[71] UCB BIOPHARMA SRL, BE
[71] BIOGEN MA INC., US
[85] 2024-05-22
[86] 2022-11-30 (PCT/EP2022/083929)
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[30] EP (21211590.1) 2021-12-01

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[51] **Int.Cl. C12M 3/00 (2006.01) C12N 5/071 (2010.01) C07K 5/09 (2006.01) C07K 5/10 (2006.01) C07K 5/11 (2006.01) C07K 7/06 (2006.01) C07K 17/08 (2006.01) C08F 261/12 (2006.01) C08G 81/02 (2006.01) C08L 101/06 (2006.01) C12M 1/00 (2006.01) C12N 1/00 (2006.01)**
[25] EN
[54] **COATING SOLUTION FOR FORMING CELL SCAFFOLD AND PRODUCTION METHOD THEREOF**
[54] **SOLUTION DE REVETEMENT POUR FORMER UN ECHAFAUDAGE CELLULAIRE ET SON PROCEDE DE PRODUCTION**
[72] KOBAYASHI, DAIGO, JP
[72] ARAI, YUUHEI, JP
[71] SEKISUI CHEMICAL CO., LTD., JP
[85] 2024-05-22
[86] 2022-12-26 (PCT/JP2022/047837)
[87] (WO2023/127779)
[30] JP (2021-212493) 2021-12-27
[30] JP (2022-001013) 2022-01-06
[30] JP (2022-001014) 2022-01-06
[30] JP (2022-077686) 2022-05-10

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[51] **Int.Cl. C07K 16/18 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **ANTI-C3 ANTIBODIES AND ANTIGEN-BINDING FRAGMENTS THEREOF AND THEIR USES FOR TREATING EYE OR OCULAR DISEASES**
[54] **ANTICORPS ANTI-C3 ET LEURS FRAGMENTS DE LIAISON A L'ANTIGENE AINSI QUE LEURS UTILISATIONS POUR LE TRAITEMENT DE MALADIES DES YEUX OU OCULAIRES**
[72] BORRAS, LEONARDO, CH
[72] GUPTA, PANKAJ, US
[72] HOERER, STEFAN, DE
[72] JUNGMICHEL, STEPHANIE, CH
[72] LEISNER, CHRISTIAN, CH
[72] REINDL, SOPHIA, DE
[72] RICHLE, PHILIPP ROBERT, CH
[72] SCHEIFELE, FABIAN, CH
[72] SOBIERAJ, ANNA, CH
[71] CDR-LIFE AG, CH
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[85] 2024-05-23
[86] 2022-12-21 (PCT/EP2022/087260)
[87] (WO2023/118312)
[30] US (63/292,513) 2021-12-22

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[13] A1
[51] **Int.Cl. E21B 23/06 (2006.01) E21B 33/126 (2006.01) E21B 33/129 (2006.01)**
[25] EN
[54] **PACKER SYSTEM WITH A SPRING AND RATCHET MECHANISM FOR WELLBORE OPERATIONS**
[54] **SYSTEME DE GARNITURE D'ETANCHEITE DOTE D'UN RESSORT ET D'UN MECANISME A CLIQUET POUR OPERATIONS DE PUITS DE FORAGE**
[72] ELDHO, SHANU THOTTUNGAL, US
[72] MOTHILAL, BALAJI PRASAD JUTU, US
[72] DAVE, JALPAN PIYUSH, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2024-05-22
[86] 2022-03-23 (PCT/US2022/021508)
[87] (WO2023/182985)
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[13] A1
[51] **Int.Cl. C04B 38/00 (2006.01) C04B 35/515 (2006.01) B01J 13/00 (2006.01)**
[25] EN
[54] **SOLUTIONS AND GELS OF ONE-DIMENSIONAL METAL OXIDES**
[54] **SOLUTIONS ET GELS D'OXYDES METALLIQUES UNIDIMENSIONNELS**
[72] CIOTA, DAVID, US
[72] SEO, DONG-KYUN, US
[72] NGUYEN, TAM, US
[71] ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY, US
[85] 2024-05-22
[86] 2022-11-22 (PCT/US2022/050770)
[87] (WO2023/091796)
[30] US (63/282,032) 2021-11-22

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[13] A1
[51] **Int.Cl. H04W 12/041 (2021.01)**
[25] EN
[54] **COMMUNICATION METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE COMMUNICATION**
[72] WU, YIZHUANG, CN
[72] LEI, AO, CN
[72] LI, HE, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2024-05-22
[86] 2023-01-17 (PCT/CN2023/072627)
[87] (WO2023/143251)
[30] CN (202210114688.0) 2022-01-30

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[13] A1
[51] **Int.Cl. B29C 48/86 (2019.01) B29C 48/02 (2019.01) B29C 48/06 (2019.01) B29C 48/285 (2019.01) B05C 17/005 (2006.01) B29C 48/265 (2019.01)**
[25] EN
[54] **HAND-HELD THREE-DIMENSIONAL DRAWING DEVICE**
[54] **DISPOSITIF D'ETIRAGE EN TROIS DIMENSIONS PORTATIF**
[72] BOGUE, MAXWELL, US
[71] WOBBLEWORKS, INC., US
[85] 2024-05-22
[86] 2022-05-23 (PCT/US2022/030608)
[87] (WO2023/096667)
[30] US (63/282,684) 2021-11-23

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[13] A1
[51] **Int.Cl. F16L 3/10 (2006.01) F16L 3/24 (2006.01) F16L 3/22 (2006.01)**
[25] EN
[54] **FASTENING DEVICE AND SYSTEM FOR FIXATING AT LEAST ONE PIPE**
[54] **DISPOSITIF DE FIXATION ET SYSTEME DE FIXATION D'AU MOINS UN TUYAU**
[72] BOUDREAU, MARTIN, CA
[71] ARMACELL ENTERPRISE GMBH & CO. KG, DE
[85] 2024-05-22
[86] 2023-03-30 (PCT/EP2023/058226)
[87] (WO2023/187025)
[30] EP (22165381.9) 2022-03-30

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[13] A1
[51] **Int.Cl. C08L 23/06 (2006.01) C08J 5/18 (2006.01)**
[25] EN
[54] **SYNERGISTS FOR HYPERBRANCHED POLYOL POLYMER PROCESSING ADDITIVES**
[54] **SYNERGISTES POUR ADDITIFS POUR LA TRANSFORMATION DE POLYMERES A BASE DE POLYOLS HYPERRAMIFIES**
[72] JARIWALA, CHETAN P., US
[72] LAVALLEE, CLAUDE, US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2024-05-22
[86] 2022-11-02 (PCT/IB2022/060567)
[87] (WO2023/089434)
[30] US (63/282,081) 2021-11-22

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[13] A1
[51] **Int.Cl. C07C 1/20 (2006.01) B01J 29/40 (2006.01) C07B 61/00 (2006.01) C07C 15/08 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING AROMATIC HYDROCARBON, METHOD FOR MANUFACTURING POLYMER, AND APPARATUS FOR MANUFACTURING AROMATIC HYDROCARBON**
[54] **PROCEDE DE FABRICATION D'HYDROCARBURE AROMATIQUE, PROCEDE DE FABRICATION DE POLYMERE ET APPAREIL DE FABRICATION D'HYDROCARBURE AROMATIQUE**
[72] ODASHIMA, TOMOYUKI, JP
[72] MINAMI, KODAI, JP
[72] TSUKAMOTO, DAIJIRO, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2024-05-22
[86] 2022-12-21 (PCT/JP2022/047113)
[87] (WO2023/127644)
[30] JP (2021-212191) 2021-12-27

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[13] A1
[51] **Int.Cl. B32B 27/32 (2006.01) B32B 7/028 (2019.01)**
[25] EN
[54] **SHRINKABLE LABELING FILM HAVING EXCELLENT TRANSPARENCY AND PRINTABILITY**
[54] **FILM D'ETIQUETAGE RETRACTABLE AYANT UNE EXCELLENTE TRANSPARENCE ET UNE EXCELLENTE IMPRIMABILITE**
[72] OH, SUN HYUNG, KR
[72] KIM, SONG HO, KR
[72] KIM, JIN WOO, KR
[72] MOON, YUN A., KR
[71] LOTTE CHEMICAL CORPORATION, KR
[85] 2024-05-22
[86] 2022-10-04 (PCT/KR2022/014912)
[87] (WO2023/096140)
[30] KR (10-2021-0163638) 2021-11-24

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[13] A1
[51] **Int.Cl. G06N 3/0464 (2023.01) G06N 3/067 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PERFORMING CONVOLUTIONS USING OPTICAL NETWORKS**
[54] **PROCEDES ET SYSTEMES POUR EFFECTUER DES CONVOLUTIONS A L'AIDE DE RESEAUX OPTIQUES**
[72] KUO, PING PIU, US
[71] RAYTHEON COMPANY, US
[85] 2024-05-22
[86] 2022-11-21 (PCT/US2022/050619)
[87] (WO2023/096871)
[30] US (63/283,951) 2021-11-29

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[13] A1
[51] **Int.Cl. G02B 6/12 (2006.01) G02B 6/13 (2006.01) G02B 6/132 (2006.01) G02B 6/136 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR INTEGRATION OF THIN FILM OPTICAL MATERIALS IN SILICON PHOTONICS**
[54] **SYSTEMES ET PROCEDES D'INTEGRATION DE MATERIAUX OPTIQUES EN COUCHES MINCES DANS LA PHOTONIQUE DE SILICIUM**
[72] KUO, PING PIU, US
[71] RAYTHEON COMPANY, US
[85] 2024-05-22
[86] 2022-11-21 (PCT/US2022/050622)
[87] (WO2023/101856)
[30] US (63/284,562) 2021-11-30

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[51] **Int.Cl. E04G 9/02 (2006.01) E04G 9/06 (2006.01) E04G 11/38 (2006.01) E04G 11/48 (2006.01)**
[25] EN
[54] **CEILING FORMWORK ELEMENT**
[54] **ELEMENT DE COFFRAGE DE PLAFONDS**
[72] BARON, CHRISTOPH, AT
[72] SCHAGERL, PHILIPP, AT
[71] DOKA GMBH, AT
[85] 2024-05-21
[86] 2022-12-01 (PCT/EP2022/084038)
[87] (WO2023/099657)
[30] DE (10 2021 213 606.0) 2021-12-01

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[13] A1
[51] **Int.Cl. F16L 47/02 (2006.01) F16L 9/12 (2006.01) F16L 47/06 (2006.01)**
[25] EN
[54] **A METHOD AND APPARATUS FOR JOINING HOLLOW STRUCTURES**
[54] **PROCEDE ET APPAREIL D'ASSEMBLAGE DE STRUCTURES CREUSES**
[72] GRAHAM, NEIL DERYCK BRAY, AU
[71] LONG PIPES LIMITED, AU
[85] 2024-05-22
[86] 2022-11-24 (PCT/AU2022/051408)
[87] (WO2023/092182)
[30] AU (2021903796) 2021-11-24

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[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) A61K 38/08 (2019.01) A61K 38/17 (2006.01) A61P 25/28 (2006.01) C07K 7/06 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **INHIBITORY PEPTIDES FOR THE DIAGNOSTIC AND/OR TREATMENT OF TAUOPATHIES**
[54] **PEPTIDES INHIBITEURS POUR LE DIAGNOSTIC ET/OU LE TRAITEMENT DE TAUOPATHIES**
[72] GARNIER, CYRILLE, FR
[71] UNIVERSITE DE RENNES, FR
[71] ECOLE DES HAUTES ETUDES EN SANTE PUBLIQUE, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] UNIVERSITE DE MONTPELLIER, FR
[71] ECOLE PRATIQUE DES HAUTES ETUDES, FR
[85] 2024-05-22
[86] 2022-11-30 (PCT/EP2022/083839)
[87] (WO2023/099560)
[30] EP (21211241.1) 2021-11-30

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[13] A1
[51] **Int.Cl. C07D 211/52 (2006.01) A61K 31/451 (2006.01) A61K 31/454 (2006.01) A61K 31/4545 (2006.01) A61P 13/00 (2006.01) A61P 35/00 (2006.01) C07D 401/04 (2006.01) C07D 401/10 (2006.01) C07D 401/14 (2006.01) C07D 405/14 (2006.01) C07D 409/14 (2006.01) C07D 413/04 (2006.01) C07D 413/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **4-PHENYL-2-(1H-1,2,3-TRIAZOL-4-YL)PIPERIDIN-4-OL DERIVATIVES AS INHIBITORS OF APOL1 AND METHODS OF USING SAME**
[54] **DERIVES DE 4-PHENYL-2-(1H-1,2,3-TRIAZOL-4-YL)PIPERIDIN-4-OLE UTILES EN TANT QU'INHIBITEURS D'APOL1 ET LEURS PROCEDES D'UTILISATION**
[72] DAKIN, LESLIE A., US
[72] BRODNEY, MICHAEL A., US
[72] DOLGIKH, ELENA, US
[72] OLSEN, JESSICA H., US
[72] SENTER, TIMOTHY J., US
[72] SHIMIZU, AKIRA J., US
[72] STONE, STEVEN D., US
[72] DANIEL, KEVIN B., US
[72] GARCIA BARRANTES, PEDRO M., US
[72] MEDEK, ALES, US
[72] TSAY, CHARLENE, US
[71] VERTEX PHARMACEUTICALS INCORPORATED, US
[85] 2024-05-22
[86] 2022-11-30 (PCT/US2022/051364)
[87] (WO2023/102022)
[30] US (63/284,166) 2021-11-30
[30] US (63/286,165) 2021-12-06
[30] US (63/310,832) 2022-02-16

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[13] A1
[51] **Int.Cl. H02K 1/22 (2006.01) F16C 32/04 (2006.01) H02K 1/27 (2022.01) H02N 15/00 (2006.01) F03G 3/08 (2006.01) H02J 15/00 (2006.01)**
[25] EN
[54] **HIGH-EFFICIENCY MACHINE**
[54] **MACHINE A HAUTE EFFICACITE**
[72] MORAN, MATTHEW, US
[71] MORAN, MATTHEW, US
[85] 2024-05-22
[86] 2022-12-02 (PCT/US2022/051630)
[87] (WO2023/102171)
[30] US (63/285,380) 2021-12-02

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[13] A1
[51] **Int.Cl. B65D 65/46 (2006.01) C12P 7/625 (2022.01) B65D 65/40 (2006.01) C08J 5/18 (2006.01)**
[25] EN
[54] **PACKAGING MATERIAL**
[54] **MATERIAU D'EMBALLAGE**
[72] MCKEOWN, MURAT SEAN, US
[72] GILPATRICK, WILLIAM, US
[72] SLOAT, JEFFREY T., US
[72] KENZLO, PHILLIP, US
[71] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2024-05-22
[86] 2022-12-09 (PCT/US2022/052328)
[87] (WO2023/107656)
[30] US (63/288,218) 2021-12-10

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[13] A1
[51] **Int.Cl. E06B 9/52 (2006.01) A47H 23/01 (2006.01) A47H 23/02 (2006.01) E05C 19/16 (2006.01) E06B 9/54 (2006.01)**
[25] EN
[54] **ENTRYWAY PANEL WITH MAGNETIC CLOSURE AND METHODS OF INSTALLATION**
[54] **PANNEAU D'ENTREE A FERMETURE MAGNETIQUE ET PROCEDES D'INSTALLATION**
[72] WHITTEMORE, JEFFREY P., US
[71] ZIPWALL, LLC, US
[85] 2024-05-22
[86] 2022-11-16 (PCT/US2022/050032)
[87] (WO2023/096792)
[30] US (63/282,285) 2021-11-23

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[13] A1
[51] **Int.Cl. C07K 16/46 (2006.01) A61K 39/395 (2006.01) C12N 5/10 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **CD47/PD-L1-TARGETING PROTEIN COMPLEX AND METHODS OF USE THEREOF**
[54] **COMPLEXE DE PROTEINE CIBLANT CD47/PD-L1 ET SES PROCEDES D'UTILISATION**
[72] WANG, JIIN-TARNG, TW
[72] TSENG, CHI-LING, TW
[72] JUO, ZONG SEAN, TW
[71] FBD BIOLOGICS LIMITED, CN
[85] 2024-05-22
[86] 2022-12-16 (PCT/US2022/053125)
[87] (WO2023/140950)
[30] US (63/300,440) 2022-01-18

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[13] A1
[51] **Int.Cl. B60L 53/30 (2019.01) B60L 53/62 (2019.01) B60L 53/66 (2019.01) B60L 53/67 (2019.01) B60L 58/12 (2019.01)**
[25] EN
[54] **CHARGING MANAGEMENT FOR ELECTRIC WORK VEHICLES**
[54] **GESTION DE CHARGE POUR VEHICULES DE TRAVAIL ELECTRIQUES**
[72] TWIGGER, THOMAS L., US
[72] GAHLINGS, STEVEN A., US
[71] CATERPILLAR INC., US
[85] 2024-05-22
[86] 2022-11-22 (PCT/US2022/080305)
[87] (WO2023/102334)
[30] GB (2117516.1) 2021-12-03

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) C07K 16/18 (2006.01)**
[25] EN
[54] **ANTI-TREM2 ANTIBODY AND USES THEREOF**
[54] **ANTICORPS ANTI-TREM2 ET SES UTILISATIONS**
[72] PAPAPETROPOULOS, SPYRIDON, US
[72] THACKABERRY, EVAN ANDREW, US
[72] STILES, DAVID K., US
[72] MARSH, ANDREW J., US
[72] O'MARA, RYAN, US
[71] VIGIL NEUROSCIENCE, INC., US
[85] 2024-05-22
[86] 2022-11-22 (PCT/US2022/080342)
[87] (WO2023/092146)
[30] GR (20210100820) 2021-11-22
[30] US (63/264,428) 2021-11-22
[30] US (63/381,897) 2022-11-01

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[13] A1
[51] **Int.Cl. G06F 3/01 (2006.01) G06T 19/00 (2011.01) G16Z 99/00 (2019.01) A41H 43/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM TO PROVIDE MULTISENSORY DIGITAL INTERACTION EXPERIENCES**
[54] **PROCEDE ET SYSTEME POUR FOURNIR DES EXPERIENCES D'INTERACTION NUMERIQUES MULTISENSORIELLES**
[72] CALDER, ELLISA KATHLEEN, CA
[72] MCGEE, TIMOTHY RYAN, CA
[72] RYDER, DANIEL PATRICK, CA
[72] PARNES ROGOWSKY, SARAH RENEE, CA
[72] JUNCHAYA, PIENGPATOU CLARISSA, CA
[72] YUST, CHARLES, CA
[72] BAIRD, TAMMY, CA
[72] HSU, HO-WEI, CA
[72] CRIMI, ANTONELLO, CA
[72] SAEGUSA, HIDEKAZU, CA
[71] LULULEMON ATHLETICA CANADA INC., CA
[85] 2024-05-22
[86] 2022-11-24 (PCT/CA2022/051728)
[87] (WO2023/092229)
[30] US (63/283,357) 2021-11-26

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[13] A1
[51] **Int.Cl. A01B 61/04 (2006.01)**
[25] EN
[54] **A DEVICE TO PROTECT A WORK TOOL OF AN AGRICULTURAL MACHINE**
[54] **DISPOSITIF POUR PROTEGER UN OUTIL DE TRAVAIL D'UNE MACHINE AGRICOLE**
[72] SMOLA, TOMAS, CZ
[72] NYC, MICHAL, CZ
[72] BINAR, LUBOS, CZ
[72] LUKASEK, PETR, CZ
[71] FARMET A.S., CZ
[85] 2024-05-22
[86] 2022-11-21 (PCT/CZ2022/000046)
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[30] CZ (PV 2021-529) 2021-11-23

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[13] A1
[51] **Int.Cl. G06V 20/10 (2022.01) G06Q 10/08 (2023.01) G06V 20/68 (2022.01) A01D 46/30 (2006.01)**
[25] EN
[54] **ARRANGEMENT FOR CLASSIFYING PLANT EMBRYOS**
[54] **AGENCEMENT POUR LA CLASSIFICATION D'EMBRYONS VEGETAUX**
[72] BERNHARDT, ELMAR, FI
[72] HAVIA, ELINA KATARINA, FI
[72] JANKKO, TERO-MARKUS, FI
[72] LEINONEN, HANNU, FI
[72] MONTONEN, HENRI, FI
[72] TIKKINEN, MIKKO, FI
[72] ARONEN, TUIJA, FI
[72] VALIMAKI, SAKARI, FI
[72] VARIS, SAILA, FI
[71] KAAKKOIS-SUOMEN AMMATTIKORKEAKOULU OY, FI
[71] LUONNONVARAKESKUS, FI
[85] 2024-05-22
[86] 2022-11-24 (PCT/FI2022/050786)
[87] (WO2023/094731)
[30] FI (20216202) 2021-11-25

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61P 17/06 (2006.01)**
[25] EN
[54] **ANTISENSE OLIGONUCLEOTIDE FOR USE IN THE TREATMENT OF PSORIASIS-INDUCED ITCHING AND PHOSPHOLIPID VESICLE COMPRISING SAID OLIGONUCLEOTIDE**
[54] **OLIGONUCLEOTIDE ANTISENS DESTINE A ETRE UTILISE DANS LE TRAITEMENT DES DEMANGEAISONS INDUITES PAR LE PSORIASIS ET VESICULE PHOSPHOLIPIDIQUE COMPRENANT LEDIT OLIGONUCLEOTIDE**
[72] NASSINI, ROMINA, IT
[72] DE LOGU, FRANCESCO, IT
[72] GEPPETTI, PIERANGELO, IT
[71] FLONEXT S.R.L., IT
[85] 2024-05-22
[86] 2022-11-23 (PCT/IB2022/061349)
[87] (WO2023/095030)
[30] IT (102021000029894) 2021-11-25

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[13] A1
[51] **Int.Cl. F04D 15/00 (2006.01) E03F 5/22 (2006.01)**
[25] EN
[54] **WATER-DISCHARGE PUMP APPARATUS, WATER-DISCHARGE PUMP MANAGEMENT SYSTEM, WATER-DISCHARGE PUMP SUPPORT PLAN CREATING APPARATUS, INFERENCE APPARATUS, MACHINE-LEARNING APPARATUS, WATER-DISCHARGE PUMP SUPPORT PLAN CREATING METHOD, INFERENCE METHOD, AND MACHINE-LEARNING METHOD**
[54] **DISPOSITIF DE POMPE DE DRAINAGE, SYSTEME DE GESTION DE POMPE DE DRAINAGE, DISPOSITIF DE CREATION DE PLAN DE SUPPORT DE POMPE DE DRAINAGE, DISPOSITIF D'INFERENCE, DISPOSITIF D'APPRENTISSAGE AUTOMATIQUE, PROCEDE DE CREATION DE PLAN DE SUPPORT DE POMPE DE DRAINAGE, PROCEDE D'INFERENCE, ET PROCEDE D'APPRENTISSAGE AUTOMATIQUE**
[72] SUGIYAMA, KAZUHIKO, JP
[72] HARADA, YOSUKE, JP
[72] IWAMOTO, HIDEYUKI, JP
[72] OKAMOTO, SHIGERU, JP
[71] EBARA CORPORATION, JP
[85] 2024-05-22
[86] 2022-09-26 (PCT/JP2022/035642)
[87] (WO2023/105891)
[30] JP (2021-198169) 2021-12-07

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[13] A1
[51] **Int.Cl. G01M 15/14 (2006.01) F02K 9/96 (2006.01)**
[25] EN
[54] **LABORATORY STAND FOR STUDYING THE EFFECT OF ACCELERATION ON THE LINEAR BURNING RATE OF SOLID ROCKET PROPELLANTS**
[54] **STATIF DE LABORATOIRE POUR ETUDIER L'EFFET D'ACCELERATION SUR LE TAUX DE COMBUSTION LINEAIRE DE PROPERGOLS SOLIDES**
[72] KINDRACKI, JAN, PL
[72] WACKO, KRZYSZTOF, PL
[72] WOZNIAK, PRZEMYSLAW, PL
[72] MEZYK, LUKASZ, PL
[71] POLITECHNIKA WARSZAWSKA, PL
[85] 2024-05-22
[86] 2022-12-16 (PCT/PL2022/050094)
[87] (WO2023/113628)
[30] PL (P.439880) 2021-12-17

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[13] A1
[51] **Int.Cl. A61P 25/28 (2006.01) C07D 401/14 (2006.01) C07D 403/14 (2006.01) C07D 405/14 (2006.01) C07D 409/14 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **HETEROCYCLIC SUBSTITUTED 1,3,4-THIADIAZOLE AND PYRIDAZINE COMPOUNDS AND METHODS OF USING THE SAME**
[54] **COMPOSES DE 1,3,4-THIADIAZOLE ET DE PYRIDAZINE SUBSTITUES HETEROCYCLIQUES ET LEURS PROCEDES D'UTILISATION**
[72] WAGER, TRAVIS T., US
[72] WENG, ZHIPING, US
[72] XI, HUALIN SIMON, US
[71] RGENTA THERAPEUTICS, INC., US
[85] 2024-05-22
[86] 2022-11-22 (PCT/US2022/080352)
[87] (WO2023/092149)
[30] US (63/281,988) 2021-11-22

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[13] A1
[51] **Int.Cl. A61B 5/085 (2006.01) A61B 5/08 (2006.01)**
[25] EN
[54] **SYSTEMS FOR EVALUATING RESPIRATORY FUNCTION USING FORCED OSCILLATION TECHNIQUE (FOT) OSCILLOMETRY**
[54] **SYSTEMES POUR EVALUER LA FONCTION RESPIRATOIRE A L'AIDE D'UNE OSCILLOMETRIE A TECHNIQUE D'OSCILLATION FORCEE (FOT)**
[72] COLE, JESSE J., US
[72] LICHTER, PATRICK A., US
[72] KNUESEL, ROBERT J., US
[72] ALEXANDER, ANDREW T., US
[71] RESPIRATORY SCIENCES, INC., US
[85] 2024-05-22
[86] 2022-11-23 (PCT/US2022/080456)
[87] (WO2023/097299)
[30] US (63/282,409) 2021-11-23

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[13] A1
[51] **Int.Cl. A61K 8/9711 (2017.01) A61K 8/9722 (2017.01) A61K 36/05 (2006.01) A61P 17/00 (2006.01) A61Q 19/00 (2006.01) A61K 8/99 (2017.01)**
[25] EN
[54] **SKIN CARE COMPOSITIONS AND METHODS FOR REGULATING SEBUM PRODUCTION**
[54] **COMPOSITIONS DE SOINS DE LA PEAU ET PROCEDES DE REGULATION DE LA PRODUCTION DE SEBUM**
[72] CORNELL, MARC, US
[72] PALDUS, BARBARA A., US
[71] CODEX LABS CORPORATION, US
[85] 2024-05-22
[86] 2022-12-07 (PCT/US2022/081051)
[87] (WO2023/107973)
[30] US (17/545,206) 2021-12-08

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[13] A1
[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/454 (2006.01) A61K 31/4545 (2006.01) A61K 31/4709 (2006.01) A61P 35/00 (2006.01) C07D 401/14 (2006.01) C07D 405/14 (2006.01)**
[25] EN
[54] **IKAROS ZINC FINGER FAMILY DEGRADERS AND USES THEREOF**
[54] **AGENTS DE DEGRADATION DE DOIGT DE ZINC DE LA FAMILLE IKAROS ET UTILISATIONS ASSOCIEES**
[72] BALAN, GAYATRI, US
[72] BLOMGREN, PETER A., US
[72] CODELLI, JULIAN A., US
[72] DU, ZHIMIN, US
[72] KIM, MUSONG, US
[72] THOMAS-TRAN, RHIANNON, US
[72] TUDESCO, MICHAEL T., US
[72] VENKATARAMANI, CHANDRASEKAR, US
[71] GILEAD SCIENCES, INC., US
[85] 2024-05-22
[86] 2022-12-20 (PCT/US2022/082011)
[87] (WO2023/122581)
[30] US (63/292,617) 2021-12-22

[21] **3,239,576**
[13] A1
[51] **Int.Cl. H04L 67/1396 (2022.01) G06F 16/958 (2019.01) G06Q 30/0251 (2023.01)**
[25] EN
[54] **MACHINE-LEARNING ARCHITECTURE FOR DEFINING END USER AUDIENCES FOR AUTOMATED ONLINE CONTENT SELECTION**
[54] **ARCHITECTURE D'APPRENTISSAGE MACHINE POUR DEFINIR DES AUDIENCES D'UTILISATEURS FINAUX POUR UNE SELECTION AUTOMATISEE DE CONTENU EN LIGNE**
[72] DIMITROV, NEDIALKO BOYANOV, CA
[72] RAFIYEV, YAHYA, CA
[72] LUO, RUIZE, CA
[71] STACKADAPT INC., CA
[85] 2024-05-23
[86] 2022-11-21 (PCT/CA2022/051709)
[87] (WO2023/097390)
[30] US (63/284,974) 2021-12-01

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[13] A1
[51] **Int.Cl. C09J 7/30 (2018.01) C09J 7/24 (2018.01) C08J 7/043 (2020.01) C09J 201/02 (2006.01) C09D 5/16 (2006.01)**
[25] EN
[54] **SUPERHYDROPHOBIC COATINGS, COMPOSITIONS AND METHODS**
[54] **REVETEMENTS SUPERHYDROPHOBES, COMPOSITIONS ET PROCEDES**
[72] GILMOUR, DAMON J., CA
[72] TOMKOVIC, TANJA, CA
[72] HATZIKIRIAKOS, SAVVAS G., CA
[72] SCHAFER, LAUREL L., CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2024-05-23
[86] 2022-11-23 (PCT/CA2022/051722)
[87] (WO2023/092225)
[30] US (63/283,191) 2021-11-24

[21] **3,239,582**
[13] A1
[51] **Int.Cl. H01M 4/1397 (2010.01) H01M 4/62 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING LITHIUM METAL PHOSPHATE (LMP) CATHODE MATERIALS**
[54] **PROCEDE DE PREPARATION DE MATERIAUX DE CATHODE A BASE DE PHOSPHATE METALLIQUE DE LITHIUM (LMP)**
[72] HADIDI, LIDA, CA
[72] CAMPBELL, STEPHEN A., CA
[72] SEIP, ADAM JOHN, CA
[71] NANO ONE MATERIALS CORP., CA
[85] 2024-05-23
[86] 2023-01-20 (PCT/CA2023/050056)
[87] (WO2023/137546)
[30] US (63/301,767) 2022-01-21

[21] **3,239,584**
[13] A1
[51] **Int.Cl. B01F 23/50 (2022.01) B01F 35/71 (2022.01)**
[25] EN
[54] **APPARATUS FOR INJECTION OF A POWDER REAGENT INTO THE FLOW OF A PETROLEUM PRODUCT AND PLANT FOR TRANSPORTATION OF PETROLEUM PRODUCTS**
[54] **APPAREIL D'INJECTION D'UN REACTIF SOUS FORME DE POUDRE DANS L'ECOULEMENT D'UN PRODUIT PETROLIER ET INSTALLATION DE TRANSPORT DE PRODUITS PETROLIERS**
[72] TACHANOV, ALEKSANDR GRIGORIEVICH, RU
[72] FAKHRAZIEV, ARTUR TALGATOVICH, RU
[72] NIKITIN, ALEKSANDR ALEKSANDROVICH, RU
[72] MALYKHIN, IGOR ALEKSANDROVICH, RU
[71] IRIS TECH, INC., US
[85] 2024-05-23
[86] 2022-10-18 (PCT/US2022/046940)
[87] (WO2023/132877)
[30] US (17/568.074) 2022-01-04

[21] **3,239,587**
[13] A1
[51] **Int.Cl. C10M 107/10 (2006.01) C10M 107/28 (2006.01) C10M 129/08 (2006.01) C10M 129/40 (2006.01) C10M 133/04 (2006.01) C10M 133/16 (2006.01)**
[25] EN
[54] **DRAG REDUCING AGENT CONTAINING A GREAT AMOUNT OF AN ACTIVE BASE**
[54] **ADDITIF REDUCTEUR DE FROTTEMENT CONTENANT UNE GRANDE QUANTITE D'UNE BASE ACTIVE**
[72] MOROZOV, VLADIMIR DMITRIEVICH, RU
[72] NIKITIN, ALEKSANDR ALEKSANDROVICH, RU
[72] MALYKHIN, IGOR ALEKSANDROVICH, RU
[71] IRIS TECH, INC., US
[85] 2024-05-23
[86] 2022-10-18 (PCT/US2022/046942)
[87] (WO2023/132879)
[30] US (17/568,193) 2022-01-04

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[13] A1
[51] **Int.Cl. H10N 60/12 (2023.01) B82Y 10/00 (2011.01) G06N 10/20 (2022.01) H10N 60/80 (2023.01)**
[25] EN
[54] **QUDITS EMPLOYING NONLINEAR DIELECTRICS**
[54] **QUDITS UTILISANT DES DIELECTRIQUES NON LINEAIRES**
[72] MILLER, JR., JOHN H., US
[71] UNIVERSITY OF HOUSTON SYSTEM, US
[85] 2024-05-23
[86] 2022-11-04 (PCT/US2022/049041)
[87] (WO2023/211495)
[30] US (63/275,528) 2021-11-04

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[13] A1
[51] **Int.Cl. F21S 41/25 (2018.01) F21V 33/00 (2006.01) F21V 23/04 (2006.01) G02B 6/42 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PORTABLE, SAFETY LIGHTING**
[54] **SYSTEME ET PROCEDE D'ECLAIRAGE DE SECURITE PORTATIF**
[72] KELLER, CHADWICK, US
[72] DIR, RON, US
[71] ARCHANGEL DEVICE LLC, US
[85] 2024-05-23
[86] 2022-11-23 (PCT/US2022/050964)
[87] (WO2023/097044)
[30] US (63/283,039) 2021-11-24

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[13] A1
[51] **Int.Cl. E04F 13/08 (2006.01) E04F 13/07 (2006.01) E04F 13/074 (2006.01) E04F 13/21 (2006.01) E04F 13/22 (2006.01) E04F 19/04 (2006.01) H02G 3/30 (2006.01) H02G 3/32 (2006.01)**
[25] EN
[54] **ARRAY MOUNTING ASSEMBLY**
[54] **ENSEMBLE DE MONTAGE EN RESEAU**
[72] DETTLER, ANDRE, US
[72] STONELAKE, TIM, US
[71] LATCH SYSTEMS, INC., US
[85] 2024-05-23
[86] 2022-11-30 (PCT/US2022/051359)
[87] (WO2023/102019)
[30] US (63/284,277) 2021-11-30
[30] US (18/071,953) 2022-11-30

[21] **3,239,633**
[13] A1
[51] **Int.Cl. G16B 30/00 (2019.01)**
[25] EN
[54] **SYSTEM FOR EVALUATING THE QUALITY OF MESENCHYMAL STROMAL CELLS**
[54] **SYSTEME D'EVALUATION DE LA QUALITE DE CELLULES SOUCHES**
[72] KANG, YUJIAN JAMES, CN
[72] ZHANG, JINLAI, CN
[72] MA, FEI, CN
[71] TASLY STEM CELL BIOLOGY LABORATORY, TASLY GROUP, LTD., CN
[85] 2024-05-23
[86] 2022-12-16 (PCT/CN2022/139595)
[87] (WO2023/134391)
[30] CN (202210043060.6) 2022-01-14

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[13] A1
[51] **Int.Cl. G16B 40/00 (2019.01) G16B 20/20 (2019.01) G16B 20/30 (2019.01) G16B 25/10 (2019.01)**
[25] EN
[54] **METHOD FOR EVALUATING THE QUALITY OF MESENCHYMAL STROMAL CELLS**
[54] **PROCEDE D'EVALUATION DE LA QUALITE DE CELLULES SOUCHES**
[72] KANG, YUJIAN JAMES, CN
[72] ZHANG, JINLAI, CN
[72] MA, FEI, CN
[71] TASLY STEM CELL BIOLOGY LABORATORY, TASLY GROUP, LTD., CN
[85] 2024-05-23
[86] 2022-12-16 (PCT/CN2022/139581)
[87] (WO2023/134390)
[30] CN (202210047039.3) 2022-01-14

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[13] A1
[51] **Int.Cl. A61N 1/39 (2006.01) A61N 1/04 (2006.01)**
[25] EN
[54] **GARMENT FEATURES FOR THERAPY ELECTRODE PRESSURE AND/OR STABILIZATION IN A WEARABLE MEDICAL DEVICE**
[54] **CARACTERISTIQUES DE VETEMENT PERMETTANT UNE PRESSION ET/OU UNE STABILISATION D'ELECTRODES THERAPEUTIQUES D'UN DISPOSITIF MEDICAL POUVANT ETRE PORTE**
[72] RUSTAGI, SUNAINA, US
[72] SWENGLISH, CHRISTOPHER LAWRENCE, US
[72] ALIZADEH-MEGHRAZI, MILAD, CA
[72] CHAHINE, TONY, CA
[72] ESKANDARIAN, LADAN, CA
[71] ZOLL MEDICAL CORPORATION, US
[85] 2024-05-23
[86] 2022-12-05 (PCT/US2022/051875)
[87] (WO2023/107404)
[30] US (63/286,454) 2021-12-06

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[13] A1
[51] **Int.Cl. A61N 1/372 (2006.01) A61B 5/11 (2006.01) A61B 5/00 (2006.01) A61N 1/36 (2006.01) A61N 1/37 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR MONITORING OR ASSESSING MOVEMENT DISORDERS OR OTHER PHYSIOLOGICAL PARAMETERS USING A STIMULATION SYSTEM**
[54] **PROCEDES ET SYSTEMES POUR SURVEILLER OU EVALUER DES TROUBLES DU MOUVEMENT OU D'AUTRES PARAMETRES PHYSIOLOGIQUES A L'AIDE D'UN SYSTEME DE STIMULATION**
[72] MOORE, LISA DENISE, US
[72] HADDOCK, ANDREW JAMES, US
[72] JAYAKUMAR, ADARSH, US
[71] BOSTON SCIENTIFIC NEUROMODULATION CORPORATION, US
[85] 2024-05-23
[86] 2022-12-06 (PCT/US2022/051966)
[87] (WO2023/107457)
[30] US (63/287,775) 2021-12-09

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[13] A1
[51] **Int.Cl. A61M 1/16 (2006.01) A61M 1/36 (2006.01)**
[25] EN
[54] **COMPOUNDS, SYSTEMS, AND TECHNIQUES FOR REMOVAL OF PERIPHERAL AMYLOID BETA PEPTIDE WITH ALBUMIN BINDING COMPETITORS**
[54] **COMPOSES, SYSTEMES ET TECHNIQUES D'ELIMINATION DE PEPTIDE BETA-AMYLOIDE PERIPHERIQUE AU MOYEN DE COMPETITEURS DE LIAISON A L'ALBUMINE**
[72] TAO, XIA, US
[72] KOTANKO, PETER, US
[72] THIJSSEN, STEPHAN, US
[72] MAHESHWARI, VAIBHAV, US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2024-05-23
[86] 2022-12-19 (PCT/US2022/053326)
[87] (WO2023/121999)
[30] US (63/293,122) 2021-12-23

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[13] A1
[51] **Int.Cl. A47B 87/02 (2006.01)**
[25] EN
[54] **SHELF**
[54] **UNITE DE RAYONNAGE**
[72] MERTES, ROLF, DE
[72] SZLAPKA, TIMO, DE
[72] STAUFENBERG, GERRIT, DE
[71] PAUL HETTICH GMBH & CO. KG, DE
[85] 2024-05-23
[86] 2022-11-15 (PCT/EP2022/081918)
[87] (WO2023/094211)
[30] DE (10 2021 131 300.7) 2021-11-29

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[13] A1
[51] **Int.Cl. E04G 9/02 (2006.01) G01M 13/005 (2019.01) E04G 9/10 (2006.01)**
[25] EN
[54] **SHUTTERING ELEMENT**
[54] **ELEMENT DE COFFRAGE**
[72] STAUDENRAUSCH, GUNTHER, DE
[72] SPIEGL, ANDREAS, DE
[72] RUSCH, PHILIPP, DE
[72] STORK, MARTIN, DE
[71] PERI SE, DE
[85] 2024-05-23
[86] 2022-11-17 (PCT/EP2022/082248)
[87] (WO2023/094255)
[30] DE (10 2021 131 124.1) 2021-11-26

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[13] A1
[51] **Int.Cl. C09D 123/08 (2006.01) B32B 15/00 (2006.01) B32B 15/085 (2006.01)**
[25] EN
[54] **EXTRUSION SINGLE LAYER COATINGS**
[54] **REVETEMENTS MONOCOUCHES PAR EXTRUSION**
[72] DE ZEEUW, ARD, DE
[72] GUTIERREZ DIAZ, JORDAN, DE
[72] TROLL, ANGELIKA, DE
[72] OLIVA, RAMONA, DE
[72] KLUG, CHRISTIAN, DE
[72] KASPER, DIRK, DE
[72] MUELLER, MARKUS, DE
[72] HACHMANN-THIESSEN, HEIKO, DE
[71] HENKEL AG & CO. KGAA, DE
[71] NOVELIS INC., US
[85] 2024-05-23
[86] 2022-11-23 (PCT/EP2022/083005)
[87] (WO2023/094462)
[30] EP (21210535.7) 2021-11-25

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[13] A1
[51] **Int.Cl. B29C 64/106 (2017.01) B33Y 10/00 (2015.01) B33Y 30/00 (2015.01) B33Y 40/20 (2020.01) B33Y 70/10 (2020.01) B29C 70/38 (2006.01) C04B 35/00 (2006.01)**
[25] EN
[54] **METHODS OF FORMING A STRUCTURE, AND RELATED TOOLS FOR ADDITIVELY MANUFACTURING THE STRUCTURE**
[54] **PROCEDES DE FORMATION D'UNE STRUCTURE, ET OUTILS ASSOCIES PERMETTANT LA FABRICATION ADDITIVE DE LA STRUCTURE**
[72] GARCIA, BENJAMIN W., US
[72] BARNES, ERIC G., US
[71] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2024-05-23
[86] 2022-11-16 (PCT/US2022/079959)
[87] (WO2023/114601)
[30] US (17/553,581) 2021-12-16

[21] **3,239,643**
[13] A1
[51] **Int.Cl. C12Q 1/6832 (2018.01)**
[25] EN
[54] **A MULTIPLEXED FLUORESCENCE IN SITU HYBRIDIZATION METHOD CAPABLE OF RAPID DETECTION OF BILLIONS OF TARGETS**
[54] **PROCEDE D'HYBRIDATION IN SITU PAR FLUORESCENCE MULTIPLEXEE CAPABLE DE DETECTER RAPIDEMENT DES MILLIARDS DE CIBLES**
[72] BURNHAM, PHILIP S., US
[72] BRONSON, HANNAH, US
[72] DE VLAMINCK, IWIJN, US
[72] CHENG, MATTHEW P., US
[72] SHI, HAO, US
[72] SEHGAL, PRATEEK, US
[72] BOOTH, GREGORY T., US
[71] KANVAS BIOSCIENCES, INC, US
[85] 2024-05-23
[86] 2022-11-22 (PCT/US2022/080355)
[87] (WO2023/097231)
[30] US (63/282,947) 2021-11-24
[30] US (63/339,291) 2022-05-06

[21] **3,239,647**
[13] A1
[51] **Int.Cl. G06Q 10/04 (2023.01)**
[25] EN
[54] **DETERMINING AN EXCLUSION ZONE IN A WORKSPACE OF TRANSPORT DEVICES**
[54] **DETERMINATION D'UNE ZONE D'EXCLUSION DANS UN ESPACE DE TRAVAIL DE DISPOSITIFS DE TRANSPORT**
[72] PEARMAN, CHRISTOPHER, GB
[72] ELDER, THOMAS, GB
[72] SCHUCHART, JONATHAN, GB
[71] OCADO INNOVATION LIMITED, US
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[87] (WO2023/094634)
[30] GB (2117095.6) 2021-11-26

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[13] A1
[51] **Int.Cl. B65G 1/04 (2006.01) G06V 10/82 (2022.01) B65G 1/137 (2006.01) G05D 1/00 (2024.01)**
[25] EN
[54] **DETECTING A TRANSPORT DEVICE IN A WORKSPACE**
[54] **DETECTION D'UN DISPOSITIF DE TRANSPORT DANS UN ESPACE DE TRAVAIL**
[72] DIMITROVSKI, MIHAIL, GB
[72] AVRAMOV, HRISTO, GB
[71] OCADO INNOVATION LIMITED, US
[85] 2024-05-23
[86] 2022-11-25 (PCT/EP2022/083344)
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[30] GB (2117123.6) 2021-11-26

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[25] EN
[54] **SHORT STATURE CORN PLANTS WITH IMPROVED SILAGE TRAITS**
[54] **PLANTS DE MAIS DE PETITE TAILLE PRESENTANT DES CARACTERISTIQUES D'ENSILAGE AMELIOREES**
[72] BARTEN, TY, US
[72] BOURDONCLE, WILLIAM, US
[72] CARGILL, EDWARD, US
[72] HALL, MICHAEL A., US
[72] KINSER, JOSHUA D., US
[72] LEMKE, BRYCE, US
[72] MALONEY, JOSEPH F., US
[72] MALONEY, PETER, US
[72] MANJUNATH, SIVALINGANNA, US
[72] PELLET, JEAN-LUC, US
[72] SLEWINSKI, THOMAS L., US
[71] MONSANTO TECHNOLOGY LLC, US
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[30] US (63/283,080) 2021-11-24
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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/70 (2006.01) A61M 5/32 (2006.01) A61M 25/00 (2006.01) A61M 37/00 (2006.01)**
[25] EN
[54] **APPLICATION AID**
[54] **AUXILIAIRE D'APPLICATION D'UN FILM ORODISPERSIBLE**
[72] MULLER, MARKUS, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2024-05-23
[86] 2022-11-25 (PCT/EP2022/083375)
[87] (WO2023/094638)
[30] DE (10 2021 130 950.6) 2021-11-25

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[13] A1
[51] **Int.Cl. C08F 2/01 (2006.01) C08F 2/00 (2006.01) C08F 10/00 (2006.01) C08F 210/06 (2006.01) C08L 23/14 (2006.01)**
[25] EN
[54] **SAMPLING POLYOLEFIN INTERMEDIATES METHOD**
[54] **METHODE D'ECHANTILLONNAGE D'INTERMEDIAIRES DE POLYOLEFINE**
[72] BERGSTRA, MICHIEL, BE
[72] CASTRO, PASCAL, FI
[72] LESKINEN, PAULI, FI
[72] ELOVAINIO, ERNO, FI
[72] KIVELA, JOUNI, FI
[72] ZITTING, SAMULI, FI
[71] BOREALIS AG, AT
[85] 2024-05-23
[86] 2022-11-29 (PCT/EP2022/083593)
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[25] EN
[54] **UNDERWATER CLEANING ROBOT**
[54] **ROBOT DE NETTOYAGE SOUS-MARIN**
[72] WINKLER, ROLAND, CH
[71] MARINER 3S AG, CH
[85] 2024-05-23
[86] 2022-12-01 (PCT/EP2022/084033)
[87] (WO2023/104628)
[30] EP (21212476.2) 2021-12-06

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[13] A1
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[25] EN
[54] **METHODS OF USING RAR.GAMMA. AGONISTS FOR CANCER TREATMENT**
[54] **METHODES D'UTILISATION D'AGONISTES RARY.GAMMA. POUR LE TRAITEMENT DU CANCER**
[72] SANDERS, MARTIN E., US
[72] VULIGONDA, VIDYASAGAR, US
[71] IO THERAPEUTICS, INC., US
[85] 2024-05-23
[86] 2022-11-23 (PCT/US2022/080408)
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[30] US (63/282,547) 2021-11-23

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[25] EN
[54] **LINE ARRAY WINDING AND DEPLOYMENT SYSTEM**
[54] **SYSTEME D'ENROULEMENT ET DE DEPLOIEMENT DE RESEAU DE LIGNES**
[72] MISULIA, JOSEPH, US
[72] CARLSTEN, CURTIS B., US
[71] RAYTHEON COMPANY, US
[85] 2024-05-23
[86] 2022-11-29 (PCT/US2022/080570)
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[30] US (63/284,296) 2021-11-30

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[13] A1
[51] **Int.Cl. F24H 3/02 (2022.01) F24H 3/00 (2006.01) F24H 3/04 (2022.01)**
[25] EN
[54] **PORTABLE BLOWER ASSEMBLY**
[54] **ENSEMBLE DE SOUFFLAGE PORTATIF**
[72] SMITH, GLENN, US
[71] SMITH, GLENN, US
[85] 2024-05-23
[86] 2022-05-24 (PCT/US2022/030631)
[87] (WO2022/251147)
[30] US (17/329,846) 2021-05-25

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[51] **Int.Cl. H02J 13/00 (2006.01) H01F 27/00 (2006.01) H01F 27/24 (2006.01) H01F 27/26 (2006.01) H01F 30/12 (2006.01)**
[25] EN
[54] **POWER CONTROL APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE COMMANDE DE PUISSANCE**
[72] SCOBIE, ANDREW JOHN, GB
[72] WAN, YIHONG, GB
[72] LANDSBERGER, HANS-THOMAS, GB
[71] ENODA LTD., GB
[85] 2024-05-23
[86] 2022-12-02 (PCT/EP2022/084189)
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[30] GB (2117697.9) 2021-12-08

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[13] A1
[51] **Int.Cl. A61D 7/00 (2006.01) A61M 5/20 (2006.01)**
[25] EN
[54] **VETERINARY SYRINGE**
[54] **SERINGUE VETERINAIRE**
[72] EISELE, MELANIE, DE
[71] HENKE-SASS, WOLF GMBH, DE
[85] 2024-05-23
[86] 2022-12-07 (PCT/EP2022/084760)
[87] (WO2023/117426)
[30] DE (10 2021 134 598.7) 2021-12-23

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[13] A1
[51] **Int.Cl. B66B 13/30 (2006.01) B66B 13/14 (2006.01)**
[25] EN
[54] **ELEVATOR SYSTEM FOR SERVING FLOORS IN A BUILDING WITH MIXED USE**
[54] **SYSTEME D'ASCENSEUR POUR LA DESSERTE D'ETAGES DANS UN BATIMENT A UTILISATION MIXTE**
[72] FINSCHI, LUKAS, CH
[72] TROSCH, FLORIAN, CH
[71] INVENTIO AG, CH
[85] 2024-05-23
[86] 2022-12-12 (PCT/EP2022/085378)
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[30] EP (21216709.2) 2021-12-22

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[13] A1
[51] **Int.Cl. C12N 1/20 (2006.01) F24F 8/175 (2021.01) C12N 11/04 (2006.01)**
[25] EN
[54] **BIOACTIVE COATING FOR INDOOR AIR QUALITY IMPROVEMENT**
[54] **REVETEMENT BIOACTIF POUR L'AMELIORATION DE LA QUALITE DE L'AIR INTERIEUR**
[72] HANTSON, ANNE-LISE, BE
[72] CORDEIRO DE CASTRO, CRISTIANA, BE
[72] SENECHAL, TANGI, BE
[72] LAHEM, DRISS, BE
[72] POELMAN, MIREILLE, BE
[71] UNIVERSITE DE MONS, BE
[71] MATERIA NOVA, BE
[85] 2024-05-23
[86] 2022-12-16 (PCT/EP2022/086446)
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[30] GB (2118389.2) 2021-12-17

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[13] A1
[51] **Int.Cl. A61K 31/496 (2006.01) A61K 9/00 (2006.01) A61K 31/58 (2006.01) A61K 31/7036 (2006.01) A61P 31/04 (2006.01) A61P 31/10 (2006.01)**
[25] EN
[54] **A PHARMACEUTICAL COMPOSITION FOR THE TREATMENT OF OTIC INFECTIONS**
[54] **COMPOSITION PHARMACEUTIQUE POUR LE TRAITEMENT D'INFECTIONS DE L'OREILLE**
[72] MARTIN, SHARON CRUZ, US
[72] WEINGARTEN, ALLAN, US
[72] FREEHAUF, KEITH, US
[72] THIRY, JULIEN, US
[71] INTERVET INTERNATIONAL B.V., NL
[85] 2024-05-23
[86] 2022-12-19 (PCT/EP2022/086649)
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[30] US (63/291,673) 2021-12-20

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 38/13 (2006.01) A61P 27/02 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **ISOCYCLOSPORIN A FOR TOPICAL TREATMENT OF OCULAR DISEASES**
[54] **ISOCYCLOSPORINE A DESTINEE AU TRAITEMENT TOPIQUE DE MALADIES OCULAIRES**
[72] MACCHI, ILARIA, IT
[71] DOMPE' FARMACEUTICI S.P.A., IT
[85] 2024-05-23
[86] 2022-12-22 (PCT/EP2022/087581)
[87] (WO2023/118487)
[30] EP (21217735.6) 2021-12-24

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[51] **Int.Cl. A61K 31/437 (2006.01) A61K 31/498 (2006.01) A61K 31/4985 (2006.01) A61P 9/00 (2006.01) A61P 25/04 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **COMPOUNDS AND USE THEREOF AS HDAC6 INHIBITORS**
[54] **COMPOSES ET LEUR UTILISATION COMME INHIBITEURS D'HDAC6**
[72] CELANIRE, SYLVAIN, BE
[72] DOS SANTOS CARVALHO, JOAO FERNANDO, BE
[72] ROMBOUTS, FREDERIK JAN RITA, BE
[72] SENNHENN, PETER CHRISTIAN, DE
[72] CURCIO, MICHELE, BE
[72] REIS PEDRO, JOANA CATARINA, BE
[71] AUGUSTINE THERAPEUTICS, BE
[85] 2024-05-23
[86] 2022-12-22 (PCT/EP2022/087613)
[87] (WO2023/118507)
[30] EP (21217181.3) 2021-12-22
[30] EP (21217182.1) 2021-12-22

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[13] A1
[51] **Int.Cl. D21J 3/00 (2006.01) B29C 51/08 (2006.01) B65D 65/46 (2006.01) D21J 5/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING SHAPED PRODUCTS FROM MULTI-LAYER PAPER, SHAPED PRODUCT MADE OF PAPER, AND DEVICE FOR THE PRODUCTION THEREOF**
[54] **PROCEDE DE FABRICATION DE CORPS MOULES EN PAPIER MULTICOUCHE, CORPS MOULE EN PAPIER ET DISPOSITIF POUR SA FABRICATION**
[72] SCAFARTI, JENS, DE
[71] SCAFA THERMOFORMING GMBH, DE
[85] 2024-05-23
[86] 2022-10-19 (PCT/IB2022/060038)
[87] (WO2023/094910)
[30] EP (21020601.7) 2021-11-26

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[13] A1
[51] **Int.Cl. B31B 50/32 (2017.01) B65B 11/00 (2006.01) B65B 11/30 (2006.01) B65B 23/00 (2006.01) B65B 45/00 (2006.01) B65B 49/02 (2006.01) B65B 59/00 (2006.01) B65B 65/00 (2006.01) B65B 43/10 (2006.01)**
[25] EN
[54] **METHOD FOR PACKAGING ARTICLES IN BOXES AND PACKAGING DEVICE OPERATING ACCORDING TO SUCH A METHOD**
[54] **PROCEDE D'EMBALLAGE D'ARTICLES DANS DES BOITES ET DISPOSITIF D'EMBALLAGE FONCTIONNANT SELON UN TEL PROCEDE**
[72] BIONDI, ANDREA, IT
[72] CAVAZZA, LUCA, IT
[72] BERTUZZI, IVANOE, IT
[72] CAMPAGNOLI, ENRICO, IT
[72] GHINI, MARCO, IT
[72] BORDERI, LUCA, IT
[71] R.A JONES & CO., US
[85] 2024-05-23
[86] 2022-11-21 (PCT/IB2022/061226)
[87] (WO2023/094969)
[30] IT (102021000029750) 2021-11-24

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[13] A1
[51] **Int.Cl. B31B 50/00 (2017.01) B31B 50/32 (2017.01) B65B 11/00 (2006.01) B65B 11/30 (2006.01) B65B 45/00 (2006.01) B65B 49/02 (2006.01) B65B 23/00 (2006.01)**
[25] EN
[54] **METHOD FOR PACKAGING ARTICLES IN BOXES AND PACKAGING DEVICE OPERATING ACCORDING TO SUCH A METHOD**
[54] **PROCEDE D'EMBALLAGE D'ARTICLES DANS DES BOITES ET DISPOSITIF D'EMBALLAGE FONCTIONNANT SELON UN TEL PROCEDE**
[72] BIONDI, ANDREA, IT
[72] CAVAZZA, LUCA, IT
[72] BERTUZZI, IVANOE, IT
[72] CAMPAGNOLI, ENRICO, IT
[72] GHINI, MARCO, IT
[72] BORDERI, LUCA, IT
[71] R.A JONES & CO., US
[85] 2024-05-23
[86] 2022-11-21 (PCT/IB2022/061234)
[87] (WO2023/094972)
[30] IT (102021000029753) 2021-11-24

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[13] A1
[51] **Int.Cl. B65B 11/00 (2006.01) B31B 50/32 (2017.01) B65B 43/46 (2006.01) B65B 45/00 (2006.01) B65B 49/02 (2006.01) B65B 65/00 (2006.01) B65B 35/24 (2006.01)**
[25] EN
[54] **APPARATUS AND PROCESS FOR SHAPING A BOX BY WRAPPING-AROUND**
[54] **APPAREIL ET PROCEDE DE MISE EN FORME D'UNE BOITE PAR ENVELOPPEMENT**
[72] BIONDI, ANDREA, IT
[72] CAVAZZA, LUCA, IT
[72] BERTUZZI, IVANOE, IT
[72] CAMPAGNOLI, ENRICO, IT
[72] GHINI, MARCO, IT
[72] BORDERI, LUCA, IT
[71] R.A JONES & CO., US
[85] 2024-05-23
[86] 2022-11-22 (PCT/IB2022/061297)
[87] (WO2023/094997)
[30] IT (102021000029756) 2021-11-24

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[13] A1
[51] **Int.Cl. B65B 11/00 (2006.01) B65B 49/02 (2006.01) B65B 65/02 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR OPERATING ON PRODUCTS, IN PARTICULAR FOR PACKAGING ARTICLES IN BOXES**
[54] **DISPOSITIF ET PROCEDE POUR TRAVAILLER SUR DES PRODUITS, EN PARTICULIER POUR EMBALLER DES ARTICLES DANS DES BOITES**
[72] BIONDI, ANDREA, IT
[72] CAVAZZA, LUCA, IT
[72] BERTUZZI, IVANOE, IT
[72] SUMINI, VALENTINA, IT
[71] R.A JONES & CO., US
[85] 2024-05-23
[86] 2022-11-22 (PCT/IB2022/061299)
[87] (WO2023/094999)
[30] IT (102021000029762) 2021-11-24
[30] IT (102021000029765) 2021-11-24

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[13] A1
[51] **Int.Cl. A01N 25/00 (2006.01) A01N 43/40 (2006.01)**
[25] EN
[54] **METHOD OF IMPROVING PLANT GROWTH**
[54] **PROCEDE D'AMELIORATION DE LA CROISSANCE DE PLANTES**
[72] NARAYANASAMY, RAJAPANDIAN RAMANATHAN, IN
[72] GUPTA, BRIJESH KUMAR, IN
[72] NAGANUR, SUNIL, IN
[72] SANGLE, PRABHAKAR, IN
[71] UPL LIMITED, IN
[85] 2024-05-23
[86] 2022-11-23 (PCT/IB2022/061314)
[87] (WO2023/095005)
[30] IN (202121054323) 2021-11-24

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[13] A1
[51] **Int.Cl. C21B 5/00 (2006.01) C21B 5/06 (2006.01) C21B 7/00 (2006.01) C21B 13/00 (2006.01) C21C 5/28 (2006.01) C21C 5/52 (2006.01)**
[25] EN
[54] **STEELMAKING METHOD AND ASSOCIATED NETWORK OF PLANTS**
[54] **PROCEDE D'ELABORATION D'ACIER ET RESEAU D'USINES ASSOCIE**
[72] VAN VLIERBERGHE, MANFRED, BE
[72] REBOUL, JEAN-LUC DIDIER, FR
[72] SERT, DOMINIQUE, FR
[72] VAN DER STRICHT, WIM, BE
[71] ARCELORMITTAL, LU
[85] 2024-05-23
[86] 2022-12-07 (PCT/IB2022/061862)
[87] (WO2023/111779)
[30] IB (PCT/IB2021/061837) 2021-12-16

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[13] A1
[51] **Int.Cl. C07K 7/64 (2006.01) B01J 19/12 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING A SALT OF ISOCYCLOSPORIN A**
[54] **PROCEDE DE PREPARATION D'UN SEL D'ISOCICLOSPORINE A**
[72] PIUMATTI, SONIA, IT
[71] DOMPE' FARMACEUTICI S.P.A., IT
[85] 2024-05-23
[86] 2022-12-21 (PCT/IB2022/062583)
[87] (WO2023/119173)
[30] IT (102021000032651) 2021-12-24

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[13] A1
[51] **Int.Cl. A61K 49/00 (2006.01) A61K 47/69 (2017.01) A61K 9/19 (2006.01) A61K 31/724 (2006.01) A61K 47/02 (2006.01) A61K 47/12 (2006.01) A61K 47/22 (2006.01) A61K 47/26 (2006.01)**
[25] EN
[54] **INDOCYANINE COMPOUND-CONTAINING SOLID PHARMACEUTICAL COMPOSITION**
[54] **COMPOSITION PHARMACEUTIQUE SOLIDE CONTENANT UN COMPOSE D'INDOCYANINE**
[72] IKEUCHI, SATOMI, JP
[72] YAMAMOTO, AYANO, JP
[72] KATAYAMA, HIROKO, JP
[72] NAKAYA, HIROKO, JP
[72] MURAMATSU, SUMIE, JP
[71] ASTELLAS PHARMA INC., JP
[85] 2024-05-23
[86] 2022-11-25 (PCT/JP2022/043595)
[87] (WO2023/095887)
[30] JP (2021-192251) 2021-11-26

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[13] A1
[51] **Int.Cl. A61K 31/404 (2006.01) C07D 209/04 (2006.01) C07D 239/74 (2006.01)**
[25] EN
[54] **INHIBITORS OF MENIN-MLL INTERACTION**
[54] **INHIBITEURS DE L'INTERACTION MENINE-MLL**
[72] ABAGYAN, RUBEN, US
[72] PARCHINSKY, VLADISLAV ZENONOVICH, RU
[72] SAVCHUK, NIKOLAY, US
[72] IVACHTCHENKO, ALEXANDRE VASILIEVICH, US
[72] KHVAT, ALEXANDER, US
[71] BALA THERAPEUTICS, INC., US
[85] 2024-06-04
[86] 2022-12-09 (PCT/US2022/052404)
[87] (WO2023/107696)
[30] US (63/287,716) 2021-12-09
[30] US (63/306,399) 2022-02-03
[30] US (63/397,322) 2022-08-11

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[13] A1
[51] **Int.Cl. G05B 23/02 (2006.01) C02F 3/12 (2006.01) G01H 3/06 (2006.01) G01N 29/036 (2006.01) G06Q 50/00 (2024.01)**
[25] EN
[54] **WATER TREATMENT PLANT OPERATION MANAGEMENT SUPPORT SYSTEM AND OPERATION MANAGEMENT SUPPORT METHOD**
[54] **SYSTEME DE SUPPORT DE GESTION D'OPERATIONS DE STATION DE TRAITEMENT DE L'EAU ET PROCEDE DE SUPPORT DE GESTION D'OPERATIONS**
[72] SHIBATA, KAZUE, JP
[72] SUZUKI, ISSEI, JP
[71] SANKI ENGINEERING CO.,LTD., JP
[85] 2024-05-23
[86] 2022-12-12 (PCT/JP2022/045589)
[87] (WO2023/112871)
[30] JP (2021-201449) 2021-12-13

[21] **3,240,084**
[13] A1
[51] **Int.Cl. B01D 51/00 (2006.01) B01D 53/14 (2006.01) B01D 53/30 (2006.01) B01D 53/34 (2006.01) B01D 53/62 (2006.01) F23J 15/00 (2006.01) G01N 33/00 (2006.01)**
[25] EN
[54] **FLUE GAS STACK SUCTION CONTROL**
[54] **COMMANDE D'ASPIRATION DE GAZ DE COMBUSTION**
[72] VANGSNES, PETTER, NO
[71] AKER CARBON CAPTURE NORWAY AS, NO
[85] 2024-05-23
[86] 2022-11-23 (PCT/NO2022/050270)
[87] (WO2023/096497)
[30] NO (20211394) 2021-11-23

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[13] A1
[51] **Int.Cl. A61F 2/26 (2006.01)**
[25] EN
[54] **ELECTRONIC IMPLANTABLE PENILE PROSTHESIS**
[54] **PROTHESE PENIENNE IMPLANTABLE ELECTRONIQUE**
[72] SMITH, NOEL, IE
[72] MARCOS LARANGEIRA, EDUARDO, IE
[72] WATSCHKE, BRIAN P., US
[72] NOLAN, DARAGH, IE
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2024-05-23
[86] 2022-12-20 (PCT/US2022/082040)
[87] (WO2023/122606)
[30] US (63/265,808) 2021-12-21
[30] US (18/068,074) 2022-12-19

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[13] A1
[51] **Int.Cl. C09K 3/00 (2006.01) C08J 3/18 (2006.01) C08L 33/06 (2006.01) C10M 107/28 (2006.01) C08K 5/04 (2006.01) C10L 1/00 (2006.01)**
[25] EN
[54] **DRAG REDUCING AGENT**
[54] **AGENT DE REDUCTION DE FROTTEMENT**
[72] KOSTROMIN, ROMAN NIKOLAEVICH, RU
[72] NIKITIN, ALEKSANDR ALEKSANDROVICH, RU
[72] MOROZOV, VLADIMIR DMITRIEVICH, RU
[72] MALYKHIN, IGOR ALEKSANDROVICH, RU
[71] IRIS TECH, INC., US
[85] 2024-05-23
[86] 2023-03-01 (PCT/US2023/014213)
[87] (WO2023/133363)
[30] US (18/115,134) 2023-02-28

[21] **3,240,096**
[13] A1
[51] **Int.Cl. A61K 51/08 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY FOR TREATING LUNG CANCER**
[54] **POLYTHERAPIE POUR LE TRAITEMENT DU CANCER DU POUMON**
[72] AIMONE, PAOLA DANIELA, CH
[72] CHICCO, DANIELA, IT
[72] FOLITAR, ILYA, CH
[72] MARIANI, MAURIZIO F., IT
[71] NOVARTIS AG, CH
[71] ADVANCED ACCELERATOR APPLICATIONS, FR
[85] 2024-04-02
[86] 2022-11-10 (PCT/IB2022/060840)
[87] (WO2023/084445)
[30] US (63/278,621) 2021-11-12

[21] **3,240,305**
[13] A1
[51] **Int.Cl. H04L 12/46 (2006.01)**
[25] FR
[54] **MECHANISMS FOR COMMUNICATION WITH A SERVICE ACCESSIBLE VIA A TELECOMMUNICATION NETWORK TAKING INTO ACCOUNT THE MOBILITY OF SERVICES, USERS AND EQUIPMENT**
[54] **MECANISMES DE COMMUNICATION AVEC UN SERVICE ACCESSIBLE VIA UN RESEAU DE TELECOMMUNICATION PRENANT EN COMPTE LA MOBILITE DES SERVICES, DES UTILISATEURS ET DES EQUIPEMENTS**
[72] MAGONI, DAMIEN, FR
[71] UNIVERSITE DE BORDEAUX, FR
[71] INSTITUT POLYTECHNIQUE DE BORDEAUX, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2024-06-06
[86] 2022-12-11 (PCT/FR2022/052308)
[87] (WO2023/111432)
[30] FR (FR2113781) 2021-12-17

[21] **3,240,325**
[13] A1
[51] **Int.Cl. H04L 41/08 (2022.01) H04W 16/10 (2009.01) H04W 16/14 (2009.01) H04W 24/02 (2009.01) H04L 47/122 (2022.01) H04L 41/0896 (2022.01) H04L 47/24 (2022.01) H04L 49/351 (2022.01) H04W 72/1263 (2023.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INTERFERENCE MITIGATION AND CONGESTION CONTROL THROUGH CROSS LAYER COGNITIVE COMMUNICATIONS AND INTELLIGENT ROUTING**
[54] **SYSTEME ET PROCEDE D'ATTENUATION D'INTERFERENCE ET DE GESTION D'ENCOMBREMENT PAR DES COMMUNICATIONS COGNITIVES A COUCHES CROISEES ET ROUTAGE INTELLIGENT**
[72] MODY, APURVA N., US
[72] CROMPTON, BRYAN, US
[72] ISLAM, JUNAID, US
[72] SIMPSON, DAVID, US
[72] TRAN, DAP MINH, US
[72] MELODIA, TOMMASO, US
[71] A10 SYSTEMS INC., US
[85] 2024-06-06
[86] 2022-09-19 (PCT/US2022/044028)
[87] (WO2023/044130)
[30] US (63/245,569) 2021-09-17

[21] **3,240,326**
[13] A1
[51] **Int.Cl. H01M 50/204 (2021.01) B60L 50/64 (2019.01) H01M 50/249 (2021.01) H01M 50/291 (2021.01)**
[25] EN
[54] **STRUCTURAL INTEGRATED BATTERY PACK**
[54] **BLOC-BATTERIE INTEGRE STRUCTURAL**
[72] HOFER, CHRISTOPH, AT
[72] BECIRBASIC, MEHMED, AT
[72] MARKTL, JOHANNES, AT
[71] MAGNA INTERNATIONAL INC., CA
[85] 2024-06-06
[86] 2022-12-14 (PCT/CA2022/051818)
[87] (WO2023/108272)
[30] US (63/289,776) 2021-12-15

[21] **3,240,332**
[13] A1
[51] **Int.Cl. A61H 23/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR TREATING MYOFASCIAL POINTS**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT DE POINTS MYOFASCIAUX**
[72] GASNER, JOHN JOSEPH, CA
[72] THATCHER, RONALD J., CA
[72] ZALEWSKI, BARTEK, CA
[72] PEAREN, CHRISTOPHER J., CA
[71] 2815866 ONTARIO INC., CA
[85] 2024-06-06
[86] 2022-12-07 (PCT/IB2022/061854)
[87] (WO2023/105421)
[30] US (63/286,784) 2021-12-07
[30] US (18/061,600) 2022-12-05
[30] US (18/061,603) 2022-12-05

[21] **3,240,333**
[13] A1
[51] **Int.Cl. H04L 9/40 (2022.01) G06N 5/022 (2023.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING ATTACK TACTIC PROBABILITIES FOR HISTORICAL TEXT DOCUMENTS**
[54] **SYSTEMES ET PROCEDES DE GENERATION DE PROBABILITES DE TACTIQUES D'ATTAQUE POUR DES DOCUMENTS TEXTUELS HISTORIQUES**
[72] ROYTMAN, MICHAEL, US
[72] BELLIS, EDWARD THAYER IV, US
[71] CISCO TECHNOLOGY, INC., US
[85] 2024-06-06
[86] 2023-03-21 (PCT/US2023/015712)
[87] (WO2023/192060)
[30] US (63/326,398) 2022-04-01
[30] US (17/866,182) 2022-07-15

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[13] A1
[51] **Int.Cl. C01B 32/05 (2017.01)**
[25] EN
[54] **AN IMPROVED CARBON PRECURSOR MATERIAL**
[54] **MATERIAU PRECURSEUR DE CARBONE AMELIORE**
[72] SPAHR, MICHAEL, BE
[72] KUHNT, CHRISTOPHER, DE
[72] CLAES, JORIS, BE
[72] DENOO, BRAM, BE
[71] RAIN CARBON BV, BE
[71] RAIN CARBON GERMANY GMBH, DE
[85] 2024-06-06
[86] 2023-01-24 (PCT/EP2023/051685)
[87] (WO2023/139288)
[30] EP (22152935.7) 2022-01-24

[21] **3,240,335**
[13] A1
[51] **Int.Cl. H01M 10/0587 (2010.01) H01M 50/531 (2021.01) H01M 50/586 (2021.01) H01M 50/595 (2021.01)**
[25] EN
[54] **JELLY-ROLL ELECTRODE ASSEMBLY AND CYLINDRICAL LITHIUM SECONDARY BATTERY COMPRISING SAME**
[54] **ENSEMBLE ELECTRODE DE TYPE ROULE ET BATTERIE SECONDAIRE AU LITHIUM CYLINDRIQUE LE COMPRENANT**
[72] KIM, JANGBAE, KR
[72] KI, HYEONGSEO, KR
[72] KIM, DOHYEONG, KR
[72] KIM, SOYEON, KR
[72] KIM, SO HEE, KR
[72] KIM, HYOUNG KWON, KR
[72] JANG, KYUNGMIN, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-06-06
[86] 2022-12-07 (PCT/KR2022/019823)
[87] (WO2023/106835)
[30] KR (10-2021-0174846) 2021-12-08

[21] **3,240,338**
[13] A1
[51] **Int.Cl. C07K 16/30 (2006.01)**
[25] EN
[54] **ANTI-CD24 ANTIBODY AND USE THEREOF**
[54] **ANTICORPS ANTI-CD24 ET SON UTILISATION**
[72] FENG, XIAO, CN
[72] KE, XIAO, CN
[72] LI, JIANHONG, CN
[72] REN, PENGFEI, CN
[72] LEI, GANG, CN
[71] BEIJING KANGHONG BIOMEDICAL CO., LTD, CN
[85] 2024-06-06
[86] 2022-12-07 (PCT/CN2022/137123)
[87] (WO2023/104066)
[30] CN (202111487167.1) 2021-12-07

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[13] A1
[51] **Int.Cl. B01D 17/06 (2006.01) B01D 17/12 (2006.01) C10G 33/02 (2006.01) C10G 33/08 (2006.01)**
[25] EN
[54] **A METHOD FOR PROTECTING THE COALESCER ELEMENTS OF AN ELECTROSTATIC COALESCER DEVICE AGAINST ELECTRICALLY INDUCED EROSION AND/OR PARTIAL DISCHARGES**
[54] **PROCEDE DE PROTECTION DES ELEMENTS COALESCEURS D'UN DISPOSITIF COALESCEUR ELECTROSTATIQUE CONTRE L'EROSION INDUITE ELECTRIQUEMENT ET/OU LES DECHARGES PARTIELLES**
[72] FRANSSON, PER, NO
[72] FRIBERG, REIDAR, NO
[72] MORUD, SVEIN, NO
[72] BJORKLUND, ERIK, NO
[71] SULZER MANAGEMENT AG, CH
[85] 2024-06-06
[86] 2022-12-08 (PCT/EP2022/084985)
[87] (WO2023/110620)
[30] EP (21215521.2) 2021-12-17

[21] **3,240,340**
[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) C12N 9/26 (2006.01)**
[25] EN
[54] **N-TERMINAL AND/OR C-TERMINAL CLEAVED SOLUBLE PH20 POLYPEPTIDE AND USE THEREOF**
[54] **POLYPEPTIDE PH20 SOLUBLE CLIVE AUX EXTREMITES N ET/OU C ET SON UTILISATION**
[72] PARK, SOON JAE, KR
[72] KIM, KYUWAN, KR
[72] YUN, SANG HOON, KR
[72] SONG, HYUNG-NAM, KR
[71] ALTEOGEN, INC., KR
[85] 2024-06-06
[86] 2023-06-21 (PCT/KR2023/008621)
[87] (WO2023/249408)
[30] KR (10-2022-0076030) 2022-06-22

[21] **3,240,341**
[13] A1
[51] **Int.Cl. A01F 15/07 (2006.01) B65B 11/04 (2006.01)**
[25] EN
[54] **FOIL WRAPPING DEVICE**
[54] **DISPOSITIF POUR ENVELOPPER AVEC UNE FEUILLE**
[72] HAGEN, OYVIND JONASSEN, NO
[71] ORKEL HOLDING AS, NO
[85] 2024-06-06
[86] 2022-12-08 (PCT/NO2022/050285)
[87] (WO2023/106929)
[30] NO (20211484) 2021-12-09

[21] **3,240,342**
[13] A1
[51] **Int.Cl. C07K 16/18 (2006.01) A61P 25/16 (2006.01)**
[25] EN
[54] **TARGETED DEGRADATION OF ALPHA-SYNUCLEIN**
[54] **DEGRADATION CIBLEE DE L'ALPHA-SYNUCLEINE**
[72] SAPKOTA, GOPAL, GB
[71] UNIVERSITY OF DUNDEE, GB
[85] 2024-06-06
[86] 2022-12-15 (PCT/GB2022/053257)
[87] (WO2023/111580)
[30] GB (2118272.0) 2021-12-16

[21] **3,240,343**
[13] A1
[51] **Int.Cl. G06F 21/62 (2013.01)**
[25] EN
[54] **DEVICE AND METHOD FOR REDACTING RECORDS BASED ON A CONTEXTUAL CORRELATION WITH A PREVIOUSLY REDACTED RECORD**
[54] **DISPOSITIF ET PROCEDE DE REDACTION D'ENREGISTREMENTS SUR LA BASE D'UNE CORRELATION CONTEXTUELLE AVEC ENREGISTREMENT PRECEDEMMENT REDIGE**
[72] GUSTOF, GRZEGORZ, PL
[72] KOPROWSKI, STEFAN, PL
[72] KRUEGEL, CHRIS A., US
[72] BOUTELL, STUART J., GB
[71] MOTOROLA SOLUTIONS, INC., US
[85] 2024-06-06
[86] 2022-12-07 (PCT/US2022/052107)
[87] (WO2023/121875)
[30] US (17/645,494) 2021-12-22

[21] **3,240,344**
[13] A1
[51] **Int.Cl. A23L 33/105 (2016.01) A23L 33/115 (2016.01) A23L 33/15 (2016.01) A61K 36/062 (2006.01) A61K 36/899 (2006.01) A61P 3/06 (2006.01)**
[25] EN
[54] **COMPOSITIONS**
[54] **COMPOSITIONS**
[72] GELFI, ELENA, IT
[72] MOSCONI, MANUEL ROBERTO, IT
[71] MEDA PHARMA S.P.A., IT
[85] 2024-06-06
[86] 2023-01-02 (PCT/EP2023/050012)
[87] (WO2023/126537)
[30] GB (2200008.7) 2022-01-01

[21] **3,240,345**
[13] A1
[51] **Int.Cl. B64D 11/06 (2006.01)**
[25] EN
[54] **TRAY TABLE INDICATOR**
[54] **INDICATEUR DE TABLETTE DE PLATEAU**
[72] GATES, MATTHEW C., US
[72] GARCIA, MIKE, US
[72] WOOD, BRIAN, US
[72] ROSENBERG, ALAN, US
[72] LYNCH, CHRIS, US
[71] UNITED AIR LINES, INC., US
[85] 2024-06-06
[86] 2022-12-07 (PCT/US2022/052102)
[87] (WO2023/107541)
[30] US (17/547,714) 2021-12-10

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[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61P 31/20 (2006.01) C07D 401/12 (2006.01) C07D 403/14 (2006.01) C07D 405/14 (2006.01) C07D 413/14 (2006.01) C07D 453/06 (2006.01) C07D 487/10 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TARGETING PD-L1**
[54] **METHODES ET COMPOSITIONS POUR LE CIBLAGE DE PD-L1**
[72] WU, TONGFEI, US
[72] RABOISSON, PIERRE JEAN-MARIE BERNARD, US
[72] GONZALVEZ, FRANCOIS, US
[71] ALIGOS THERAPEUTICS, INC., US
[85] 2024-06-06
[86] 2022-12-15 (PCT/US2022/052956)
[87] (WO2023/114365)
[30] US (63/265,510) 2021-12-16

[21] **3,240,347**
[13] A1
[51] **Int.Cl. H04L 9/40 (2022.01)**
[25] EN
[54] **LOCAL ATTRIBUTE VERIFICATION USING A COMPUTING DEVICE**
[54] **VERIFICATION D'ATTRIBUT LOCAL A L'AIDE D'UN DISPOSITIF INFORMATIQUE**
[72] NICHOLLS, DAVID, GB
[72] FEGAN, GARY, GB
[71] FUJITSU SERVICES LIMITED, GB
[85] 2024-06-06
[86] 2022-12-14 (PCT/GB2022/053236)
[87] (WO2023/111566)
[30] EP (21214682.3) 2021-12-15

[21] **3,240,348**
[13] A1
[51] **Int.Cl. A61K 38/16 (2006.01) A61K 47/64 (2017.01) A61P 31/14 (2006.01) C07K 1/107 (2006.01) C07K 14/00 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **METHOD FOR OPTIMIZING VIRUS MEMBRANE FUSION INHIBITOR, BROAD-SPECTRUM ANTI-CORONAVIRUS LIPOPEPTIDE AND USE THEREOF**
[54] **PROCEDE D'OPTIMISATION D'INHIBITEUR DE FUSION MEMBRANAIRE VIRALE, LIPOPEPTIDE ANTI-CORONAVIRUS A LARGE SPECTRE ET SON UTILISATION**
[72] HE, YUXIAN, CN
[72] ZHU, YUANMEI, CN
[72] CHONG, HUIHUI, CN
[72] LIU, NIAN, CN
[71] YOUCARE PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2024-06-06
[86] 2022-05-19 (PCT/CN2022/094001)
[87] (WO2023/155318)
[30] CN (202210156260.2) 2022-02-21

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **ACTRII ANTIBODY TREATMENTS**
[54] **TRAITEMENTS A BASE D'ANTICORPS ACTRII**
[72] KLICKSTEIN, LLOYD B., US
[72] MACHACEK, MATTHIAS, US
[71] VERSANIS BIO, INC., US
[85] 2024-06-06
[86] 2023-01-19 (PCT/US2023/060932)
[87] (WO2023/141525)
[30] US (63/301,011) 2022-01-19
[30] US (63/373,676) 2022-08-26

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[13] A1
[51] **Int.Cl. C07K 7/08 (2006.01)**
[25] EN
[54] **APELINERGIC MACROCYCLES AND USES THEREOF**
[54] **MACROCYCLES APELINERGIQUES ET LEURS UTILISATIONS**
[72] SARRET, PHILIPPE, CA
[72] BOUDREAULT, PIERRE-LUC, CA
[72] MURZA, ALEXANDRE, CA
[72] TRAN, KIEN, VN
[72] LONGPRE, JEAN-MICHEL, CA
[72] COTE, JEROME, CA
[72] MARSAULT, ERIC (DECEASED), XX
[71] SOCPRA SCIENCES SANTE ET HUMAINES S.E.C., CA
[85] 2024-06-06
[86] 2022-12-15 (PCT/CA2022/051838)
[87] (WO2023/108291)
[30] US (63/290,394) 2021-12-16

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[13] A1
[51] **Int.Cl. G07C 9/28 (2020.01) B60R 25/102 (2013.01) G07C 5/08 (2006.01)**
[25] EN
[54] **TRACKER DEVICE FOR ACCESSING DATA SENT BY A DONGLE CONNECTED TO A VEHICLE AND METHOD FOR SECURING THE MOVE OF SUCH DEVICE**
[54] **DISPOSITIF DE SUIVI D'ACCES A DES DONNEES ENVOYEES PAR UNE CLE ELECTRONIQUE CONNECTEE A UN VEHICULE ET PROCEDE DE SECURISATION DU DEPLACEMENT DE CE DISPOSITIF**
[72] HERNANDEZ, JUAN-RAMON, CH
[71] NAGRAVISION SARL, CH
[85] 2024-06-07
[86] 2022-12-08 (PCT/EP2022/084934)
[87] (WO2023/104949)
[30] EP (21213499.3) 2021-12-09

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[13] A1
[51] **Int.Cl. H01M 4/133 (2010.01) H01M 4/134 (2010.01) H01M 4/137 (2010.01) H01M 4/1393 (2010.01) H01M 4/1395 (2010.01) H01M 4/1399 (2010.01)**
[25] EN
[54] **POWDEROUS POLYMER BINDER FOR HIGH VISCOUS PROCESSING FOR ANODE MANUFACTURE**
[54] **LIANT POLYMERE PULVERULENT POUR TRAITEMENT A VISCOSITE ELEVEE POUR FABRICATION D'ANODE**
[72] BRANDAU, SVEN, DE
[72] FRUEH, THOMAS, DE
[72] WIEGMANN, EIKE, DE
[72] HASELRIEDER, WOLFGANG, DE
[72] KWADE, ARNO, DE
[71] ARLANXEO DEUTSCHLAND GMBH, DE
[85] 2024-06-07
[86] 2023-03-06 (PCT/EP2023/055531)
[87] (WO2023/169969)
[30] EP (22161075.1) 2022-03-09

[21] **3,240,357**
[13] A1
[51] **Int.Cl. C07K 1/30 (2006.01) C07K 1/14 (2006.01) C07K 1/22 (2006.01)**
[25] EN
[54] **METHOD**
[54] **PROCEDE**
[72] KAMHI, EYAL, IL
[72] MINTZ, MICHELLE, IL
[72] AHARONOV, JENNY, IL
[72] EREZ, ELINOR, IL
[71] FERRING B.V., NL
[85] 2024-06-07
[86] 2022-12-07 (PCT/EP2022/084766)
[87] (WO2023/104874)
[30] EP (21213254.2) 2021-12-08

[21] **3,240,362**
[13] A1
[51] **Int.Cl. H04W 4/70 (2018.01) H04L 67/12 (2022.01)**
[25] EN
[54] **CONSUMER ACCESS DEVICE**
[54] **DISPOSITIF D'ACCES CONSOMMATEUR**
[72] STEELE, PHILIP RENWELL, GB
[71] KRAKEN TECHNOLOGIES LIMITED, GB
[85] 2024-06-07
[86] 2022-12-15 (PCT/GB2022/053252)
[87] (WO2023/111576)
[30] GB (2118215.9) 2021-12-15
[30] GB (2118216.7) 2021-12-15

[21] **3,240,364**
[13] A1
[51] **Int.Cl. G06F 21/60 (2013.01) H04W 12/08 (2021.01) H04W 12/30 (2021.01) H04W 12/37 (2021.01) H04L 9/40 (2022.01)**
[25] EN
[54] **REMOTE VERIFICATION OF THE CONDITION OF A MOBILE DEVICE**
[54] **VERIFICATION A DISTANCE DE L'ETAT D'UN DISPOSITIF MOBILE**
[72] ZELLNER, JENNIFER, US
[72] RIDENOUR, JENNIFER, US
[72] RASTELLI, GUI, US
[71] ASSURANT, INC., US
[85] 2024-06-07
[86] 2022-12-09 (PCT/US2022/052382)
[87] (WO2023/107688)
[30] US (17/643,442) 2021-12-09

[21] **3,240,366**
[13] A1
[25] EN
[54] **CLOSED FILTER WITH SEAL WASHER**
[54] **FILTRE FERME AVEC RONDELLE D'ETANCHEITE**
[72] LAKE, JAROD A., US
[71] PARKER-HANNIFIN CORPORATION, US
[85] 2024-06-07
[86] 2023-01-10 (PCT/US2023/060387)
[87] (WO2023/137271)
[30] US (63/298,354) 2022-01-11

[21] **3,240,367**
[13] A1
[51] **Int.Cl. A61M 5/172 (2006.01) A61M 5/175 (2006.01)**
[25] EN
[54] **INTERLOCK FOR MEDICAL INJECTOR METERING PUMP**
[54] **VERROUILLAGE POUR POMPE DE DOSAGE D'INJECTEUR MEDICAL**
[72] COLEMAN, DAVID JAMES, IE
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2024-06-07
[86] 2022-12-13 (PCT/US2022/052669)
[87] (WO2023/114189)
[30] US (63/288,973) 2021-12-13

[21] **3,240,369**
[13] A1
[51] **Int.Cl. G01S 17/08 (2006.01) G01S 19/13 (2010.01) B64U 60/30 (2023.01) G01S 17/88 (2006.01) G01W 1/02 (2006.01)**
[25] EN
[54] **A NON-LIVE WIRE MOUNTED SENSOR MODULE AND METHOD FOR MOUNTING THEREOF**
[54] **MODULE DE CAPTEUR MONTE SUR UN FIL HORS TENSION ET SON PROCEDE DE MONTAGE**
[72] VAN DER BERG, CAMERON, AU
[72] VAN DER BERG, DANIEL, AU
[71] INFRAVISION HOLDINGS PTY LTD, AU
[85] 2024-06-07
[86] 2022-12-09 (PCT/AU2022/051482)
[87] (WO2023/102614)
[30] AU (2021903983) 2021-12-09

[21] **3,240,370**
[13] A1
[51] **Int.Cl. B65D 1/16 (2006.01) D06Q 1/14 (2006.01) B05D 1/16 (2006.01)**
[25] EN
[54] **CORE/SHEATH STRUCTURE, METHOD FOR MANUFACTURING FLOCK PRODUCTS, AND FLOCK PRODUCTS**
[54] **STRUCTURE NOYAU/ECORCE, PROCEDE DE FABRICATION DE PRODUITS FLOQUES, ET PRODUITS FLOQUES**
[72] NAVEH, NAUM, US
[72] OTORGUST, GILAD, US
[72] PELEG, DANIT, US
[72] OHARA, TETSUYA, US
[71] MOON CREATIVE LAB, INC., US
[85] 2024-06-07
[86] 2022-12-14 (PCT/US2022/081567)
[87] (WO2023/114853)
[30] JP (2021-203507) 2021-12-15

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[51] **Int.Cl. A61K 31/52 (2006.01) A61P 25/28 (2006.01) C07D 473/34 (2006.01)**
[25] EN
[54] **PURINES AND METHODS OF THEIR USE**
[54] **PURINES ET LEURS PROCEDES D'UTILISATION**
[72] KUMARAVEL, GNANASAMBANDAM, US
[72] MACDONNELL, MADELINE, US
[72] PENG, HAIRUO, US
[72] OZBOYA, KEREM, US
[72] WRONA, IWONA, US
[72] LE BOURDONNEC, BERTRAND, US
[72] LUCAS, MATTHEW, US
[72] KURIA, VANESSA, US
[72] DELABARRE, BYRON, AD
[71] KINETA, INC., US
[85] 2024-06-07
[86] 2022-12-07 (PCT/US2022/052118)
[87] (WO2023/107552)
[30] US (63/287,522) 2021-12-08

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[51] **Int.Cl. H01L 29/12 (2006.01) H01L 33/36 (2010.01) H01L 33/44 (2010.01) G02B 1/14 (2015.01) G02B 1/18 (2015.01) C07C 22/08 (2006.01) C07F 7/18 (2006.01) C07F 9/6593 (2006.01) C23C 14/04 (2006.01) G09F 9/33 (2006.01) H01L 23/28 (2006.01)**
[25] EN
[54] **PATTERNING A CONDUCTIVE DEPOSITED LAYER USING A NUCLEATION INHIBITING COATING AND AN UNDERLYING METALLIC COATING**
[54] **FORMATION DE MOTIFS SUR UNE COUCHE CONDUCTRICE DEPOSEE A L'AIDE DE REVETEMENT INHIBITEUR DE NUCLEATION ET REVETEMENT METALLIQUE SOUS-JACENT**
[72] HELANDER, MICHAEL, CA
[72] WANG, ZHIBIN, CA
[71] OTI LUMIONICS INC., CA
[85] 2024-06-07
[86] 2021-12-07 (PCT/IB2021/061385)
[87] (WO2022/123431)
[30] US (63/122,421) 2020-12-07
[30] US (63/129,163) 2020-12-22
[30] US (63/141,857) 2021-01-26

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[51] **Int.Cl. F03G 3/00 (2006.01)**
[25] EN
[54] **ENERGY STORAGE AND DELIVERY SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE STOCKAGE ET DE DISTRIBUTION D'ENERGIE**
[72] PEDRETTI, ANDREA, US
[71] ENERGY VAULT, INC., US
[85] 2024-06-07
[86] 2022-11-29 (PCT/US2022/051282)
[87] (WO2023/114001)
[30] US (63/265,348) 2021-12-13

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[13] A1
[51] **Int.Cl. C04B 20/02 (2006.01) C04B 28/10 (2006.01)**
[25] EN
[54] **METHOD FOR THE PREPARATION OF A CARBONATED MINERAL COMPONENT, CARBONATED MINERAL COMPONENT AND METHOD FOR THE PREPARATION OF A BINDER COMPOSITION**
[54] **PROCEDE DE PREPARATION D'UN CONSTITUANT MINERAL CARBONATE, CONSTITUANT MINERAL CARBONATE ET PROCEDE DE PREPARATION D'UNE COMPOSITION DE LIANT**
[72] BENARD, PHILIPPE, CH
[72] BRIAUD, VINCENT, CH
[72] DIETZ, STEFAN, CH
[72] BERMEJO, EDELIO, CH
[71] HOLCIM TECHNOLOGY LTD, CH
[85] 2024-06-07
[86] 2022-12-15 (PCT/EP2022/086092)
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[30] EP (21215647.5) 2021-12-17

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[13] A1
[51] **Int.Cl. C12Q 1/6886 (2018.01)**
[25] EN
[54] **ASSESSING AND TREATING MELANOMA**
[54] **EVALUATION ET TRAITEMENT D'UN MELANOME**
[72] MEVES, ALEXANDER, US
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
[85] 2024-06-07
[86] 2022-12-01 (PCT/US2022/051517)
[87] (WO2023/107328)
[30] US (63/287,217) 2021-12-08

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[51] **Int.Cl. C07D 403/04 (2006.01) C07D 413/04 (2006.01) C07D 413/12 (2006.01) C07D 413/14 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **BICYCLIC HETEROARENES AND METHODS OF THEIR USE**
[54] **HETEROARENES BICYCLIQUES ET LEURS PROCEDES D'UTILISATION**
[72] KUMARAVEL, GNANASAMBANDAM, US
[72] MACDONNELL, MADELINE, US
[72] PENG, HAIRUO, US
[72] OZBOYA, KEREM, US
[72] WRONA, IWONA, US
[72] LE BOURDONNEC, BERTRAND, US
[72] LUCAS, MATTHEW, US
[72] KURIA, VANESSA, US
[72] DELABARRE, BYRON, US
[71] KINETA, INC., US
[85] 2024-06-07
[86] 2022-12-08 (PCT/US2022/052261)
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[30] US (63/287,517) 2021-12-08

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[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-DLL3 ANTIBODY AND PHARMACEUTICAL USE THEREOF, AND ANTIBODY-DRUG CONJUGATE CONTAINING ANTI-DLL3 ANTIBODY**
[54] **ANTICORPS ANTI-DLL3 ET SON UTILISATION PHARMACEUTIQUE, ET CONJUGUE ANTICORPS-MEDICAMENT CONTENANT UN ANTICORPS ANTI-DLL3**
[72] YE, XIN, CN
[72] YAO, QINGQING, CN
[72] JIN, XINSHENG, CN
[72] YING, HUA, CN
[72] TAO, WEIKANG, CN
[71] JIANGSU HENGRUI PHARMACEUTICALS CO., LTD., CN
[71] SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD., CN
[85] 2024-06-07
[86] 2022-12-23 (PCT/CN2022/141269)
[87] (WO2023/116861)
[30] CN (202111592539.7) 2021-12-23

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[13] A1
[51] **Int.Cl. G01D 21/00 (2006.01)**
[25] EN
[54] **CURRENT LOOP TRANSMITTER CIRCUITRY FOR MONITORING A DRY CONTACT SWITCH STATE**
[54] **ENSEMBLE DE CIRCUITS D'EMETTEUR DE BOUCLE DE COURANT POUR SURVEILLER UN ETAT DE COMMUTATEUR A CONTACT SEC**
[72] CEDARLEAF, JONATHAN, US
[72] LINDEMAN, ADAM, US
[72] O'CALLAGHAN, COLIN, US
[72] WEISS, AARON, US
[71] CORNELL PUMP COMPANY LLC, US
[85] 2024-06-07
[86] 2023-01-04 (PCT/US2023/010115)
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[51] **Int.Cl. A61K 31/444 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **PYRIMIDINES AND METHODS OF THEIR USE**
[54] **PYRIMIDINES ET LEURS PROCEDES D'UTILISATION**
[72] KUMARAVEL, GNANASAMBANDAM, US
[72] MACDONNELL, MADELINE, US
[72] PENG, HAIRUO, US
[71] KINETA, INC., US
[85] 2024-06-07
[86] 2022-12-08 (PCT/US2022/052224)
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[30] US (63/287,479) 2021-12-08

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[13] A1
[51] **Int.Cl. B64B 1/50 (2006.01) B64C 37/02 (2006.01) C25B 1/04 (2021.01)**
[25] EN
[54] **TRANSPORT SYSTEM FOR HYDROGEN GAS**
[54] **SYSTEME DE TRANSPORT D'HYDROGENE GAZEUX**
[72] PRUM, DAVID JAMES, US
[72] OPAS, GREGORY JOSEPH, US
[71] PRUM, DAVID JAMES, US
[71] OPAS, GREGORY JOSEPH, US
[85] 2024-06-07
[86] 2022-12-06 (PCT/US2022/051962)
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[30] US (63/286,701) 2021-12-07

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[13] A1
[51] **Int.Cl. A61L 27/52 (2006.01)**
[25] EN
[54] **HYBRID TISSUE ENGINEERING CONSTRUCTS**
[54] **CONSTRUCTIONS D'INGENIERIE TISSULAIRE HYBRIDES**
[72] YANG, YUNZHI, US
[72] MOEINZADEH, SEYEDSINA, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2024-06-07
[86] 2022-12-09 (PCT/US2022/052407)
[87] (WO2023/114103)
[30] US (63/289,431) 2021-12-14
[30] US (63/304,216) 2022-01-28
[30] US (63/289,447) 2021-12-14
[30] US (63/304,207) 2022-01-28

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[51] **Int.Cl. D04H 1/425 (2012.01) D04H 1/587 (2012.01) E04F 21/08 (2006.01)**
[25] EN
[54] **CELLULOSE PRECURSOR MATERIAL AND APPARATUS AND METHOD FOR FIELD CONVERSION OF THE PRECURSOR INTO CELLULOSE INSULATION**
[54] **MATERIAU PRECURSEUR DE CELLULOSE ET APPAREIL ET PROCEDE DE CONVERSION SUR LE TERRAIN DU PRECURSEUR EN ISOLANT EN CELLULOSE**
[72] STRIMLING, JONATHAN, US
[72] DRANE, RANDELL, US
[72] BILODEAU, MICHAEL, US
[72] YARDY, NICHOLAS, US
[72] L'ITALIEN, MARCO, US
[71] CLEANFIBER INC., US
[85] 2024-06-07
[86] 2022-12-07 (PCT/US2022/052187)
[87] (WO2023/107586)
[30] US (63/287,045) 2021-12-07
[30] US (63/303,423) 2022-01-26

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[51] **Int.Cl. H10N 30/30 (2023.01) H02N 1/08 (2006.01)**
[25] EN
[54] **PIEZO/BIMETAL ELECTRICITY SOURCE**
[54] **SOURCE D'ELECTRICITE PIEZO/BIMETALLIQUE**
[72] BRINKSCHULTE, CARSTEN, DE
[72] BONIG, MARCO, DE
[71] DRYAD NETWORKS GMBH, DE
[85] 2024-06-07
[86] 2022-12-14 (PCT/EP2022/085952)
[87] (WO2023/111077)
[30] DE (10 2021 133 220.6) 2021-12-15

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[51] **Int.Cl. B64B 1/06 (2006.01) B64B 1/70 (2006.01)**
[25] EN
[54] **AIRSHIP WITH SELF-BALLASTING AIRFRAME**
[54] **DIRIGEABLE A CELLULE A AUTO-LESTAGE**
[72] PRUM, DAVID JAMES, US
[72] OPAS, GREGORY JOSEPH, US
[71] PRUM, DAVID JAMES, US
[71] OPAS, GREGORY JOSEPH, US
[85] 2024-06-07
[86] 2022-12-07 (PCT/US2022/052089)
[87] (WO2023/107534)
[30] US (63/286,733) 2021-12-07

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[51] **Int.Cl. E01F 9/627 (2016.01) E01F 9/60 (2016.01) E01F 9/658 (2016.01)**
[25] EN
[54] **IMPACT ABSORBING BOLLARD**
[54] **BOLLARD ABSORBANT LES CHOCS**
[72] USTACH, THOMAS, US
[72] O'BRIEN, MATTHEW, US
[71] MCCUE CORPORATION, US
[85] 2024-06-07
[86] 2022-12-09 (PCT/US2022/052329)
[87] (WO2023/107657)
[30] US (63/287,615) 2021-12-09

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[51] **Int.Cl. A61B 5/0538 (2021.01)**
[25] FR
[54] **BUS-DISTRIBUTED STIMULATION AND MEASUREMENT SYSTEM**
[54] **SYSTEME DE STIMULATION ET DE MESURE DISTRIBUE SUR UN BUS**
[72] ANDREU, DAVID, FR
[72] DEMARCQ, MILAN, FR
[72] GUIRAUD, DAVID, FR
[71] NEURINNOV, FR
[71] INRIA - INSTITUT NATIONAL DE RECHERCHE EN INFORMATIQUE ET EN AUTOMATIQUE, FR
[71] UNIVERSITE DE MONTPELLIER, FR
[85] 2024-06-07
[86] 2022-12-08 (PCT/FR2022/052280)
[87] (WO2023/105166)
[30] FR (FR2113118) 2021-12-08

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[13] A1
[51] **Int.Cl. A24F 40/49 (2020.01) A24F 40/53 (2020.01)**
[25] EN
[54] **AEROSOL DELIVERY DEVICE/SYSTEM**
[54] **DISPOSITIF/SYSTEME DE DISTRIBUTION D'AEROSOL**
[72] MURRAY, SAMANTHA, GB
[72] SUDLOW, THOMAS, GB
[72] COWAN, DEAN, GB
[71] IMPERIAL TOBACCO LIMITED, GB
[85] 2024-06-07
[86] 2022-12-16 (PCT/EP2022/086299)
[87] (WO2023/111242)
[30] EP (21215017.1) 2021-12-16

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[13] A1
[51] **Int.Cl. A61K 31/185 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **ALZ-801 FOR USE IN TREATING ALZHEIMER'S DISEASE**
[54] **ALZ-801 DESTINE A ETRE UTILISE DANS LE TRAITEMENT DE LA MALADIE D'ALZHEIMER**
[72] ABUSHAKRA, SUSAN, US
[72] FLANZRAICH, NEIL WILLIAM, US
[72] HEY, JOHN, US
[72] TOLAR, MARTIN, US
[71] ALZHEON, INC., US
[85] 2024-06-07
[86] 2022-12-09 (PCT/US2022/052331)
[87] (WO2023/107658)
[30] US (63/287,552) 2021-12-09

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[13] A1
[51] **Int.Cl. B65D 88/06 (2006.01)**
[25] EN
[54] **TANK WATER HEATER AND WATER HEATING SYSTEM**
[54] **CHAUFFE-EAU DE RESERVOIR ET SYSTEME DE CHAUFFAGE D'EAU**
[72] YIN, JIANMIN, US
[72] MEMORY, STEPHEN, US
[71] A. O. SMITH CORPORATION, US
[85] 2024-06-07
[86] 2022-12-07 (PCT/US2022/052115)
[87] (WO2023/107549)
[30] US (63/287,682) 2021-12-09

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[13] A1
[51] **Int.Cl. E21D 15/46 (2006.01) G01B 3/1003 (2020.01) G01B 3/1061 (2020.01) G01B 3/1084 (2020.01) E21F 17/18 (2006.01) G01B 3/10 (2020.01)**
[25] EN
[54] **CONVERGENCE MONITOR**
[54] **DISPOSITIF DE SURVEILLANCE DE CONVERGENCE**
[72] GOLDSPINK, ROBERT, AU
[71] R. J. GOLDSPINK PTY LIMITED, AU
[85] 2024-06-07
[86] 2022-12-09 (PCT/AU2022/051480)
[87] (WO2023/102612)
[30] AU (2021904005) 2021-12-10

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[13] A1
[25] EN
[54] **HYDROGEL MICROPARTICLE-BASED SOFT TISSUE FILLERS**
[54] **REMPLISSAGES DE TISSU MOU A BASE DE MICROPARTICULES D'HYDROGEL**
[72] HAMILTON, MEGAN E., US
[72] HARRINGTON, STEPHEN, US
[72] RAMACHANDRAN, KARTHIK, US
[72] STEHNO-BITTEL, LISA, US
[71] LIKARDA, LLC, US
[85] 2024-06-07
[86] 2022-12-09 (PCT/US2022/081274)
[87] (WO2023/108124)
[30] US (63/287,769) 2021-12-09

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[13] A1
[51] **Int.Cl. A23L 2/54 (2006.01) A23L 29/231 (2016.01) B01F 23/237 (2022.01) A23L 2/60 (2006.01)**
[25] EN
[54] **WIDGETLESS CANNED NITROGEN INFUSED BEVERAGES**
[54] **BOISSONS INFUSEES A L'AZOTE EN CANETTE SANS BOULE**
[72] PENNY, PATRICK M., US
[72] JETTI, RAJESH R., US
[72] GONZALEZ-ISRAEL, GABRIELA A., US
[72] AMEGAH, RUBY, US
[71] STARBUCKS CORPORATION, US
[85] 2024-06-07
[86] 2022-11-17 (PCT/US2022/050230)
[87] (WO2023/121796)
[30] US (63/265,764) 2021-12-20
[30] US (18/052,810) 2022-11-04

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[13] A1
[51] **Int.Cl. G01N 35/00 (2006.01) G16H 10/40 (2018.01)**
[25] EN
[54] **SAMPLE PREPARATION VALIDATION**
[54] **VALIDATION DE PREPARATION D'ECHANTILLON**
[72] SAHDALA, BRAHIM DE JESUS, US
[72] RAVILISETTY, RAJANI, US
[72] FERNANDEZ DE CASTRO, JUAN JOSE, US
[71] BECKMAN COULTER, INC., US
[85] 2024-06-07
[86] 2022-12-08 (PCT/US2022/081168)
[87] (WO2023/108061)
[30] US (63/287,327) 2021-12-08
[30] US (63/336,815) 2022-04-29

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[13] A1
[51] **Int.Cl. C07D 231/08 (2006.01) C07D 401/04 (2006.01) C07D 401/14 (2006.01) C07D 403/14 (2006.01) C07D 405/14 (2006.01) C07D 413/04 (2006.01) C07D 417/12 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING NEUROLOGICAL DISORDERS**
[54] **METHODES DE TRAITEMENT DE TROUBLES NEUROLOGIQUES**
[72] DE LOMBAERT, STEPHANE, US
[71] PROTHENA BIOSCIENCES LIMITED, IE
[85] 2024-06-07
[86] 2022-12-09 (PCT/US2022/052439)
[87] (WO2023/107714)
[30] US (63/288,155) 2021-12-10
[30] US (63/288,184) 2021-12-10
[30] US (63/288,190) 2021-12-10

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[13] A1
[51] **Int.Cl. E05B 37/00 (2006.01) E05B 73/00 (2006.01) E05B 67/06 (2006.01)**
[25] EN
[54] **PORTABLE LOCK APPARATUS**
[54] **APPAREIL DE VERROUILLAGE PORTABLE**
[72] SIEME, JOERG, DE
[72] WINTER, ARNO, DE
[71] SCHLAGE LOCK COMPANY LLC, US
[85] 2024-06-07
[86] 2022-12-08 (PCT/US2022/052270)
[87] (WO2023/107626)
[30] US (17/545,368) 2021-12-08

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[13] A1
[51] **Int.Cl. C07D 311/80 (2006.01) A61K 31/352 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **CATALYTIC TETRAHYDROCANNABINOL SYNTHESIS AND PRECURSORS**
[54] **SYNTHESE ET PRECURSEURS CATALYTIQUES DE TETRAHYDROCANNABINOL**
[72] ABDUR-RASHID, KAMALUDDIN, CA
[72] ABDUR-RASHID, KAREEM, CA
[72] JIA, WENLI, CA
[71] KARE CHEMICAL TECHNOLOGIES INC., CA
[85] 2024-06-07
[86] 2022-12-08 (PCT/CA2022/051787)
[87] (WO2023/102655)
[30] US (63/287,713) 2021-12-09

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[13] A1
[51] **Int.Cl. A23K 50/40 (2016.01) A61P 3/04 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR IMPROVING THE HEALTH OF COMPANION ANIMALS**
[54] **METHODES ET COMPOSITIONS POUR AMELIORER LA SANTE D'ANIMAUX DE COMPAGNIE**
[72] JACKSON, MATTHEW, US
[72] JEWELL, DENNIS, US
[71] HILL'S PET NUTRITION, INC., US
[85] 2024-06-07
[86] 2022-12-15 (PCT/US2022/081617)
[87] (WO2023/114885)
[30] US (63/289,797) 2021-12-15

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[13] A1
[51] **Int.Cl. C23F 11/08 (2006.01) C09K 5/10 (2006.01) C09K 5/20 (2006.01) C23F 11/16 (2006.01)**
[25] EN
[54] **ANTIFREEZE CONCENTRATE WITH CORROSION PROTECTION AND AQUEOUS COOLANT COMPOSITION PRODUCED THEREFROM**
[54] **CONCENTRE ANTIGEL AVEC PROTECTION CONTRE LA CORROSION ET COMPOSITION AQUEUSE DE REFROIDISSEMENT PRODUITE A PARTIR DE CELUI-CI**
[72] HIROSUE, MASAYUKI, DE
[72] MALKOWSKY, ITAMAR MICHAEL, DE
[72] NITZSCHKE, UWE, DE
[72] SCHINDLER, NINA, DE
[71] BASF SE, DE
[85] 2024-06-07
[86] 2022-11-29 (PCT/EP2022/083648)
[87] (WO2023/104588)
[30] EP (21213282.3) 2021-12-09

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[13] A1
[51] **Int.Cl. F16B 13/00 (2006.01) F16B 13/06 (2006.01)**
[25] EN
[54] **FASTENING SYSTEM AND METHOD FOR MOUNTING AT A SUBSTRATE**
[54] **SYSTEME DE FIXATION ET METHODE DE MONTAGE SUR UN SUBSTRAT**
[72] HEINRICH, KOSTJA, DE
[72] PITZ, MICHAEL, DE
[72] ULBRICH, DAVID, DE
[71] EJOT SE & CO. KG, DE
[85] 2024-06-07
[86] 2022-12-01 (PCT/EP2022/084052)
[87] (WO2023/104632)
[30] DE (10 2021 214 068.8) 2021-12-09

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[13] A1
[51] **Int.Cl. A61L 27/52 (2006.01) A61L 27/54 (2006.01) A61L 27/56 (2006.01)**
[25] EN
[54] **BIOACTIVE IMPLANT FOR RECONSTRUCTION OF BONE DEFECT, DEFORMITY, AND NONUNION**
[54] **IMPLANT BIOACTIF EN VUE DE LA RECONSTRUCTION D'UN DEFAUT OSSEUX, D'UNE DIFFORMITE, ET D'UNE ABSENCE DE SOUDURE**
[72] YANG, YUNZHI, US
[72] LIN, SIEN, CN
[72] MOEINZADEH, SEYEDSINA, US
[72] LUI, ELAINE, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2024-06-07
[86] 2022-12-09 (PCT/US2022/052412)
[87] (WO2023/114104)
[30] US (63/289,447) 2021-12-14
[30] US (63/304,207) 2022-01-28
[30] US (63/289,431) 2021-12-14
[30] US (63/304,216) 2022-01-28

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[54] **NANOPARTICLE IMMUNOGENIC COMPOSITIONS AND VACCINATION METHODS**
[54] **COMPOSITIONS IMMUNOGENES DE NANOPARTICULES ET METHODES DE VACCINATION**
[72] IWASAKI, AKIKO, US
[72] MAO, TIANYANG, US
[72] GOLDMAN-ISRAELOW, BENJAMIN, US
[72] SALTZMAN, W. MARK, US
[72] SUBERI, ALEXANDRA, US
[72] RESCHKE, MELANIE, US
[72] PIOTROWSKI-DASPIT, ALEXANDRA, US
[72] SUH, HEE WON, US
[71] YALE UNIVERSITY, US
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[87] (WO2023/108083)
[30] US (63/287,410) 2021-12-08
[30] US (63/290,042) 2021-12-15
[30] US (63/292,200) 2021-12-21
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[25] EN
[54] **SYSTEM AND PROCESS FOR DRY MAGNETIC CONCENTRATION OF FINE IRON ORE CONCENTRATES**
[54] **SYSTEME ET PROCEDE DE CONCENTRATION MAGNETIQUE A SEC DE CONCENTRES FINS DE MINERAI DE FER**
[72] E SILVA, BENITO BARBABELA, BR
[72] DE CARVALHO FILHO, FABIANO, BR
[72] SOARES, ANDERSON DE ARAUJO, BR
[72] DE RESENDE, AUGUSTO MIRANDA, BR
[72] YAMAMOTO, MAURO FUMIO, BR
[71] VALE S.A., BR
[85] 2024-06-07
[86] 2022-04-01 (PCT/BR2022/050118)
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[25] EN
[54] **METHOD AND SYSTEM FOR ADDRESSING FAILURE IN AN AUTONOMOUS AGENT**
[54] **PROCEDE ET SYSTEME DE TRAITEMENT DE DEFAILLANCE DANS AGENT AUTONOME**
[72] KUMAVAT, APEKSHA, US
[72] MCLEAN, BRIAN, US
[72] RAM, SIDDARTH, US
[72] NARANG, ARJUN, US
[72] NARANG, GAUTAM, US
[71] GATIK AI INC., US
[85] 2024-06-07
[86] 2022-12-15 (PCT/US2022/053004)
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[30] US (63/290,407) 2021-12-16

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[25] EN
[54] **PROTEIN STABILITY ASSAY**
[54] **DOSAGE DE STABILITE DE PROTEINES**
[72] MAIN, MARTIN, GB
[72] DAUBNER, GERRIT, GB
[72] VINCENT, JOHN, GB
[72] BURNHAM, MATTHEW, GB
[72] HART, PHILIPPA JAYNE, GB
[71] MEDICINES DISCOVERY CATAPULT LIMITED, GB
[85] 2024-06-07
[86] 2022-12-14 (PCT/GB2022/053220)
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[30] GB (2118173.0) 2021-12-15

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[51] **Int.Cl. B64D 1/22 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR TAKING UP LIQUIDS INTO AN AIRCRAFT**
[54]
[72] VON MOHOS, ZOLTAN, DE
[71] LOPEZ, JAVIER, DE
[71] VON MOHOS, ZOLTAN, DE
[85] 2024-06-07
[86] 2022-12-09 (PCT/EP2022/085143)
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[25] FR
[54] **CONCRETE HAVING A LOW CEMENT CONTENT**
[54] **BETON A FAIBLE DOSAGE EN CIMENT**
[72] CUSSIGH, FRANCOIS, FR
[72] FRANCO, PAUL-ALEXANDRE, FR
[72] SEMENADISSE, JULIEN, FR
[71] VINCI CONSTRUCTION FRANCE, FR
[85] 2024-06-07
[86] 2022-12-08 (PCT/EP2022/085069)
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[51] **Int.Cl. B62D 55/24 (2006.01) B62D 55/253 (2006.01) B62D 55/26 (2006.01)**
[25] EN
[54] **TRACK SEGMENT FOR A SEGMENTED TRACK, VEHICLE HAVING SEGMENTED TRACKS, AND METHOD OF USING THE SAME**
[54] **SEGMENT DE CHENILLE POUR CHENILLE SEGMENTEE, VEHICULE EQUIPE DE CHENILLE SEGMENTEES, ET SON PROCEDE D'UTILISATION**
[72] LUSSIER, ROMEO, CA
[72] LEBLANC, MARC-ANTOINE, CA
[72] LAFLAMME, FRANCOIS, CA
[72] BEDARD, MAGELLA, CA
[72] LECLERC, OLIVIER, CA
[72] HAMELIN, REMI, CA
[72] GAGNON, JEAN-PHILIPPE, CA
[71] SOUCY INTERNATIONAL INC., CA
[85] 2024-06-07
[86] 2022-12-13 (PCT/CA2022/051812)
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[30] US (63/289,945) 2021-12-15

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[51] **Int.Cl. C10M 169/02 (2006.01) C10M 171/00 (2006.01)**
[25] EN
[54] **RECIPROCATING COMPRESSOR LUBRICANTS**
[54] **LUBRIFIANTS DE COMPRESSEUR ALTERNATIF**
[72] RAKESTRAW, BRIDGETT, US
[72] MILLER, SCOTT, US
[71] THE LUBRIZOL CORPORATION, US
[85] 2024-06-07
[86] 2022-12-06 (PCT/US2022/051913)
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[30] US (63/288,006) 2021-12-10

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[51] **Int.Cl. B60D 1/24 (2006.01) E02F 9/08 (2006.01)**
[25] EN
[54] **TOWING ARRANGEMENT OF A BATTERY-POWERED MINING MACHINE AND A BATTERY-POWERED MINING MACHINE**
[54] **AGENCEMENT DE REMORQUAGE D'UNE MACHINE D'EXPLOITATION MINIERE ALIMENTEE PAR BATTERIE ET MACHINE D'EXPLOITATION MINIERE ALIMENTEE PAR BATTERIE**
[72] HAIKIO, SAMI, FI
[72] HYVONEN, ILKKA, FI
[72] LAIHONEN, ESKO, FI
[71] SANDVIK MINING AND CONSTRUCTION OY, FI
[85] 2024-06-07
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[25] FR
[54] **SIGHT FOR SHOOTING SYSTEM**
[54] **VISEUR POUR SYSTEME DE TIR**
[72] NARCY, GABRIEL, FR
[71] THALES, FR
[85] 2024-06-07
[86] 2022-12-16 (PCT/EP2022/086387)
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[25] EN
[54] **SYSTEMS AND METHODS FOR UPDATING AND DISTRIBUTING INFORMATION ASSOCIATED WITH AN INDIVIDUAL**
[54] **SYSTEMES ET PROCEDES DE MISE A JOUR ET DE DISTRIBUTION D'INFORMATIONS ASSOCIEES A UN INDIVIDU**
[72] BROWN, WARD, US
[71] TRUE SOUTH PARTNERS, LLC, US
[85] 2024-06-07
[86] 2022-12-09 (PCT/US2022/052416)
[87] (WO2023/107701)
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[25] FR
[54] **METHOD FOR PRODUCING AN INORGANIC FILTRATION MEDIUM THROUGH INTERMESHING AND OBTAINED MEMBRANE**
[54] **PROCEDE DE FABRICATION D'UN SUPPORT INORGANIQUE DE FILTRATION PAR INTRICATION ET MEMBRANE OBTENUE**
[72] LESCOCHE, PHILIPPE, FR
[72] ANQUETIL, JEROME, FR
[71] TECHNOLOGIES AVANCEES ET MEMBRANES INDUSTRIELLES, FR
[85] 2024-06-07
[86] 2022-12-26 (PCT/FR2022/052504)
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[51] **Int.Cl. C07C 271/44 (2006.01) A61K 31/265 (2006.01) A61K 31/27 (2006.01) A61P 25/04 (2006.01) A61P 25/08 (2006.01) C07C 47/277 (2006.01) C07C 219/04 (2006.01) C07C 229/12 (2006.01)**
[25] EN
[54] **CANNABIDIOL DERIVATIVE, AND PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **DERIVE DE CANABIDIOL, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] WANG, SHUBIN, CN
[72] DU, YESONG, CN
[72] ZHANG, PINGPING, CN
[71] DEYI PHARMACEUTICAL LTD., CN
[85] 2024-06-07
[86] 2022-11-17 (PCT/CN2022/132572)
[87] (WO2023/103733)
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[25] EN
[54] **CANNABIDIOL DERIVATIVE, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF**
[54] **DERIVE DE CANABIDIOL, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] WANG, SHUBIN, CN
[72] DU, YESONG, CN
[72] ZHANG, PINGPING, CN
[71] DEYI PHARMACEUTICAL LTD., CN
[85] 2024-06-07
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[87] (WO2023/103734)
[30] CN (202111506679.8) 2021-12-10

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[51] **Int.Cl. C12Q 1/6886 (2018.01)**
[25] EN
[54] **ASSESSING AND TREATING MELANOMA**
[54] **EVALUATION ET TRAITEMENT DE MELANOME**
[72] MEVES, ALEXANDER, US
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH (MAYO), US
[85] 2024-06-07
[86] 2022-12-01 (PCT/US2022/051518)
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[51] **Int.Cl. G01N 33/554 (2006.01) G01N 33/532 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD AND KITS FOR THE DETECTION OF BINDING AGENTS**
[54] **SYSTEME, PROCEDE ET KITS DE DETECTION D'AGENTS DE LIAISON**
[72] MANGION, MATHIAS, CA
[72] CHAMPEIL, JULIETTE, CA
[71] AB VALIDATION INC. FAS IVANO BIOSCIENCE, CA
[85] 2024-06-07
[86] 2022-12-23 (PCT/CA2022/051896)
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[51] **Int.Cl. A61B 17/072 (2006.01)**
[25] EN
[54] **CLOSURE DRIVE MECHANISM AND SURGICAL STAPLER**
[54] **MECANISME D'ENTRAINEMENT DE FERMETURE ET AGRAFEUSE CHIRURGICALE**
[72] DING, SHUICHENG, CN
[71] TOUCHSTONE INTERNATIONAL MEDICAL SCIENCE CO., LTD., CN
[85] 2024-06-07
[86] 2022-12-13 (PCT/CN2022/138719)
[87] (WO2023/109819)
[30] CN (202111526204.5) 2021-12-14
[30] CN (202111529283.5) 2021-12-14
[30] CN (202111526201.1) 2021-12-14
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[30] CN (202123141888.5) 2021-12-14

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[51] **Int.Cl. H04B 10/077 (2013.01) H04B 10/70 (2013.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETERMINING A ROUND-TRIP LATENCY OF A QUANTUM COMMUNICATION CHANNEL**
[54] **PROCEDE ET SYSTEME DE DETERMINATION D'UNE LATENCE ALLER-RETOUR D'UN CANAL DE COMMUNICATION QUANTIQUE**
[72] SLATER, JOSHUA ALEXANDER, NL
[72] BERREVOETS, REMON CIARAN, NL
[72] MIDDELBURG, THOMAS, NL
[71] Q*BIRD B.V., NL
[85] 2024-06-07
[86] 2022-12-08 (PCT/NL2022/050709)
[87] (WO2023/106922)
[30] NL (2030076) 2021-12-08

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[51] **Int.Cl. B21D 22/20 (2006.01) B21D 22/28 (2006.01) B21D 24/00 (2006.01) B21D 37/16 (2006.01) B21D 51/26 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING QUADRILATERAL CAN AND PRESS MACHINE**
[54] **PROCEDE DE FABRICATION DE BOITE CARREE ET PRESSE**
[72] TSUKADA, KAZUHIKO, JP
[72] OOHORI, KEI, JP
[72] OSAFUNE, TATSUYA, JP
[72] OGAWA, YOUSUKE, JP
[72] NAKAGAWA, TAKANORI, JP
[72] ONUKI, RYUJI, JP
[72] HANADA, RYOSUKE, JP
[71] TOYO SEIKAN CO., LTD., JP
[85] 2024-06-07
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[87] (WO2023/162365)
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[51] **Int.Cl. A61B 17/072 (2006.01)**
[25] EN
[54] **CARTRIDGE ASSEMBLY AND SURGICAL STAPLER**
[54] **ENSEMBLE CARTOUCHE D'AGRAFES ET AGRAFEUSE MEDICALE**
[72] DING, SHUICHENG, CN
[71] TOUCHSTONE INTERNATIONAL MEDICAL SCIENCE CO., LTD., CN
[85] 2024-06-07
[86] 2022-12-13 (PCT/CN2022/138533)
[87] (WO2023/109788)
[30] CN (202123200263.1) 2021-12-17

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[51] **Int.Cl. B65D 35/10 (2006.01) B29C 53/38 (2006.01)**
[25] EN
[54] **RECYCLABLE PACKAGING AND MANUFACTURING METHOD**
[54] **EMBALLAGE RECYCLABLE ET PROCEDE DE FABRICATION**
[72] DEMAUREX, GILLES, CH
[72] THOMASSET, JACQUES, FR
[71] AISAPACK HOLDING SA, CH
[85] 2024-06-07
[86] 2023-02-16 (PCT/IB2023/051408)
[87] (WO2023/175412)
[30] EP (22162602.1) 2022-03-17

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[51] **Int.Cl. A61K 47/64 (2017.01) C12N 5/0775 (2010.01) C12N 5/078 (2010.01) A61K 38/46 (2006.01) A61K 39/385 (2006.01) A61K 49/00 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) C07K 7/06 (2006.01) C07K 7/08 (2006.01) C07K 14/00 (2006.01) C12N 9/22 (2006.01) C12N 15/10 (2006.01)**
[25] EN
[54] **STEROID ACID-PEPTIDE BASED INTRACELLULAR CARGO DELIVERY**
[54] **DISTRIBUTION DE CHARGE INTRACELLULAIRE BASEE SUR UN ACIDE STEROIDE-PEPTIDE**
[72] BEAUDOIN, SIMON, CA
[71] DEFENCE THERAPEUTICS INC., CA
[85] 2024-06-07
[86] 2022-12-08 (PCT/CA2022/051795)
[87] (WO2023/102661)
[30] US (63/265,125) 2021-12-08
[30] US (63/362,487) 2022-04-05

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[25] EN
[54] **A CLUSTER DEROTATION TOOL AND METHODS OF USING THE SAME**
[54] **OUTIL GROUPE DE DEROTATION ET PROCEDES D'UTILISATION DE LA MEME REFERENCE CROISEE DANS UNE APPLICATION ASSOCIEE**
[72] GIBBS, COLLIN B., US
[72] PRYGOSKI, MATTHEW PHILIP, US
[72] DETLEFSEN, RICHARD, US
[72] FOX, CAMDEN L., US
[72] LUBENSKY, SCOTT ALAN, US
[72] DANIELS, DAVID W., US
[71] ORTHOPEDIATRICS, CORP., US
[85] 2024-06-07
[86] 2022-12-07 (PCT/US2022/052105)
[87] (WO2023/107543)
[30] US (63/287,673) 2021-12-09

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[13] A1
[51] **Int.Cl. H04B 10/70 (2013.01) G01B 9/02003 (2022.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MATCHING FREQUENCIES OF LASERS IN A QUANTUM COMMUNICATION SYSTEM**
[54] **PROCEDE ET SYSTEME D'ADAPTATION DES FREQUENCES DES LASERS DANS UN SYSTEME DE COMMUNICATION QUANTUMIQUE**
[72] SLATER, JOSHUA ALEXANDER, NL
[72] MIDDELBURG, THOMAS, NL
[72] BERREVOETS, REMON CIARAN, NL
[71] Q*BIRD B.V., NL
[85] 2024-06-07
[86] 2022-12-08 (PCT/NL2022/050710)
[87] (WO2023/106923)
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[51] **Int.Cl. E21B 7/15 (2006.01) E21B 47/135 (2012.01) E21B 47/04 (2012.01)**
[25] EN
[54] **RATE OF PENETRATION/DEPTH MONITOR FOR A BOREHOLE FORMED WITH MILLIMETER-WAVE BEAM**
[54] **TAUX DE PENETRATION/DISPOSITIF DE SURVEILLANCE DE PROFONDEUR POUR TROU DE FORAGE FORME AVEC FAISCEAU D'ONDES MILLIMETRIQUES**
[72] WOSKOV, PAUL P., US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[85] 2024-06-07
[86] 2022-10-18 (PCT/US2022/078255)
[87] (WO2023/122372)
[30] US (63/291,731) 2021-12-20

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[51] **Int.Cl. F26B 3/06 (2006.01)**
[25] EN
[54] **APPARATUS FOR CONTINUOUS DRYING OF PARTICLES COMPRISING A CONTROL LOOP**
[54] **APPAREIL DE SECHAGE EN CONTINU DE PARTICULES COMPRENANT UNE BOUCLE DE REGULATION**
[72] CROSSET, LEON, BE
[71] CROSSET, LEON, BE
[85] 2024-06-07
[86] 2023-01-23 (PCT/EP2023/051500)
[87] (WO2023/144064)
[30] BE (BE20225049) 2022-01-26

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[51] **Int.Cl. H04L 9/40 (2022.01) G06F 16/34 (2019.01) H04L 67/02 (2022.01)**
[25] EN
[54] **DELETING WEB BROWSER DATA**
[54] **SUPPRESSION DE DONNEES DE NAVIGATEUR WEB**
[72] DROR, AMIT, IL
[72] ROTMAN, DOR, IL
[72] LEIBOVICH, ROI, IL
[72] AMIGA, DAN, IL
[71] ISLAND TECHNOLOGY, INC., US
[85] 2024-06-07
[86] 2022-12-14 (PCT/IB2022/062207)
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[30] US (63/289,169) 2021-12-14

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[51] **Int.Cl. C21B 7/24 (2006.01) C21B 13/00 (2006.01)**
[25] EN
[54] **A METHOD FOR THE PRODUCTION OF SPONGE IRON FROM IRON ORE**
[54] **PROCEDE DE PRODUCTION DE FER SPONGIEUX A PARTIR DE MINERAI DE FER**
[72] VON SCHENCK, HENRIK, SE
[71] HYBRIT DEVELOPMENT AB, SE
[85] 2024-06-07
[86] 2023-02-17 (PCT/SE2023/050147)
[87] (WO2023/158364)
[30] SE (2250229-8) 2022-02-21

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[51] **Int.Cl. C25B 1/04 (2021.01) C25B 9/19 (2021.01) C25B 9/73 (2021.01) C25B 9/77 (2021.01) C25B 1/26 (2006.01)**
[25] EN
[54] **SEALED ELECTROLYSIS CELL**
[54] **CELLULE D'ELECTROLYSE ETANCHE**
[72] AYRAK, EMRE, DE
[72] TOROS, PETER, DE
[72] KLINK, STEFAN, DE
[72] BRINKMANN, JONAS, DE
[71] THYSSENKRUPP NUCERA AG & CO. KGAA, DE
[85] 2024-06-07
[86] 2022-12-21 (PCT/EP2022/087203)
[87] (WO2023/118278)
[30] EP (21217263.9) 2021-12-23

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[13] A1
[51] **Int.Cl. G06T 7/246 (2017.01) G06T 7/90 (2017.01) G16B 25/10 (2019.01)**
[25] EN
[54] **PRIMARY ANALYSIS IN NEXT GENERATION SEQUENCING**
[54] **ANALYSE PRIMAIRE DANS LE CADRE D'UN SEQUENCAGE DE NOUVELLE GENERATION**
[72] ZHOU, CHUNHONG, US
[72] KRUGLYAK, SEMYON, US
[72] GARCIA, FRANCISCO, US
[72] GUO, MINGHAO, US
[72] WANG, HAOSEN, US
[72] KELLY, RYAN, US
[71] ELEMENT BIOSCIENCES, INC., US
[85] 2024-06-07
[86] 2022-12-09 (PCT/US2022/052449)
[87] (WO2023/107720)
[30] US (17/547,602) 2021-12-10
[30] US (63/316,784) 2022-03-04
[30] US (63/316,790) 2022-03-04
[30] US (17/725,042) 2022-04-20
[30] US (17/725,065) 2022-04-20
[30] US (63/349,421) 2022-06-06
[30] US (17/854,042) 2022-06-30

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[13] A1
[51] **Int.Cl. H04L 9/40 (2022.01) G06F 21/33 (2013.01)**
[25] EN
[54] **DEFENDING WEB BROWSERS AGAINST MAN-IN-THE-MIDDLE ATTACKS**
[54] **DEFENSE DE NAVIGATEURS WEB CONTRE LES ATTAQUES PAR INTERCEPTION**
[72] LEIBOVICH, ROI, IL
[72] LESHENKO, NIKITA, IL
[72] DALAL, RON, IL
[72] AMIGA, DAN, IL
[71] ISLAND TECHNOLOGY, INC., US
[85] 2024-06-07
[86] 2022-12-14 (PCT/IB2022/062212)
[87] (WO2023/111893)
[30] US (63/289,168) 2021-12-14

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[13] A1
[51] **Int.Cl. C25B 1/04 (2021.01) C25B 15/029 (2021.01) C25B 1/26 (2006.01) C25B 15/08 (2006.01)**
[25] EN
[54] **AQUEOUS SOLUTION ELECTROLYSIS METHOD**
[54] **PROCEDE D'ELECTROLYSE DE SOLUTION AQUEUSE**
[72] MISUMI, RYUTA, JP
[72] MITSUSHIMA, SHIGENORI, JP
[72] IKEDA, HAYATA, JP
[72] NISHIKI, YOSHINORI, JP
[72] KATO, AKIHIRO, JP
[72] NAKAI, TAKAAKI, JP
[71] NATIONAL UNIVERSITY CORPORATION YOKOHAMA NATIONAL UNIVERSITY, JP
[71] DE NORA PERMELEC LTD, JP
[85] 2024-06-07
[86] 2022-09-29 (PCT/JP2022/036355)
[87] (WO2023/119779)
[30] JP (2021-211341) 2021-12-24

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[13] A1
[51] **Int.Cl. A61B 10/04 (2006.01) A61B 17/00 (2006.01)**
[25] EN
[54] **DEVICES, SYSTEMS, AND METHODS FOR IN VIVO TISSUE DECONSTRUCTION**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE DECONSTRUCTION DE TISSU IN VIVO**
[72] DEMMY, TODD L., US
[71] ROSWELL PARK CANCER INSTITUTE CORPORATION
HEALTH RESEARCH, INC., US
[85] 2024-06-07
[86] 2022-12-19 (PCT/US2022/053384)
[87] (WO2023/122027)
[30] US (63/291,651) 2021-12-20

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[13] A1
[51] **Int.Cl. C12Q 1/6869 (2018.01) G06T 7/246 (2017.01) C12Q 1/6872 (2018.01) G16B 25/10 (2019.01) G16B 15/00 (2019.01)**
[25] EN
[54] **PRIMARY ANALYSIS IN NEXT GENERATION SEQUENCING**
[54] **ANALYSE PRIMAIRE DANS LE CADRE D'UN SEQUENCAGE DE NOUVELLE GENERATION**
[72] THOMPSON, CONNOR, US
[72] LIU, TSUNG-LI, US
[72] KRUGLYAK, SEMYON, US
[72] GUO, MINGHAO, US
[71] ELEMENT BIOSCIENCES, INC., US
[85] 2024-06-07
[86] 2022-12-09 (PCT/US2022/052448)
[87] (WO2023/107719)
[30] US (17/547,602) 2021-12-10
[30] US (63/349,421) 2022-06-06
[30] US (17/854,042) 2022-06-30
[30] US (63/388,183) 2022-07-11

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[13] A1
[51] **Int.Cl. G06F 9/445 (2018.01)**
[25] EN
[54] **ENABLING WEB BROWSER EXTENSIONS TO PERFORM ASYNCHRONOUS BLOCKING OPERATIONS**
[54] **ACTIVATION D'EXTENSIONS DE NAVIGATEUR WEB POUR EFFECTUER DES OPERATIONS DE BLOCAGE ASYNCHRONE**
[72] GOLAN, SAN, IL
[72] ZUARETES, LIRON, IL
[72] AMIGA, DAN, IL
[71] ISLAND TECHNOLOGY, INC., US
[85] 2024-06-07
[86] 2022-12-14 (PCT/IB2022/062214)
[87] (WO2023/111894)
[30] US (63/289,172) 2021-12-14

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[13] A1
[51] **Int.Cl. A61B 8/14 (2006.01) A61B 17/34 (2006.01)**
[25] EN
[54] **TECHNOLOGIES FOR ULTRASOUND ASYNCHRONOUS RESONANCE IMAGING (ARI) FOR NEEDLE TIP LOCALIZATION**
[54] **TECHNOLOGIES D'IMAGERIE PAR RESONANCE ASYNCHRONE ULTRASONORE (ARI) POUR LOCALISATION DE POINTE D'AIGUILLE**
[72] MATTHIAS, ISAAC, US
[71] EASTERN SONOGRAPHICS CORPORATION, US
[85] 2024-06-07
[86] 2022-12-12 (PCT/US2022/052586)
[87] (WO2023/107745)
[30] US (63/288,072) 2021-12-10
[30] US (63/293,322) 2021-12-23
[30] US (63/296,607) 2022-01-05
[30] US (63/299,558) 2022-01-14
[30] US (63/307,701) 2022-02-08
[30] US (63/318,986) 2022-03-11
[30] US (63/348,160) 2022-06-07

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[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **CDK4 AND 6 INHIBITOR IN COMBINATION WITH FULVESTRANT FOR THE TREATMENT OF HORMONE RECEPTOR-POSITIVE, HUMAN EPIDERMAL GROWTH FACTOR RECEPTOR 2-NEGATIVE ADVANCED OR METASTATIC BREAST CANCER IN PATIENTS PREVIOUSLY TREATED WITH A CDK4 AND 6 INHIBITO**
[54] **INHIBITEUR DE CDK4 ET 6 EN COMBINAISON AVEC DU FULVESTRANT POUR LE TRAITEMENT DU CANCER DU SEIN AVANCE OU METASTATIQUE POSITIF POUR LE RECEPTEUR HORMONAL, NEGATIF POUR LE RECEPTEUR 2 DU FACTEUR DE CROISSANCE EPIDERMIQUE HUMAIN CHEZ DES PATIENTS PREALABLEMENT TRAITES AVEC UN INHIBITEUR DE CDK4 ET**
[72] LITCHFIELD, LACEY MORGAN, US
[72] MORATO GUIMARAES, CLAUDIA, US
[71] ELI LILLY AND COMPANY, US
[85] 2024-06-07
[86] 2022-12-07 (PCT/US2022/052071)
[87] (WO2023/107525)
[30] US (63/288,179) 2021-12-10
[30] US (63/321,218) 2022-03-18

[21] **3,240,455**
[13] A1
[51] **Int.Cl. C12P 19/34 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR ENZYMATIC POLYNUCLEOTIDE SYNTHESIS AND METHODS OF USE**
[54] **COMPOSITIONS POUR SYNTHESE DE POLYNUCLEOTIDES ENZYMATIQUES ET PROCEDES D'UTILISATION**
[72] NICHOLS, ROBERT, US
[72] PALLUK, SEBASTIAN, US
[71] ANSA BIOTECHNOLOGIES, INC., US
[85] 2024-06-07
[86] 2022-12-16 (PCT/US2022/081882)
[87] (WO2023/115047)
[30] US (63/290,310) 2021-12-16

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[13] A1
[51] **Int.Cl. A61B 17/34 (2006.01) A61M 25/01 (2006.01)**
[25] EN
[54] **OBTURATOR WITH STIFF DISTAL CANNULA ENGAGEMENT REGION**
[54] **OBTURATEUR DOTE D'UNE REGION DE MISE EN PRISE DE CANULE DISTALE RIGIDE**
[72] GOMES, GARRETT J., US
[72] CARPENTER, KENDALL, US
[71] NEPTUNE MEDICAL INC., US
[85] 2024-06-07
[86] 2022-12-21 (PCT/US2022/082141)
[87] (WO2023/122667)
[30] US (63/292,415) 2021-12-21

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[13] A1
[51] **Int.Cl. C12Q 1/6844 (2018.01) C12P 19/34 (2006.01)**
[25] EN
[54] **METHODS OF POLYNUCLEOTIDE SYNTHESIS**
[54] **PROCEDES DE SYNTHESE DE POLYNUCLEOTIDES**
[72] ESTRIN, ERIC, US
[72] PALLUK, SEBASTIAN, US
[72] ARLOW, DANIEL, US
[71] ANSA BIOTECHNOLOGIES, INC., US
[85] 2024-06-07
[86] 2022-12-16 (PCT/US2022/081871)
[87] (WO2023/115040)
[30] US (63/290,320) 2021-12-16

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[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01)**
[25] EN
[54] **ARRDC1-MEDIATED MICROVESICLES (ARMMS) DEGRADING SYSTEM AND USES THEREOF**
[54] **SYSTEME DE DEGRADATION DE MICROVESICULES A MEDIATION PAR ARRDC1 (ARMM) ET SES UTILISATIONS**
[72] MILLMAN, ROBERT, US
[72] NABHAN, JOSEPH, US
[72] BUFFINGER, NICHOLAS, US
[71] VESIGEN, INC., US
[85] 2024-06-07
[86] 2022-12-08 (PCT/US2022/081213)
[87] (WO2023/108089)
[30] US (63/287,683) 2021-12-09

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[13] A1
[51] **Int.Cl. H04W 36/00 (2009.01)**
[25] EN
[54] **NETWORK ACCESS METHOD AND COMMUNICATION APPARATUS**
[54] **PROCEDE D'ACCES AU RESEAU ET APPAREIL DE COMMUNICATION**
[72] XU, YISHAN, CN
[72] SHU, LIN, CN
[72] ZHU, HUALIN, CN
[72] ZHU, FANGYUAN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2024-06-07
[86] 2022-12-08 (PCT/CN2022/137548)
[87] (WO2023/104153)
[30] CN (202111489714.X) 2021-12-08

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[13] A1
[25] EN
[54] **EPOXY STEROIDS**
[54] **STEROIDES EPOXY**
[72] PROKOP, ARAM, DE
[72] SCHMALZ, HANS-GUNTHER, DE
[72] TASPINAR, OMER, DE
[72] BAAS, JENNIFER, DE
[72] WILCZEK, TOBIAS, DE
[71] HELIOS KLINIKEN GMBH, DE
[85] 2024-06-07
[86] 2022-12-22 (PCT/EP2022/087575)
[87] (WO2023/118484)
[30] EP (21217028.6) 2021-12-22

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[13] A1
[51] **Int.Cl. C12N 9/22 (2006.01) C12N 15/10 (2006.01)**
[25] EN
[54] **C2C9 NUCLEASE-BASED NOVEL GENOME EDITING SYSTEM AND USE THEREOF**
[54] **NOUVEAU SYSTEME D'EDITION GENOMIQUE FONDE SUR LA NUCLEASE C2C9 ET SON APPLICATION**
[72] JI, QUANJIANG, CN
[72] CHEN, WEIZHONG, CN
[72] MA, JIACHENG, CN
[71] SHANGHAITECH UNIVERSITY, CN
[85] 2024-06-07
[86] 2022-11-17 (PCT/CN2022/132596)
[87] (WO2023/098485)
[30] CN (202111445474.3) 2021-11-30

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[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/194 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01) C07C 55/07 (2006.01) C07C 55/08 (2006.01)**
[25] EN
[54] **SALT OF 3,4-DIHYDROISOQUINOLINE COMPOUND AND USE THEREOF**
[54] **SEL DE COMPOSE 3,4-DIHYDROISOQUINOLEINE ET SON UTILISATION**
[72] PENG, XIAOSHI, CN
[72] LI, PENGFEI, CN
[72] JIN, GENGEN, CN
[72] LI, CAN, CN
[72] YANG, MIN, CN
[72] LIU, XIAOZHENG, CN
[72] CUI, QIAOLI, CN
[72] SI, YAJUAN, CN
[71] CSPC ZHONGQI PHARMACEUTICAL TECHNOLOGY (SHIJIAZHUANG) CO., LTD., CN
[85] 2024-06-07
[86] 2022-12-07 (PCT/CN2022/137298)
[87] (WO2023/104107)
[30] CN (202111494667.8) 2021-12-08

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[13] A1
[51] **Int.Cl. G06Q 10/0837 (2023.01) G06Q 30/016 (2023.01) A61L 2/10 (2006.01) E05G 1/02 (2006.01) G08B 21/00 (2006.01)**
[25] EN
[54] **ITEM COLLECTION, RETURN, EXCHANGE WITHOUT HUMAN INTERACTION**
[54] **COLLECTE, RETOUR, ECHANGE D'ARTICLES SANS INTERACTION HUMAINE**
[72] WHEELER, NOLAN RICHARD, CA
[72] RODRIGUEZ, JOSHUA DIEGO ALEXANDER, CA
[71] SYNQ ACCESS + SECURITY TECHNOLOGY LTD., CA
[85] 2024-06-07
[86] 2022-12-08 (PCT/CA2022/051798)
[87] (WO2023/102663)
[30] US (63/287,681) 2021-12-09

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[13] A1
[51] **Int.Cl. C07C 59/64 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **POLYMER CONJUGATED THYROINTEGRIN ANTAGONISTS**
[54] **ANTAGONISTES DE THYROINTEGRINE CONJUGUES A UN POLYMERE**
[72] MOUSA, SHAKER A., US
[72] HAY, BRUCE A., US
[72] KARAKUS, OZLEM OZEN, US
[71] NANOPHARMACEUTICALS LLC, US
[85] 2024-06-07
[86] 2022-12-06 (PCT/US2022/051900)
[87] (WO2023/107412)
[30] US (17/546,328) 2021-12-09

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[13] A1
[51] **Int.Cl. A61P 31/10 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING VORICONAZOLE INHALATION POWDER AND METHODS OF MANUFACTURE AND USE THEREOF**
[54] **COMPOSITIONS COMPRENANT DE LA POUDRE DE VORICONAZOLE POUR INHALATION ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] CHRISTENSEN, DALE J., US
[72] KOLENG, JOHN, US
[71] TFF PHARMACEUTICALS, INC., US
[85] 2024-06-07
[86] 2022-12-16 (PCT/US2022/081746)
[87] (WO2023/114966)
[30] US (63/291,055) 2021-12-17

[21] **3,240,470**
[13] A1
[25] EN
[54] **DETECTION OF PER AND POLYFLUOROALKYL SUBSTANCES USING TOTAL ORGANIC FLUORIDE**
[54] **DETECTION DE SUBSTANCES PERFLUOROALKYLEES ET POLYFLUOROALKYLEES A L'AIDE DE FLUORURE ORGANIQUE TOTAL**
[72] RAJASEKHARAN, VISHNU VARDHANAN, US
[72] JACKSON, CARY BURTON, US
[72] SALZER, MATTTHEW RYAN, US
[72] KROLL, DAN JONATHAN, US
[71] HACH COMPANY, US
[85] 2024-06-07
[86] 2023-01-19 (PCT/US2023/011102)
[87] (WO2023/141184)
[30] US (17/580,215) 2022-01-20

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[13] A1
[51] **Int.Cl. C07J 31/00 (2006.01) A61K 31/575 (2006.01) A61K 47/28 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) A61P 27/16 (2006.01)**
[25] EN
[54] **BILE ACID CONJUGATE**
[54] **CONJUGUE D'ACIDE BILIAIRE**
[72] AL-SALAMI, HANI, AU
[72] MOORANIAN, ARMIN, AU
[72] LUNA, GIUSEPPE, AU
[72] DOLZHENKO, ANTON, AU
[72] MAMO, JOHN, AU
[72] TAKECHI, RYU, AU
[72] LAM, VIRGINIE, AU
[71] CURTIN UNIVERSITY, AU
[85] 2024-06-07
[86] 2022-12-09 (PCT/AU2022/051481)
[87] (WO2023/102613)
[30] AU (2021904008) 2021-12-10

[21] **3,240,472**
[13] A1
[25] EN
[54] **METHODS AND KITS FOR ASSAYING A LARGE FLUID VOLUME USING FLOW CYTOMETRY**
[54] **PROCEDES ET KITS DE DOSAGE D'UN GRAND VOLUME DE FLUIDE PAR CYTOMETRIE DE FLUX**
[72] KROLL, DAN, US
[71] HACH COMPANY, US
[85] 2024-06-07
[86] 2022-12-19 (PCT/US2022/053302)
[87] (WO2023/121990)
[30] US (63/291,796) 2021-12-20

[21] **3,240,473**
[13] A1
[51] **Int.Cl. E21B 7/06 (2006.01) E21B 23/01 (2006.01)**
[25] EN
[54] **TWO-PART DRILLING/RUNNING AND ACTIVATION TOOL**
[54] **OUTIL D'ACTIVATION ET DE FORAGE/POSE EN DEUX PARTIES**
[72] LAJESIC, BORISA, NO
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2024-06-07
[86] 2022-12-20 (PCT/US2022/081998)
[87] (WO2023/158518)
[30] US (63/311,513) 2022-02-18
[30] US (18/084,010) 2022-12-19

[21] **3,240,474**
[13] A1
[51] **Int.Cl. A61J 15/00 (2006.01) A61M 39/02 (2006.01) A61M 39/10 (2006.01)**
[25] FR
[54] **CAP FOR A LOCKING ASSEMBLY OF AN ENTERAL FEEDING SYSTEM**
[54] **CAPUCHON POUR UN ENSEMBLE DE VERROUILLAGE D'UN SYSTEME D'ALIMENTATION ENTERALE**
[72] MERCIER, ANNE, FR
[71] TREMMA, FR
[85] 2024-06-07
[86] 2022-12-07 (PCT/EP2022/084874)
[87] (WO2023/104930)
[30] FR (FR2113096) 2021-12-07

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[13] A1
[51] **Int.Cl. G01G 3/14 (2006.01) G01G 23/01 (2006.01)**
[25] EN
[54] **TILT COMPENSATION APPARATUS AND TILT COMPENSATION METHOD THEREFOR**
[54] **APPAREIL DE COMPENSATION D'INCLINAISON ET PROCEDE DE COMPENSATION D'INCLINAISON ASSOCIE**
[72] WU, JIANWEI, CN
[72] LIN, HONGZHI, CN
[72] FANG, CHAO, CN
[72] WANG, JIFENG, CN
[71] METTLER-TOLEDO (CHANGZHOU) PRECISION INSTRUMENTS LTD., CN
[71] METTLER-TOLEDO (CHANGZHOU) MEASUREMENT TECHNOLOGY LTD., CN
[71] METTLER-TOLEDO INTERNATIONAL TRADING (SHANGHAI) CO., LTD., CN
[85] 2024-06-07
[86] 2022-12-08 (PCT/CN2022/137455)
[87] (WO2023/104135)
[30] CN (202111504899.7) 2021-12-10

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[13] A1
[51] **Int.Cl. G01R 22/10 (2006.01) G01R 35/04 (2006.01)**
[25] EN
[54] **GENERATING SIMULATED WAVEFORMS FOR AN ELECTRIC METER**
[54] **GENERATION DE FORMES D'ONDE SIMULEES POUR COMPTEUR ELECTRIQUE**
[72] BOBICK, DAVID ANDREW, US
[71] LANDIS+GYR INNOVATIONS, INC., US
[85] 2024-06-07
[86] 2022-12-06 (PCT/US2022/052047)
[87] (WO2023/114054)
[30] US (17/549,522) 2021-12-13

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[13] A1
[51] **Int.Cl. B60W 60/00 (2020.01) G06N 20/00 (2019.01) G06N 3/08 (2023.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR EXPANDING THE OPERATIONAL DESIGN DOMAIN OF AN AUTONOMOUS AGENT**
[54] **PROCEDE ET SYSTEME POUR ETENDRE LE DOMAINE DE CONCEPTION OPERATIONNELLE D'UN AGENT AUTONOME**
[72] KUMAVAT, APEKSHA, US
[72] NARANG, ARJUN, US
[72] NARANG, GAUTAM, US
[72] ANIL, ENGIN BURAK, US
[71] GATIK AI INC., US
[85] 2024-06-07
[86] 2022-12-14 (PCT/US2022/052894)
[87] (WO2023/114330)
[30] US (63/290,531) 2021-12-16
[30] US (63/316,108) 2022-03-03

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[13] A1
[51] **Int.Cl. B65G 17/46 (2006.01) B65G 54/02 (2006.01) B65G 13/075 (2006.01) B65G 15/58 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR TRANSPORTING METALLIC CONTAINERS USING ELECTRO ADHESION**
[54] **PROCEDE ET APPAREIL POUR TRANSPORTER DES RECIPIENTS METALLIQUES A L'AIDE D'UNE ADHERENCE ELECTRIQUE**
[72] PAES, LEONARDO JOSE, BR
[71] BALL CORPORATION, US
[85] 2024-06-07
[86] 2022-12-09 (PCT/US2022/081308)
[87] (WO2023/108147)
[30] US (63/288,413) 2021-12-10
[30] US (18/064,126) 2022-12-09

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[13] A1
[51] **Int.Cl. A47K 10/06 (2006.01) F26B 3/04 (2006.01)**
[25] EN
[54] **TOWEL RACK**
[54] **PORTE-SERVIETTES**
[72] WALLANDER, JAMES, US
[72] WALLANDER, WILLIAM, US
[72] DOWD, PAUL, US
[72] BARRIGAS, NORMAN, US
[72] BLOCK, DAVID, US
[71] VISTAROCK HOLDINGS LLC, US
[85] 2024-06-07
[86] 2022-12-08 (PCT/US2022/052226)
[87] (WO2023/107605)
[30] US (63/288,173) 2021-12-10
[30] US (63/344,449) 2022-05-20
[30] US (63/347,642) 2022-06-01

[21] **3,240,480**
[13] A1
[51] **Int.Cl. E21B 34/14 (2006.01) E21B 34/08 (2006.01)**
[25] EN
[54] **LOW-DENSITY CERAMIC FLOATS FOR USE IN A DOWNHOLE ENVIRONMENT**
[54] **FLOTTEURS EN CERAMIQUE DE FAIBLE MASSE VOLUMIQUE DESTINES A ETRE UTILISES DANS UN ENVIRONNEMENT DE FOND DE TROU**
[72] GRECI, STEPHEN MICHAEL, US
[72] MCCHESNEY, RYAN W., US
[72] NOVELEN, RYAN M., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2024-06-07
[86] 2023-03-24 (PCT/US2023/064898)
[87] (WO2023/183899)
[30] US (63/323,669) 2022-03-25
[30] US (18/125,558) 2023-03-23

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[13] A1
[51] **Int.Cl. E21B 21/10 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **LOW-DENSITY FLOATS INCLUDING ONE OR MORE HOLLOW CERAMIC SHELLS FOR USE IN A DOWNHOLE ENVIRONMENT**
[54] **FLOTTEURS BASSE DENSITE COMPRENANT UNE OU PLUSIEURS COQUES CERAMIQUES CREUSES DESTINEES A ETRE UTILISEES DANS UN ENVIRONNEMENT DE FOND DE TROU**
[72] GRECI, STEPHEN MICHAEL, US
[72] MCCHESNEY, RYAN W., US
[72] NOVELEN, RYAN M., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2024-06-07
[86] 2023-03-24 (PCT/US2023/064907)
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[30] US (18/125,584) 2023-03-23

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[51] **Int.Cl. H04W 48/16 (2009.01) H04W 4/02 (2018.01) H04L 9/40 (2022.01) H04W 48/12 (2009.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IN-FLIGHT CONNECTIVITY**
[54] **SYSTEMES ET PROCEDES DE CONNECTIVITE EN VOL**
[72] O'NEAL, STEPHEN, US
[72] PRENGER, ROGER M., US
[72] PANLILIO, MARIA C., US
[72] ABHYANKAR, RAHUL S., US
[71] VIASAT, INC., US
[85] 2024-06-07
[86] 2022-12-10 (PCT/US2022/052471)
[87] (WO2023/107728)
[30] US (63/288,165) 2021-12-10

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[13] A1
[51] **Int.Cl. C07K 16/40 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **THERAPEUTIC ANTIBODIES THAT BIND TO THE SERINE PROTEASE DOMAIN OF MASP-2 AND USES THEREOF**
[54] **ANTICORPS THERAPEUTIQUES QUI SE LIENT AU DOMAINE SERINE PROTEASE DE MASP-2 ET LEURS UTILISATIONS**
[72] DUDLER, THOMAS, US
[72] NOLLERT VON SPECHT, PETER KURT, US
[72] YABUKI, MUNEHISA, US
[72] YASEEN, SADAM, US
[71] OMEROS CORPORATION, US
[85] 2024-06-07
[86] 2022-12-07 (PCT/US2022/081121)
[87] (WO2023/108028)
[30] US (63/288,174) 2021-12-10
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[51] **Int.Cl. G01S 17/04 (2020.01) G01S 17/894 (2020.01) G01S 17/36 (2006.01)**
[25] EN
[54] **RELIABLE OPTICAL TIME-OF-FLIGHT METHOD FOR DETERMINING DISTANCE VALUES**
[54] **PROCEDE OPTIQUE FIABLE DE TEMPS DE VOL POUR DETERMINER DES VALEURS DE DISTANCE**
[72] UHLENBROCK, CHRISTIAN, DE
[72] NEIDHART, JOHANNES, DE
[72] HUANG, YU-RU, TW
[72] HENG WEI CHANG, SHELDON, TW
[71] K.A. SCHMERSAL HOLDING GMBH & CO. KG, DE
[85] 2024-06-07
[86] 2022-12-06 (PCT/EP2022/084647)
[87] (WO2023/117414)
[30] DE (10 2021 134 150.7) 2021-12-21

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[13] A1
[51] **Int.Cl. G06F 9/38 (2018.01) G06F 9/48 (2006.01)**
[25] EN
[54] **ATOMICITY RETAINING METHOD AND PROCESSOR, AND ELECTRONIC DEVICE**
[54] **PROCEDE DE MAINTIEN D'ATOMICITE, PROCESSEUR ET DISPOSITIF ELECTRONIQUE**
[72] WANG, WENXIANG, CN
[71] LOONGSON TECHNOLOGY CORPORATION LIMITED, CN
[85] 2024-06-07
[86] 2022-12-08 (PCT/CN2022/137510)
[87] (WO2023/104146)
[30] CN (202111507703.X) 2021-12-10

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[13] A1
[51] **Int.Cl. C07D 309/32 (2006.01)**
[25] EN
[54] **CANNABICHROMENEQUINONE AND ANALOGUES THEREOF, AND METHOD OF USING COMPOSITIONS THEREOF AS ANTI-INFLAMMATORY AGENTS**
[54] **CANNABICHROMENEQUINONE, ANALOGUES DE CELLE-CI ET PROCEDE D'UTILISATION DE COMPOSITIONS ASSOCIEES EN TANT QU'AGENTS ANTI-INFLAMMATOIRES**
[72] GANGWAR, SANJEEV, US
[72] MILLER, GUY, US
[71] JUVA LIFE, INC., US
[85] 2024-06-07
[86] 2022-12-13 (PCT/US2022/052740)
[87] (WO2023/114229)
[30] US (63/290,509) 2021-12-16

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[51] **Int.Cl. G06F 9/30 (2018.01) G06F 15/80 (2006.01)**
[25] EN
[54] **VECTOR SHIFT METHOD, PROCESSOR, AND ELECTRONIC DEVICE**
[54] **PROCEDE DE DECALAGE DE VECTEUR, PROCESSEUR ET DISPOSITIF ELECTRONIQUE**
[72] WANG, WENXIANG, CN
[71] LOONGSON TECHNOLOGY CORPORATION LIMITED, CN
[85] 2024-06-07
[86] 2022-12-08 (PCT/CN2022/137506)
[87] (WO2023/104145)
[30] CN (202111509173.2) 2021-12-10

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[51] **Int.Cl. E04H 15/48 (2006.01) E04H 15/54 (2006.01)**
[25] EN
[54] **VARIABLE TEMPORARY STRUCTURE**
[54] **STRUCTURE TEMPORAIRE VARIABLE**
[72] LACY, AMANDA, US
[71] BIJOU CORP., US
[85] 2024-06-07
[86] 2022-12-10 (PCT/US2022/052476)
[87] (WO2023/107732)
[30] US (17/547,223) 2021-12-10
[30] US (29/845,332) 2022-07-06

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[13] A1
[51] **Int.Cl. G08G 3/00 (2006.01)**
[25] EN
[54] **METHOD AND COMPUTING DEVICE FOR GENERATING A SPATIAL AND TEMPORAL MAP OF ESTIMATED VESSELS TRAFFIC IN AN AREA**
[54] **PROCEDE ET DISPOSITIF INFORMATIQUE POUR GENERER UNE CARTE SPATIO-TEMPORELLE D'UN TRAFIC DE NAVIRES ESTIME DANS UNE ZONE**
[72] BIDEAUD, HELENE, FR
[71] TOTALENERGIES ONETECH, FR
[85] 2024-06-08
[86] 2021-12-09 (PCT/IB2021/000956)
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[13] A1
[51] **Int.Cl. A47F 1/03 (2006.01)**
[25] EN
[54] **BULK DOSING SYSTEM**
[54] **SYSTEME DE DOSAGE EN VRAC**
[72] PRIESTER, LAURA, CH
[72] JARISCH, CHRISTIAN, CH
[72] SCORRANO, LUCIO, CH
[72] GEBS, JONATHAN, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2024-06-08
[86] 2022-11-18 (PCT/EP2022/082372)
[87] (WO2023/104470)
[30] EP (21213647.7) 2021-12-10

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[13] A1
[51] **Int.Cl. A47K 5/12 (2006.01) B65D 75/58 (2006.01)**
[25] EN
[54] **DISPENSER DEVICE FOR LIQUIDS IN CONTAINER BAG**
[54] **DISPOSITIF DE DISTRIBUTION POUR LIQUIDES DANS SAC CONTENANT DU LIQUIDE**
[72] SZYMANSKI, MAREK, AU
[71] SMAOINTE NUA LIMITED, IE
[85] 2024-06-09
[86] 2022-12-09 (PCT/AU2022/051486)
[87] (WO2023/102618)
[30] AU (2021903986) 2021-12-09

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[13] A1
[51] **Int.Cl. B65B 17/02 (2006.01) B65D 71/42 (2006.01)**
[25] EN
[54] **PACKAGING SYSTEM**
[54] **SYSTEME D'EMBALLAGE**
[72] PALACIOS HERNANDEZ, JUAN C., US
[72] ZACHERLE, MATTHEW E, US
[71] WESTROCK PACKAGING SYSTEMS, LLC, US
[85] 2024-06-10
[86] 2022-12-14 (PCT/US2022/052905)
[87] (WO2023/114338)
[30] US (63/289,191) 2021-12-14

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[13] A1
[51] **Int.Cl. B63H 9/071 (2020.01) B63H 9/072 (2020.01)**
[25] FR
[54] **STRUCTURE FOR ACCOMMODATING A POD FOR A TRACTION KITE AND METHOD FOR THE TAKE-OFF AND LANDING OF A SUCH A POD.**
[54] **STRUCTURE D'ACCUEIL D'UNE NACELLE D'AILE VOLANTE DE TRACTION ET PROCEDE DE DECOLLAGE ET D'ATTERRISSAGE D'UNE TELLE NACELLE.**
[72] LAMAT, ERIC, FR
[72] JAN, STEPHANE, FR
[72] HAUDEBAULT, JEAN-LUC, FR
[71] AIRSEAS, FR
[85] 2024-06-10
[86] 2022-12-02 (PCT/EP2022/084235)
[87] (WO2023/110459)
[30] FR (FR2113522) 2021-12-14

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[13] A1
[51] **Int.Cl. B65D 25/10 (2006.01) B65D 81/20 (2006.01)**
[25] FR
[54] **RECEPTACLE FOR STORING AND PRESERVING A CARTRIDGE HAVING A NOZZLE FOR DISPENSING A POLYMERISABLE RESIN**
[54] **RECEPTACLE DE STOCKAGE ET DE CONSERVATION D'UNE CARTOUCHE A CANULE DE DISTRIBUTION D'UNE RESINE POLYMERISABLE**
[72] CARON, CHRISTELLE, FR
[71] CRYSLA, FR
[85] 2024-06-10
[86] 2022-11-22 (PCT/EP2022/082758)
[87] (WO2023/104502)
[30] EP (21306749.9) 2021-12-10

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[13] A1
[51] **Int.Cl. E21B 43/16 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PERFORMING A POLYMER FLOOD HAVING A GRADED POLYMER CONCENTRATION**
[54] **SYSTEMES ET PROCEDES DE REALISATION D'UNE INJECTION DE POLYMERES AYANT UNE CONCENTRATION EN POLYMERES A GRADIENT**
[72] JOUENNE, STEPHANE, FR
[72] KLIMENKO, ALEXANDRA, FR
[72] MATEEN, KHALID, US
[72] MA, KUN, US
[72] LUO, HAISHAN, US
[71] TOTALENERGIES E&P RESEARCH & TECHNOLOGY USA, LLC, US
[85] 2024-06-10
[86] 2022-12-21 (PCT/US2022/053708)
[87] (WO2023/122208)
[30] US (63/292,485) 2021-12-22

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[13] A1
[51] **Int.Cl. H04W 12/04 (2021.01)**
[25] EN
[54] **AUTHENTICATION AND/OR KEY MANAGEMENT METHOD, FIRST DEVICE, TERMINAL AND COMMUNICATION DEVICE**
[54] **PROCEDE D'AUTHENTIFICATION ET/OU DE GESTION DE CLE, PREMIER DISPOSITIF, TERMINAL ET DISPOSITIF DE COMMUNICATION**
[72] ZHUANG, XIAOJUN, CN
[72] HUANG, XIAOTING, CN
[72] TIAN, YE, CN
[71] CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE, CN
[71] CHINA MOBILE COMMUNICATIONS GROUP CO., LTD., CN
[85] 2024-06-10
[86] 2022-12-28 (PCT/CN2022/142733)
[87] (WO2023/125642)
[30] CN (202111681982.1) 2021-12-31
[30] CN (202210701819.5) 2022-06-20

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[13] A1
[51] **Int.Cl. A61P 27/02 (2006.01)**
[25] EN
[54] **GAP JUNCTION MODULATORS AND THEIR USE FOR THE TREATMENT OF AGE-RELATED MACULAR DEGENERATION**
[54] **MODULATEURS DE JONCTIONS COMMUNICANTES ET LEUR UTILISATION POUR LE TRAITEMENT DE LA DEGENERESCENCE MACULAIRE LIEE A L'AGE**
[72] MOURITZEN, ULRIK, DK
[72] YOUNG, BRADFORD, US
[71] BREYE THERAPEUTICS APS, DK
[85] 2024-06-10
[86] 2022-12-21 (PCT/EP2022/087342)
[87] (WO2023/118366)
[30] US (63/292,783) 2021-12-22

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[13] A1
[51] **Int.Cl. A61K 31/675 (2006.01) A61K 31/05 (2006.01) A61K 31/4045 (2006.01) A61K 36/068 (2006.01) A61P 25/24 (2006.01) A61P 29/00 (2006.01) C07C 39/19 (2006.01) C07D 209/16 (2006.01) C07F 9/572 (2006.01)**
[25] EN
[54] **A METHOD OF TREATING DEPRESSION BY IMMUNE MODULATION**
[54] **METHODE DE TRAITEMENT DE LA DEPRESSION PAR MODULATION IMMUNITAIRE**
[72] JEFFERIES, WILFRED ARTHUR, CA
[71] MYND LIFE SCIENCES INC., CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2024-06-10
[86] 2022-11-04 (PCT/CA2022/051634)
[87] (WO2023/077234)
[30] US (63/275,997) 2021-11-05
[30] US (63/284,787) 2021-12-01

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[13] A1
[51] **Int.Cl. G06F 21/31 (2013.01) G06F 21/62 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING ACCESS TO A COMPUTING DEVICE**
[54] **SYSTEMES ET PROCEDES POUR CONTROLER L'ACCES A UN DISPOSITIF INFORMATIQUE**
[72] HUGHES, MICHAEL, CA
[72] CAVEDON, FRANCISCO AFONSO, CA
[72] ALI, MIR MUSTAFA, CA
[72] CHAWLA, TARIKA, CA
[72] KALIAZINE, ALEXANDRE, CA
[71] SHOPIFY INC., CA
[85] 2024-06-10
[86] 2022-12-09 (PCT/CA2022/051805)
[87] (WO2023/108262)
[30] US (17/548,905) 2021-12-13

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[13] A1
[51] **Int.Cl. G01N 33/574 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **BIOMARKERS TO DETECT AGGRESSIVE PROSTATE CANCER FROM INDOLENT FORMS AND TREATMENT THEREOF**
[54] **BIOMARQUEURS POUR DETECTER UN CANCER DE LA PROSTATE AGRESSIF A PARTIR DE FORMES INDOLENTES ET LEUR TRAITEMENT**
[72] PERERA, RANJAN J., US
[71] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2024-06-10
[86] 2022-12-12 (PCT/US2022/081340)
[87] (WO2023/108166)
[30] US (63/288,157) 2021-12-10

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[13] A1
[51] **Int.Cl. C01B 32/21 (2017.01) H01M 4/583 (2010.01) C10C 3/06 (2006.01)**
[25] EN
[54] **IMPROVED CARBONACEOUS COATING MATERIAL FOR BATTERY ELECTRODE MATERIALS**
[54] **MATERIAU DE REVETEMENT CARBONE AMELIORE POUR MATERIAUX D'ELECTRODE DE BATTERIE**
[72] SPAHR, MICHAEL, CH
[72] KUHNT, CHRISTOPHER, DE
[72] CLAES, JORIS, BE
[72] DENOO, BRAM, BE
[72] STIEGERT, JENS, DE
[71] RAIN CARBON BVBA, BE
[71] RAIN CARBON GERMANY GMBH, DE
[85] 2024-06-10
[86] 2022-12-13 (PCT/EP2022/085668)
[87] (WO2023/110903)
[30] EP (21214111.3) 2021-12-13

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[13] A1
[51] **Int.Cl. G06Q 10/087 (2023.01) B65G 57/22 (2006.01)**
[25] EN
[54] **MATERIAL HANDLING SYSTEM AND METHOD THEREFOR**
[54] **SYSTEME DE MANIPULATION DE MATERIAUX ET PROCEDE ASSOCIE**
[72] PANKRATOV, KIRILL, US
[72] DAVIS, CONNER, US
[72] EROKHIN, ILYA, US
[72] MUZYCHKO, OLEKSANDR, US
[71] SYMBOTIC LLC, US
[85] 2024-06-10
[86] 2022-12-09 (PCT/US2022/081251)
[87] (WO2023/108112)
[30] US (63/288,253) 2021-12-10
[30] US (18/063,202) 2022-12-08

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[13] A1
[51] **Int.Cl. A61K 31/438 (2006.01) A61P 13/12 (2006.01) A61P 35/00 (2006.01) C07D 221/20 (2006.01) C07D 471/10 (2006.01) C07D 491/107 (2006.01) C07D 495/10 (2006.01) C07F 5/02 (2006.01) C07F 7/18 (2006.01)**
[25] EN
[54] **SPIROCYCLIC INHIBITORS OF APOL1 AND METHODS OF USING SAME**
[54] **INHIBITEURS SPIROCYCLIQUES D'APOL1 ET PROCEDES D'UTILISATIONDE CEUX-CI**
[72] SENTER, TIMOTHY J., US
[72] DAKIN, LESLIE A., US
[72] CHEN, MING, US
[72] STONE, STEVEN D., US
[72] DOLGIKH, ELENA, US
[72] OLSEN, JESSICA H., US
[72] WANG, HAOXUAN, US
[71] VERTEX PHARMACEUTICALS INCORPORATED, US
[85] 2024-05-27
[86] 2022-11-29 (PCT/US2022/051274)
[87] (WO2023/101981)
[30] US (63/284,195) 2021-11-30

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[13] A1
[51] **Int.Cl. E01C 7/18 (2006.01) C09K 23/00 (2022.01) C09K 23/42 (2022.01) C04B 26/26 (2006.01) C08K 3/34 (2006.01) C08K 3/36 (2006.01) C08K 9/06 (2006.01) C08L 95/00 (2006.01)**
[25] EN
[54] **METHOD OF REDUCING TACKINESS ON SURFACE WITH A COMPOSITION CONTAINING FUMED SILICA**
[54] **PROCEDE DE REDUCTION DE L'ADHESIVITE SUR UNE SURFACE A L'AIDE D'UNE COMPOSITION CONTENANT DE LA SILICE FUMEE**
[72] THOMAS, TODD W., US
[72] EICHER, ANDREW JACOB, US
[71] HERITAGE RESEARCH GROUP, LLC, US
[85] 2024-05-28
[86] 2022-11-30 (PCT/US2022/051319)
[87] (WO2023/101998)
[30] US (63/264,687) 2021-11-30

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[13] A1
[51] **Int.Cl. E21B 41/00 (2006.01) G06F 40/279 (2020.01) G01V 99/00 (2024.01)**
[25] EN
[54] **AUTOMATED TOOLS RECOMMENDER SYSTEM FOR WELL COMPLETION**
[54] **SYSTEME AUTOMATISE DE RECOMMANDATION D'OUTILS DE COMPLETION DE PUITS**
[72] JONGARAMRUNGRUANG, SIRAPUT, US
[72] PANG, JOHN, US
[72] KONCHENKO, ANDREY SERGEEVICH, US
[72] CELAYA GALVAN, JOSE R., US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2024-05-30
[86] 2022-11-29 (PCT/US2022/051147)
[87] (WO2023/101924)
[30] US (63/284,601) 2021-11-30

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 35/28 (2015.01)**
[25] EN
[54] **DISCERNIBLE CELL SURFACE PROTEIN VARIANTS OF CD117 FOR USE IN CELL THERAPY**
[54] **VARIANTS DE PROTEINE DE SURFACE CELLULAIRE DISCERNABLE DE CD117 DESTINES A ETRE UTILISES EN THERAPIE CELLULAIRE**
[72] URLINGER, STEFANIE, DE
[72] LEPORE, ROSALBA, CH
[72] JEKER, LUKAS, CH
[72] WIEDERKEHR, AMELIE, FR
[72] SINOPOLI, ALESSANDRO, FR
[72] CAMUS, ANNA, CH
[72] WELLINGER, LISA, CH
[72] MATTER-MARONE, ROMINA, CH
[71] UNIVERSITAT BASEL, CH
[71] CIMEIO THERAPEUTICS AG, CH
[85] 2024-06-10
[86] 2022-12-16 (PCT/EP2022/086452)
[87] (WO2023/111311)
[30] EP (21215028.8) 2021-12-16
[30] EP (22164796.9) 2022-03-28
[30] EP (22207926.1) 2022-11-16

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[13] A1
[51] **Int.Cl. C07K 14/705 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING DISEASE**
[54] **COMPOSES ET METHODES DE TRAITEMENT DE MALADIES**
[72] RASHIDIAN, MOHAMMAD, US
[72] TAVAKOLPOUR, SOHEIL, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2024-06-10
[86] 2022-12-14 (PCT/US2022/081559)
[87] (WO2023/114847)
[30] US (63/289,595) 2021-12-14
[30] US (63/368,119) 2022-07-11

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[13] A1
[51] **Int.Cl. E05B 65/08 (2006.01) E05C 5/00 (2006.01)**
[25] EN
[54] **LOCKING DEVICE FOR A DOOR**
[54] **DISPOSITIF DE VERROUILLAGE POUR PORTE**
[72] PFEUTI, ANDREAS, CH
[72] BAPST, YANICK, CH
[72] DUTSCH, BEAT, CH
[71] GILGEN DOOR SYSTEMS AG, CH
[85] 2024-06-10
[86] 2022-12-08 (PCT/EP2022/084903)
[87] (WO2023/110602)
[30] CH (CH070724/2021) 2021-12-15

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[13] A1
[51] **Int.Cl. C07D 209/04 (2006.01) C07D 209/02 (2006.01) C07D 209/16 (2006.01) C07D 209/14 (2006.01)**
[25] EN
[54] **PSILOCYBIN DERIVATIVES**
[54] **DERIVES DE PSILOCYBINE**
[72] CHADEAYNE, ANDREW R., US
[71] CAAMTECH, INC., US
[85] 2024-06-10
[86] 2022-12-12 (PCT/US2022/081343)
[87] (WO2023/108167)
[30] US (63/288,000) 2021-12-10
[30] US (63/314,550) 2022-02-28
[30] US (63/330,473) 2022-04-13

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[13] A1
[51] **Int.Cl. E05D 15/06 (2006.01) E05F 15/643 (2015.01)**
[25] EN
[54] **SUSPENSION ASSEMBLY FOR A SLIDING DOOR**
[54] **ENSEMBLE DE SUSPENSION POUR PORTE COULISSANTE**
[72] PFEUTI, ANDREAS, CH
[72] BAPST, YANICK, CH
[71] GILGEN DOOR SYSTEMS AG, CH
[85] 2024-06-10
[86] 2022-07-11 (PCT/EP2022/069253)
[87] (WO2023/110169)
[30] CH (70713/2021) 2021-12-14

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[13] A1
[51] **Int.Cl. A41C 3/02 (2006.01) A41C 3/12 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR A BRA FOR USE WITH LIMITED MOBILITY**
[54] **SYSTEMES ET PROCEDES ASSOCIES A UN SOUTIEN-GORGE DESTINE A ETRE UTILISE AVEC UNE MOBILITE LIMITEE**
[72] CUERVO, NICOLE SOFIA, US
[72] HAMMITT-KESS, IVA, US
[71] SPRINGROSE, INC., US
[85] 2024-06-10
[86] 2023-01-27 (PCT/US2023/011741)
[87] (WO2023/147056)
[30] US (17/587,457) 2022-01-28

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[13] A1
[51] **Int.Cl. F42B 12/38 (2006.01) G01S 19/00 (2010.01) G01S 1/02 (2010.01)**
[25] EN
[54] **TRACKING PROJECTILE FOR TARGET DESIGNATION**
[54] **PROJECTILE DE SUIVI POUR DESIGNATION DE CIBLE**
[72] PARKER, EVAN, US
[72] PARKER, EVAN JACKSON, US
[71] INSIGHTS INTERNATIONAL HOLDINGS, LLC, DBA NANTRAK INDUSTRIES, US
[85] 2024-06-10
[86] 2022-12-08 (PCT/US2022/052282)
[87] (WO2023/107633)
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[51] **Int.Cl. B01L 9/06 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR PIPETTE ALIGNMENT**
[54] **DISPOSITIFS ET PROCEDES D'ALIGNEMENT DE PIPETTE**
[72] CHAMBERLAND, KEVIN, US
[72] COTE, JENNIFER, US
[72] REIF, REGINA LEE, US
[72] THORPE, MICHAEL, US
[72] CURTIS, JENNIFER, US
[72] DEV, ARVIND, US
[72] ROLLINS, JULIE, US
[72] ASANOV, ANDREY, US
[71] IDEXX LABORATORIES, INC., US
[85] 2024-06-10
[86] 2022-12-09 (PCT/US2022/052374)
[87] (WO2023/107683)
[30] US (63/288,408) 2021-12-10
[30] US (63/288,397) 2021-12-10
[30] US (63/288,386) 2021-12-10
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[51] **Int.Cl. A61K 8/41 (2006.01) A61Q 1/10 (2006.01)**
[25] EN
[54] **COSMETIC COMPOSITION FOR RESTRUCTURING HAIR AND IMPROVING THE APPEARANCE THEREOF**
[54] **COMPOSITION COSMETIQUE POUR LA RESTRUCTURATION DE CHEVEUX ET L'AMELIORATION DE LEUR ASPECT**
[72] GIULIANI, GIAMMARIA, CH
[72] RINALDI, FABIO, IT
[72] PINTO, DANIELA, IT
[72] MASCOLO, ANTONIO, IT
[72] MARZANI, BARBARA, IT
[71] GIULIANI S.P.A., IT
[85] 2024-06-10
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[87] (WO2023/111076)
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[25] EN
[54] **OXER1 ANTAGONISTS AND USES THEREOF**
[54] **ANTAGONISTES D'OXER1 ET LEURS UTILISATIONS**
[72] ABBOTT, SHAUN, CA
[72] GREEN, JEREMY, CA
[72] BOURQUE, ELYSE, CA
[72] DE LESELEUC, MYLENE, CA
[72] MARTEL, JULIEN, CA
[71] FAIRHAVEN PHARMACEUTICALS INC., CA
[85] 2024-06-10
[86] 2022-12-20 (PCT/CA2022/051864)
[87] (WO2023/115203)
[30] US (63/291,555) 2021-12-20

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[51] **Int.Cl. G01N 35/00 (2006.01) G01N 35/10 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR PARTICLE SOLUTION TESTING**
[54] **DISPOSITIFS ET METHODES D'ESSAI DE SOLUTION DE PARTICULES**
[72] CYR, JASON, US
[72] CHAMBERLAND, KEVIN, US
[72] HERSEY, STEPHAN, US
[72] DEV, ARVIND, US
[72] ROLLINS, JULIE, US
[72] ASANOV, ANDREY, US
[71] IDEXX LABORATORIES, INC., US
[85] 2024-06-10
[86] 2022-12-09 (PCT/US2022/052375)
[87] (WO2023/107684)
[30] US (63/288,397) 2021-12-10
[30] US (63/288,408) 2021-12-10
[30] US (63/288,386) 2021-12-10
[30] US (63/288,378) 2021-12-10

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[51] **Int.Cl. B60T 17/04 (2006.01) B60T 17/22 (2006.01)**
[25] FR
[54] **FRICTION ASSEMBLY FOR A BRAKE SYSTEM FOR RAILWAY ROLLING STOCK**
[54] **ENSEMBLE A FRICTION POUR SYSTEME DE FREINS POUR MATERIEL ROULANT FERROVIAIRE**
[72] ADAMCZAK, LOIC, FR
[72] MAISTRE, ADRIEN, FR
[71] TALLANO TECHNOLOGIES, FR
[85] 2024-06-10
[86] 2023-01-09 (PCT/FR2023/050023)
[87] (WO2023/135384)
[30] FR (2200321) 2022-01-14

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[51] **Int.Cl. B01F 29/81 (2022.01) B01F 31/24 (2022.01) B01L 9/06 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR PARTICLE SOLUTION PREPARATION**
[54] **DISPOSITIFS ET PROCEDES DE PREPARATION DE SOLUTION DE PARTICULES**
[72] DEV, ARVIND, US
[72] ROLLINS, JULIE, US
[72] HOLT, RICHARD, US
[72] SCHRAMEYER, MICHAEL A., US
[72] LEMIEUX, RICHARD, US
[72] GUSTAFSON, NICHOLAS, US
[72] ASANOV, ANDREY, US
[71] IDEXX LABORATORIES, INC., US
[85] 2024-06-10
[86] 2022-12-09 (PCT/US2022/052376)
[87] (WO2023/107685)
[30] US (63/288,386) 2021-12-10
[30] US (63/288,408) 2021-12-10
[30] US (63/288,397) 2021-12-10
[30] US (63/288,378) 2021-12-10

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[51] **Int.Cl. A61K 31/436 (2006.01) C07K 14/47 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR MODULATING THE ACTIVITY OF A DIMERIZING AGENT REGULATED IMMUNOMODULATORY COMPLEX**
[54] **METHODES ET COMPOSITIONS POUR MODULER L'ACTIVITE D'UN COMPLEXE IMMUNOMODULATEUR REGULE PAR UN AGENT DE DIMERISATION**
[72] APPELBAUM, JACOB S., US
[72] GARDNER, REBECCA, US
[72] GUSTAFSON, JOSHUA, US
[72] JENSEN, MICHAEL C., US
[72] ROTTMAN, JAMES BRIAN, US
[72] POGSON, MARK, US
[72] JARJOUR, JORDAN, US
[72] ASTRAKHAN, ALEXANDER, US
[71] SEATTLE CHILDREN'S HOSPITAL (DBA SEATTLE CHILDREN'S RESEARCH INSTITUTE), US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2024-06-10
[86] 2022-12-09 (PCT/US2022/081322)
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[30] US (63/288,468) 2021-12-10

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[13] A1
[51] **Int.Cl. D21H 19/82 (2006.01)**
[25] EN
[54] **COATED PAPER SUITABLE FOR USE IN A SACK**
[54] **PAPIER COUCHE CONCU POUR ETRE UTILISE DANS UN SAC**
[72] LINDSTROM, OVE, SE
[72] LINDBERG, ERIK, SE
[71] BILLERUD AKTIEBOLAG (PUBL), SE
[85] 2024-06-10
[86] 2022-12-14 (PCT/EP2022/085973)
[87] (WO2023/111088)
[30] EP (21214389.5) 2021-12-14

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[13] A1
[51] **Int.Cl. B01F 31/24 (2022.01) B01F 29/81 (2022.01) B01L 9/06 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR PARTICLE MIXING**
[54] **DISPOSITIFS ET PROCEDES DE MELANGE DE PARTICULES**
[72] CYR, JASON, US
[72] CHAMBERLAND, KEVIN, US
[72] COTE, JENNIFER, US
[72] DEV, ARVIND, US
[72] ROLLINS, JULIE, US
[72] ASANOV, ANDREY, US
[71] IDEXX LABORATORIES, INC., US
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[86] 2022-12-09 (PCT/US2022/052377)
[87] (WO2023/107686)
[30] US (63/288,378) 2021-12-10
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[30] US (63/288,397) 2021-12-10
[30] US (63/288,386) 2021-12-10

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[13] A1
[51] **Int.Cl. H04L 25/03 (2006.01)**
[25] EN
[54] **IMPROVED SIGNALING TECHNIQUES IN THE PRESENCE OF PHASE NOISE AND FREQUENCY OFFSET**
[54] **TECHNIQUES DE SIGNALISATION AMELIOREES EN PRESENCE DE BRUIT DE PHASE ET DE DECALAGE DE FREQUENCE**
[72] SESHADRI, ROHIT IYER, US
[71] HUGHES NETWORK SYSTEMS LLC, US
[85] 2024-06-10
[86] 2022-11-29 (PCT/US2022/051129)
[87] (WO2023/113992)
[30] US (17/555,156) 2021-12-17

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[13] A1
[51] **Int.Cl. H04W 28/18 (2009.01) H04W 52/02 (2009.01)**
[25] EN
[54] **DATA TRANSMISSION METHOD AND DEVICE, POWER STATE ADJUSTMENT METHOD AND DEVICE, COMPUTER READABLE STORAGE MEDIUM, AND ELECTRONIC DEVICE**
[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION DE DONNEES, PROCEDE ET DISPOSITIF DE REGLAGE D'ETAT DE PUISSANCE, SUPPORT DE STOCKAGE LISIBLE PAR ORDINATEUR ET DISPOSITIF ELECTRONIQUE**
[72] LI, YAN, CN
[71] ZTE CORPORATION, CN
[85] 2024-06-10
[86] 2022-04-14 (PCT/CN2022/086802)
[87] (WO2023/123738)
[30] CN (202111669820.6) 2021-12-30

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[13] A1
[51] **Int.Cl. B60M 1/24 (2006.01)**
[25] EN
[54] **OVERHEAD LINE CLAMP**
[54] **DISPOSITIF DE SERRAGE DE LIGNE AERIENNE**
[72] BARNES, SAMUEL, GB
[71] GRIPPLE LIMITED, GB
[85] 2024-06-10
[86] 2022-12-06 (PCT/IB2022/061806)
[87] (WO2023/105396)
[30] GB (2117893.4) 2021-12-10
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[51] **Int.Cl. A21D 13/066 (2017.01) A01H 6/46 (2018.01) A23J 3/18 (2006.01)**
[25] EN
[54] **MODIFIED LOW MOLECULAR WEIGHT GLUTENIN SUBUNIT AND USES THEREOF**
[54] **SOUS-UNITE GLUTENINE DE FAIBLE POIDS MOLECULAIRE MODIFIEE ET SES UTILISATIONS**
[72] OFRAN, YANAY, IL
[72] BEN DAVID, MOSHE, IL
[72] MARCU GARBER, ORLY, IL
[72] ZAKIN, SHIRI, IL
[72] BIRAN, ASSAF, IL
[72] CHUPRIN, ANNA, IL
[71] UKKO INC., US
[85] 2024-06-10
[86] 2023-01-10 (PCT/US2023/060344)
[87] (WO2023/133570)
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[13] A1
[51] **Int.Cl. H01M 10/613 (2014.01) H01M 10/625 (2014.01) H01M 10/6554 (2014.01) H01M 10/6556 (2014.01) H01M 50/209 (2021.01) H01M 50/224 (2021.01) H01M 50/249 (2021.01) H01M 50/28 (2021.01) H01M 50/342 (2021.01) H01M 50/358 (2021.01)**
[25] FR
[54] **ELECTRICAL HOUSING FOR AN AIRCRAFT**
[54] **BOITIER ELECTRIQUE POUR AERONEF**
[72] KAPPLER, KEVIN, FR
[72] THOMASSIER, SEBASTIEN, FR
[71] SAFRAN ELECTRICAL & POWER, FR
[85] 2024-06-10
[86] 2022-12-08 (PCT/FR2022/052288)
[87] (WO2023/126591)
[30] FR (FR2114603) 2021-12-29

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[13] A1
[51] **Int.Cl. E04B 9/04 (2006.01) E04B 9/24 (2006.01)**
[25] EN
[54] **CEILING SYSTEMS**
[54] **SYSTEMES DE PLAFOND**
[72] DEPAUL, MARIE A., US
[72] CARVELL, COREY, US
[72] BAXTER, NATHAN J., US
[71] ARMSTRONG WORLD INDUSTRIES, INC., US
[85] 2024-06-10
[86] 2022-12-12 (PCT/US2022/052565)
[87] (WO2023/107741)
[30] US (63/288,067) 2021-12-10

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[13] A1
[51] **Int.Cl. C07D 413/12 (2006.01) A61P 37/02 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF A RIPK1 INHIBITOR**
[54] **FORMES CRISTALLINES D'UN INHIBITEUR DE RIPK1**
[72] DUAN, SHAOMING, US
[72] SHAW, SIMON, US
[72] WANG, XIN, US
[71] RIGEL PHARMACEUTICALS, INC., US
[85] 2024-06-10
[86] 2022-12-07 (PCT/US2022/052072)
[87] (WO2023/114061)
[30] US (63/290,066) 2021-12-16

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[13] A1
[51] **Int.Cl. C12N 15/11 (2006.01)**
[25] EN
[54] **NEW CONJUGATED NUCLEIC ACID MOLECULES AND THEIR USES**
[54] **NOUVELLES MOLECULES D'ACIDE NUCLEIQUE CONJUGUEES ET LEURS UTILISATIONS**
[72] ZANDANEL, CHRISTELLE, FR
[72] LEMAITRE, MARC, US
[72] ROUX, LOIC, GB
[71] VALERIO THERAPEUTICS, FR
[85] 2024-06-10
[86] 2022-12-15 (PCT/EP2022/086199)
[87] (WO2023/111203)
[30] EP (21306798.6) 2021-12-16

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[13] A1
[51] **Int.Cl. E06B 9/68 (2006.01) H02J 7/34 (2006.01)**
[25] EN
[54] **ENERGY-SUPPLY SYSTEM FOR SUPPLYING ENERGY TO AN ELECTRICAL LOAD FROM A BATTERY**
[54] **SYSTEME D'ALIMENTATION EN ENERGIE PERMETTANT D'ALIMENTER EN ENERGIE UNE CHARGE ELECTRIQUE A PARTIR D'UNE BATTERIE**
[72] DEJONGE, STUART W., US
[72] FAY, DANIEL, US
[72] YE, YONGLAN, US
[71] LUTRON TECHNOLOGY COMPANY LLC, US
[85] 2024-06-10
[86] 2022-12-17 (PCT/US2022/053271)
[87] (WO2023/114527)
[30] US (63/265,671) 2021-12-17
[30] US (63/266,824) 2022-01-14

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[13] A1
[51] **Int.Cl. A61K 31/404 (2006.01) A61K 31/4045 (2006.01) A61P 25/28 (2006.01) C07D 221/18 (2006.01) C07D 471/06 (2006.01)**
[25] EN
[54] **METHODS OF TREATING ADDICTION AND NEUROLOGICAL DISORDERS**
[54] **METHODES DE TRAITEMENT D'UNE ADDICTION ET DE TROUBLES NEUROLOGIQUES**
[72] JENKINS, IAN, US
[72] TINDER, ROBERT, US
[72] NARAYAN, VAISHNAVI, US
[72] TIPPETTS, NOAH, US
[72] MIRZAEI, SAMAN, US
[72] LILLEY, PATRICK C., US
[72] LILLEY, GWENDELYN C., US
[72] UFFENS, JAYSON, US
[71] GATC HEALTH CORP, US
[85] 2024-06-10
[86] 2022-12-10 (PCT/US2022/081330)
[87] (WO2023/108165)
[30] US (63/288,365) 2021-12-10

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[13] A1
[51] **Int.Cl. A47J 31/40 (2006.01) B65D 85/804 (2006.01)**
[25] EN
[54] **PACKS FOR BEVERAGE PREPARATION SYSTEM**
[54] **EMBALLAGES POUR SYSTEME DE PREPARATION DE BOISSON**
[72] BONIN, MARILYNE ISABELLE, FR
[72] FIORE, GINA, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2024-06-10
[86] 2023-01-27 (PCT/EP2023/051999)
[87] (WO2023/144302)
[30] EP (22153945.5) 2022-01-28

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[13] A1
[51] **Int.Cl. B01J 20/24 (2006.01)**
[25] FR
[54] **METHOD FOR TREATING A PFAS-CONTAMINATED LIQUID MEDIUM**
[54] **PROCEDE DE TRAITEMENT D'UN MILIEU LIQUIDE CONTAMINE PAR DES PFAS**
[72] CARRONNIER, HUGO, FR
[72] BRANQUET, ERIC, FR
[71] SPUMA, FR
[85] 2024-06-10
[86] 2023-11-27 (PCT/EP2023/083221)
[87] (WO2024/115416)
[30] FR (2212449) 2022-11-28

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-OX40 ANTIBODIES AND METHODS OF USE**
[54] **ANTICORPS ANTI-OX40 ET PROCEDES D'UTILISATION**
[72] XU, WENFENG, CN
[72] DONG, CHEN, CN
[72] LIN, PEI-HUA, CN
[72] JIANG, WEI-DONG, CN
[71] SHANGHAI HENLIUS BIOTECH, INC., CN
[71] SHANGHAI HENLIUS BIOPHARMACEUTICAL CO., LTD., CN
[71] SHANGHAI HENLIUS BIOLOGICS CO., LTD., CN
[85] 2024-06-10
[86] 2022-12-15 (PCT/CN2022/139295)
[87] (WO2023/109901)
[30] CN (PCT/CN2021/139277) 2021-12-17

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[13] A1
[51] **Int.Cl. B32B 27/08 (2006.01) B32B 27/32 (2006.01)**
[25] EN
[54] **MULTILAYER FILMS**
[54] **FILMS MULTICOUCHES**
[72] LIU, BO, US
[72] CHEN, FENG, CN
[72] CONG, RONGJUAN, US
[72] MARIOTT, WESLEY R., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2024-06-10
[86] 2021-12-16 (PCT/CN2021/138743)
[87] (WO2023/108535)

[21] **3,240,570**
[13] A1
[51] **Int.Cl. G02F 1/295 (2006.01)**
[25] FR
[54] **PHASED-GRATING-ANTENNA-ARRAY OPTOELECTRONIC EMITTER IN WHICH EACH OPTICAL ANTENNA HAS A LARGE EMISSION AREA**
[54] **EMETTEUR OPTOELECTRONIQUE A ANTENNE RESEAU A COMMANDE DE PHASE OU CHAQUE ANTENNE OPTIQUE PRESENTE UNE LARGE SURFACE D'EMISSION**
[72] GUERBER, SYLVAIN, FR
[72] FOWLER, DAIVID, FR
[72] VIROT, LEOPOLD, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[85] 2024-06-10
[86] 2022-12-09 (PCT/EP2022/085254)
[87] (WO2023/110684)
[30] FR (FR2113381) 2021-12-13

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[13] A1
[51] **Int.Cl. A61K 38/39 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **TYPE I COLLAGEN PEPTIDE FOR THERAPEUTIC USE**
[54] **PEPTIDE DE COLLAGENE DE TYPE I A USAGE THERAPEUTIQUE**
[72] HAUSMANNS, STEPHAN, DE
[72] FRECH, HANS-ULRICH, DE
[72] OESSER, STEFFEN, DE
[72] HAHN, MARTIN, DE
[71] GELITA AG, DE
[85] 2024-06-10
[86] 2022-12-21 (PCT/EP2022/087199)
[87] (WO2023/118274)
[30] DE (10 2021 214 899.9) 2021-12-22

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[13] A1
[51] **Int.Cl. C08G 63/64 (2006.01)**
[25] EN
[54] **NOVEL NONIONIC SURFACTANTS AND PROCESSES TO MAKE THEM**
[54] **NOUVEAUX TENSIOACTIFS NON IONIQUES ET LEURS PROCEDES DE FABRICATION**
[72] QIAO, YUSEN, US
[72] NIKBIN, NIMA, US
[72] YU, WANGLIN, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2024-06-10
[86] 2022-12-15 (PCT/US2022/052917)
[87] (WO2023/114343)
[30] US (63/290,379) 2021-12-16

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[13] A1
[51] **Int.Cl. G06T 19/00 (2011.01) G06Q 30/0601 (2023.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING CUSTOMIZED AUGMENTED REALITY VIDEO**
[54] **SYSTEMES ET PROCEDES DE GENERATION DE VIDEO DE REALITE AUGMENTEE PERSONNALISEE**
[72] DEBRECZENI, ADAM, CA
[72] LETKEMAN, BRENNAN, CA
[72] MASCHMEYER, RUSS, CA
[71] SHOPIFY INC., CA
[85] 2024-06-10
[86] 2022-12-21 (PCT/CA2022/051884)
[87] (WO2023/133623)
[30] US (17/576,684) 2022-01-14

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[13] A1
[51] **Int.Cl. C07F 7/00 (2006.01) C08F 4/659 (2006.01) C08F 110/02 (2006.01) C08F 210/16 (2006.01)**
[25] EN
[54] **METAL-LIGAND COMPLEX, CATALYST COMPOSITION FOR PRODUCING ETHYLENE-BASED POLYMER CONTAINING THE SAME, AND METHOD OF PRODUCING ETHYLENE-BASED POLYMER USING THE SAME**
[54] **COMPLEXE METAL-LIGAND, COMPOSITION DE CATALYSEUR POUR PRODUIRE UN POLYMERE A BASE D'ETHYLENE LE CONTENANT, ET PROCEDE DE PRODUCTION D'UN POLYMERE A BASE D'ETHYLENE L'UTILISANT**
[72] SHIN, DONGCHEOL, KR
[72] KIM, MIJI, KR
[72] KIM, MINJI, KR
[72] OH, YEONOCK, KR
[71] SABIC SK NEXLENE COMPANY PTE. LTD., SG
[85] 2024-06-10
[86] 2022-12-28 (PCT/IB2022/062827)
[87] (WO2023/126844)
[30] KR (10-2021-0190680) 2021-12-29
[30] KR (10-2022-0180789) 2022-12-21

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[51] **Int.Cl. A61K 45/06 (2006.01) A61P 9/12 (2006.01)**
[25] EN
[54] **METHODS OF TREATING HYPERTENSION BY PERIODIC SUPPRESSION OF ALDOSTERONE SYNTHASE**
[54] **PROCEDES DE TRAITEMENT DE L'HYPERTENSION PAR SUPPRESSION PERIODIQUE DE L'ALDOSTERONE SYNTHASE**
[72] RODMAN, DAVID, US
[72] SLINGSBY, BRIAN TAYLOR, US
[72] CONGLETON, JON, US
[72] SHIMIZU, HIDETOSHI, JP
[72] OTA, YOSHIYASU, JP
[72] ORIHASHI, MADORI, JP
[71] MINERALYS THERAPEUTICS, INC., US
[71] MITSUBISHI TANABE PHARMA CORPORATION, JP
[85] 2024-06-10
[86] 2023-01-19 (PCT/IB2023/050444)
[87] (WO2023/139506)
[30] US (63/300,967) 2022-01-19
[30] US (63/400,301) 2022-08-23

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[51] **Int.Cl. C07D 209/16 (2006.01) A61K 31/343 (2006.01) A61K 31/4045 (2006.01) A61K 31/437 (2006.01) A61K 31/4439 (2006.01) A61K 31/496 (2006.01) A61K 31/4985 (2006.01) A61K 31/5377 (2006.01) A61K 31/55 (2006.01) C07D 209/90 (2006.01) C07D 307/81 (2006.01) C07D 401/12 (2006.01) C07D 403/06 (2006.01) C07D 413/06 (2006.01) C07D 457/04 (2006.01) C07D 457/06 (2006.01) C07D 471/04 (2006.01) C07D 471/14 (2006.01) C07D 487/04 (2006.01) A61P 25/08 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **METHODS OF TREATING PTSD AND NEUROLOGICAL DISORDERS**
[54] **METHODES DE TRAITEMENT DU TSPT ET DE TROUBLES NEUROLOGIQUES**
[72] JENKINS, IAN, US
[72] TINDER, ROBERT, US
[72] NARAYAN, VAISHNAVI, US
[72] TIPPETTS, NOAH, US
[72] MIRZAEI, SAMAN, US
[72] LILLEY, PATRICK C., US
[72] LILLEY, GWENDELYN C., US
[72] UFFENS, JAYSON, US
[71] GATC HEALTH CORP, US
[85] 2024-06-10
[86] 2022-12-10 (PCT/US2022/081329)
[87] (WO2023/108164)
[30] US (63/288,365) 2021-12-10

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[13] A1
[51] **Int.Cl. B01D 53/04 (2006.01) B01D 53/62 (2006.01)**
[25] EN
[54] **CO2 ADSORPTION SYSTEM AND METHOD FOR CO2 ADSORPTION USING HUMIDITY STABLE POLYSTYRENE-DIVINYLBENZENE AMINE FUNCTIONALIZED POLYMERIC ADSORBENTS**
[54] **SYSTEME D'ADSORPTION DE CO2 ET PROCEDE D'ADSORPTION DE CO2 UTILISANT DES ADSORBANTS POLYMERES A FONCTIONNALITE POLYSTYRENE-DIVINYLBENZENE STABLES A L'HUMIDITE**
[72] VARGAS, ANGELO, CH
[72] ALBANI, DAVIDE, CH
[72] MULLER, LIVIA, CH
[72] GARCIA, RUTH, CH
[72] DUBE, OLIVIER, CH
[71] CLIMEWORKS AG, CH
[85] 2024-06-10
[86] 2022-12-06 (PCT/EP2022/084528)
[87] (WO2023/110520)
[30] EP (21215249.0) 2021-12-16

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[51] **Int.Cl. A01H 1/04 (2006.01) C12Q 1/6895 (2018.01)**
[25] EN
[54] **IMPROVED SCREENING METHOD FOR GENOME EDITED EVENTS**
[54] **PROCEDE DE CRIBLAGE AMELIORE POUR DES EVENEMENTS EDITES SUR LE GENOME**
[72] GOLDS, TIMOTHY JAMES, BE
[72] DE VLEESSCHAUWER, DAVID, BE
[72] BOSSIER, EVELINE, BE
[72] D'HALLUIN, KATELIJN, BE
[72] MEULEWAETER, FRANK, BE
[71] BASF AGRICULTURAL SOLUTIONS SEED US LLC, US
[85] 2024-06-10
[86] 2022-12-20 (PCT/EP2022/086982)
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[30] EP (21216795.1) 2021-12-22

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[13] A1
[51] **Int.Cl. B60P 7/04 (2006.01)**
[25] EN
[54] **POLYMERIC WRAPPING MATERIAL**
[54] **MATERIAU D'EMBALLAGE POLYMERE**
[72] VIDO, MARTIN, CA
[72] ARGERSINGER, HALEY, US
[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
[85] 2024-06-10
[86] 2022-12-13 (PCT/US2022/081407)
[87] (WO2023/114741)
[30] US (63/290,069) 2021-12-16

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-OX40 ANTIBODIES, MULTISPECIFIC ANTIBODIES AND METHODS OF USE**
[54] **ANTICORPS ANTI-OX40, ANTICORPS MULTISPECIFIQUES ET PROCEDES D'UTILISATION**
[72] XU, WENFENG, CN
[72] DONG, CHEN, CN
[72] LIN, PEI-HUA, CN
[72] JIANG, WEI-DONG, CN
[72] CHANG, JEN-KUAN, CN
[71] SHANGHAI HENLIUS BIOTECH, INC., CN
[71] SHANGHAI HENLIUS BIOPHARMACEUTICAL CO., LTD., CN
[71] SHANGHAI HENLIUS BIOLOGICS CO., LTD., CN
[85] 2024-06-10
[86] 2022-12-15 (PCT/CN2022/139288)
[87] (WO2023/109900)
[30] CN (PCT/CN2021/139273) 2021-12-17

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[13] A1
[51] **Int.Cl. B61B 1/02 (2006.01) E01F 1/00 (2006.01)**
[25] EN
[54] **SAWTOOTH STATION, BIDIRECTIONAL SAWTOOTH PLATFORM, CAR TETHER, AND ELEVATED AUTONOMOUS PEOPLE MOVER SYSTEM**
[54] **STATION SINUSOIDALE, PLATEFORME SINUSOIDALE BIDIRECTIONNELLE, SYSTEME D'AMARRAGE DE VOITURES ET SYSTEME DE DEPLACEMENT AUTOME AERIEN DE PERSONNES**
[72] BALTZER, KARSTEN, US
[71] BALTZER, KARSTEN, US
[85] 2024-06-10
[86] 2023-03-15 (PCT/US2023/015319)
[87] (WO2023/192028)
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[30] US (18/120,574) 2023-03-13

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[13] A1
[51] **Int.Cl. A41D 13/11 (2006.01) A62B 18/02 (2006.01)**
[25] EN
[54] **DUAL-LAYERED FACE MASK**
[54] **MASQUE FACIAL A DOUBLE COUCHE**
[72] HUEBL, STEVEN J., US
[72] CHIA, FRANCIS SEE CHONG, CN
[71] EASEBON SERVICES LIMITED, CN
[71] CHIA, FRANCIS SEE CHONG, CN
[85] 2024-06-10
[86] 2022-12-09 (PCT/SG2022/050895)
[87] (WO2023/107010)
[30] US (63/288,490) 2021-12-10

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[51] **Int.Cl. G01M 13/023 (2019.01) B60W 40/13 (2012.01) G01M 13/021 (2019.01) G01M 13/022 (2019.01) G01M 17/03 (2006.01)**
[25] EN
[54] **DETECTING SPROCKET SEGMENT WEAR BASED ON MACHINE DRIVETRAIN DATA**
[54] **DETECTION D'USURE DE SEGMENT DE BARBOTIN SUR LA BASE DE DONNEES DE CHAINE CINEMATIQUE DE MACHINE**
[72] JOHANNSEN, ERIC J., US
[71] CATERPILLAR INC., US
[85] 2024-06-10
[86] 2022-12-05 (PCT/US2022/080902)
[87] (WO2023/114653)
[30] US (17/644,581) 2021-12-16

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[13] A1
[51] **Int.Cl. B29B 17/00 (2006.01) C08J 7/04 (2020.01)**
[25] FR
[54] **PART MADE FROM RECYCLED COMPOSITE MATERIAL AND PRODUCTION METHOD THEREOF**
[54] **PIECE EN MATERIAU COMPOSITE RECYCLE ET PROCEDE DE FABRICATION**
[72] SAADA, BENJAMIN, FR
[72] CONTANT, ADRIEN, FR
[72] DUBOIS, UGO, FR
[71] FAIRMAT, FR
[85] 2024-06-10
[86] 2022-12-21 (PCT/EP2022/087372)
[87] (WO2023/118383)
[30] FR (FR2114292) 2021-12-22

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[13] A1
[51] **Int.Cl. G06T 7/246 (2017.01) G06T 7/73 (2017.01)**
[25] FR
[54] **METHOD AND DEVICE FOR REAL-TIME TRACKING OF THE POSE OF A CAMERA BY AUTOMATIC MANAGEMENT OF A KEY-IMAGE DATABASE**
[54] **PROCEDE ET DISPOSITIF DE SUIVI EN TEMPS REEL DE LA POSE D'UNE CAMERA PAR GESTION AUTOMATIQUE D'UNE BASE D'IMAGES-CLES**
[72] BARTOLI, ADRIEN, FR
[72] CHANDELON, KILIAN, FR
[71] SURGAR, FR
[71] UNIVERSITE CLERMONT-AUVERGNE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] CLERMONT AUVERGNE INP, FR
[85] 2024-06-10
[86] 2022-12-14 (PCT/EP2022/085905)
[87] (WO2023/111045)
[30] FR (FR2113591) 2021-12-15

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[13] A1
[51] **Int.Cl. H02P 23/04 (2006.01)**
[25] EN
[54] **PROCESSING DEVICE, ELECTRIC-POWERED VEHICLE, PROCESSING METHOD, AND PROGRAM**
[54] **DISPOSITIF DE TRAITEMENT, VEHICULE ELECTRIQUE, PROCEDE DE TRAITEMENT ET PROGRAMME**
[72] KAMIKAWABATA, MASAHITO, JP
[72] HONMA, REI, JP
[71] NIPPON STEEL CORPORATION, JP
[85] 2024-06-10
[86] 2023-03-09 (PCT/JP2023/009038)
[87] (WO2023/189349)
[30] JP (2022-053569) 2022-03-29

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01)**
[25] EN
[54] **THERAPEUTIC TREATMENT FOR FRAGILE X-ASSOCIATED DISORDER**
[54] **TRAITEMENT THERAPEUTIQUE D'UN TROUBLE ASSOCIE A L'X FRAGILE**
[72] RICHTER, JOEL D., US
[72] SHAH, SNEHA, US
[72] WATTS, JONATHAN, US
[71] UNIVERSITY OF MASSACHUSETTS, US
[85] 2024-06-10
[86] 2022-12-23 (PCT/US2022/082380)
[87] (WO2023/122800)
[30] US (63/265,989) 2021-12-23

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[13] A1
[51] **Int.Cl. A46B 15/00 (2006.01) A46B 9/04 (2006.01) A61C 17/22 (2006.01)**
[25] EN
[54] **ORAL CARE SYSTEM, IMPLEMENT, AND/OR KIT**
[54] **SYSTEME, OUTIL ET/OU KIT D'HYGIENE BUCCALE**
[72] BLOCH, BRIAN, US
[72] OKAI, TAKAHIDE, US
[72] BALDWIN, GEOFFREY, US
[72] DENIS, DANIELLE, US
[72] CURTIS, KIMBERLY, US
[71] COLGATE-PALMOLIVE COMPANY, US
[85] 2024-06-10
[86] 2022-11-29 (PCT/US2022/051230)
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[51] **Int.Cl. G05B 19/4099 (2006.01) C09D 11/102 (2014.01) B29C 64/336 (2017.01) B29C 64/393 (2017.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DYNAMICALLY CONTROLLING THERMOSET THREE-DIMENSIONAL PRINTER WITH MULTIPLE EXTRUDERS**
[54] **SYSTEME ET PROCEDE DE COMMANDE DYNAMIQUE D'IMPRIMANTE TRIDIMENSIONNELLE A THERMODURCISSEMENT COMPORTANT DE MULTIPLES EXTRUDEUSES**
[72] EPSTEIN, ERIC S., US
[72] FOGL, ANTHONY JARED, US
[72] BUBAS, MICHAEL ANTHONY, US
[72] DOBOSZ, KERIANNE MERCELINE, US
[72] TONG, MINH A., US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2024-06-10
[86] 2022-10-18 (PCT/US2022/078247)
[87] (WO2023/122370)
[30] US (63/292,753) 2021-12-22

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[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **THERAPY FOR MODULATING IMMUNE RESPONSE WITH RECOMBINANT MVA ENCODING IL-12**
[54] **THERAPIE POUR MODULER UNE REPONSE IMMUNITAIRE AU MOYEN D'UN MVA RECOMBINANT CODANT POUR IL-12**
[72] ATAY LANGBEIN, CIGDEM, DE
[72] RIEDL, ANDRE, DE
[72] KALLA, MARKUS, DE
[72] HINTERBERGER, MARIA, DE
[72] MEDINA ECHEVERZ, JOSE, DE
[72] BERRAONDO LOPEZ, PEDRO, ES
[71] BAVARIAN NORCIG A/S, DK
[85] 2024-06-10
[86] 2022-12-23 (PCT/EP2022/087718)
[87] (WO2023/118563)
[30] US (63/293,170) 2021-12-23

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[13] A1
[51] **Int.Cl. G21C 15/243 (2006.01)**
[25] EN
[54] **FLOW CALMING ASSEMBLY FOR NUCLEAR REACTOR, AND ASSOCIATED REACTOR AND METHOD**
[54] **ENSEMBLE DE STABILISATION DE FLUX POUR REACTEUR NUCLEAIRE, REACTEUR ET PROCEDE ASSOCIES**
[72] CAHOUET, LAURENT, FR
[72] GAILLARD, AURELIEN, FR
[72] MARTINEZ, PHILIPPE, FR
[72] POLLIER, DENIS, FR
[72] VAYSSETTE, BASTIEN, FR
[71] FRAMATOME, FR
[85] 2024-06-10
[86] 2021-12-22 (PCT/IB2021/000948)
[87] (WO2023/118920)

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01)**
[25] EN
[54] **IMMUNOTHERAPY FOR CANCER**
[54] **IMMUNOTHERAPIE POUR LE CANCER**
[72] ADDYMAN, ALEXANDRA, GB
[72] ANDERSON, GEORGINA, GB
[72] AUSTIN, MARK, GB
[72] BARNARD, MICHELLE, GB
[72] CHAN, DENICE TSZ YAU, GB
[72] CHAPMAN, MICHAEL, GB
[72] DIAMANDAKIS, AGATA, GB
[72] GROVES, MARIA, GB
[72] HAWTHORNE, WILLIAM, GB
[72] HAYNES, STUART, GB
[72] JENKINSON, LESLEY, GB
[72] LAPOINTE, JEAN-MARTIN, GB
[72] MARTIN, KIRSTY-JANE, GB
[72] SLATER, LOUISE, GB
[72] VAUGHAN, TRISTAN, GB
[71] CANCER RESEARCH TECHNOLOGY LIMITED, GB
[71] MEDIMMMUNE LIMITED, GB
[85] 2024-06-10
[86] 2022-12-12 (PCT/GB2022/053174)
[87] (WO2023/105248)
[30] GB (2117928.8) 2021-12-11

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[13] A1
[51] **Int.Cl. B60K 6/387 (2007.10) B60W 10/16 (2012.01) B62K 21/12 (2006.01)**
[25] EN
[54] **INTUITIVE ELECTRIC STEERING**
[54] **DIRECTION ELECTRIQUE INTUITIVE**
[72] SIEBERT, CRAIG, US
[71] ARIENS COMPANY, US
[85] 2024-06-10
[86] 2022-12-09 (PCT/US2022/081287)
[87] (WO2023/108133)
[30] US (63/288,407) 2021-12-10

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[13] A1
[51] **Int.Cl. A61M 35/00 (2006.01) A61F 5/40 (2006.01) A61K 9/00 (2006.01) A61K 9/70 (2006.01) A61K 31/045 (2006.01) A61K 33/06 (2006.01) A61P 29/00 (2006.01) C07C 35/12 (2006.01)**
[25] EN
[54] **MENTHOL- AND MAGNESIUM-INFUSED KINESIOLOGY TAPE**
[54] **BANDE DE KINESIOLOGIE IMPREGNEE DE MENTHOL ET DE MAGNESIUM**
[72] SLOAN, HEATHER, CA
[72] LI, ENWEI, CA
[71] SLOAN, HEATHER, CA
[71] LI, ENWEI, CA
[85] 2024-06-10
[86] 2023-10-06 (PCT/IB2023/060068)
[87] (WO2024/075082)
[30] US (17/938,364) 2022-10-06

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[13] A1
[51] **Int.Cl. D07B 1/18 (2006.01) F16G 11/04 (2006.01) F16G 11/14 (2006.01) F16G 15/06 (2006.01)**
[25] EN
[54] **A SHACKLE**
[54] **MANILLE**
[72] NICHOLSON, NICHOLAS JERZY THOMAS, NZ
[71] RIGGING CONCEPTS LIMITED, NZ
[85] 2024-06-10
[86] 2022-12-14 (PCT/IB2022/062170)
[87] (WO2023/111867)
[30] AU (2021904056) 2021-12-14
[30] AU (2022900846) 2022-03-31
[30] AU (2022901732) 2022-06-23

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[13] A1
[51] **Int.Cl. B05B 11/00 (2023.01)**
[25] EN
[54] **LIQUID DOSING DISPENSER AND LIQUID CONTAINER COMPRISING SAID LIQUID DOSING DISPENSER**
[54] **DISTRIBUTEUR DOSEUR DE LIQUIDE ET RECIPIENT DE LIQUIDE COMPRENANT LEDIT DISTRIBUTEUR DOSEUR DE LIQUIDE**
[72] GEBBINK, JEROEN GERRIT ANTON, NL
[72] KNUTSEN, RUNE KRISTIAN, NO
[71] SMARTSEAL AS, NL
[85] 2024-06-10
[86] 2022-12-08 (PCT/EP2022/085053)
[87] (WO2023/104994)
[30] NL (2030093) 2021-12-09
[30] NL (2031330) 2022-03-18

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[13] A1
[51] **Int.Cl. A61B 1/00 (2006.01) A61B 1/12 (2006.01)**
[25] EN
[54] **POSITIONING AID AND METHOD TO FEED TOOLS INTO CHANNELS OF A FLEXIBLE ENDOSCOPE THROUGH CONTROL HANDLE'S AIR/WATER AND SUCTION VALVE CYLINDER PORTS**
[54] **AIDE AU POSITIONNEMENT ET PROCEDE D'INTRODUCTION D'OUTILS DANS DES CANAUX D'ENDOSCOPE FLEXIBLE PAR ORIFICES DE CYLINDRE DE VALVE AIR/EAU ET DE VALVE D'ASPIRATION DE POIGNEE DE COMMAND**
[72] ROBINSON, NANCY A., US
[72] NERANDZIC, MICHELLE M., US
[72] LESZCZ, ELIZABETH, US
[71] AMERICAN STERLIZER COMPANY, US
[85] 2024-06-10
[86] 2022-11-17 (PCT/US2022/050199)
[87] (WO2023/113966)
[30] US (63/290,695) 2021-12-17

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[13] A1
[51] **Int.Cl. A61K 47/54 (2017.01) A61P 9/10 (2006.01)**
[25] EN
[54] **LPA-TARGETING SIRNA AND CONJUGATE**
[54] **ARNSI CIBLANT LE LPA ET CONJUGUE**
[72] LI, YUNFEI, CN
[72] DENG, YONGYAN, CN
[72] HOU, ZHE, CN
[72] ZHANG, JIANYU, CN
[72] WANG, YANHUI, CN
[72] MAO, SONG, CN
[72] HUANG, JINYU, CN
[72] LIU, NAN, CN
[72] CAI, GUOQING, CN
[72] LV, ZHENZHEN, CN
[72] HUANG, YANFEN, CN
[72] ZHOU, YAQIN, CN
[72] LUO, MIN, CN
[72] ZHANG, FANG, CN
[71] TUOJIE BIOTECH (SHANGHAI) CO., LTD., CN
[85] 2024-06-10
[86] 2022-12-16 (PCT/CN2022/139500)
[87] (WO2023/109940)
[30] CN (202111545699.6) 2021-12-16

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[13] A1
[51] **Int.Cl. H01M 8/0273 (2016.01) H01M 8/1004 (2016.01) H01M 8/2483 (2016.01) H01M 8/10 (2016.01)**
[25] EN
[54] **MEMBRANE-ELECTRODE ASSEMBLY WITH SEALED FRAME**
[54] **UNITE**
[72] QUICK, CHRISTIAN, DE
[72] WAHLE, PASCAL, DE
[72] HENGGE, KATHARINA, DE
[72] JURZINSKY, TILMAN, DE
[72] MACK, FLORIAN, DE
[72] RANGARAJAN, ASHWIN, DE
[71] CARL FREUDENBERG KG, DE
[85] 2024-06-10
[86] 2022-12-08 (PCT/EP2022/084995)
[87] (WO2023/104970)
[30] DE (10 2021 132 696.6) 2021-12-10

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[13] A1
[51] **Int.Cl. A61L 27/06 (2006.01) A61L 27/20 (2006.01) A61L 27/34 (2006.01)**
[25] EN
[54] **IMPLANTS WITH BIOACTIVE COATING COMPRISING PARTIALLY DEACETYLATED CHITOSAN**
[54] **IMPLANTS AVEC REVETEMENT BIOACTIF COMPRENANT DU CHITOSANE PARTIELLEMENT DESACETYLE**
[72] NG, CHUEN HOW, IS
[72] ORLYGSSON, GISSUR, IS
[71] GENIS HF., IS
[85] 2024-06-10
[86] 2022-12-20 (PCT/IS2022/050009)
[87] (WO2023/119335)
[30] IS (IS 050351) 2021-12-20

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[13] A1
[51] **Int.Cl. A61K 38/08 (2019.01) A61P 27/02 (2006.01) C07K 7/06 (2006.01)**
[25] EN
[54] **COMPOSITION FOR TREATING MACULAR DEGENERATION COMPRISING NOVEL PEPTIDE**
[54] **COMPOSITION POUR LE TRAITEMENT DE LA DEGENERESCENCE MACULAIRE COMPRENANT UN NOUVEAU PEPTIDE**
[72] YANG, JAEWOOK, KR
[72] CHO, YUNSEOK, KR
[72] AHN, BYUL NIM, KR
[71] EYEBIOKOREA, INC., KR
[85] 2024-06-10
[86] 2022-11-29 (PCT/KR2022/019093)
[87] (WO2023/113300)
[30] KR (10-2021-0178126) 2021-12-13
[30] KR (10-2022-0119589) 2022-09-21

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[13] A1
[51] **Int.Cl. E04F 15/08 (2006.01)**
[25] EN
[54] **HARD SURFACE CONNECTION SYSTEM, METHOD AND PRODUCT**
[54] **SYSTEME, PROCEDE ET PRODUIT D'ASSEMBLAGE DE SURFACE DURE**
[72] PACIONE, JOSEPH ROCCO, CA
[72] RITTMANNSBERGER, FRANZ, AT
[71] TAC-FAST SYSTEMS SA, CH
[85] 2024-06-10
[86] 2022-12-16 (PCT/EP2022/086424)
[87] (WO2023/111300)
[30] US (63/291,025) 2021-12-17

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[13] A1
[51] **Int.Cl. B63C 9/18 (2006.01) B63C 9/13 (2006.01) B63C 9/15 (2006.01) C01B 3/06 (2006.01) C01B 6/11 (2006.01)**
[25] EN
[54] **WEARABLE INFLATABLE FLOTATION DEVICE**
[54] **DISPOSITIF DE FLOTTAISON GONFLABLE POUVANT ETRE PORTE**
[72] SHANI, NOAM, IL
[72] DAGAN, OMRI, IL
[72] EREL, ELDAD, CI
[71] NEOMARE LTD., IL
[85] 2024-06-10
[86] 2022-12-28 (PCT/IL2022/051402)
[87] (WO2023/131942)
[30] US (63/296,512) 2022-01-05

[21] **3,240,610**
[13] A1
[51] **Int.Cl. A61K 31/496 (2006.01) A61P 17/14 (2006.01) C12Q 1/02 (2006.01)**
[25] EN
[54] **USE OF FLIBANSERIN IN PREPARATION OF DRUG FOR TREATING ANDROGENIC ALOPECIA**
[54] **UTILISATION DE FLIBANSERINE DANS LA PREPARATION D'UN MEDICAMENT POUR LE TRAITEMENT DE L'ALOPECIE ANDROGENIQUE**
[72] JIN, LIANG, CN
[72] SUN, YINGJIE, CN
[71] SHANGHAI DIMAIHE BIOTECHNOLOGY CO., LTD., CN
[85] 2024-06-10
[86] 2024-01-23 (PCT/CN2024/073632)
[87] (WO2024/104511)

[21] **3,240,611**
[13] A1
[51] **Int.Cl. A61K 47/54 (2017.01) A61K 47/68 (2017.01) C07K 16/28 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING THERAPEUTIC NUCLEIC ACID AND TARGETED SAPONIN FOR THE TREATMENT OF MUSCLE-WASTING DISORDERS**
[54] **COMPOSITIONS COMPRENANT UN ACIDE NUCLEIQUE THERAPEUTIQUE ET UNE SAPONINE CIBLEE POUR LE TRAITEMENT DE TROUBLES DE L'ATROPHIE MUSCULAIRE**
[72] BUJNY, MIRIAM VERENA, NL
[72] POSTEL, RUBEN, NL
[72] HERMANS, GUY, NL
[71] SAPREME TECHNOLOGIES B.V., NL
[85] 2024-06-10
[86] 2022-12-20 (PCT/NL2022/050734)
[87] (WO2023/121444)
[30] NL (2030216) 2021-12-22

[21] **3,240,612**
[13] A1
[51] **Int.Cl. A61K 47/68 (2017.01) A61K 47/54 (2017.01) C07K 16/28 (2006.01)**
[25] EN
[54] **TARGETED SAPONIN-NUCLEIC ACID CONJUGATES FOR TREATMENT OF MUSCLE WASTING DISORDERS**
[54] **CONJUGUES CIBLES DE SAPONINE-ACIDE NUCLEIQUE POUR LE TRAITEMENT DES TROUBLES DE L'ATROPHIE MUSCULAIRE**
[72] BUJNY, MIRIAM VERENA, NL
[72] POSTEL, RUBEN, NL
[72] HERMANS, GUY, NL
[71] SAPREME TECHNOLOGIES B.V., NL
[85] 2024-06-10
[86] 2022-12-20 (PCT/NL2022/050736)
[87] (WO2023/121446)
[30] NL (2030215) 2021-12-22

[21] **3,240,613**
[13] A1
[51] **Int.Cl. A61B 1/01 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUSES FOR REDUCING CURVATURE OF A COLON**
[54] **PROCEDES ET APPAREILS POUR REDUIRE LA COURBURE D'UN COLON**
[72] LOPEZ, FRANCISCO G., US
[72] TANNER, NEAL, US
[72] SCHEEFF, MARK C., US
[72] TILSON, ALEXANDER Q., US
[71] NEPTUNE MEDICAL INC., US
[85] 2024-06-10
[86] 2022-12-22 (PCT/US2022/082300)
[87] (WO2023/122767)
[30] US (63/265,934) 2021-12-22

[21] **3,240,614**
[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01) A61P 9/12 (2006.01)**
[25] EN
[54] **ORAL FORMULATIONS OF LEVOSIMENDAN FOR TREATING PULMONARY HYPERTENSION WITH HEART FAILURE WITH PRESERVED EJECTION FRACTION**
[54] **FORMULATIONS ORALES DE LEVOSIMENDAN POUR LE TRAITEMENT DE L'HYPERTENSION PULMONAIRE AVEC INSUFFISANCE CARDIAQUE A FRACTION D'EJECTION PRESERVEE**
[72] RICH, STUART, US
[72] RANDALL, DOUGLAS, US
[72] HAY, DOUGLAS, US
[71] TENAX THERAPEUTICS, INC., US
[85] 2024-06-10
[86] 2022-12-29 (PCT/US2022/082561)
[87] (WO2023/130028)
[30] US (63/295,760) 2021-12-31
[30] US (63/304,201) 2022-01-28

[21] **3,240,615**
[13] A1
[51] **Int.Cl. A01G 25/09 (2006.01)**
[25] EN
[54] **IMPROVED OVERCURRENT PROTECTION FOR IRRIGATION SYSTEM MOTORS**
[54] **PROTECTION AMELIOREE CONTRE LES SURINTENSITES POUR MOTEURS DE SYSTEME D'IRRIGATION**
[72] CITURS, ARNEL BERTON, US
[72] MILLER, MARK WILLIAM, US
[71] LINDSAY CORPORATION, US
[85] 2024-06-10
[86] 2022-12-21 (PCT/US2022/082126)
[87] (WO2023/129850)
[30] US (17/562,106) 2021-12-27

[21] **3,240,616**
[13] A1
[25] EN
[54] **TROPONIN C (TNNC1) GENE THERAPY USING AAV VECTOR**
[54] **THERAPIE GENIQUE POUR LA TROPONINE C (TNNC1) A L'AIDE D'UN VECTEUR AAV**
[72] HERZOG, CHRISTOPHER DEAN, US
[72] SACRAMENTO, CHESTER BITTENCORT, US
[72] RICKS, DAVID, US
[72] PRABHAKAR, RAJ, US
[71] SPACECRAFT SEVEN, LLC, US
[85] 2024-06-10
[86] 2022-12-09 (PCT/US2022/081282)
[87] (WO2023/108129)
[30] US (63/288,255) 2021-12-10

[21] **3,240,617**
[13] A1
[51] **Int.Cl. A61P 37/06 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **IG-LIKE FUSION PROTEINS AND USE THEREOF**
[54] **PROTEINES DE FUSION DE TYPE IG ET LEUR UTILISATION**
[72] OVED, KFIR, IL
[72] DENKBERG, GALIT, IL
[72] REEF, SHARON, IL
[72] PINZUR, YELENA, IL
[71] CANOPY IMMUNO-THERAPEUTICS LTD., IL
[85] 2024-06-10
[86] 2022-12-13 (PCT/IL2022/051321)
[87] (WO2023/112028)
[30] US (63/288,782) 2021-12-13

[21] **3,240,618**
[13] A1
[51] **Int.Cl. G06F 9/30 (2018.01) G06F 15/80 (2006.01)**
[25] EN
[54] **VECTOR SHUFFLING METHOD, PROCESSOR AND ELECTRONIC DEVICE**
[54] **PROCEDE DE REARRANGEMENT DE VECTEURS, PROCESSEUR ET DISPOSITIF ELECTRONIQUE**
[72] WANG, WENXIANG, CN
[71] LOONGSON TECHNOLOGY CORPORATION LIMITED, CN
[85] 2024-06-10
[86] 2022-12-08 (PCT/CN2022/137500)
[87] (WO2023/104143)
[30] CN (202111508098.8) 2021-12-10

[21] **3,240,628**
[13] A1
[51] **Int.Cl. C01B 39/02 (2006.01) C14C 3/00 (2006.01)**
[25] EN
[54] **ZEOLITE PARTICLES**
[54] **PARTICULES DE ZEOLITE**
[72] STEBBING, SIMON, GB
[72] JANSSEN, ROGER, BE
[72] RATHBUN, MOSES, NL
[71] PQ SILICAS UK LIMITED, GB
[71] PQ SILICAS BV, NL
[85] 2024-06-11
[86] 2022-12-21 (PCT/GB2022/053344)
[87] (WO2023/118865)
[30] GB (2118809.9) 2021-12-22

[21] **3,240,631**
[13] A1
[51] **Int.Cl. A01G 9/029 (2018.01)**
[25] EN
[54] **HORTICULTURE TRAY SUPPORT SYSTEM**
[54] **SYSTEME DE SUPPORT DE PLATEAUX D'HORTICULTURE**
[72] BLACKMORE, JR., FRED N., US
[71] BLACKMORE COMPANY, INC., US
[85] 2024-04-04
[86] 2022-10-17 (PCT/US2022/046881)
[87] (WO2023/064630)
[30] US (17/502,811) 2021-10-15

[21] **3,240,633**
[13] A1
[51] **Int.Cl. C07D 209/16 (2006.01) A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 31/4045 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **TRYPTAMINE PRODRUGS**
[54] **PROMEDICAMENTS A BASE DE TRYPTAMINE**
[72] BRYSON, NATHAN, CA
[72] BRYSON, NATHAN, CA
[71] REUNION NEUROSCIENCE, INC., US
[85] 2024-06-11
[86] 2022-12-08 (PCT/CA2022/051797)
[87] (WO2023/108260)
[30] US (63/289,501) 2021-12-14

[21] **3,240,635**
[13] A1
[51] **Int.Cl. C01B 3/38 (2006.01) C07C 29/151 (2006.01) C07C 31/04 (2006.01) C10K 3/04 (2006.01) C10K 3/06 (2006.01)**
[25] EN
[54] **METHANOL FROM BIOMASS GASIFICATION**
[54] **PRODUCTION DE METHANOL A PARTIR D'UNE GAZEIFICATION DE BIOMASSE**
[72] MUSCIONICO, ISABELLA, IT
[72] MOREO, PIETRO, CH
[71] CASALE SA, CH
[85] 2024-06-11
[86] 2022-12-06 (PCT/EP2022/084537)
[87] (WO2023/110526)
[30] EP (21214547.8) 2021-12-14

[21] **3,240,637**
[13] A1
[51] **Int.Cl. D05B 33/00 (2006.01)**
[25] EN
[54] **TRANSFER APPARATUS**
[54]
[72] ITAKURA, TSUYOSHI, JP
[72] MURAKAMI, SHIGENORI, JP
[71] ELEVEN INTERNATIONAL CO., LTD., JP
[85] 2024-06-11
[86] 2022-09-22 (PCT/JP2022/035465)
[87] (WO2023/119769)
[30] JP (2021-205740) 2021-12-20
[30] JP (2022-087284) 2022-05-28

[21] **3,240,638**
[13] A1
[51] **Int.Cl. C11D 3/386 (2006.01)**
[25] EN
[54] **FABRIC AND HOME CARE COMPOSITION COMPRISING A PROTEASE**
[54] **COMPOSITION DE SOIN TEXTILE ET MENAGER COMPRENANT UNE PROTEASE**
[72] JACKSON, MICHELLE, GB
[72] KORZYCKA, KAROLINA ANNA, GB
[72] PICKERING, CARLY, GB
[72] SOUTER, PHILIP FRANK, GB
[72] ALEKSEYEV, VIKTOR YURYEVICH, US
[72] BABE, LILIA MARIA, US
[72] DANKMEYER, LYDIA, NL
[72] GHIRNIKAR, ROOPA SANTOSH, US
[72] GOEDEGEBUUR, FRITS, NL
[72] KAPER, THIJS, US
[72] MULDER, HARM JAN, NL
[72] REDESTIG, NILS HENNING, NL
[72] VAN STIGT-THANS, SANDER, NL
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2024-06-11
[86] 2022-12-14 (PCT/US2022/081483)
[87] (WO2023/114794)
[30] US (63/290,119) 2021-12-16

[21] **3,240,641**
[13] A1
[51] **Int.Cl. C11D 3/386 (2006.01) C11D 17/04 (2006.01)**
[25] EN
[54] **AUTOMATIC DISHWASHING COMPOSITION COMPRISING A PROTEASE**
[54] **COMPOSITION POUR LAVE-VAISSELLE AUTOMATIQUE COMPRENANT UNE PROTEASE**
[72] JACKSON, MICHELLE, GB
[72] KORZYCKA, KAROLINA ANNA, GB
[72] PICKERING, CARLY, GB
[72] SOUTER, PHILIP FRANK, GB
[72] ALEKSEYEV, VIKTOR YURYEVICH, US
[72] BABE, LILIA MARIA, US
[72] DANKMEYER, LYDIA, NL
[72] GHIRNIKAR, ROOPA SANTOSH, US
[72] GOEDEGEBUUR, FRITS, NL
[72] KAPER, THIJS, US
[72] MULDER, HARM JAN, NL
[72] REDESTIG, NILS HENNING, NL
[72] VAN STIGT-THANS, SANDER, NL
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2024-06-11
[86] 2022-12-14 (PCT/US2022/081484)
[87] (WO2023/114795)
[30] US (63/290,125) 2021-12-16

[21] **3,240,642**
[13] A1
[51] **Int.Cl. C22C 38/00 (2006.01) C21D 8/10 (2006.01) C22C 30/00 (2006.01) C22C 30/02 (2006.01) C22C 38/58 (2006.01)**
[25] EN
[54] **FE-CR-NI ALLOY MATERIAL**
[54] **MATERIAU D'ALLIAGE FE-CR-NI**
[72] TAKABE, HIDEKI, JP
[72] NAKANE, KAZUYA, JP
[72] MATSUDA, KOHEI, JP
[72] OKADA, SEIYA, JP
[71] NIPPON STEEL CORPORATION, JP
[85] 2024-06-11
[86] 2023-01-05 (PCT/JP2023/000052)
[87] (WO2023/132339)
[30] JP (2022-000845) 2022-01-06

[21] **3,240,645**
[13] A1
[25] EN
[54] **COMPOSITIONS AND METHODS FOR CELLULAR REPROGRAMMING USING CIRCULAR RNA**
[54] **COMPOSITIONS ET PROCEDES POUR LA REPROGRAMMATION CELLULAIRE A L'AIDE D'ARN CIRCULAIRE**
[72] CARPENTER, MELISSA, US
[72] NARAYAN, SANTOSH, US
[72] THIEL, AUSTIN, US
[72] YANG, MIRANDA, US
[71] ELEVATEBIO TECHNOLOGIES, INC., US
[85] 2024-06-11
[86] 2022-12-19 (PCT/US2022/081898)
[87] (WO2023/122517)
[30] US (63/291,645) 2021-12-20

[21] **3,240,646**
[13] A1
[51] **Int.Cl. H02K 1/276 (2022.01)**
[25] EN
[54] **ROTARY ELECTRIC MACHINE**
[54] **MACHINE ELECTRIQUE ROTATIVE**
[72] HONMA, REI, JP
[71] NIPPON STEEL CORPORATION, JP
[85] 2024-06-11
[86] 2023-03-20 (PCT/JP2023/010903)
[87] (WO2023/189825)
[30] JP (2022-053591) 2022-03-29

[21] **3,240,647**
[13] A1
[51] **Int.Cl. G05B 13/04 (2006.01) G05B 17/02 (2006.01)**
[25] EN
[54] **ESTABLISHING OR IMPROVING A SIMULATION MODEL OF AN ELECTROLYZER PLANT**
[54] **PROCEDE POUR ETABLIR OU AMELIORER UN MODELE DE SIMULATION D'UNE INSTALLATION D'ELECTROLYSE**
[72] GUTERMUTH, GEORG, DE
[72] BISKOPING, MATTHIAS, DE
[72] LENDERS, FELIX, DE
[72] PRIMAS, BERNHARD, DE
[72] KOENIG, KAI, DE
[72] BHALODI, KALPESH, DE
[71] ABB SCHWEIZ AG, CH
[85] 2024-06-11
[86] 2022-12-13 (PCT/EP2022/085476)
[87] (WO2023/110786)
[30] EP (21215300.1) 2021-12-16

[21] **3,240,648**
[13] A1
[51] **Int.Cl. C07K 14/395 (2006.01)**
[25] EN
[54] **METHODS OF PREVENTING INHIBITION OF FLAVOUR PRODUCTION IN YEAST**
[54] **PROCEDES POUR PREVENIR L'INHIBITION DE LA PRODUCTION D'AROMES DANS LA LEVURE**
[72] MALCORPS, PHILIPPE, BE
[72] DE GRAEVE, STIJN, BE
[72] SOUFFRIAU, BEN, BE
[72] HAGMAN, ARNE, BE
[72] THEVELEIN, JOHAN, BE
[71] ANHEUSER-BUSCH INBEV S.A., BE
[85] 2024-06-11
[86] 2022-12-16 (PCT/EP2022/086516)
[87] (WO2023/111343)
[30] BE (BE2021/5999) 2021-12-17

[21] **3,240,649**
[13] A1
[51] **Int.Cl. B32B 7/05 (2019.01) B32B 3/16 (2006.01) B32B 5/24 (2006.01)**
[25] EN
[54] **MULTI-BLOCKS STRUCTURE AND METHOD FOR FORMING A COMPOSITE PART FROM SAID STRUCTURE**
[54] **STRUCTURE A BLOCS MULTIPLES ET PROCEDE DE FORMATION D'UNE PIECE COMPOSITE A PARTIR DE LADITE STRUCTURE**
[72] LUQUAIN, SERGE, FR
[71] TECHNI-MODUL ENGINEERING, FR
[85] 2024-06-11
[86] 2022-12-21 (PCT/EP2022/087345)
[87] (WO2023/118367)
[30] EP (21306872.9) 2021-12-21

[21] **3,240,650**
[13] A1
[51] **Int.Cl. A01N 41/10 (2006.01) A01N 43/10 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE ANTIMICROBIENS**
[72] SIMELL, JAAKKO, FI
[72] KOLARI, MARKO, FI
[71] KEMIRA OYJ, FI
[85] 2024-06-11
[86] 2022-12-20 (PCT/EP2022/087035)
[87] (WO2023/118170)
[30] GB (2118669.7) 2021-12-21

[21] **3,240,651**
[13] A1
[25] EN
[54] **DSRNA, PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **ARN DOUBLE BRIN, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] LI, YUNFEI, CN
[72] ZHANG, ZHEN, CN
[72] HOU, ZHE, CN
[72] GENG, JUN, CN
[72] ZHANG, JIANYU, CN
[72] ZHOU, YAQIN, CN
[72] HUANG, LONGFEI, CN
[71] TUOJIE BIOTECH (SHANGHAI) CO., LTD., CN
[85] 2024-06-11
[86] 2022-12-16 (PCT/CN2022/139488)
[87] (WO2023/109938)
[30] CN (202111542797.4) 2021-12-16

[21] **3,240,653**
[13] A1
[51] **Int.Cl. A47G 19/22 (2006.01) B65D 90/00 (2006.01)**
[25] EN
[54] **ATTACHMENT FOR A DRINKING DEVICE FOR RETRONASAL RECEPTION OF AN AROMA SUBSTANCE, AND DRINKING DEVICE**
[54] **ACCESSOIRE POUR DISPOSITIF A BOIRE POUR RECEPTION PAR VOIE RETRONASALE D'UNE SUBSTANCE AROMATIQUE, ET DISPOSITIF A BOIRE**
[72] JAGER, TIM, DE
[71] AIR UP GROUP GMBH, DE
[85] 2024-05-27
[86] 2021-11-30 (PCT/EP2021/083547)
[87] (WO2023/098974)

[21] **3,240,654**
[13] A1
[51] **Int.Cl. G06N 3/0464 (2023.01) G06F 21/60 (2013.01) G06N 3/09 (2023.01) G06Q 10/0635 (2023.01)**
[25] EN
[54] **EXPLAINABLE MACHINE LEARNING BASED ON WAVELET ANALYSIS**
[54] **APPRENTISSAGE AUTOMATIQUE EXPLICABLE BASE SUR UNE ANALYSE D'ONDELETTES**
[72] DUGGER, JEFFERY, US
[71] EQUIFAX INC., US
[85] 2024-06-11
[86] 2022-12-16 (PCT/US2022/081836)
[87] (WO2023/115019)
[30] US (63/265,687) 2021-12-17

[21] **3,240,655**
[13] A1
[51] **Int.Cl. A01N 33/02 (2006.01) A01N 33/12 (2006.01) A01N 33/14 (2006.01) A01N 41/10 (2006.01) A01N 43/10 (2006.01) D21H 17/07 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL SYSTEM AND METHOD**
[54] **PROCEDE ET SYSTEME ANTIMICROBIENS**
[72] KOLARI, MARKO, FI
[72] SIMELL, JAAKKO, FI
[71] KEMIRA OYJ, FI
[85] 2024-06-11
[86] 2022-12-20 (PCT/EP2022/087037)
[87] (WO2023/118172)
[30] GB (2118671.3) 2021-12-21

[21] **3,240,656**
[13] A1
[51] **Int.Cl. C08K 3/40 (2006.01) C08K 7/14 (2006.01) C08L 77/02 (2006.01) C08L 77/06 (2006.01) C08K 3/22 (2006.01)**
[25] EN
[54] **POLYAMIDE COMPOSITIONS WITH HIGH HEAT PERFORMANCE**
[54] **COMPOSITIONS DE POLYAMIDE A HAUTE PERFORMANCE THERMIQUE**
[72] SPARKS, BRADLEY J., US
[72] RAY, JACOB G., US
[71] ASCEND PERFORMANCE MATERIALS OPERATIONS LLC, US
[85] 2024-06-11
[86] 2022-12-16 (PCT/US2022/081731)
[87] (WO2023/114956)
[30] US (63/291,038) 2021-12-17

[21] **3,240,658**
[13] A1
[51] **Int.Cl. C21B 7/12 (2006.01) F27D 1/16 (2006.01) F27D 3/15 (2006.01)**
[25] EN
[54] **MANIPULATOR ARM AND MANIPULATOR HAVING A MANIPULATOR ARM**
[54] **BRAS MANIPULATEUR, ET MANIPULATEUR COMPRENANT UN BRAS MANIPULATEUR**
[72] ZUANG, MAX, LU
[72] CLESEN, ROMAIN, LU
[72] FLAMMANG, MARC, LU
[71] TMT TAPPING MEASURING TECHNOLOGY SARL, LU
[85] 2024-05-27
[86] 2021-12-09 (PCT/EP2021/085010)
[87] (WO2023/104309)

[21] **3,240,659**
[13] A1
[51] **Int.Cl. C12P 19/38 (2006.01) C07H 19/06 (2006.01) C12P 19/40 (2006.01)**
[25] EN
[54] **C-NUCLEOSIDE MONOPHOSPHATE SYNTHESIS**
[54] **SYNTHESE DE MONOPHOSPHATE DE C-NUCLEOSIDE**
[72] KOPLUNAITE, MARTYNA, LT
[72] URBELIENE, NINA, LT
[72] MESKYS, ROLANDAS, LT
[72] IKASALAITE, DIANA, LT
[72] ZAKRYS, LINAS, LT
[72] KARPUS, LAURYNAS, LT
[72] RUGGIERI, FEDERICA, SE
[72] GROBE, SASCHA, SE
[71] UAB BIOMATTER DESIGNS, LT
[71] ENGINZYME AB, SE
[85] 2024-06-11
[86] 2023-01-10 (PCT/EP2023/050489)
[87] (WO2023/131727)
[30] GB (2200248.9) 2022-01-10

[21] **3,240,660**
[13] A1
[51] **Int.Cl. C10G 3/00 (2006.01) C10G 45/16 (2006.01) C10G 45/62 (2006.01) C10G 65/04 (2006.01)**
[25] EN
[54] **PRODUCING HYDROCARBONS FROM ORGANIC MATERIAL OF BIOLOGICAL ORIGIN**
[54] **PRODUCTION D'HYDROCARBURES A PARTIR D'UN MATERIAU ORGANIQUE D'ORIGINE BIOLOGIQUE**
[72] BJORKLOF, THOMAS, FI
[72] LINDQVIST, PETRI, FI
[71] NESTE OYJ, FI
[85] 2024-06-11
[86] 2022-12-30 (PCT/FI2022/050883)
[87] (WO2023/126584)
[30] FI (20216368) 2021-12-30
[30] FI (20216369) 2021-12-30
[30] FI (20216372) 2021-12-30
[30] FI (20216374) 2021-12-30
[30] FI (20216376) 2021-12-30

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[13] A1
[51] **Int.Cl. E02F 9/28 (2006.01)**
[25] EN
[54] **WEAR ASSEMBLY AND REMOVAL SYSTEM**
[54] **ENSEMBLE D'USURE ET SYSTEME DE RETRAIT**
[72] HARDING, DARRIN, US
[72] BEATLEY, MARK T., US
[72] BINGHAM, BRUCE C., US
[71] ESCO GROUP LLC, US
[85] 2024-06-11
[86] 2022-12-12 (PCT/US2022/052601)
[87] (WO2023/114154)
[30] US (63/288,873) 2021-12-13

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[13] A1
[51] **Int.Cl. A61K 31/52 (2006.01) A61K 47/18 (2017.01)**
[25] EN
[54] **STABLE FORMULATIONS OF SHR0302**
[54] **FORMULATIONS DE SHR0302 STABLES**
[72] BRINKMAN, HERBERT R., US
[72] CARBOL, JASON MICHAEL, US
[71] ARCUTIS BIOTHERAPEUTICS, INC., US
[85] 2024-06-11
[86] 2022-12-14 (PCT/US2022/081535)
[87] (WO2023/114832)
[30] US (63/289,780) 2021-12-15
[30] US (63/370,740) 2022-08-08

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[13] A1
[51] **Int.Cl. C22B 3/06 (2006.01) C22B 1/02 (2006.01) C22B 3/00 (2006.01) C22B 15/00 (2006.01) H01M 10/54 (2006.01)**
[25] EN
[54] **SELECTIVE LEACHING**
[54] **LIXIVIATION SELECTIVE**
[72] KLAASEN, BART, BE
[72] DENISSEN, JOS, BE
[71] UMICORE, BE
[85] 2024-05-27
[86] 2022-11-28 (PCT/EP2022/083478)
[87] (WO2023/099401)
[30] EP (21211405.2) 2021-11-30

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[13] A1
[51] **Int.Cl. A61L 15/28 (2006.01) A61L 15/32 (2006.01) A61L 15/42 (2006.01)**
[25] EN
[54] **COMPOSITION COMPRISING A BIOMATERIAL-BASED POROUS MATERIAL COATED WITH A POWDER**
[54] **COMPOSITION COMPRENANT UN MATERIAU POREUX A BASE DE BIOMATERIAU REVETU D'UNE POUDRE**
[72] WOGRAM, MARCO, DE
[72] VOLKER, ANNALENA, DE
[71] MEDSKIN SOLUTIONS DR. SUWELACK AG, DE
[85] 2024-06-11
[86] 2022-12-19 (PCT/EP2022/086692)
[87] (WO2023/111353)
[30] EP (21215771.3) 2021-12-17
[30] EP (21215766.3) 2021-12-17

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[13] A1
[51] **Int.Cl. B01D 53/04 (2006.01) B65D 51/30 (2006.01) B65D 81/26 (2006.01)**
[25] EN
[54] **GAS-PERMEABLE AND LIQUID-TIGHT RECEPTACLE FOR AN ACTIVE SUBSTANCE**
[54] **RECIPIENT PERMEABLE AUX GAZ ET ETANCHE AUX LIQUIDES POUR UNE SUBSTANCE ACTIVE**
[72] BESCHON, SEVERINE, FR
[72] OHL, SEBASTIEN, FR
[71] AIRNOV, INC., US
[85] 2024-06-11
[86] 2022-12-30 (PCT/EP2022/088075)
[87] (WO2023/126518)
[30] EP (21218444.4) 2021-12-31

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[13] A1
[51] **Int.Cl. G06T 11/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR GENERATING DENTAL PANORAMIC IMAGES WITH SHARPENED DEPICTION OF CLINICALLY RELEVANT, PATIENT-SPECIFIC PRE-SELECTED ANATOMICAL STRUCTURES**
[54] **PROCEDE ET SYSTEME DE GENERATION D'IMAGES PANORAMIQUES DENTAIRES AVEC UNE REPRESENTATION A NETTETE AMELIOREE DE STRUCTURES ANATOMIQUES PRESELECTIONNEES CLINIQUEMENT PERTINENTES SP ECIFIQUES AU PATIENT**
[72] MAUR, SUSANNE, DE
[72] BRAUN, TIM, DE
[71] DENTSPLY SIRONA INC., US
[71] SIRONA DENTAL SYSTEMS GMBH, DE
[85] 2024-05-27
[86] 2022-12-05 (PCT/EP2022/084412)
[87] (WO2023/110494)
[30] EP (21215687.1) 2021-12-17

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[13] A1
[51] **Int.Cl. C25C 3/06 (2006.01) C25C 3/16 (2006.01)**
[25] EN
[54] **METHOD AND INSTALLATION FOR THE MAINTENANCE OF AN ANODE YOKE OF A HALL-HEROULT CELL**
[54] **PROCEDE ET INSTALLATION DE MAINTENANCE D'UNE CULASSE D'ANODE D'UNE CELLULE HALL-HEROULT**
[72] DEVADIGA, NAGARAJ SANJEEVA, AE
[72] ALZAROONI, ABDALLA AHMED MOHAMED, AE
[72] NEUMANN, KARL-ERIC, AE
[72] ALAWADHI, MAHMOOD MOHAMMAD AHMAD ABDULMALIK, AE
[71] DUBAI ALUMINIUM PJSC, AE
[85] 2024-06-11
[86] 2022-12-26 (PCT/IB2022/062788)
[87] (WO2023/126819)
[30] EP (21218096.2) 2021-12-29

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[13] A1
[51] **Int.Cl. G03B 21/20 (2006.01)**
[25] EN
[54] **IRRADIANCE MONITORING IN PROJECTOR SYSTEMS**
[54] **SURVEILLANCE D'ECLAIREMENT ENERGETIQUE DANS DES SYSTEMES DE PROJECTEUR**
[72] GYSELINCK, STEFAN, BE
[72] BALLESTAD, ANDERS, CA
[71] BARCO N.V., BE
[85] 2024-05-27
[86] 2022-12-06 (PCT/EP2022/084581)
[87] (WO2023/104787)
[30] US (63/265,019) 2021-12-06

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[13] A1
[51] **Int.Cl. C08L 23/14 (2006.01) C08F 210/06 (2006.01) C09J 123/08 (2006.01) C09J 123/14 (2006.01)**
[25] EN
[54] **PROPYLENE-BASED BLEND COMPOSITIONS**
[54] **COMPOSITIONS DE MELANGES A BASE DE PROPYLENE**
[72] GURURAJAN, GIRIPRASATH, US
[72] BRAM, LAUREN P., US
[72] UHL, EUGENE R., US
[72] SOTOMAYOR, LUIS A., US
[72] HUFF, CAOL P., US
[72] VALDEZ, ALEXANDRA K., US
[72] AUSTIN, JENNIFER J., US
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2024-06-11
[86] 2022-12-14 (PCT/US2022/081503)
[87] (WO2023/114808)
[30] US (63/290,719) 2021-12-17

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[13] A1
[51] **Int.Cl. A23C 11/10 (2021.01) A23L 7/104 (2016.01) A23L 29/20 (2016.01) A23L 33/135 (2016.01) A23L 11/50 (2021.01) A23L 2/66 (2006.01)**
[25] EN
[54] **SHELF-STABLE FERMENTED PLANT-BASED FOOD PRODUCT PACKAGED IN A FLEXIBLE CONTAINER AND PROCESS FOR PRODUCING SUCH PRODUCT**
[54] **PRODUIT ALIMENTAIRE A BASE DE PLANTE FERMENTE A LONGUE DUREE DE CONSERVATION EMBALLE DANS UN RECIPIENT SOUPLE ET PROCESSUS DE PRODUCTION D'UN TEL PRODUIT**
[72] MORAN HERNANDEZ, NOELIA, CH
[72] MARCHESINI, GIULIA, FR
[72] WIDMER, CHRISTOPH THOMAS, CH
[72] LAKSMONO, YUNITA, ID
[72] ZAYAS, CRISTELA ARELI, MX
[72] ALONSO, LORETO, CH
[72] VALLE COSTA SILVA, JULIANA, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2024-06-11
[86] 2022-12-21 (PCT/EP2022/087144)
[87] (WO2023/118243)
[30] EP (21216767.0) 2021-12-22

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[13] A1
[51] **Int.Cl. C08F 210/16 (2006.01) C08F 4/659 (2006.01)**
[25] EN
[54] **PROCESSES FOR MAKING POLYOLEFINS WITH COMPOSITION CONTROL**
[54] **PROCEDES DE PREPARATION DE POLYOLEFINES AVEC CONTROLE DE COMPOSITION**
[72] GURURAJAN, GIRIPRASATH, US
[72] MA, RONG, US
[72] DHARMARAJAN, NARAYANASWAMI, US
[72] SCHAUDER, JEAN-ROCH H., BE
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2024-06-11
[86] 2022-12-14 (PCT/US2022/081511)
[87] (WO2023/114815)
[30] US (63/290,997) 2021-12-17

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[13] A1
[51] **Int.Cl. E02F 3/20 (2006.01) E02F 3/24 (2006.01) E02F 5/30 (2006.01)**
[25] EN
[54] **ATTACHMENT FOR AN EXCAVATOR**
[54] **ACCESSOIRE POUR UNE EXCAVATRICE**
[72] GALLOWAY, MARK, GB
[71] GALLOWAY STEEL FABRICATIONS LIMITED, GB
[85] 2024-06-11
[86] 2022-11-28 (PCT/EP2022/083516)
[87] (WO2023/110378)
[30] GB (2118237.3) 2021-12-16

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[13] A1
[51] **Int.Cl. A61M 5/315 (2006.01) A61D 7/00 (2006.01) A61M 5/20 (2006.01)**
[25] EN
[54] **VETERINARY SYRINGE**
[54] **SERINGUE VETERINAIRE**
[72] EISELE, MELANIE, DE
[71] HENKE-SASS, WOLF GMBH, DE
[85] 2024-05-27
[86] 2022-12-07 (PCT/EP2022/084758)
[87] (WO2023/117424)
[30] DE (10 2021 134 597.9) 2021-12-23

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[13] A1
[51] **Int.Cl. B04B 1/10 (2006.01)**
[25] EN
[54] **A NOZZLE FOR A CENTRIFUGAL SEPARATOR AND A CENTRIFUGAL SEPARATOR**
[54] **BUSE POUR SEPARATEUR CENTRIFUGE ET SEPARATEUR CENTRIFUGE ASSOCIE**
[72] EDWALL, JOHAN, SE
[72] MUNDY, PETER, CA
[72] WELANDER, ANDERS, SE
[71] ALFA LAVAL CORPORATE AB, SE
[85] 2024-06-11
[86] 2022-11-23 (PCT/EP2022/082978)
[87] (WO2023/117276)
[30] EP (21216031.1) 2021-12-20

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[13] A1
[51] **Int.Cl. B60L 53/57 (2019.01) B60L 53/65 (2019.01)**
[25] EN
[54] **CHARGING MANAGEMENT FOR ELECTRIC WORK VEHICLES**
[54] **GESTION DE CHARGE POUR VEHICULES DE TRAVAIL ELECTRIQUES**
[72] HARRENSTEIN, MATTHEW JOHN, US
[72] TWIGGER, THOMAS LESLIE, US
[71] CATERPILLAR INC., US
[85] 2024-05-27
[86] 2022-11-23 (PCT/US2022/050837)
[87] (WO2023/101874)
[30] GB (2117521.1) 2021-12-03

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[13] A1
[51] **Int.Cl. B01J 37/20 (2006.01) C10G 3/00 (2006.01)**
[25] EN
[54] **RENEWABLE DISTILLATE PRODUCTION WITH CONTINUOUS CATALYST SULFIDATION**
[54] **PRODUCTION DE DISTILLAT RENOUVELABLE AVEC SULFURATION DE CATALYSEUR CONTINUE**
[72] TRIVEDI, KIRTAN K., US
[72] RING, MICHAEL H., US
[71] EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY, US
[85] 2024-06-11
[86] 2022-12-12 (PCT/US2022/081341)
[87] (WO2023/114705)
[30] US (63/265,303) 2021-12-13

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[13] A1
[51] **Int.Cl. E21D 20/00 (2006.01) E21B 7/02 (2006.01) E21B 19/081 (2006.01) E21B 19/084 (2006.01)**
[25] EN
[54] **DRILLING AND BOLTING TOOL**
[54] **OUTIL DE PERCAGE ET DE BOULONNAGE**
[72] KOEKEMOER, RENIER, CA
[72] BARTER, JUSTIN, CA
[71] JOY GLOBAL UNDERGROUND MINING LLC, US
[85] 2024-05-27
[86] 2022-11-28 (PCT/US2022/051088)
[87] (WO2023/097081)
[30] US (63/283,909) 2021-11-29

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[13] A1
[51] **Int.Cl. B23K 9/12 (2006.01) B23K 9/173 (2006.01) B23K 9/29 (2006.01) B23K 9/32 (2006.01) B23K 37/02 (2006.01)**
[25] EN
[54] **WELDING TORCH NECK ADAPTERS AND WELDING TORCHES INCLUDING NECK ADAPTERS**
[54] **ADAPTATEURS DE COL DE CHALUMEAU DE SOUDAGE ET CHALUMEAUX DE SOUDAGE COMPRENANT DES ADAPTATEURS DE COL**
[72] BENNETT, II, STEPHEN, US
[72] CENTNER, ROBERT J., US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2024-05-27
[86] 2022-11-29 (PCT/US2022/051200)
[87] (WO2023/097107)
[30] US (63/283,760) 2021-11-29
[30] US (18/070,194) 2022-11-28

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[13] A1
[51] **Int.Cl. C08L 75/04 (2006.01) A61K 8/11 (2006.01) C09D 175/04 (2006.01)**
[25] EN
[54] **BIO-BASED POLYOLS, ESTERS, AND SURFACTANTS**
[54] **POLYOLS, ESTERS ET TENSIOACTIFS BIOSOURCES**
[72] LALGUDI, RAMANATHAN S., US
[71] LALGUDI, RAMANATHAN S., US
[85] 2024-06-11
[86] 2022-12-14 (PCT/US2022/052770)
[87] (WO2023/114250)
[30] US (63/289,525) 2021-12-14

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[13] A1
[51] **Int.Cl. G01N 23/041 (2018.01) G01N 23/087 (2018.01)**
[25] FR
[54] **PHASE-CONTRAST IMAGING METHOD FOR ESTIMATING THE LOCAL STOICHIOMETRY OF A SAMPLE**
[54] **PROCEDE D'IMAGERIE PAR CONTRASTE DE PHASE POUR ESTIMER LA STOECHIOMETRIE LOCALE D'UN ECHANTILLON**
[72] ZEITOUN, PHILIPPE, FR
[71] ECOLE POLYTECHNIQUE, FR
[71] ECOLE NATIONALE SUPERIEURE DES TECHNIQUES AVANCEES, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2024-06-11
[86] 2022-12-02 (PCT/EP2022/084261)
[87] (WO2023/117376)
[30] FR (FR2114352) 2021-12-23

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[13] A1
[51] **Int.Cl. F25D 23/06 (2006.01) F25D 29/00 (2006.01) G06T 7/73 (2017.01) F25D 25/02 (2006.01) G03B 29/00 (2021.01)**
[25] EN
[54] **REFRIGERATION SYSTEM WITH IMAGING**
[54] **SYSTEME DE REFRIGERATION FAISANT APPEL A L'IMAGERIE**
[72] NAPARSTEK, SAM, US
[71] SNWC, INC., US
[85] 2024-05-27
[86] 2022-12-01 (PCT/US2022/051590)
[87] (WO2023/102151)
[30] US (63/264,720) 2021-12-01

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[13] A1
[51] **Int.Cl. C01B 3/58 (2006.01)**
[25] FR
[54] **SOLID DESICCANT RESISTANT TO ALKALI HYDROXIDES**
[54] **SOLIDE DESSICANT RESISTANT AUX HYDROXYDES ALCALINS**
[72] RAVON, UGO, FR
[72] LUTZ, CECILE, FR
[72] GLAUDEIX, ISABELLE, FR
[72] SZENDROVICS, SYLVIE, FR
[71] ARKEMA FRANCE, FR
[85] 2024-06-11
[86] 2022-12-19 (PCT/FR2022/052419)
[87] (WO2023/126595)
[30] FR (FR2114669) 2021-12-30

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[13] A1
[51] **Int.Cl. C10L 1/198 (2006.01) C10L 10/08 (2006.01)**
[25] EN
[54] **DIALKYL PHENOL INITIATED POLYETHERAMINE AND USES THEREOF**
[54] **POLYETHERAMINE INITIEE PAR UN DIALKYLPHENOL ET SES UTILISATIONS**
[72] ZHAO, HAIBO, US
[72] GAO, YUSHENG, CN
[71] HUNTSMAN PETROCHEMICAL LLC, US
[85] 2024-05-27
[86] 2022-12-07 (PCT/US2022/052081)
[87] (WO2023/107530)
[30] US (63/287,995) 2021-12-10

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[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01)**
[25] EN
[54] **METHODS FOR ENRICHMENT OF CIRCULAR RNA UNDER DENATURING CONDITIONS**
[54] **PROCEDES D'ENRICHISSEMENT EN ARN CIRCULAIRE DANS DES CONDITIONS DE DENATURATION**
[72] DE BOER, ALEXANDRA SOPHIE, US
[72] PLUGIS, NICHOLAS MCCARTNEY, US
[72] CURA, ANTHONY JOSEPH, US
[72] FARB, JOSHUA NATHAN, US
[72] MANVAR, DINESHKUMAR, US
[72] MISRA, TUSHAR KANTI, US
[72] NELSON, JENNIFER A., US
[71] FLAGSHIP PIONEERING INNOVATIONS VI, LLC, US
[85] 2024-06-11
[86] 2022-12-16 (PCT/US2022/081826)
[87] (WO2023/115013)
[30] US (63/291,185) 2021-12-17

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[13] A1
[51] **Int.Cl. G05B 19/042 (2006.01) G06Q 10/06 (2023.01) G06Q 50/04 (2012.01) G06F 30/20 (2020.01) G05B 17/02 (2006.01) G09B 25/02 (2006.01)**
[25] EN
[54] **OPERATOR ASSISTANCE IN AN AUTOMATION SYSTEM**
[54] **AIDE D'OPERATEUR DANS UN SYSTEME D'AUTOMATISATION**
[72] AZHAR, SAAD, SE
[72] LE, DUY, VN
[71] ABB SCHWEIZ AG, CH
[85] 2024-06-11
[86] 2022-01-04 (PCT/EP2022/050048)
[87] (WO2023/131390)

[21] **3,240,694**
[13] A1
[51] **Int.Cl. B32B 17/10 (2006.01)**
[25] EN
[54] **VACUUM LIQUID RESIN LAMINATED GLASS PANEL AND METHODS FOR MAKING AND USING**
[54] **PANNEAU DE VERRE STRATIFIE EN RESINE LIQUIDE SOUS VIDE ET PROCEDES DE FABRICATION ET D'UTILISATION**
[72] WANG, JIANSHENG, US
[71] SCIENSTRY, INC., US
[85] 2024-06-11
[86] 2023-04-18 (PCT/US2023/018925)
[87] (WO2023/205134)
[30] US (63/332,824) 2022-04-20

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[13] A1
[51] **Int.Cl. B60H 1/00 (2006.01) B61D 25/00 (2006.01) B61D 27/00 (2006.01)**
[25] EN
[54] **PASSENGER TRANSPORT VEHICLE HAVING AN AIR-CONDITIONING SYSTEM**
[54] **VEHICULE DE TRANSPORT DE PASSAGERS COMPRENANT UN SYSTEME DE CLIMATISATION**
[72] AHLBORN, MARTIN, DE
[72] HALFMANN, MARTIN, DE
[72] SCHMACKE, MICHAEL, DE
[72] ZEBUNKE, STEFAN, DE
[71] SIEMENS MOBILITY GMBH, DE
[85] 2024-06-11
[86] 2022-12-16 (PCT/EP2022/086370)
[87] (WO2023/117763)
[30] DE (10 2021 214 657.0) 2021-12-20

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[13] A1
[51] **Int.Cl. B62M 27/02 (2006.01) B60L 50/60 (2019.01) B62J 43/16 (2020.01)**
[25] EN
[54] **FRAME FOR ELECTRIC SNOWMOBILE**
[54] **CADRE POUR MOTONEIGE ELECTRIQUE**
[72] VEZINA, SEBASTIEN, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[85] 2024-06-11
[86] 2023-06-29 (PCT/IB2023/056761)
[87] (WO2024/003818)
[30] US (63/356,832) 2022-06-29

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[13] A1
[51] **Int.Cl. G01T 1/164 (2006.01) G01T 1/202 (2006.01) G01T 3/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR MEASURING PATIENT-SPECIFIC EXTRAVASATION DOSIMETRY**
[54] **SYSTEME ET PROCEDES DE MESURE DE DOSIMETRIE D'EXTRAVASATION SPECIFIQUE A UN PATIENT**
[72] PERRIN, STEVEN, US
[72] KNOWLAND, JOSHUA G., US
[72] GORGE, WILLIAM, US
[71] LUCERNO DYNAMICS, LLC, US
[85] 2024-06-11
[86] 2023-01-12 (PCT/US2023/010693)
[87] (WO2023/137118)
[30] US (63/298,810) 2022-01-12
[30] US (18/096,213) 2023-01-12

[21] **3,240,698**
[13] A1
[51] **Int.Cl. B60L 58/27 (2019.01) B60L 50/60 (2019.01) B60L 53/16 (2019.01) B60L 58/24 (2019.01) B60L 1/02 (2006.01)**
[25] EN
[54] **HEATER FOR A BATTERY PACK OF AN ELECTRIC SNOWMOBILE**
[54] **ELEMENT CHAUFFANT POUR BLOC-BATTERIE DE MOTONEIGE ELECTRIQUE**
[72] DRIANT, THOMAS, CA
[72] BOURQUE, YANNICK, CA
[72] NOEL, ANTOINE, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[85] 2024-06-11
[86] 2023-06-29 (PCT/IB2023/056784)
[87] (WO2024/003834)
[30] US (63/356,856) 2022-06-29

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[13] A1
[51] **Int.Cl. C25B 1/04 (2021.01) C25B 15/08 (2006.01) F17C 5/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR RENEWABLE ENERGY BASED EV CHARGING AND HYDROGEN FUELING**
[54] **SYSTEME ET PROCEDE DE CHARGE ET DE RAVITAILLEMENT EN HYDROGENE DE VE A BASE D'ENERGIE RENOUVELABLE**
[72] JORGENSON, JOEL, US
[72] JORGENSON, ADAM, US
[72] NELSON, THOMAS, US
[72] HAALAND, NEAL, US
[71] BWR INNOVATIONS LLC, US
[85] 2024-06-11
[86] 2023-02-02 (PCT/US2023/012202)
[87] (WO2023/154210)
[30] US (63/309,128) 2022-02-11
[30] US (18/162,023) 2023-01-31

[21] **3,240,704**
[13] A1
[51] **Int.Cl. C10L 1/238 (2006.01) C10L 10/06 (2006.01)**
[25] EN
[54] **METHODS AND USES RELATING TO FUEL COMPOSITIONS**
[54] **PROCEDES ET UTILISATIONS RELATIFS A DES COMPOSITIONS POUR CARBURANT**
[72] REID, JACQUELINE, GB
[72] CROSS, ADELE, GB
[72] ROBERTS, MARTIN, GB
[72] ROSS, ALAN, GB
[71] INNOSPEC LIMITED, GB
[85] 2024-06-11
[86] 2022-12-14 (PCT/GB2022/053218)
[87] (WO2023/111552)
[30] GB (2118104.5) 2021-12-14

[21] **3,240,708**
[13] A1
[51] **Int.Cl. G05B 19/4093 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DYNAMICALLY CUSTOMIZING A HUMAN-MACHINE INTERFACE USING OBJECT ORIENTED PROGRAMMING**
[54] **SYSTEMES ET PROCEDES DE PERSONNALISATION DYNAMIQUE D'UNE INTERFACE HOMME-MACHINE PAR PROGRAMMATION ORIENTEE OBJET**
[72] DERBYSHIRE, ANDREW, US
[72] SHANNON, ADAM, US
[72] SELVIDGE, SCOTT, US
[71] ATOM DESIGN LLC, US
[85] 2024-05-27
[86] 2022-12-09 (PCT/US2022/052381)
[87] (WO2023/121889)
[30] US (63/291,514) 2021-12-20

[21] **3,240,709**
[13] A1
[51] **Int.Cl. H02J 3/30 (2006.01) H02J 3/32 (2006.01) H02J 7/00 (2006.01) H02J 7/02 (2016.01)**
[25] EN
[54] **ENERGY STORAGE POWER SOURCE USING A WOUND-ROTOR INDUCTION MACHINE (WRIM) TO CHARGE AND DISCHARGE ENERGY STORAGE ELEMENTS (ESES)**
[54] **SOURCE D'ALIMENTATION A STOCKAGE D'ENERGIE FAISANT APPEL A UNE MACHINE A INDUCTION A ROTOR BOBINE (WRIM) POUR CHARGER ET DECHARGER DES ELEMENTS DE STOCKAGE D'ENERGIE (ESE)**
[72] KUZNETSOV, STEPHEN B., US
[71] RAYTHEON COMPANY, US
[85] 2024-05-27
[86] 2022-12-20 (PCT/US2022/053501)
[87] (WO2023/122084)
[30] US (17/557,758) 2021-12-21

[21] **3,240,710**
[13] A1
[51] **Int.Cl. C10L 1/196 (2006.01) C10L 1/238 (2006.01) C10L 10/06 (2006.01)**
[25] EN
[54] **FUEL COMPOSITIONS**
[54] **COMPOSITIONS DE CARBURANT**
[72] REID, JACQUELINE, GB
[72] ROBERTS, MARTIN, GB
[72] ROSS, ALAN, GB
[72] SIMMS, MICHAEL JAMES, GB
[71] INNOSPEC LIMITED, GB
[85] 2024-06-11
[86] 2022-12-14 (PCT/GB2022/053217)
[87] (WO2023/111551)
[30] GB (2118103.7) 2021-12-14

[21] **3,240,713**
[13] A1
[51] **Int.Cl. A23K 10/20 (2016.01) C12Q 1/6883 (2018.01)**
[25] EN
[54] **IDENTIFYING DEFECTS IN CANINE NUCLEOTIDE SALVAGE PATHWAYS AND COMPOSITIONS AND METHODS FOR IMPROVING IMMUNE FUNCTION IN DOGS**
[54] **IDENTIFICATION DE DEFAUTS DANS DES VOIES DE RECUPERATION DE NUCLEOTIDES CANINS ET COMPOSITIONS ET PROCEDES POUR AMELIORER LA FONCTION IMMUNITAIRE CHEZ LES CHIENS**
[72] BROCKMAN, JEFFREY, US
[72] JACKSON, MATTHEW, US
[71] HILL'S PET NUTRITION, INC., US
[85] 2024-06-11
[86] 2022-10-28 (PCT/US2022/078833)
[87] (WO2023/114573)
[30] US (63/265,625) 2021-12-17

[21] **3,240,714**
[13] A1
[51] **Int.Cl. C10L 1/238 (2006.01) C10L 10/06 (2006.01)**
[25] EN
[54] **METHODS AND USES RELATING TO FUEL COMPOSITIONS**
[54] **PROCEDES ET UTILISATIONS RELATIFS A DES COMPOSITIONS DE CARBURANT**
[72] REID, JACQUELINE, GB
[72] BROOM, NIGEL JOHN, GB
[72] CROSS, ADELE, GB
[71] INNOSPEC LIMITED, GB
[85] 2024-06-11
[86] 2022-12-14 (PCT/GB2022/053216)
[87] (WO2023/111550)
[30] GB (2118100.3) 2021-12-14

[21] **3,240,717**
[13] A1
[51] **Int.Cl. A61J 1/20 (2006.01) A61M 39/26 (2006.01)**
[25] EN
[54] **MEDICAL DEVICE SYSTEM AND METHOD FOR PREPARING A DOSE**
[54] **SYSTEME DE DISPOSITIF MEDICAL ET METHODE DE PREPARATION DE DOSE**
[72] ALDRIDGE, PETER, US
[72] MARCHAND, PHILIPPE, US
[72] DOMIAN, IBRAHIM, US
[72] GALEA, ANNA M., US
[72] POLLIERI, GREGORY, US
[72] GUERRERO PALACIO, ANGEL LEONARDO, US
[72] MAC GIOLLA RI, BRIAN, US
[72] RUBIANTO, JONATHAN, CA
[72] MAHER, MATTHEW GARDNER, US
[72] SCOTT, MICHAEL, CA
[71] BLUEROCK THERAPEUTICS LP, US
[71] ALDRIDGE, PETER, US
[71] MARCHAND, PHILIPPE, US
[71] DOMIAN, IBRAHIM, US
[71] GALEA, ANNA M., US
[71] POLLIERI, GREGORY, US
[71] GUERRERO PALACIO, ANGEL LEONARDO, US
[71] MAC GIOLLA RI, BRIAN, US
[71] RUBIANTO, JONATHAN, CA
[71] MAHER, MATTHEW GARDNER, US
[71] SCOTT, MICHAEL, CA
[85] 2024-05-27
[86] 2022-12-27 (PCT/US2022/054102)
[87] (WO2023/129563)
[30] US (63/294,851) 2021-12-30
[30] US (63/294,853) 2021-12-30
[30] US (63/294,854) 2021-12-30
[30] US (63/435,196) 2022-12-23

[21] **3,240,721**
[13] A1
[51] **Int.Cl. A61K 35/19 (2015.01)**
[25] EN
[54] **METHODS FOR DETERMINING THE PROGNOSIS AND STAGE OF A DISEASE OR DISORDER**
[54] **METHODES DE DETERMINATION DU PRONOSTIC ET DU STADE D'UNE MALADIE OU D'UNE AFFECTION**
[72] KLEMENT, GIANNOULA LAKKA, US
[72] ABOU-SLAYBI, ABDO, US
[72] ROBERTS, DARROL G., US
[71] HESSIAN LABS, INC., US
[85] 2024-06-11
[86] 2022-12-13 (PCT/US2022/052628)
[87] (WO2023/114169)
[30] US (63/288,775) 2021-12-13

[21] **3,240,723**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF THYROID EYE DISEASE**
[54] **COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT D'UNE MALADIE OCULAIRE THYROIDIENNE**
[72] BEDIAN, VAHE, US
[72] ZHAO, YANG, US
[71] VIRIDIAN THERAPEUTICS, INC., US
[85] 2024-06-11
[86] 2022-12-22 (PCT/US2022/082214)
[87] (WO2023/122714)
[30] US (63/293,242) 2021-12-23

[21] **3,240,724**
[13] A1
[51] **Int.Cl. A61K 47/68 (2017.01)**
[25] EN
[54] **COMBINATION OF ANTIBODY-DRUG CONJUGATE AND ATR INHIBITOR**
[54] **ASSOCIATION D'UN CONJUGUE ANTICORPS-MEDICAMENT ET D'UN INHIBITEUR D'ATR**
[72] SUNG, MATTHEW SIMON, US
[72] LAU, ALAN YIN KAI, GB
[72] WALLEZ, YANN, GB
[72] METTETAL II, JEROME THOMAS, US
[72] PROIA, THERESA ANGELA, US
[72] RANDLE, SUZANNE JANE, GB
[72] ANDERTON, MARK JOHN, GB
[71] ASTRAZENECA UK LIMITED, GB
[71] DAIICHI SANKYO COMPANY, LIMITED, JP
[85] 2024-06-11
[86] 2022-12-27 (PCT/IB2022/062798)
[87] (WO2023/126823)
[30] US (63/294,368) 2021-12-28

[21] **3,240,727**
[13] A1
[51] **Int.Cl. E05F 15/73 (2015.01)**
[25] EN
[54] **ERROR DATA REPORTING FOR ENTRANCE SYSTEMS**
[54] **RAPPORT DE DONNEES D'ERREUR POUR SYSTEMES D'ENTREE**
[72] DREYER, ROGER, SE
[72] NAVNE, MATHIAS, SE
[72] SAMUELSSON, MATS, SE
[72] HOMSSI, REBECA, SE
[72] AHLFORS, ULF, SE
[71] ASSA ABLOY ENTRANCE SYSTEMS AB, SE
[85] 2024-06-11
[86] 2022-12-13 (PCT/EP2022/085503)
[87] (WO2023/110804)
[30] SE (2130360-7) 2021-12-14

[21] **3,240,728**
[13] A1
[51] **Int.Cl. G21C 3/07 (2006.01) G21C 21/02 (2006.01)**
[25] FR
[54] **NUCLEAR FUEL CLADDING AND METHOD FOR PRODUCING SUCH CLADDING**
[54] **GAINE DE COMBUSTIBLE NUCLEAIRE ET PROCEDE DE FABRICATION D'UNE TELLE GAINE**
[72] BISCHOFF, JEREMY, FR
[72] BARBERIS, PIERRE, FR
[72] BUCHANAN, KARL, FR
[71] FRAMATOME, FR
[85] 2024-06-11
[86] 2022-12-26 (PCT/EP2022/087846)
[87] (WO2023/126387)
[30] FR (FR2114546) 2021-12-27

[21] **3,240,729**
[13] A1
[51] **Int.Cl. E01F 9/615 (2016.01) E01F 9/654 (2016.01) E01F 9/692 (2016.01)**
[25] EN
[54] **SAFETY LIGHT DEVICE**
[54] **DISPOSITIF D'ECLAIRAGE DE SECURITE**
[72] ALEXANDER, MICHAEL, US
[71] NITE BEAMS TECHNOLOGY, LLC, US
[85] 2024-06-11
[86] 2022-12-16 (PCT/US2022/053151)
[87] (WO2023/121962)
[30] US (63/293,182) 2021-12-23

[21] **3,240,730**
[13] A1
[25] EN
[54] **REMOTE MEDICAL IMAGING SYSTEM PROCESSING**
[54] **TRAITEMENT DE SYSTEME D'IMAGERIE MEDICALE A DISTANCE**
[72] RUSS, TOMAS, US
[72] STROMSKI, STEVEN M., US
[72] FARAH, SAMIR, US
[72] HOEVELER, MARK, US
[72] TATOSIAN, DOUGLAS, US
[71] LIGHTLAB IMAGING, INC., US
[85] 2024-06-11
[86] 2023-11-09 (PCT/US2023/037100)
[87] (WO2024/102445)
[30] US (63/424,636) 2022-11-11

[21] **3,240,732**
[13] A1
[51] **Int.Cl. C10G 1/10 (2006.01)**
[25] EN
[54] **METHOD FOR MONITORING A CONTROL PARAMETER ON A SUBSTANTIALLY PLASTIC MATERIAL, RELATING TO APPARATUS AND PYROLYSIS PROCESS WHICH USES THIS METHOD**
[54] **PROCEDE DE SURVEILLANCE D'UN PARAMETRE DE COMMANDE SUR UN MATERIAU SENSIBLEMENT PLASTIQUE, SE RAPPORTANT A UN APPAREIL ET PROCEDE DE PYROLYSE UTILISANT CE PROCEDE**
[72] FELISARI, RICCARDO, IT
[72] GALEOTTI, ARMANDO, IT
[72] NODARI, MIRCO, IT
[72] BONACINI, FRANCESCO, IT
[72] PONTICIELLO, ANTONIO, IT
[71] VERSALIS S.P.A., IT
[85] 2024-06-11
[86] 2022-12-27 (PCT/IB2022/062801)
[87] (WO2023/126826)
[30] IT (102021000033059) 2021-12-30

[21] **3,240,733**
[13] A1
[51] **Int.Cl. H04W 72/04 (2023.01)**
[25] EN
[54] **UPLINK TRANSMISSION METHOD AND APPARATUS, NETWORK NODE AND STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE TRANSMISSION EN LIAISON MONTANTE, N?UD DE RESEAU ET SUPPORT DE STOCKAGE**
[72] ZHENG, YI, CN
[72] LIU, YONGCHANG, CN
[72] WANG, FEI, CN
[71] CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE, CN
[71] CHINA MOBILE COMMUNICATIONS GROUP CO., LTD., CN
[85] 2024-06-11
[86] 2022-12-15 (PCT/CN2022/139275)
[87] (WO2023/109898)
[30] CN (202111535363.1) 2021-12-15

[21] **3,240,735**
[13] A1
[51] **Int.Cl. A61P 19/08 (2006.01) C07K 14/575 (2006.01)**
[25] EN
[54] **PEPTIDES TRIPLE AGONISTS OF GIP, GLP-1 AND GLP-2**
[54] **PEPTIDES AGONISTES TRIPLES DE GIP, GLP-1 ET GLP-2**
[72] RIBER, DITTE, DK
[72] ROSENKILDE, METTE MARIE, DK
[71] BAINAN BIOTECH APS, DK
[85] 2024-06-11
[86] 2022-12-16 (PCT/EP2022/086376)
[87] (WO2023/111278)
[30] EP (21215550.1) 2021-12-17

[21] **3,240,736**
[13] A1
[51] **Int.Cl. G02F 1/361 (2006.01)**
[25] EN
[54] **NONLINEAR OPTICAL CHROMOPHORES HAVING SHORT-CHAIN BRIDGE STRUCTURES, LOW OPTICAL LOSS MATERIALS CONTAINING THE SAME, AND METHODS FOR PREPARING THE SAME**
[54] **CHROMOPHORES OPTIQUES NON LINEAIRES AYANT DES STRUCTURES DE PONT A CHAINE COURTE, MATERIAUX A FAIBLE PERTE OPTIQUE LES CONTENANT, ET LEURS PROCEDES DE PREPARATION**
[72] PECINOVSKY, CORY, US
[72] JOHNSON, BARRY, US
[72] RAMANN, GINELLE A., US
[72] CHEN, BAOQUAN, US
[71] LIGHTWAVE LOGIC, INC., US
[85] 2024-06-11
[86] 2022-12-19 (PCT/US2022/053376)
[87] (WO2023/132934)
[30] US (63/296,579) 2022-01-05

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[13] A1
[51] **Int.Cl. A23L 29/10 (2016.01) A23L 29/212 (2016.01) A23L 29/231 (2016.01) A23L 29/262 (2016.01) A23L 29/294 (2016.01)**
[25] EN
[54] **OPACIFYING AGENTS**
[54] **AGENTS OPACIFIANTS**
[72] POREDDY, VIJAYABHASKAR, US
[72] BANERJEE, PRATISTHA, US
[72] BENSON, BRIANNA, US
[72] CULLINAN, DAVID, US
[71] EFCO PRODUCTS, INC., US
[85] 2024-06-11
[86] 2022-12-13 (PCT/US2022/052735)
[87] (WO2023/114226)
[30] US (17/552,045) 2021-12-15

[21] **3,240,738**
[13] A1
[51] **Int.Cl. G09C 5/00 (2006.01) G06F 21/62 (2013.01) G06F 7/72 (2006.01) H04L 9/00 (2022.01)**
[25] EN
[54] **CRYPTOGRAPHIC PROCESSOR FOR FULLY HOMOMORPHIC ENCRYPTION (FHE) APPLICATIONS**
[54] **PROCESSEUR CRYPTOGRAPHIQUE POUR DES APPLICATIONS DE CHIFFREMENT ENTIEREMENT HOMOMORPHE (FHE)**
[72] BAJPEYI, SHAVEER, CA
[72] GULAK, GLENN, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2024-06-11
[86] 2022-12-15 (PCT/CA2022/051827)
[87] (WO2023/108281)
[30] US (63/289,783) 2021-12-15
[30] US (18/081,078) 2022-12-14

[21] **3,240,739**
[13] A1
[51] **Int.Cl. C25B 11/052 (2021.01) C25B 11/061 (2021.01) C25B 11/093 (2021.01) C25C 1/08 (2006.01) C25C 1/10 (2006.01) C25C 1/12 (2006.01) C25C 1/16 (2006.01) C25C 1/20 (2006.01) C25C 7/02 (2006.01)**
[25] EN
[54] **ELECTRODE, AND USE AND PREPARATION METHOD THEREOF**
[54] **ELECTRODE, UTILISATION ET PROCEDE DE PREPARATION ASSOCIES**
[72] JEREMIASSE, ADRIAAN, NL
[72] LOVRAK, MATIJA, NL
[72] ZHAO, QITE, CN
[71] MAGNETO SPECIAL ANODES B.V., NL
[85] 2024-06-11
[86] 2023-01-17 (PCT/EP2023/051035)
[87] (WO2023/143968)
[30] CN (202210102406.5) 2022-01-27

[21] **3,240,742**
[13] A1
[25] EN
[54] **RING MEMBER**
[54] **ELEMENT ANNULAIRE**
[72] ODA, KEITA, JP
[72] KOMARU, YUITO, JP
[72] TANAKA, RYUNOSUKE, JP
[71] KUBOTA CORPORATION, JP
[85] 2024-06-11
[86] 2022-12-05 (PCT/JP2022/044660)
[87] (WO2023/120125)
[30] JP (2021-205637) 2021-12-20

[21] **3,240,744**
[13] A1
[51] **Int.Cl. B62D 55/32 (2006.01)**
[25] EN
[54] **COMPONENT WEAR MONITORING BASED ON STRAIN DATA**
[54] **SURVEILLANCE D'USURE DE COMPOSANT SUR LA BASE DE DONNEES DE CONTRAINTE**
[72] JOHANNSEN, ERIC J., US
[71] CATERPILLAR INC., US
[85] 2024-06-11
[86] 2022-12-02 (PCT/US2022/051596)
[87] (WO2023/114020)
[30] US (17/644,583) 2021-12-16

[21] **3,240,746**
[13] A1
[25] EN
[54] **PRODUCTION OF 177LU FROM YB TARGETS**
[54] **PRODUCTION DE 177LU A PARTIR DE CIBLES YB**
[72] ROBERTSON, JOHN DAVID, US
[72] LYDON, JOHN D., US
[72] GARNOV, ALEXANDER, US
[71] THE CURATORS OF THE UNIVSERITY OF MISSOURI, US
[85] 2024-06-11
[86] 2022-12-16 (PCT/US2022/053176)
[87] (WO2023/121967)
[30] US (63/292,286) 2021-12-21

[21] **3,240,747**
[13] A1
[51] **Int.Cl. C12Q 1/6869 (2018.01)**
[25] EN
[54] **SINGLE-MOLECULE PEPTIDE SEQUENCING THROUGH MOLECULAR BARCODING AND EX-SITU ANALYSIS**
[54] **SEQUENCAGE DE PEPTIDES A MOLECULE UNIQUE PAR CODAGE A BARRES MOLECULAIRES ET ANALYSE EX-SITU**
[72] ESTANDIAN, DANIEL MASAO, US
[72] WASSIE, ASMAMAW, US
[72] HUA, BOYANG, US
[72] PRAKASH, JAI, US
[71] GLYPHIC BIOTECHNOLOGIES, INC., US
[85] 2024-06-11
[86] 2022-12-12 (PCT/US2022/081392)
[87] (WO2023/114732)
[30] US (63/289,261) 2021-12-14
[30] US (63/326,382) 2022-04-01

[21] **3,240,749**
[13] A1
[51] **Int.Cl. B65D 41/16 (2006.01)**
[25] EN
[54] **DEVICE FOR EVAPORATING VOLATILE SUBSTANCES**
[54] **DISPOSITIF D'EVAPORATION DE SUBSTANCES VOLATILES**
[72] DI PALMA, LUKE, ES
[72] LAGUNA VALER, ANDREA, ES
[72] SANCHO MARZO, ALBERTO JOSE, ES
[71] ZOBELE HOLDING SPA, IT
[85] 2024-06-11
[86] 2022-12-13 (PCT/EP2022/085564)
[87] (WO2023/110837)
[30] ES (P202131146) 2021-12-13

[21] **3,240,750**
[13] A1
[51] **Int.Cl. A61P 19/08 (2006.01) C07K 14/44 (2006.01) C07K 14/575 (2006.01)**
[25] EN
[54] **PEPTIDE DUAL AGONISTS OF GIPR AND GLP2R**
[54] **AGONISTES DOUBLES PEPTIDIQUES DE GIPR ET GLP2R**
[72] RIBER, DITTE, DK
[72] ROSENKILDE, METTE MARIE, DK
[71] BAINAN BIOTECH APS, DK
[85] 2024-06-11
[86] 2022-12-16 (PCT/EP2022/086362)
[87] (WO2023/111273)
[30] EP (21215608.7) 2021-12-17

[21] **3,240,751**
[13] A1
[51] **Int.Cl. B60L 58/13 (2019.01) B60L 58/12 (2019.01)**
[25] EN
[54] **MINING VEHICLE CONTROL**
[54] **COMMANDE DE VEHICULE D'EXPLOITATION MINIERE**
[72] SIIVONEN, LAURI, FI
[71] SANDVIK MINING AND CONSTRUCTION OY, FI
[85] 2024-06-11
[86] 2022-12-30 (PCT/EP2022/088079)
[87] (WO2023/126521)
[30] EP (21218339.6) 2021-12-30

[21] **3,240,753**
[13] A1
[51] **Int.Cl. C07C 41/16 (2006.01) C07C 63/331 (2006.01) C07C 65/105 (2006.01) C07C 65/24 (2006.01) C07C 67/343 (2006.01)**
[25] EN
[54] **SYNTHESIS OF METAL ORGANIC FRAMEWORK (MOF) MATERIALS WITH HIGH ADSORPTION CAPACITY OF ORGANIC COMPOUNDS AND CO2 CAPTURE**
[54] **SYNTHESE DE MATERIAUX DE RESEAU METALLO-ORGANIQUE (MOF) A GRANDE CAPACITE D?ADSORPTION DE COMPOSES ORGANIQUES ET DE CAPTURE DE CO2**
[72] LOUIS, BENOIT, FR
[72] ISRAFILOV, NIZAMI, FR
[72] PLANEIX, JEAN-MARC, FR
[71] UNIVERSITE DE STRASBOURG, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2024-06-11
[86] 2022-12-22 (PCT/EP2022/087509)
[87] (WO2023/118454)
[30] EP (21306902.4) 2021-12-22

[21] **3,240,754**
[13] A1
[25] EN
[54] **PIPE JOINT AND PIPE JOINING METHOD**
[54] **RACCORD DE TUYAU ET PROCEDE D'ASSEMBLAGE DE TUYAU**
[72] TANAKA, RYUNOSUKE, JP
[72] KOMARU, YUITO, JP
[72] ODA, KEITA, JP
[71] KUBOTA CORPORATION, JP
[85] 2024-06-11
[86] 2022-12-08 (PCT/JP2022/045316)
[87] (WO2023/120214)
[30] JP (2021-205636) 2021-12-20
[30] JP (2021-210080) 2021-12-24

[21] **3,240,755**
[13] A1
[51] **Int.Cl. G21D 1/00 (2006.01) B28D 1/22 (2006.01) G21C 15/18 (2006.01)**
[25] EN
[54] **METHOD FOR REMOVING DOUSING TANK OF HEAVY WATER REACTOR STRUCTURE**
[54] **PROCEDE DE RETRAIT DE RESERVOIR D'ARROSAGE DE STRUCTURE DE REACTEUR A EAU LOURDE**
[72] HWANG, SEOK JU, KR
[72] HWANG, YOUNG HWAN, KR
[72] KIM, SI YOUNG, KR
[72] KIM, CHEON WOO, KR
[71] KOREA HYDRO & NUCLEAR POWER CO., LTD., KR
[85] 2024-06-11
[86] 2023-01-13 (PCT/KR2023/000632)
[87] (WO2023/136649)
[30] KR (10-2022-0005629) 2022-01-14

[21] **3,240,758**
[13] A1
[51] **Int.Cl. A61L 15/18 (2006.01) A61L 15/26 (2006.01) A61L 15/42 (2006.01) A61L 15/46 (2006.01)**
[25] EN
[54] **A POLYURETHANE FOAM FOR USE IN A WOUND PAD**
[54] **MOUSSE DE POLYURETHANE DESTINEE A ETRE UTILISEE DANS UNE COMPRESSE DE PLAIE**
[72] ARESKOUG, STEFAN, SE
[72] DAVIS, JAMES W., US
[72] LALIBERTE, WILLIAM, US
[72] LARKO SANDER, EVA, SE
[71] MOLNLYCKE HEALTH CARE AB, SE
[85] 2024-06-11
[86] 2022-12-01 (PCT/EP2022/084009)
[87] (WO2023/117354)
[30] EP (21216926.2) 2021-12-22

[21] **3,240,759**
[13] A1
[51] **Int.Cl. C07D 215/54 (2006.01) A01N 43/42 (2006.01) C07D 221/04 (2006.01) C07D 401/12 (2006.01) C07D 471/04 (2006.01) C07D 495/04 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **NOVEL SUBSTITUTED FUSED BICYCLIC PYRIDINE CARBOXAMIDE COMPOUNDS FOR COMBATING PHYTOPATHOGENIC FUNGI**
[54] **NOUVEAUX COMPOSES DE PYRIDINE CARBOXAMIDE BICYCLIQUES FUSIONNES SUBSTITUES POUR LUTTER CONTRE DES CHAMPIGNONS PHYTOPATHOGENES**
[72] JAGDALE, ARUN R., IN
[72] MAHAJAN, VISHAL A., IN
[72] RODE, NAVNATH D., IN
[72] JENA, LALIT KUMAR, IN
[72] YADAV, SANTOSH KUMAR, IN
[72] SHARMA, SUKRITI, IN
[72] PAREKH, MITHIL, IN
[72] AUTKAR, SANTOSH SHRIDHAR, IN
[72] KLAUSENER, ALEXANDER G.M., DE
[72] SAXENA, ROHIT, IN
[71] PI INDUSTRIES LTD., IN
[85] 2024-06-11
[86] 2022-12-16 (PCT/IN2022/051084)
[87] (WO2023/112056)
[30] IN (202111059075) 2021-12-17

[21] **3,240,760**
[13] A1
[25] EN
[54] **A PALM OIL BASED SHORTENING COMPOSITION WITH ENHANCED FLAVOR AND A METHOD OF MAKING THE SAME**
[54] **COMPOSITION DE MATIERE GRASSE A BASE D'HUILE DE PALME A FLAVEUR AMELIOREE ET SON PROCEDE DE FABRICATION**
[72] CHEN, JUNYIN, US
[72] MA, ZHUKUN, US
[72] XUE, WEILIN, US
[72] ZHAO, ZHENYU, US
[72] SHI, YAN, US
[72] GU, YINFEN, US
[71] CARGILL, INCORPORATED, US
[85] 2024-06-11
[86] 2021-12-16 (PCT/CN2021/138749)
[87] (WO2023/108537)

[21] **3,240,761**
[13] A1
[51] **Int.Cl. C06B 25/04 (2006.01) C07C 205/06 (2006.01)**
[25] EN
[54] **NITRATING MIXTURE FOR THE NITRATION OF 2,4- AND 2,6-DINITROTOLUENE TO 2,4,6-TRINITROTOLUENE AND A PROCESS FOR OBTAINING THEREOF USING THE SAME**
[54] **MELANGE DE NITRATION POUR LA NITRATION DE 2,4-ET 2,6-DINITROTOLUENE EN 2,4,6-TRINITROTOLUENE ET SON PROCEDE D'OBTENTION A L'AIDE DE CELUI-CI**
[72] MAKSIMOWSKI, PAWEL, PL
[72] NASTALA, ANDRZEJ, PL
[71] POLITECHNIKA WARSZAWSKA, PL
[85] 2024-06-11
[86] 2023-07-13 (PCT/PL2023/050058)
[87] (WO2024/014973)
[30] PL (P.441726) 2022-07-13

[21] **3,240,763**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4375 (2006.01) A61K 31/5377 (2006.01) A61K 31/5386 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **CDK9 INHIBITOR AND USE THEREOF**
[54] **INHIBITEUR DE CDK9 ET SON UTILISATION**
[72] WU, FRANK, CN
[72] LI, LIN, CN
[72] WANG, WUWEI, CN
[72] YOKOSAKA, TAKUYA, JP
[72] MIYANO, NATSUMI, JP
[72] KAWASAKI, MASANORI, JP
[71] TRANSTHERA SCIENCES (NANJING) , INC., CN
[71] TEIJIN PHARMA LIMITED, JP
[85] 2024-06-11
[86] 2022-12-16 (PCT/CN2022/139704)
[87] (WO2023/109959)
[30] CN (202111543257.8) 2021-12-16
[30] CN (202210632338.3) 2022-06-02
[30] CN (202210928526.0) 2022-08-03

[21] **3,240,764**
[13] A1
[51] **Int.Cl. H01Q 3/12 (2006.01)**
[25] EN
[54] **ANTENNA SUBREFLECTOR WITH CONSTANT PHASE CENTERING AND 3D TRACKING**
[54] **SOUS-REFLECTEUR D'ANTENNE AVEC CENTRAGE DE PHASE CONSTANT ET SUIVI 3D**
[72] WEBB, DAVID, US
[71] KRATOS ANTENNA SOLUTIONS CORPORATION, US
[85] 2024-06-11
[86] 2023-03-23 (PCT/US2023/016133)
[87] (WO2023/183521)
[30] US (63/322,719) 2022-03-23

[21] **3,240,765**
[13] A1
[51] **Int.Cl. G06V 10/75 (2022.01) G06V 20/00 (2022.01)**
[25] EN
[54] **DISPLAY SYSTEM WITH IMPROVED RELIABILITY**
[54] **SYSTEME D'AFFICHAGE A FIABILITE AMELIOREE**
[72] SCOSCINI, STEFANO, IT
[72] CINTI, GIANCARLO, IT
[72] NAVARRA, RAFFAELE, IT
[72] CASCINO, GABRIELE, IT
[72] CELLITTI, DAVID, IT
[71] LEONARDO S.P.A., IT
[85] 2024-06-11
[86] 2022-12-12 (PCT/IB2022/062080)
[87] (WO2023/111820)
[30] EP (21425067.2) 2021-12-15
[30] IT (102022000008837) 2022-05-02

[21] **3,240,766**
[13] A1
[25] EN
[54] **USE OF TAWOX FOR IMPROVING REGENERATION OF PLANT CELLS**
[54] **UTILISATION DE TAWOX POUR AMELIORER LA REGENERATION DE CELLULES VEGETALES**
[72] GOLDS, TIMOTHY JAMES, BE
[72] SAIDI, YOUNOUSSE, BE
[72] BOSSIER, EVELINE, BE
[72] VAN AUDENHOVE, KATRIEN, BE
[71] BASF AGRICULTURAL SOLUTIONS SEED US LLC, US
[85] 2024-06-11
[86] 2022-12-21 (PCT/US2022/082100)
[87] (WO2023/122640)
[30] EP (21216778.7) 2021-12-22

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[13] A1
[51] **Int.Cl. B24D 15/02 (2006.01) G10D 3/22 (2020.01) G10D 3/06 (2020.01) B23D 71/10 (2006.01)**
[25] EN
[54] **FILE FOR CREATING A NON-PLANAR CONTOUR, IN PARTICULAR WITH TRANSVERSE CURVATURE**
[54] **LIME POUR CREER UN CONTOUR NON PLAN, PRESENTANT EN PARTICULIER UNE COURBURE TRANSVERSALE**
[72] ERTL, LOTHAR, DE
[71] ERTL, LOTHAR, DE
[85] 2024-06-11
[86] 2022-12-22 (PCT/EP2022/087527)
[87] (WO2023/118459)
[30] DE (10 2021 215 021.7) 2021-12-23

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[13] A1
[25] EN
[54] **RENDERING A SKY VEIL ON AN AVIONIC PRIMARY FLIGHT DISPLAY**
[54] **RENDU D'UN VOILE DE CIEL SUR UNE UNITE D'AFFICHAGE PRINCIPALE DE COMMANDES DE VOL AVIONIQUES**
[72] BRUGNOLI, EUGENIO, IT
[72] TRIPELLI, JONATHAN, IT
[71] LEONARDO S.P.A., IT
[85] 2024-06-11
[86] 2022-12-15 (PCT/IB2022/062285)
[87] (WO2023/111929)
[30] EP (21425066.4) 2021-12-15

[21] **3,240,769**
[13] A1
[51] **Int.Cl. C07H 19/06 (2006.01) C07H 1/06 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING CEDAZURIDINE**
[54] **PROCEDE DE PREPARATION DE CEDAZURIDINE**
[72] WANG, PHYLLIS, CN
[72] HUANG, KUAN-HSUN, CN
[72] HU, TSUNG-CHENG, CN
[71] SCINOPHARM TAIWAN LTD., CN
[85] 2024-06-11
[86] 2022-12-21 (PCT/SG2022/050921)
[87] (WO2023/121566)
[30] US (63/293,765) 2021-12-25
[30] US (18/064,975) 2022-12-13

[21] **3,240,770**
[13] A1
[51] **Int.Cl. A01N 43/707 (2006.01)**
[25] EN
[54] **COMPOSITION**
[54] **COMPOSITION**
[72] NELSON, KINGSLEY HORTON, US
[72] EURE, PETER MICHAEL, US
[72] MILLER, BRETT, US
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2024-06-11
[86] 2022-12-01 (PCT/EP2022/084031)
[87] (WO2023/110426)
[30] US (63/290,929) 2021-12-17

[21] **3,240,771**
[13] A1
[51] **Int.Cl. A23K 10/18 (2016.01) A23K 20/163 (2016.01) A23K 50/30 (2016.01)**
[25] EN
[54] **METHODS OF IMPROVING THE NUTRITIONAL STATUS OF IMMUNE STRESSED ANIMALS**
[54] **PROCEDES D'AMELIORATION DE L'ETAT NUTRITIONNEL D'ANIMAUX PRESENTANT UN STRESS IMMUNITAIRE**
[72] FRIESEN, KIM, US
[72] SONG, RAN, US
[72] MUSSER, ROB, US
[71] ELANCO US INC., US
[85] 2024-06-11
[86] 2022-12-19 (PCT/US2022/081979)
[87] (WO2023/115066)
[30] US (63/290,876) 2021-12-17

[21] **3,240,772**
[13] A1
[51] **Int.Cl. C07D 405/14 (2006.01) C07D 487/04 (2006.01) C07D 487/08 (2006.01) C07D 487/10 (2006.01) C07D 491/044 (2006.01)**
[25] EN
[54] **COVALENTLY BINDING INHIBITORS OF G12S, G12D AND/OR G12E MUTANTS OF K-RAS GTPASE**
[54] **INHIBITEURS DE LIAISON COVALENTE DES MUTANTS G12S, G12D ET/OU G12E DE K-RAS GTPASE**
[72] SHOKAT, KEVAN M., US
[72] ZHANG, ZIYANG, US
[72] ZHENG, QINHENG, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2024-06-11
[86] 2022-12-21 (PCT/US2022/082136)
[87] (WO2023/122662)
[30] US (63/292,910) 2021-12-22
[30] US (63/313,040) 2022-02-23
[30] US (63/322,528) 2022-03-22

[21] **3,240,773**
[13] A1
[51] **Int.Cl. C07K 19/00 (2006.01) A61K 39/39 (2006.01) A61P 31/12 (2006.01) A61P 37/04 (2006.01) C07K 14/52 (2006.01) C12N 15/09 (2006.01)**
[25] EN
[54] **USE OF CCL11**
[54] **UTILISATION DE CCL11**
[72] QI, HAILONG, CN
[72] SUN, ZHONGJIE, CN
[72] JIANG, JIANDONG, CN
[72] LI, YUHUAN, CN
[72] YAO, YANLING, CN
[72] WANG, XUDONG, CN
[72] LIU, DEFANG, CN
[72] WANG, XIAOFANG, CN
[71] NEWISH TECHNOLOGY (BEIJING) CO., LTD., CN
[85] 2024-06-11
[86] 2022-06-06 (PCT/CN2022/097092)
[87] (WO2023/137947)
[30] CN (202210076816.7) 2022-01-24

[21] **3,240,774**
[13] A1
[51] **Int.Cl. A61K 31/4525 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **PSILOCYBIN AND AN ADJUNCTIVE SEROTONIN REUPTAKE INHIBITOR FOR USE IN THE TREATMENT OF TREATMENT-RESISTANT DEPRESSION**
[54] **PSILOCYBINE ET INHIBITEUR DE LA RECAPTURE DE LA SEROTONINE COMPLEMENTAIRE DESTINES A ETRE UTILISES DANS LE TRAITEMENT DE LA DEPRESSION RESISTANTE AU TRAITEMENT**
[72] LONDESBROUGH, DEREK JOHN, GB
[72] BROWN, CHRISTOPHER, GB
[72] NORTHEN, JULIAN SCOTT, GB
[72] MOORE, GILLIAN, GB
[72] PATIL, HEMANT KASHINATH, GB
[72] NICHOLS, DAVID E., GB
[72] CROAL, MEGAN, GB
[72] ERIKSSON, HANS AKE, GB
[72] GOLDSMITH, GEORGE, GB
[72] HICKEY, MOLLY TABITHA, GB
[72] HURLEY, SHAUN, GB
[72] MALIEVSKAIA, EKATERINA, GB
[72] MARWOOD, LINDSEY, GB
[72] MCCULLOCH, DRUMMOND E-WEN JOE, GB
[72] MEDHURST, LAURIE EMMA, GB
[72] POULSEN, NATHAN, GB
[72] SELIMBEYOGLU, ASLIHAN, GB
[72] SOULA, ANAIS, GB
[72] SHUXIANG, AMANDA TAN, GB
[72] VERAART, MANON CECILE ELISABETH, GB
[72] WHELAN, TOBIAS PATRICK, GB
[72] WILDE, LARS CHRISTIAN, GB
[72] WRIGHT, STEPHEN, GB
[71] COMPASS PATHFINDER LIMITED, GB
[85] 2024-06-11
[86] 2022-12-09 (PCT/US2022/052368)
[87] (WO2023/114097)
[30] US (63/288,938) 2021-12-13

[21] **3,240,775**
[13] A1
[51] **Int.Cl. C12P 19/12 (2006.01) A23L 33/125 (2016.01) C12P 19/14 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING HIGH PURITY GALACTO-OLIGOSACCHARIDE**
[54] **PROCEDE DE PREPARATION DE GALACTO-OLIGOSACCHARIDE DE HAUTE PURETE**
[72] VERSTEEG, MARLIES MARIA HELENA, NL
[71] FRIESLANDCAMPINA NEDERLAND HOLDING B.V., NL
[85] 2024-06-11
[86] 2023-02-23 (PCT/EP2023/054512)
[87] (WO2023/161321)
[30] EP (22158755.3) 2022-02-25

[21] **3,240,776**
[13] A1
[51] **Int.Cl. G06Q 50/02 (2012.01) G06Q 50/10 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR REMOTE IRRIGATION SYSTEM MAINTENANCE**
[54] **PROCEDE ET SYSTEME DE MAINTENANCE A DISTANCE D'UN SYSTEME D'IRRIGATION**
[72] MILLER, MARK WILLIAM, US
[71] LINDSAY CORPORATION, US
[85] 2024-06-11
[86] 2022-12-01 (PCT/US2022/080733)
[87] (WO2023/114642)
[30] US (17/549,322) 2021-12-13

[21] **3,240,777**
[13] A1
[51] **Int.Cl. G06Q 10/087 (2023.01) G06Q 10/08 (2023.01) G06N 20/00 (2019.01) G06Q 10/0631 (2023.01)**
[25] EN
[54] **MACHINE LEARNING MODEL FOR DETERMINING A TIME INTERVAL TO DELAY BATCHING DECISION FOR AN ORDER RECEIVED BY AN ONLINE CONCIERGE SYSTEM TO COMBINE ORDERS WHILE MINIMIZING PROBABILITY OF LATE FULFILLMEN**
[54] **MODELE D'APPRENTISSAGE AUTOMATIQUE PERMETTANT DE DETERMINER UN INTERVALLE DE TEMPS POUR RETARDER UNE DECISION DE MISE EN LOTS POUR UNE COMMANDE RECUE PAR UN SYSTEME DE CONCIERGERIE EN LIGNE POUR COMBINER DES COMMANDES TOUT EN REDUISANT AU MINIMUM LA PROBABILITE D'EXECUTION TARDIV**
[72] FATURECHI, REZA, US
[72] WANG, SITE, US
[72] PUTREVU, JAGANNATH, US
[71] MAPLEBEAR INC., US
[85] 2024-06-11
[86] 2022-11-03 (PCT/US2022/048759)
[87] (WO2023/149932)
[30] US (17/591,584) 2022-02-02

[21] **3,240,778**
[13] A1
[51] **Int.Cl. E01H 1/08 (2006.01)**
[25] EN
[54] **CLEANING MACHINE WITH SUCTION POWER CONTROL**
[54] **MACHINE DE NETTOYAGE A COMMANDE DE PUISSANCE D'ASPIRATION**
[72] PRINS, ROB, NL
[71] RAVO B.V., NL
[85] 2024-06-11
[86] 2022-12-09 (PCT/NL2022/050712)
[87] (WO2023/113593)
[30] NL (2030142) 2021-12-15

[21] **3,240,779**
[13] A1
[51] **Int.Cl. E01H 1/08 (2006.01) E01H 1/05 (2006.01)**
[25] EN
[54] **CLEANING MACHINE WITH IMPROVED CURB FOLLOW SYSTEM**
[54] **MACHINE DE NETTOYAGE DOTEE D'UN SYSTEME DE SUIVI DE BORDURE DE TROTTOIR AMELIORE**
[72] PRINS, ROB, NL
[71] RAVO B.V., NL
[85] 2024-06-11
[86] 2022-12-09 (PCT/NL2022/050713)
[87] (WO2023/113594)
[30] NL (2030143) 2021-12-15

[21] **3,240,780**
[13] A1
[51] **Int.Cl. C07D 471/14 (2006.01)**
[25] EN
[54] **HETEROCYCLIC COMPOUND HAVING ANTI-TUMOR ACTIVITY AND USE THEREOF**
[54] **COMPOSE HETEROCYCLIQUE AYANT UNE ACTIVITE ANTITUMORALE ET SON UTILISATION**
[72] WANG, ZHENYU, CN
[72] WANG, KUANGLEI, CN
[72] AN, HUI, CN
[72] HUA, XINXING, CN
[72] HU, JIMING, CN
[72] GAO, JUN, CN
[72] LI, ZIZHEN, CN
[72] FAN, LIXUE, CN
[72] YANG, YINPING, CN
[72] ZHU, XINGBO, CN
[71] CSPC ZHONGQI PHARMACEUTICAL TECHNOLOGY (SHIJIAZHUANG) CO., LTD., CN
[85] 2024-06-11
[86] 2022-12-16 (PCT/CN2022/139447)
[87] (WO2023/109929)
[30] CN (202111561282.9) 2021-12-17
[30] CN (202210634934.5) 2022-06-07

[21] **3,240,781**
[13] A1
[51] **Int.Cl. C07K 19/00 (2006.01) A61K 38/16 (2006.01) A61K 48/00 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **TRANSGENIC EXPRESSION CASSETTE FOR TREATING MUSCULAR DYSTROPHY**
[54] **CASSETTE D'EXPRESSION TRANSGENIQUE POUR LE TRAITEMENT DE LA DYSTROPHIE MUSCULAIRE**
[72] YAN, MENGDI, CN
[72] WU, XIA, CN
[72] XIAO, XIAO, CN
[72] ZHENG, JING, CN
[72] DU, ZENGMIN, CN
[72] JIANG, WEI, CN
[72] CHEN, HUI, CN
[72] WANG, LIQUN, CN
[72] WANG, HUI, CN
[71] SHANGHAI MYGT BIOPHARMACEUTICAL LLC, CN
[85] 2024-06-11
[86] 2022-12-01 (PCT/CN2022/135805)
[87] (WO2023/124741)
[30] CN (202111642563.7) 2021-12-29

[21] **3,240,782**
[13] A1
[51] **Int.Cl. C12Q 1/6886 (2018.01) A61K 45/06 (2006.01)**
[25] EN
[54] **CLUSTERED MUTATIONS FOR THE TREATMENT OF CANCER**
[54] **MUTATIONS REGROUPEES POUR LE TRAITEMENT DU CANCER**
[72] ALEXANDROV, LUDMIL B., US
[72] BERGSTROM, ERIK N., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2024-06-11
[86] 2022-12-13 (PCT/US2022/052745)
[87] (WO2023/114231)
[30] US (63/289,601) 2021-12-14

[21] **3,240,783**
[13] A1
[51] **Int.Cl. G21F 9/06 (2006.01) A61N 5/00 (2006.01) C02F 1/52 (2006.01) G21G 1/04 (2006.01)**
[25] EN
[54] **METHODS OF USING AND CONVERTING RECOVERED RADIUM**
[54] **PROCEDES D'UTILISATION ET DE CONVERSION DE RADIUM RECUPERE**
[72] MUSALE, DEEPAK A., US
[71] EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY, US
[85] 2024-06-11
[86] 2022-11-17 (PCT/US2022/080019)
[87] (WO2023/114602)
[30] US (63/265,419) 2021-12-15

[21] **3,240,785**
[13] A1
[51] **Int.Cl. C01B 3/38 (2006.01) C01B 3/48 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING HYDROGEN AND METHOD OF RETROFITTING A HYDROGEN PRODUCTION UNIT**
[54] **PROCEDE DE PRODUCTION D'HYDROGENE ET METHODE DE MODERNISATION D'UNE UNITE DE PRODUCTION D'HYDROGENE**
[72] BRIGGS, KENDRA, US
[72] CHRISTIE, ROBERT, GB
[72] JOHNSON, ANDREW, GB
[72] LINTHWAITE, MARK ANDREW, GB
[72] PACH, JOHN DAVID, GB
[72] SMITH, HEATHER, GB
[71] JOHNSON MATTHEY PUBLIC LIMITED COMPANY, GB
[85] 2024-06-12
[86] 2023-03-06 (PCT/GB2023/050517)
[87] (WO2023/170389)
[30] US (63/269,195) 2022-03-11
[30] GB (2204042.2) 2022-03-23

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[13] A1
[51] **Int.Cl. A23K 10/30 (2016.01) A23K 40/25 (2016.01) A23P 30/20 (2016.01) A23J 3/14 (2006.01) A23J 3/26 (2006.01)**
[25] EN
[54] **EXTRUDED FOOD PIECES HAVING A ROUGH TEXTURED SURFACE AND METHODS OF MAKING**
[54] **MORCEAUX D?ALIMENT EXTRUDES A SURFACE TEXTUREE RUGUEUSE ET PROCEDES DE FABRICATION**
[72] WALTHER, GOERAN, US
[72] EMIN, AZAD, DE
[72] WITTEK, PATRICK, DE
[71] GENERAL MILLS, INC., US
[85] 2024-06-12
[86] 2022-01-05 (PCT/US2022/011220)
[87] (WO2023/132820)

[21] **3,240,788**
[13] A1
[51] **Int.Cl. C03B 7/084 (2006.01) C03B 7/086 (2006.01) C03B 7/088 (2006.01) C03B 7/092 (2006.01) C03B 7/096 (2006.01) C03B 7/098 (2006.01) C03B 7/10 (2006.01) C03B 7/14 (2006.01)**
[25] EN
[54] **MULTIPLE GOB FEEDER, GOB FEEDING METHOD AND RELATED SYSTEM, AND FEEDER ORIFICE**
[54] **DISPOSITIF D'ALIMENTATION EN PARAISONS MULTIPLES, PROCEDE D'ALIMENTATION EN PARAISONS ET SYSTEME ASSOCIE, ET ORIFICE DE DISPOSITIF D'ALIMENTATION**
[72] ANDERSON, WALTER, US
[72] REYES, JAVIER, US
[72] HOLMES-LIBBIS, JOHN, US
[72] ALTENDORFER, BERNHARD, DE
[72] FULLER, ALEXANDRA, DE
[71] OWENS-BROCKWAY GLASS CONTAINER INC., US
[85] 2024-06-12
[86] 2023-02-25 (PCT/US2023/013900)
[87] (WO2023/164188)
[30] US (63/313,983) 2022-02-25

[21] **3,240,791**
[13] A1
[51] **Int.Cl. C10G 33/02 (2006.01) C02F 1/36 (2006.01) C10G 33/04 (2006.01) C10G 33/06 (2006.01)**
[25] EN
[54] **FUEL OIL RECLAMATION**
[54] **RECUPERATION D'HUILE COMBUSTIBLE**
[72] REDMAN, JAMES, ZA
[72] CLARK, DAN, GB
[71] SULNOX GROUP PLC, GB
[85] 2024-06-12
[86] 2022-12-13 (PCT/EP2022/085716)
[87] (WO2023/110938)
[30] GB (2118030.2) 2021-12-13

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[13] A1
[51] **Int.Cl. D21H 17/20 (2006.01) D21H 21/16 (2006.01)**
[25] EN
[54] **A METHOD FOR IMPROVING GREASE AND OIL RESISTANCE OF A FIBER BASED ARTICLE**
[54] **PROCEDE D'AMELIORATION DE LA RESISTANCE A LA GRAISSE ET A L'HUILE D'UN ARTICLE A BASE DE FIBRES**
[72] KVIST, MARKUS, FI
[72] PUTTONEN, SAMI, FI
[72] ROBERTSEN, LEIF, FI
[72] HIETANIEMI, MATTI, FI
[71] KEMIRA OYJ, FI
[85] 2024-06-12
[86] 2022-12-01 (PCT/FI2022/050803)
[87] (WO2023/118645)
[30] FI (20216324) 2021-12-22

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[13] A1
[51] **Int.Cl. C22B 3/06 (2006.01) C22B 3/46 (2006.01) C22B 15/00 (2006.01)**
[25] EN
[54] **A METHOD FOR IRON AND COPPER REMOVAL FROM SOLUTION USING METALLIC REAGENTS**
[54] **PROCEDE D'ELIMINATION DE FER ET DE CUIVRE A PARTIR D'UNE SOLUTION A L'AIDE DE REACTIFS METALLIQUES**
[72] KLAASEN, BART, BE
[71] UMICORE, BE
[85] 2024-05-27
[86] 2022-11-29 (PCT/EP2022/083560)
[87] (WO2023/099424)
[30] EP (21211405.2) 2021-11-30

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[13] A1
[51] **Int.Cl. C08F 4/659 (2006.01) C08F 210/16 (2006.01) C08J 5/18 (2006.01) C08L 23/08 (2006.01)**
[25] EN
[54] **METHOD TO IMPROVE THE OPTICAL PROPERTIES OF ETHYLENE COPOLYMER COMPOSITIONS**
[54] **PROCEDE D'AMELIORATION DES PROPRIETES OPTIQUES DE COMPOSITIONS DE COPOLYMERE D'ETHYLENE**
[72] KONAGANTI, VINOD, CA
[72] KASIRI, SEPIDEH, CA
[71] NOVA CHEMICALS CORPORATION, CA
[85] 2024-05-27
[86] 2023-01-13 (PCT/IB2023/050321)
[87] (WO2023/139458)
[30] US (63/301,445) 2022-01-20

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[13] A1
[51] **Int.Cl. C25B 9/23 (2021.01) C25B 9/65 (2021.01) C25B 9/73 (2021.01) C25B 9/77 (2021.01) C25B 1/04 (2021.01)**
[25] EN
[54] **LOW IMPEDANCE ELECTRICAL CONNECTIONS FOR ELECTROCHEMICAL CELLS**
[54] **CONNEXIONS ELECTRIQUES A FAIBLE IMPEDANCE POUR CELLULES ELECTROCHIMIQUES**
[72] NANCHUNG, TENZIN, US
[72] EAGLESHAM, DAVID, US
[72] DANILOVIC, NEMANJA, US
[72] TRIVEDI, JIGISH, US
[71] ELECTRIC HYDROGEN CO., US
[85] 2024-06-12
[86] 2022-12-21 (PCT/US2022/053644)
[87] (WO2023/129446)
[30] US (63/294,492) 2021-12-29

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[13] A1
[51] **Int.Cl. E21B 7/06 (2006.01) E21B 23/01 (2006.01) E21B 43/10 (2006.01)**
[25] EN
[54] **MULTI PASS TWO-PART DRILLING/RUNNING AND ACTIVATION TOOL**
[54] **OUTIL DE FORAGE/EXPLOITATION ET D'ACTIVATION EN DEUX PARTIES ET A PASSAGES MULTIPLES**
[72] LAJESIC, BORISA, NO
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2024-05-27
[86] 2022-12-20 (PCT/US2022/081994)
[87] (WO2023/158517)
[30] US (63/311,502) 2022-02-18
[30] US (18/083,888) 2022-12-19

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[13] A1
[51] **Int.Cl. B60L 3/00 (2019.01) B62D 37/00 (2006.01) B62D 51/00 (2006.01) B62K 3/00 (2006.01) B62K 11/00 (2013.01)**
[25] EN
[54] **ROBOTIC CART**
[54] **CHARIOT ROBOTISE**
[72] BROOKS, RODNEY ALLEN, US
[72] JULES, ANTHONY SEAN, US
[72] TAKAYAMA, LEILA, US
[71] ROBUST AI, INC., US
[85] 2024-05-27
[86] 2022-11-15 (PCT/US2022/079883)
[87] (WO2023/102319)
[30] US (17/538,668) 2021-11-30

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[13] A1
[51] **Int.Cl. A61F 2/26 (2006.01) A61F 2/00 (2006.01)**
[25] EN
[54] **IMPLANTABLE INFLATABLE DEVICE HAVING A FILTER**
[54] **DISPOSITIF GONFLABLE IMPLANTABLE AYANT UN FILTRE**
[72] NOLAN, DARAGH, IE
[72] SINNOTT, THOMAS, IE
[72] PERCY, RICHARD, IE
[72] ENGLISH, JAMES MICHAEL, IE
[72] SOFFIATI, BARBARA BELISA, IE
[72] WATSCHKE, BRIAN P., US
[72] SMITH, NOEL, IE
[72] MARCOS LARANGEIRA, EDUARDO, IE
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2024-05-27
[86] 2022-12-20 (PCT/US2022/082041)
[87] (WO2023/122607)
[30] US (63/265,810) 2021-12-21
[30] US (18/068,081) 2022-12-19

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[13] A1
[25] EN
[54] **RECYCLABLE RESEALABLE LAMINATE STRUCTURE**
[54] **STRUCTURE STRATIFIEE REFERMABLE RECYCLABLE**
[72] HUFFER, SCOTT WILLIAM, US
[72] TAYLOR, DONALD, US
[71] SONOCO DEVELOPMENT, INC., US
[85] 2024-06-12
[86] 2023-01-12 (PCT/US2023/010691)
[87] (WO2023/137116)
[30] US (63/299,224) 2022-01-13

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[13] A1
[51] **Int.Cl. B60L 53/62 (2019.01) B60L 53/66 (2019.01)**
[25] EN
[54] **CHARGING MANAGEMENT FOR ELECTRIC WORK VEHICLES WITH VEHICLE-TO-VEHICLE NEGOTIATION**
[54] **GESTION DE CHARGE POUR VEHICULES DE TRAVAIL ELECTRIQUES AVEC NEGOCIATION DE VEHICULE A VEHICULE**
[72] TWIGGER, THOMAS L., US
[71] CATERPILLAR INC., US
[85] 2024-05-27
[86] 2022-11-22 (PCT/US2022/080306)
[87] (WO2023/102335)
[30] GB (2117525.2) 2021-12-03

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[13] A1
[51] **Int.Cl. G05D 16/06 (2006.01)**
[25] EN
[54] **FLUID REGULATOR WITH IMPROVED PRESSURE CONTROL**
[54] **REGULATEUR DE FLUIDE A COMMANDE DE PRESSION AMELIOREE**
[72] COCKSHOTT, ANTONY, AU
[72] WHAN, PETER, AU
[71] LANDIS+GYR TECHNOLOGY, INC., US
[85] 2024-06-12
[86] 2021-12-16 (PCT/US2021/063911)
[87] (WO2023/113807)

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[13] A1
[51] **Int.Cl. C12N 15/11 (2006.01) C07K 14/54 (2006.01) C12N 15/62 (2006.01) C12N 15/09 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR EXPRESSION OF IL-12 AND IL-1RA**
[54] **COMPOSITIONS ET PROCEDES D'EXPRESSION D'IL-12 ET D'IL-1RA**
[72] WANG, NATHANIEL STEPHEN, US
[72] MIYAKE-STONER, SHIGEKI JOSEPH, US
[72] ALIAHMAD, PARINAZ, US
[71] REPLICATE BIOSCIENCE, INC., US
[85] 2024-05-27
[86] 2022-11-28 (PCT/US2022/080521)
[87] (WO2023/097318)
[30] US (17/537,211) 2021-11-29

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[13] A1
[51] **Int.Cl. C07K 7/64 (2006.01) A61K 47/50 (2017.01) A61K 47/54 (2017.01) A61K 47/61 (2017.01) A61K 47/62 (2017.01) A61K 47/65 (2017.01) A61K 47/68 (2017.01) A61K 38/12 (2006.01) A61P 35/00 (2006.01) C07K 7/00 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **MODIFIED AMATOXINS AND USES THEREOF**
[54] **AMATOXINES MODIFIEES ET LEURS UTILISATIONS**
[72] PERRIN, DAVID, CA
[72] TODOROVIC, MIHAJLO, US
[72] NEWELL, KAYLA C., CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2024-05-28
[86] 2022-12-02 (PCT/CA2022/051775)
[87] (WO2023/097407)
[30] US (63/285,414) 2021-12-02

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[13] A1
[51] **Int.Cl. A47F 1/12 (2006.01) A47B 57/58 (2006.01) A47F 3/00 (2006.01)**
[25] EN
[54] **MERCHANDISE SECURITY SYSTEM**
[54] **SYSTEME DE SECURITE POUR MARCHANDISE**
[72] HUA, YUN, US
[71] FASTENERS FOR RETAIL, INC., US
[85] 2024-05-27
[86] 2022-12-05 (PCT/US2022/080893)
[87] (WO2023/107876)
[30] US (63/265,000) 2021-12-06
[30] US (18/061,554) 2022-12-05

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[13] A1
[51] **Int.Cl. C11D 1/02 (2006.01) C11D 3/37 (2006.01) C11D 17/06 (2006.01) D06M 15/11 (2006.01) D06M 15/21 (2006.01)**
[25] EN
[54] **CONCENTRATED DISSOLVABLE FABRIC SOFTENER SHEETS**
[54] **FEUILLES DISSOLUBLES D'ADOUCISSANT CONCENTRE**
[72] DOUCET, ETIENNE, CA
[72] DABOVE, DANIEL ALBERTO CARBO, CA
[72] ROBICHAUD, MICHEL, CA
[71] DIZOLVE GROUP CORPORATION, CA
[85] 2024-06-12
[86] 2023-11-17 (PCT/CA2023/051549)
[87] (WO2024/108296)
[30] US (63/426,807) 2022-11-21
[30] US (63/461,617) 2023-04-25

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[13] A1
[51] **Int.Cl. C07D 401/12 (2006.01)**
[25] EN
[54] **PYRIMIDINE OR PYRIDINE DERIVATIVE AND PHARMACEUTICAL USE THEREOF**
[54] **DERIVE DE PYRIMIDINE OU DE PYRIDINE ET SON UTILISATION MEDICINALE**
[72] ZHANG, HAISHENG, CN
[72] ZHUO, SHU, CN
[72] HU, YABING, CN
[72] DAI, CHANGGUI, CN
[72] CHENG, HUIMIN, CN
[72] NIU, CHUNYI, CN
[72] FANG, LEI, CN
[72] CHEN, YU, CN
[71] SIGNET THERAPEUTICS INC., CN
[85] 2024-06-12
[86] 2022-12-12 (PCT/CN2022/138383)
[87] (WO2023/109751)
[30] CN (202111522765.8) 2021-12-13

[21] **3,240,811**
[13] A1
[51] **Int.Cl. A24B 3/14 (2006.01) A24D 1/20 (2020.01)**
[25] EN
[54] **AEROSOL-GENERATING COMPOSITIONS**
[54] **COMPOSITIONS DE GENERATION D'AEROSOL**
[72] HEPWORTH, RICHARD, GB
[72] MENDONCA, KAYSTER, GB
[72] AOUN, WALID ABI, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2024-06-12
[86] 2022-12-09 (PCT/GB2022/053166)
[87] (WO2023/111525)
[30] GB (2117953.6) 2021-12-13

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[13] A1
[51] **Int.Cl. C12Q 1/686 (2018.01) C12Q 1/6869 (2018.01) C12Q 1/6876 (2018.01)**
[25] EN
[54] **QUALITY CONTROL FOR REPORTER SCREENING ASSAYS**
[54] **CONTROLE QUALITE POUR LES DOSAGES DE CRIBLAGE DE RAPPORTEURS**
[72] BARGER, CARTER, US
[72] KOSURI, SRIRAM, US
[72] SIMPKINS, SCOTT, US
[72] TANG, JEFFREY, US
[71] OCTANT, INC., US
[85] 2024-06-12
[86] 2022-12-20 (PCT/US2022/053472)
[87] (WO2023/122068)
[30] US (63/292,841) 2021-12-22

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[13] A1
[51] **Int.Cl. B65G 43/08 (2006.01) B65B 5/10 (2006.01) B65G 57/03 (2006.01) B65G 57/06 (2006.01) B65G 57/16 (2006.01) B65G 69/16 (2006.01) B65G 1/04 (2006.01)**
[25] EN
[54] **AUTOMATED CONTAINER LOADER**
[54] **CHARGEUR AUTOMATISE DE RECIPIENT**
[72] WESTWOOD, PAUL, GB
[71] OCADO INNOVATION LIMITED, GB
[85] 2024-05-28
[86] 2022-11-28 (PCT/EP2022/083540)
[87] (WO2023/094672)
[30] GB (2117215.0) 2021-11-29

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[13] A1
[51] **Int.Cl. A61J 1/10 (2006.01) A61J 1/20 (2006.01)**
[25] EN
[54] **MULTI-CHAMBER BAG FOR PARENTERAL NUTRITION SOLUTIONS**
[54] **POCHE A CHAMBRES MULTIPLES POUR SOLUTIONS DE NUTRITION PARENTERALE**
[72] DESBROSSES, FREDDY, BE
[72] PADULA, PIERPAOLO, BE
[72] BEZIN, JEAN-CLAUDE, BE
[72] DEMULIER, MARIN, BE
[71] BAXTER INTERNATIONAL INC., US
[71] BAXTER HEALTHCARE SA, CH
[85] 2024-05-27
[86] 2022-12-06 (PCT/US2022/080970)
[87] (WO2023/107913)
[30] US (17/543,933) 2021-12-07

[21] **3,240,816**
[13] A1
[51] **Int.Cl. C07C 229/16 (2006.01)**
[25] EN
[54] **CATIONIC LIPID COMPOUND, COMPOSITION CONTAINING SAME AND USE THEREOF**
[54] **COMPOSE LIPIDIQUE CATIONIQUE, COMPOSITION LE CONTENANT ET SON UTILISATION**
[72] SONG, GENGSHEN, CN
[72] WANG, HUANYU, CN
[72] ZHANG, HONGLEI, CN
[72] CHEN, XICHAO, CN
[72] YU, XIAOWEN, CN
[72] HUANG, DAWEI, CN
[71] HANGZHOU TIANLONG PHARMACEUTICAL CO., LTD., CN
[85] 2024-06-12
[86] 2022-01-27 (PCT/CN2022/074153)
[87] (WO2023/133946)
[30] CN (202210034449.4) 2022-01-13

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[13] A1
[51] **Int.Cl. G06N 3/08 (2023.01) G06N 20/10 (2019.01) G06N 20/20 (2019.01) G06N 3/04 (2023.01) G06N 5/00 (2023.01)**
[25] EN
[54] **COMPUTERIZED METHOD FOR DETERMINING THE RELIABILITY OF A PREDICTION OUTPUT OF A PREDICTION MODEL**
[54] **PROCEDE INFORMATISE POUR DETERMINER LA FIABILITE D'UNE SORTIE DE PREDICTION D'UN MODELE DE PREDICTION**
[72] VINCON, NATHAN, FR
[72] MOREL, LOUIS-OSCAR, FR
[71] UMMON HEALTHTECH, FR
[85] 2024-05-28
[86] 2022-12-28 (PCT/EP2022/087967)
[87] (WO2023/126448)
[30] EP (21218258.8) 2021-12-30

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[13] A1
[51] **Int.Cl. A61K 47/69 (2017.01)**
[25] EN
[54] **AQUEOUS SOLUTION COMPRISING A GLUTATHIONE SALT**
[54] **SOLUTION AQUEUSE COMPRENANT UN SEL DE GLUTATHION**
[72] DELANEY, EDWARD J., US
[72] DURHAM, CAROLYN, US
[72] COPELAND, DANIEL W., US
[71] RENOVION, INC., US
[85] 2024-06-12
[86] 2023-01-04 (PCT/US2023/010081)
[87] (WO2023/133117)
[30] US (63/296,405) 2022-01-04

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[13] A1
[51] **Int.Cl. A24D 1/02 (2006.01) A24D 3/02 (2006.01) A24D 3/04 (2006.01)**
[25] EN
[54] **A COMPONENT FOR AN ARTICLE FOR USE IN OR AS AN AEROSOL PROVISION SYSTEM**
[54] **COMPOSANT POUR UN ARTICLE DESTINE A ETRE UTILISE DANS OU EN TANT QUE SYSTEME DE FOURNITURE D'AEROSOL**
[72] GRISHCHENKO, ANDREI, GB
[72] KABIRAT, JUNIOR, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2024-06-12
[86] 2022-12-14 (PCT/GB2022/053219)
[87] (WO2023/111553)
[30] GB (2118180.5) 2021-12-15

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[13] A1
[51] **Int.Cl. C12N 15/09 (2006.01) C12N 15/113 (2010.01) A01H 6/00 (2018.01) A01H 5/00 (2018.01) C07K 14/415 (2006.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/11 (2006.01) C12N 15/29 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **METHODS FOR IMPROVING FLORET FERTILITY AND SEED YIELD**
[54] **PROCEDES D'AMELIORATION DE LA FERTILITE DU FLEURON ET DU RENDEMENT EN GRAINES**
[72] MILLER, MARISA, US
[72] O'CONNOR, DEVIN, US
[71] PAIRWISE PLANTS SERVICES, INC., US
[85] 2024-05-27
[86] 2022-12-08 (PCT/US2022/081129)
[87] (WO2023/108035)
[30] US (63/287,610) 2021-12-09

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[13] A1
[51] **Int.Cl. G01N 33/76 (2006.01) G01N 33/78 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETERMINING UCH-L1, GFAP, AND OTHER BIOMARKERS IN BLOOD SAMPLES**
[54] **SYSTEMES ET PROCEDES DE DETERMINATION D'UCH-L1, DE GFAP ET D'AUTRES BIOMARQUEURS DANS DES ECHANTILLONS DE SANG**
[72] LEE, TONY, US
[72] KARABATSOS, PETER, US
[72] SCHAPALS, ANDREW, US
[72] VIRTANEN, ANTTI, US
[72] MCQUISTON, BETH, US
[72] JEFFREY, CRAIG A., US
[72] MARINO, JAIME, US
[72] CHANDRAN, RAJ, US
[72] DATWYLER, SAUL, US
[72] TAYLOR, ALISON, US
[71] ABBOTT LABORATORIES, US
[85] 2024-06-12
[86] 2022-12-16 (PCT/US2022/081763)
[87] (WO2023/114978)
[30] US (63/291,287) 2021-12-17
[30] US (63/308,287) 2022-02-09
[30] US (63/309,031) 2022-02-11
[30] US (63/309,033) 2022-02-11
[30] US (63/333,836) 2022-04-22
[30] US (63/333,841) 2022-04-22
[30] US (63/402,115) 2022-08-30
[30] US (63/402,132) 2022-08-30
[30] US (63/423,118) 2022-11-07

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[13] A1
[51] **Int.Cl. G01R 1/20 (2006.01)**
[25] EN
[54] **ELECTRICITY METER**
[54] **COMPTEUR ELECTRIQUE**
[72] WITTY, ANDREW, GB
[72] ADAM, JOSEPH, GB
[72] CANTOR, MICHAEL, GB
[72] HAWKESFORD, JAMES, GB
[72] PIAZZA, VINCENZO, GB
[71] SENSUS SPECTRUM LLC., US
[85] 2024-06-12
[86] 2022-12-20 (PCT/GB2022/053329)
[87] (WO2023/118856)
[30] GB (2119016.0) 2021-12-24

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[13] A1
[51] **Int.Cl. C09J 197/00 (2006.01) C08H 8/00 (2010.01) B27N 1/02 (2006.01) B27N 3/00 (2006.01) B32B 21/00 (2006.01) C07D 307/44 (2006.01) C07D 307/48 (2006.01) C08G 59/40 (2006.01) C08K 5/06 (2006.01) C08K 5/07 (2006.01) C08K 5/1535 (2006.01) C09J 4/00 (2006.01) C09J 163/00 (2006.01) C09J 201/00 (2006.01) C08L 63/00 (2006.01) C08L 97/00 (2006.01) C09D 4/00 (2006.01) C09D 163/00 (2006.01) C09D 197/00 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF A BONDING RESIN**
[54] **PROCEDE DE PREPARATION D'UNE RESINE DE LIAISON**
[72] ZAFAR, ASHAR, SE
[72] ALMQVIST, DAVID, SE
[72] ARESKOGH, DIMITRI, SE
[72] PHAM, HUYNH TRAM ANH, SE
[71] STORA ENSO OYJ, FI
[85] 2024-05-28
[86] 2022-12-19 (PCT/IB2022/062447)
[87] (WO2023/119106)
[30] SE (2151566-3) 2021-12-21

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[13] A1
[51] **Int.Cl. C09D 129/14 (2006.01)**
[25] FR
[54] **COMPOSITION FOR A LIQUID SEALING SYSTEM**
[54] **COMPOSITION POUR SYSTEME D'ETANCHEITE LIQUIDE**
[72] TEULERE, CORALIE, FR
[72] LACOMBE, JEREMIE, FR
[72] ROUABAH, ICHAM, FR
[71] SAINT-GOBAIN WEBER FRANCE, FR
[85] 2024-06-12
[86] 2023-01-18 (PCT/EP2023/051130)
[87] (WO2023/139123)
[30] FR (FR2200459) 2022-01-19

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[13] A1
[51] **Int.Cl. A61L 27/36 (2006.01) A61L 26/00 (2006.01) A61L 27/38 (2006.01)**
[25] EN
[54] **MICROGELS, METHODS OF MAKING MICROGELS AND METHODS OF USING MICROGELS**
[54] **MICROGELS, PROCEDES DE FABRICATION DE MICROGELS ET PROCEDES D'UTILISATION DE MICROGELS**
[72] SAWYER, WALLACE GREGORY, US
[72] SUMERLIN, BRENT S., US
[72] NGUYEN, DUY T., US
[72] BOWMAN, JARED IAN, US
[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC., US
[85] 2024-05-27
[86] 2022-12-16 (PCT/US2022/081792)
[87] (WO2023/122497)
[30] US (63/291,531) 2021-12-20

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[13] A1
[51] **Int.Cl. D04H 1/4218 (2012.01) D04H 1/541 (2012.01) D04H 1/542 (2012.01) C03C 25/1025 (2018.01)**
[25] FR
[54] **INSULATING MATERIAL COMPRISING THERMOPLASTIC FIBRES, GLASS FIBRES AND A COUPLING AGENT**
[54] **MATERIAU D'ISOLATION COMPRENANT DES FIBRES THERMOPLASTIQUES, DES FIBRES DE VERRE ET UN AGENT DE COUPLAGE**
[72] SENECHAL, VINCENT, FR
[72] PAILLARD, GUILLAUME, FR
[71] SAINT-GOBAIN ISOVER, FR
[85] 2024-06-12
[86] 2023-01-24 (PCT/FR2023/050092)
[87] (WO2023/144486)
[30] FR (FR2200664) 2022-01-26

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[13] A1
[51] **Int.Cl. B60L 53/12 (2019.01) H02J 50/12 (2016.01)**
[25] EN
[54] **CHARGING FREQUENCY DETERMINATION FOR WIRELESS POWER TRANSFER**
[54] **DETERMINATION DE LA FREQUENCE DE CHARGE POUR LE TRANSFERT D'ENERGIE SANS FIL**
[72] MAGNER, CHRISTOPHER A., US
[71] INDUCTEV, INC., US
[85] 2024-05-28
[86] 2022-11-16 (PCT/US2022/050157)
[87] (WO2023/107256)
[30] US (17/643,764) 2021-12-10

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[13] A1
[51] **Int.Cl. A01J 5/04 (2006.01) A01J 11/06 (2006.01)**
[25] EN
[54] **MILKING DEVICE, MILK FILTER AND FILTER CARTRIDGE**
[54] **DISPOSITIF DE TRAITE, FILTRE A LAIT ET CARTOUCHE DE FILTRE**
[72] MOSTERT, GERARD, NL
[71] LELY PATENT N.V., NL
[85] 2024-05-28
[86] 2022-12-15 (PCT/IB2022/062304)
[87] (WO2023/119083)
[30] NL (2030195) 2021-12-20

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[51] **Int.Cl. D04H 1/56 (2006.01) D04H 1/4291 (2012.01) B32B 5/26 (2006.01) A41D 13/11 (2006.01) A61K 8/02 (2006.01) B01D 39/16 (2006.01)**
[25] EN
[54] **NONWOVEN FABRICS INCLUDING RECYCLED POLYPROPYLENE**
[54] **TISSUS NON TISSES COMPRENANT DU POLYPROPYLENE RECYCLE**
[72] MALOCHO, MIRIAM, DE
[72] HARZ, PATRICK, DE
[71] BERRY GLOBAL, INC., US
[85] 2024-05-28
[86] 2022-11-29 (PCT/US2022/051185)
[87] (WO2023/101940)
[30] US (63/284,064) 2021-11-30

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[13] A1
[51] **Int.Cl. D21H 21/16 (2006.01) D21H 17/37 (2006.01)**
[25] EN
[54] **A METHOD FOR IMPROVING GREASE AND OIL RESISTANCE OF A FIBER BASED ARTICLE**
[54] **PROCEDE D'AMELIORATION DE LA RESISTANCE A LA GRAISSE ET A L'HUILE D'UN ARTICLE A BASE DE FIBRES**
[72] KVIST, MARKUS, FI
[72] PUTTONEN, SAMI, FI
[72] STRENGELL, KIMMO, FI
[72] ROBERTSEN, LEIF, FI
[72] HIETANIEMI, MATTI, FI
[71] KEMIRA OYJ, FI
[85] 2024-06-12
[86] 2022-12-01 (PCT/FI2022/050804)
[87] (WO2023/118646)
[30] FI (20216325) 2021-12-22

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[13] A1
[51] **Int.Cl. B65D 1/00 (2006.01) B65D 1/32 (2006.01) B65D 35/08 (2006.01)**
[25] EN
[54] **SQUEEZE CONTAINER**
[54] **RECIPIENT COMPRESSIBLE**
[72] NABETA, MUNEAKI, JP
[72] MATSUSHITA, YOSHIHIRO, JP
[72] SHUTO, NOBUYASU, JP
[72] OHNISHI, KENJI, JP
[71] TAISEI KAKO CO., LTD., JP
[85] 2024-05-28
[86] 2022-11-14 (PCT/JP2022/042250)
[87] (WO2023/100633)
[30] JP (2021-196937) 2021-12-03

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[13] A1
[51] **Int.Cl. A61M 1/28 (2006.01)**
[25] EN
[54] **PREDICTING ULTRAFILTRATION VOLUME IN PERITONEAL DIALYSIS PATIENTS**
[54] **PREDICTION DE VOLUME D'ULTRAFILTRATION CHEZ LES PATIENTS SOUS DIALYSE PERITONEALE**
[72] KOTANKO, PETER, US
[72] ROSALES, LAURA, US
[72] ZHU, FANSAN, US
[72] YI, JUN, US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2024-05-28
[86] 2022-11-30 (PCT/US2022/051326)
[87] (WO2023/102003)
[30] US (63/284,131) 2021-11-30

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[13] A1
[51] **Int.Cl. B21D 26/033 (2011.01)**
[25] EN
[54] **ELECTRIC HEATING DEVICE, MOLDING DEVICE, AND ELECTRIC HEATING METHOD**
[54] **DISPOSITIF DE CHAUFFAGE ELECTRIQUE, DISPOSITIF DE MOULAGE ET PROCEDE DE CHAUFFAGE ELECTRIQUE**
[72] IDE, AKIHIRO, JP
[72] NOGIWA, KIMIHIRO, JP
[72] ISHIZUKA, MASAYUKI, JP
[71] SUMITOMO HEAVY INDUSTRIES, LTD., JP
[85] 2024-05-28
[86] 2023-02-07 (PCT/JP2023/004063)
[87] (WO2023/166927)
[30] JP (2022-031928) 2022-03-02

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[13] A1
[51] **Int.Cl. C10L 1/196 (2006.01) C10L 1/238 (2006.01) C10L 10/06 (2006.01)**
[25] EN
[54] **FUEL COMPOSITIONS**
[54] **COMPOSITIONS DE CARBURANT**
[72] REID, JACQUELINE, GB
[72] BROOM, NIGEL JOHN, GB
[72] CROSS, ADELE, GB
[72] ROBERTS, MARTIN, GB
[72] ROSS, ALAN, GB
[71] INNOSPEC LIMITED, GB
[85] 2024-06-12
[86] 2022-12-14 (PCT/GB2022/053214)
[87] (WO2023/111549)
[30] GB (2118107.8) 2021-12-14

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[13] A1
[51] **Int.Cl. H01M 4/36 (2006.01) H01M 4/1391 (2010.01) H01M 4/505 (2010.01) H01M 4/525 (2010.01) H01M 10/052 (2010.01) C01G 53/00 (2006.01) H01M 4/04 (2006.01) H01M 4/38 (2006.01) H01M 4/48 (2010.01) H01M 4/62 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING LITHIUM SECONDARY BATTERY AND LITHIUM SECONDARY BATTERY MANUFACTURED THEREBY**
[54] **PROCEDE DE FABRICATION DE BATTERIE SECONDAIRE AU LITHIUM, ET BATTERIE SECONDAIRE AU LITHIUM AINSI FABRIQUEE**
[72] BAEK, SO RA, KR
[72] PARK, KANG JOON, KR
[72] JUNG, WANG MO, KR
[72] PARK, SIN YOUNG, KR
[72] HUR, HYUCK, KR
[72] KIM, DONG HWI, KR
[72] KWAK, MIN, KR
[72] CHAE, SEUL KI, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-28
[86] 2022-12-21 (PCT/KR2022/020951)
[87] (WO2023/121288)
[30] KR (10-2021-0186454) 2021-12-23

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[13] A1
[51] **Int.Cl. B60R 11/06 (2006.01) B60P 3/14 (2006.01) B60R 9/00 (2006.01) B60R 9/02 (2006.01)**
[25] EN
[54] **MODULAR TRUCK SERVICE BODY**
[54] **CARROSSERIE-ATELIER DE CAMION MODULAIRE**
[72] ELOFF, JOHANN PIETER, US
[72] ULLAL, PUSHPARAJ SANJEEVA, US
[71] THE SHYFT GROUP, INC., US
[85] 2024-05-28
[86] 2022-11-30 (PCT/US2022/051370)
[87] (WO2023/102026)
[30] US (63/284,065) 2021-11-30

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[51] **Int.Cl. A61J 17/00 (2006.01) A61M 15/00 (2006.01) A61J 11/02 (2006.01)**
[25] EN
[54] **PACIFIER**
[54] **SUCETTE**
[72] THELIN, LARS, SE
[72] BOKVIST, FREDRIK, SE
[71] VIVOLAB AB, SE
[85] 2024-05-28
[86] 2022-11-29 (PCT/SE2022/051116)
[87] (WO2023/106984)
[30] SE (2151518-4) 2021-12-10

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[13] A1
[51] **Int.Cl. G01N 9/36 (2006.01) G01N 15/14 (2024.01) G01N 33/483 (2006.01)**
[25] EN
[54] **SINGLE-CELL DENSITY AS A BIOMARKER FOR DRUG SENSITIVITY**
[54] **DENSITE DE CELLULE INDIVIDUELLE EN TANT QUE BIOMARQUEUR POUR LA SENSIBILITE AUX MEDICAMENTS**
[72] MANALIS, SCOTT R., US
[72] LIGON, KEITH, US
[72] WU, WEIDA, US
[72] MIETTINEN, TEEMU PETTERI, US
[72] ISHAMUDDIN, SARAH, US
[72] CHOW, KIN-HOE, US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2024-05-28
[86] 2022-12-01 (PCT/US2022/051514)
[87] (WO2023/102106)
[30] US (63/285,181) 2021-12-02

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[13] A1
[51] **Int.Cl. C08F 212/08 (2006.01) C08F 8/32 (2006.01) C08F 8/34 (2006.01) C08F 8/44 (2006.01) C08F 222/08 (2006.01) C08F 222/40 (2006.01)**
[25] EN
[54] **TERPOLYMERS FOR LIPID NANODISC FORMATION**
[54] **TERPOLYMERES DESTINES A LA FORMATION DE NANODISQUES LIPIDIQUES**
[72] KLUMPERMAN, LUBERTUS, ZA
[72] KUYLER, GESTEL CHRISTINE, ZA
[71] STELLENBOSCH UNIVERSITY SOUTH AFRICAN SUGARCANE RESEARCH INSTITUTE, ZA
[85] 2024-06-12
[86] 2022-12-14 (PCT/ZA2022/050068)
[87] (WO2023/115076)
[30] GB (2118192.0) 2021-12-15

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[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) C07K 14/725 (2006.01) A61K 35/14 (2015.01)**
[25] EN
[54] **CD5 MODIFIED CELLS COMPRISING CHIMERIC ANTIGEN RECEPTORS (CARS) FOR TREATMENT OF SOLID TUMORS**
[54] **CELLULES MODIFIEES AU NIVEAU DE CD5 COMPRENANT DES RECEPTEURS ANTIGENIQUES CHIMERIQUES (CAR) POUR LE TRAITEMENT DE TUMEURS SOLIDES**
[72] RUELLA, MARCO, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[85] 2024-06-12
[86] 2022-12-13 (PCT/US2022/081463)
[87] (WO2023/114777)
[30] US (63/289,364) 2021-12-14
[30] US (63/380,012) 2022-10-18

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[13] A1
[51] **Int.Cl. B01D 69/12 (2006.01) B01D 71/56 (2006.01) B01D 71/60 (2006.01)**
[25] EN
[54] **APPARATUS AND PROCESS FOR MONOVALENT ION EXTRACTION**
[54] **APPAREIL ET PROCEDE D'EXTRACTION D'IONS MONOVALENTS**
[72] FEI, FAN, GB
[72] LIU, KANGSHENG, GB
[72] PHILLIPS, TRISTAN, GB
[71] EVOVE LTD, GB
[85] 2024-06-12
[86] 2022-12-14 (PCT/GB2022/053235)
[87] (WO2023/111565)
[30] GB (2118076.5) 2021-12-14
[30] GB (2216798.5) 2022-11-10

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[13] A1
[51] **Int.Cl. G16H 50/20 (2018.01) G16H 20/00 (2018.01) G16H 30/40 (2018.01) G06N 20/00 (2019.01) G06T 7/00 (2017.01)**
[25] EN
[54] **DIRECT MEDICAL TREATMENT PREDICTIONS USING ARTIFICIAL INTELLIGENCE**
[54] **PREDICTIONS DE TRAITEMENT MEDICAL DIRECT AU MOYEN DE L'INTELLIGENCE ARTIFICIELLE**
[72] ABRAMOFF, MICHAEL D., US
[71] DIGITAL DIAGNOSTICS INC., US
[85] 2024-05-28
[86] 2022-12-02 (PCT/US2022/051624)
[87] (WO2023/102166)
[30] US (17/541,936) 2021-12-03

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[13] A1
[51] **Int.Cl. A22C 25/16 (2006.01) A23K 10/22 (2016.01) A23K 30/20 (2016.01) A23K 40/10 (2016.01) A23K 40/25 (2016.01) A23K 50/30 (2016.01) A23K 50/42 (2016.01) A23K 50/45 (2016.01) A23K 50/75 (2016.01) A23K 50/80 (2016.01) A23L 17/10 (2016.01)**
[25] EN
[54] **FISH MEAL AND ITS PRODUCTION AND USE**
[54] **FARINE DE POISSON ET SA PRODUCTION ET SON UTILISATION**
[72] SORENSEN, HENRIK, DK
[71] TRIPLENINE GROUP A/S, DK
[85] 2024-06-12
[86] 2022-12-05 (PCT/EP2022/084376)
[87] (WO2023/110486)
[30] NO (20211541) 2021-12-17

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[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01)**
[25] EN
[54] **MAPPING ENTITIES TO ACCOUNTS FOR DE-ANONYMIZATION OF ONLINE ACTIVITY**
[54] **MISE EN CORRESPONDANCE D'ENTITES AVEC DES COMPTES POUR LA DESANONYMISATION D'ACTIVITE EN LIGNE**
[72] TAI, CHIHI, US
[72] LO, DANIEL, US
[72] VO, TAI, US
[72] TYUTINA, YULIA, US
[72] GOLONKA, KENNETH, US
[72] BAJARIA, VIRAL, US
[71] 6SENSE INSIGHTS, INC., US
[85] 2024-05-28
[86] 2022-12-02 (PCT/US2022/051656)
[87] (WO2023/102182)
[30] US (63/285,630) 2021-12-03

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[13] A1
[51] **Int.Cl. A61F 13/15 (2006.01) A61F 13/511 (2006.01) A61F 13/533 (2006.01) A61F 13/551 (2006.01) A61F 13/56 (2006.01)**
[25] EN
[54] **ABSORBENT ARTICLE WITH RELEASE ADHESIVE**
[54] **ARTICLE ABSORBANT AVEC ADHESIF DETACHABLE**
[72] GARTHAFFNER, JOSEPH, US
[71] EDGEWELL PERSONAL CARE BRANDS, LLC, US
[85] 2024-05-28
[86] 2022-12-21 (PCT/US2022/082120)
[87] (WO2023/122650)
[30] US (63/292,760) 2021-12-22

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[13] A1
[51] **Int.Cl. C05F 17/20 (2020.01) A01N 63/22 (2020.01) A01N 63/27 (2020.01) C05F 11/08 (2006.01)**
[25] EN
[54] **AGRICULTURAL COMPOSITIONS COMPRISING MICROBIAL CONSORTIA AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS AGRICOLES COMPRENANT DES CONSORTIUMS MICROBIENS ET LEURS PROCEDES D'UTILISATION**
[72] WEST, ROBERT, US
[72] PUSCH, BRIAN W., US
[71] MICROBES, INC., US
[85] 2024-06-12
[86] 2022-12-14 (PCT/US2022/052872)
[87] (WO2023/114314)
[30] US (63/289,594) 2021-12-14

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[13] A1
[51] **Int.Cl. F16M 11/04 (2006.01) F16M 11/14 (2006.01) F16M 11/26 (2006.01)**
[25] EN
[54] **GUN-MOUNTED TELESCOPING SUPPORT STAND APPARATUS**
[54] **APPAREIL PIED DE SUPPORT TELESCOPIQUE MONTE SUR UNE ARME**
[72] GREY, GARRETT T., US
[72] THOMASON, JACOB R., US
[71] BUSHNELL HOLDINGS, INC., US
[85] 2024-05-28
[86] 2022-12-15 (PCT/US2022/052981)
[87] (WO2023/114380)
[30] US (63/289,989) 2021-12-15
[30] US (63/289,917) 2021-12-15

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[13] A1
[51] **Int.Cl. H04L 1/00 (2006.01)**
[25] EN
[54] **SATELLITE SYSTEM OPTIMIZATION BY DIFFERENTIATING APPLICATION OF ADAPTIVE CODING AND MODULATION**
[54] **OPTIMISATION DE SYSTEME SATELLITE PAR DIFFERENCIATION D'APPLICATION DE CODAGE ET DE MODULATION ADAPTATIFS**
[72] CHOQUETTE, GEORGE JOSEPH, US
[72] BORDER, JOHN LEONARD, US
[71] HUGHES NETWORK SYSTEMS LLC, US
[85] 2024-06-12
[86] 2021-12-28 (PCT/US2021/065379)
[87] (WO2023/129139)
[30] US (17/563,755) 2021-12-28

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[13] A1
[51] **Int.Cl. C12Q 1/6806 (2018.01) C12Q 1/6809 (2018.01) C12Q 1/6841 (2018.01)**
[25] EN
[54] **METHODS FOR ANALYZING CHROMOSOMES AND CHROMOSOMAL ABNORMALITIES USING DGH WITH FLUORESCENCE SORTING AND/OR ARRAYS**
[54] **METHODES D'ANALYSE DE CHROMOSOMES ET D'ANOMALIES CHROMOSOMIQUES A L'AIDE DE DGH AVEC TRI ET/OU RESEAUX DE FLUORESCENCE**
[72] CROSS, ERIN MARIE, US
[72] HUGHES, STEPHEN WILLIAM, US
[72] KINNER, LAUREN, US
[72] TOMPKINS, CHRISTOPHER JOHN, US
[71] KROMATID, INC., US
[85] 2024-05-28
[86] 2022-12-01 (PCT/US2022/080780)
[87] (WO2023/102501)
[30] US (63/264,764) 2021-12-01
[30] US (63/366,142) 2022-06-09
[30] US (63/366,601) 2022-06-17

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[13] A1
[51] **Int.Cl. G06Q 50/06 (2012.01) F17D 5/06 (2006.01) G01M 3/38 (2006.01)**
[25] EN
[54] **DETECTING LEAKAGES IN UNDERGROUND PIPELINES**
[54] **DETECTION DE FUITES DANS DES CANALISATIONS SOUTERRAINES**
[72] TALGO, MORTEN, NO
[71] LEAK DETECTOR AS, NO
[85] 2024-06-12
[86] 2023-02-14 (PCT/NO2023/050035)
[87] (WO2023/153939)
[30] NO (20220204) 2022-02-14

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[13] A1
[51] **Int.Cl. C08F 4/659 (2006.01) C08F 210/16 (2006.01)**
[25] EN
[54] **CONTROLLING LONG CHAIN BRANCH CONTENT WITH DUAL ACTIVATOR-SUPPORTS**
[54] **REGULATION DE LA TENEUR EN RAMIFICATIONS A LONGUE CHAINE AVEC DES ACTIVATEURS-SUPPORTS DOUBLES**
[72] MCDANIEL, MAX P., US
[72] LIEF, GRAHAM R., US
[72] YANG, QING, US
[72] CRUZ, CARLOS A., US
[72] INN, YONGWOO, US
[72] BARR, JARED L., US
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2024-05-28
[86] 2022-12-06 (PCT/US2022/080955)
[87] (WO2023/114660)
[30] US (17/552,451) 2021-12-16

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[13] A1
[51] **Int.Cl. A61K 31/4375 (2006.01)**
[25] EN
[54] **USE OF A CLASS OF 1,4-DIHYDRO-NAPHTHYRIDINE DERIVATIVES IN TREATMENT OF TUMORS**
[54] **UTILISATION D'UNE CLASSE DE DERIVES DE 1,4-DIHYDRO-NAPHTYRIDINE DANS LE TRAITEMENT DE TUMEURS**
[72] ZHANG, ZHENGPING, CN
[72] LI, FULONG, CN
[72] WANG, LEI, CN
[72] CHEN, RONG, CN
[72] YANG, WEIDONG, CN
[72] FANG, FANG, CN
[72] AN, WENJI, CN
[72] HUA, YAO, CN
[72] FENG, LIN, CN
[71] NEURODAWN PHARMACEUTICAL CO., LTD., CN
[85] 2024-06-12
[86] 2022-11-21 (PCT/CN2022/133165)
[87] (WO2023/116304)
[30] CN (202111599362.3) 2021-12-24

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[13] A1
[51] **Int.Cl. C08F 4/659 (2006.01) C08F 10/02 (2006.01)**
[25] EN
[54] **MODIFICATIONS OF SULFATED BENTONITES AND USES THEREOF IN METALLOCENE CATALYST SYSTEMS FOR OLEFIN POLYMERIZATION**
[54] **MODIFICATIONS DE BENTONITES SULFATEES ET LEURS UTILISATIONS DANS DES SYSTEMES DE CATALYSEUR METALLOCENE POUR LA POLYMERISATION D'OLEFINES**
[72] MCDANIEL, MAX P., US
[72] YANG, QING, US
[72] ROSE, RYAN N., US
[72] CLEAR, KATHY S., US
[72] LIEF, GRAHAM R., US
[72] SCHWERDTFEGER, ERIC D., US
[72] RAMANATHAN, ANAND, US
[72] PRAETORIUS, JEREMY M., US
[72] BOXELL, CONNOR D., US
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2024-05-28
[86] 2022-12-13 (PCT/US2022/081456)
[87] (WO2023/114773)
[30] US (63/290,088) 2021-12-16

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[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR MONITORING ELECTROSTATIC BUILDUP FOR AN ATTRACTION SYSTEM**
[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE D'ACCUMULATION ELECTROSTATIQUE POUR UN SYSTEME D'ATTRACTION**
[72] HELMICK, IV NATHANIEL DAVID, US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2024-06-12
[86] 2023-01-04 (PCT/US2023/010132)
[87] (WO2023/133152)
[30] US (17/570,651) 2022-01-07

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[13] A1
[51] **Int.Cl. G09B 23/28 (2006.01)**
[25] EN
[54] **FORCE PERCEPTION MECHANISM FOR PHYSICAL LAPAROSCOPIC SIMULATION MODELS**
[54] **MECANISME DE PERCEPTION DE FORCE POUR MODELES PHYSIQUES DE SIMULATION LAPAROSCOPIQUE**
[72] GRILL, DAIANE AIZEN, US
[72] HOFSTETTER, GREGORY K., US
[71] APPLIED MEDICAL RESOURCES CORP., US
[85] 2024-06-12
[86] 2023-01-09 (PCT/US2023/010427)
[87] (WO2023/133324)
[30] US (63/297,392) 2022-01-07

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[13] A1
[51] **Int.Cl. C08G 63/06 (2006.01) C08G 63/81 (2006.01) C08G 63/85 (2006.01) C08L 67/04 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PRODUCTION OF A POLYESTER (CO)POLYMER**
[54] **PROCEDE DE PRODUCTION D'UN (CO)POLYMERE DE POLYESTER**
[72] WANG, BING, NL
[72] GRUTER, GERARDUS JOHANNES MARIA, NL
[72] VAN PUTTEN, ROBERT-JAN, NL
[72] WEINLAND, DANIEL HERBERT, NL
[72] MURCIA, MARIA ALEJANDRA, NL
[71] AVANTIUM KNOWLEDGE CENTRE B.V., NL
[85] 2024-06-12
[86] 2022-12-22 (PCT/EP2022/087428)
[87] (WO2023/118409)
[30] EP (21217723.2) 2021-12-24

[21] **3,240,866**
[13] A1
[51] **Int.Cl. A61K 47/64 (2017.01)**
[25] EN
[54] **WNT-SURROGATE AGENTS AND METHODS FOR LACRIMAL GLAND REGENERATION**
[54] **AGENTS DE SUBSTITUTION WNT ET METHODES DE REGENERATION DE GLANDE LACRYMALE**
[72] LI, YANG, US
[72] NGUYEN, HUY TUAN, US
[72] POST, YORICK, US
[72] YEH, WEN-CHEN, US
[71] SURROZEN OPERATING, INC., US
[85] 2024-06-12
[86] 2022-12-16 (PCT/US2022/081884)
[87] (WO2023/115048)
[30] US (63/291,243) 2021-12-17

[21] **3,240,867**
[13] A1
[51] **Int.Cl. B26D 7/26 (2006.01) B26D 1/00 (2006.01) B26D 1/36 (2006.01) B26D 1/62 (2006.01) B26D 3/28 (2006.01) B26D 7/06 (2006.01)**
[25] EN
[54] **CLAMPING ASSEMBLIES TO SECURE KNIVES TO SLICING MACHINES AND SLICING MACHINES EQUIPPED THEREWITH**
[54] **ENSEMBLES DE SERRAGE POUR FIXER DES COUTEAUX A DES MACHINES DE TRANCHAGE ET MACHINES DE TRANCHAGE EQUIPEES DE CES DERNIERS**
[72] KING, DANIEL WADE, US
[71] URSCHEL LABORATORIES, INC., US
[85] 2024-06-12
[86] 2022-12-21 (PCT/US2022/053639)
[87] (WO2023/122167)
[30] US (63/293,273) 2021-12-23

[21] **3,240,868**
[13] A1
[51] **Int.Cl. C07F 9/30 (2006.01) C07F 9/46 (2006.01) C07F 9/6584 (2006.01)**
[25] EN
[54] **L-GLUFOSINATE DERIVATIVE, COMPOSITION COMPRISING SAME, PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **DERIVE DE L-GLUFOSINATE, COMPOSITION LE COMPRENANT, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] ZHOU, LEI, CN
[72] LIU, YONGJIANG, CN
[72] ZENG, WEI, CN
[72] XU, MIN, CN
[72] ZUO, XIANG, CN
[72] CHENG, KE, CN
[71] LIER CHEMICAL CO., LTD., CN
[85] 2024-06-12
[86] 2022-12-12 (PCT/CN2022/138391)
[87] (WO2023/109757)
[30] CN (202111529678.5) 2021-12-13

[21] **3,240,869**
[13] A1
[51] **Int.Cl. B65D 6/38 (2006.01) C08L 67/02 (2006.01)**
[25] EN
[54] **BASE FOR CONTAINER FORMED FROM RECYCLE POLYMERIC MATERIAL**
[54] **BASE POUR UN CONTENANT FORME A PARTIR D'UN MATERIAU POLYMERE RECYCLE**
[72] NUNNOLD, TYLER M., US
[72] FLOREZ-BEDOYA, DANIEL, US
[72] STELZER, JAMES, US
[72] SICILIANO, JOHN, US
[71] AMCOR RIGID PACKAGING USA, LLC, US
[85] 2024-06-12
[86] 2021-12-15 (PCT/US2021/072929)
[87] (WO2023/113838)

[21] **3,240,870**
[13] A1
[51] **Int.Cl. A01G 9/02 (2018.01) A01G 27/00 (2006.01)**
[25] EN
[54] **PLANTER MODULE AND MODULAR EXPANDABLE PLANTER SYSTEM**
[54] **MODULE DE JARDINIERE ET SYSTEME DE JARDINIERE EXTENSIBLE MODULAIRE**
[72] TOM, STEVENSON, CA
[72] YEUNG, TING-HIN, CA
[71] MULTY HOME LP, CA
[85] 2024-05-29
[86] 2022-11-28 (PCT/CA2022/051740)
[87] (WO2023/092239)
[30] US (63/284,001) 2021-11-29

[21] **3,240,871**
[13] A1
[51] **Int.Cl. H01H 33/664 (2006.01) H01H 33/666 (2006.01)**
[25] EN
[54] **ULTRA-FAST MOVING CONDUCTOR WITH REMOVABLE CORE PIN**
[54] **CONDUCTEUR A MOUVEMENT ULTRA-RAPIDE AVEC AME DE NOYAU AMOVIBLE**
[72] GOTTSCHALK, ANDREW L., US
[72] SLEPIAN, ROBERT MICHAEL, US
[72] BALASUBRAMANIAN, GANESH KUMAR, US
[72] DEUTSCH, ANDREW, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[85] 2024-06-12
[86] 2022-12-09 (PCT/EP2022/025567)
[87] (WO2023/110147)
[30] US (17/551,328) 2021-12-15

[21] **3,240,872**
[13] A1
[51] **Int.Cl. A61K 35/545 (2015.01) C12N 5/02 (2006.01)**
[25] EN
[54] **IMPROVED METHODS OF PREPARING DIFFERENT MESODERM CELL TYPES**
[54] **METHODES AMELIOREES DE PREPARATION DE DIFFERENTS TYPES DE CELLULES DE MESODERME**
[72] ZORN, AARON M., US
[72] HAN, LU, US
[72] KISHIMOTO, KEISHI, JP
[72] MORIMOTO, MITSURU, JP
[71] CHILDREN'S HOSPITAL MEDICAL CENTER, US
[71] RIKEN:JOHNS HOPKINS UNIVERSITY, JP
[85] 2024-05-28
[86] 2022-12-01 (PCT/US2022/051561)
[87] (WO2023/102133)
[30] US (63/264,927) 2021-12-03

[21] **3,240,873**
[13] A1
[51] **Int.Cl. G01J 3/12 (2006.01) G01J 3/28 (2006.01) G01J 3/44 (2006.01) G01N 22/00 (2006.01)**
[25] EN
[54] **CHIRP MODULATION SIMULATED RAMAN SCATTERING MICROSCOPY**
[54] **MICROSCOPIE A DIFFUSION RAMAN SIMULEE A MODULATION CHIRP**
[72] PEGORARO, ADRIAN, CA
[72] STOLOW, ALBERT, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2024-05-29
[86] 2022-12-02 (PCT/CA2022/051772)
[87] (WO2023/097405)
[30] US (63/285,808) 2021-12-03

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[13] A1
[51] **Int.Cl. C25B 1/04 (2021.01) C25B 11/031 (2021.01) C25B 11/052 (2021.01) C25B 11/075 (2021.01) C25B 11/077 (2021.01) C25B 11/091 (2021.01) C25B 11/03 (2021.01)**
[25] EN
[54] **NICKEL-BASED ANODE FOR OXYGEN EVOLUTION**
[54] **ANODE A BASE DE NICKEL POUR LE DEGAGEMENT D'OXYGENE**
[72] PINO, FRANCESCO, IT
[71] INDUSTRIE DE NORA, S.P.A., IT
[85] 2024-06-12
[86] 2022-12-15 (PCT/EP2022/086245)
[87] (WO2023/111223)
[30] EP (21215251.6) 2021-12-16

[21] **3,240,875**
[13] A1
[51] **Int.Cl. A61P 35/02 (2006.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **DISCERNIBLE CELL SURFACE PROTEIN VARIANTS OF CD45 FOR USE IN CELL THERAPY**
[54] **VARIANTS DE PROTEINE DE SURFACE CELLULAIRE DISCERNABLE DE CD45 DESTINES A ETRE UTILISES EN THERAPIE CELLULAIRE**
[72] URLINGER, STEFANIE, DE
[72] JEKER, LUKAS, CH
[72] LEPORE, ROSALBA, CH
[72] MATTER MARONE, ROMINA, CH
[72] CAMUS, ANNA, CH
[72] SINOPOLI, ALESSANDRO, FR
[72] DURZYNSKA, IZABELA, CH
[72] HAYDN, ANNA, CH
[72] DEVAUX, ANNA, FR
[72] GARAUDE, SIMON, CH
[71] UNIVERSITAT BASEL, CH
[71] CIMEIO THERAPEUTICS AG, CH
[85] 2024-06-12
[86] 2022-12-23 (PCT/EP2022/087829)
[87] (WO2023/118608)
[30] EP (21217465.0) 2021-12-23

[21] **3,240,876**
[13] A1
[51] **Int.Cl. A61M 5/178 (2006.01) A61F 7/00 (2006.01) A61F 7/02 (2006.01) A61M 5/42 (2006.01) A61M 19/00 (2006.01)**
[25] EN
[54] **ENDOTHERMIC VAPOR AND ANTIMICROBIAL SKIN ANESTHETIC AND APPARATUS FOR APPLICATION**
[54] **VAPEUR ENDOTHERMIQUE ET ANESTHESIQUE ANTIMICROBIEN DE LA PEAU AINSI QU'APPAREIL POUR L'APPLICATION**
[72] LEIBOVICI, JACOB, US
[71] VAPOCOOLSHOT, INC., US
[85] 2024-05-29
[86] 2022-11-29 (PCT/US2022/080586)
[87] (WO2023/097333)
[30] US (17/537,424) 2021-11-29
[30] US (18/059,652) 2022-11-29

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[13] A1
[51] **Int.Cl. F23D 14/84 (2006.01) C22B 1/24 (2006.01) F23D 14/22 (2006.01) F23D 14/58 (2006.01) C22B 5/12 (2006.01) F27B 1/02 (2006.01)**
[25] EN
[54] **AN ARRANGEMENT FOR HEATING A PROCESS GAS OF AN IRON ORE PELLETIZING PLANT**
[54] **AGENCEMENT POUR CHAUFFER UN GAZ DE PROCESSUS D'UNE INSTALLATION DE GRANULATION DE MINERAI DE FER**
[72] FREDRIKSSON, CHRISTIAN, SE
[71] HYBRIT DEVELOPMENT AB, SE
[85] 2024-06-12
[86] 2023-02-15 (PCT/SE2023/050128)
[87] (WO2023/158356)
[30] SE (2250162-1) 2022-02-17

[21] **3,240,878**
[13] A1
[51] **Int.Cl. H02M 7/04 (2006.01) F24S 25/33 (2018.01) F24S 25/70 (2018.01) H02S 20/24 (2014.01)**
[25] EN
[54] **BALLAST SYSTEMS FOR SECURING PHOTOVOLTAIC MODULES**
[54] **SYSTEMES DE BALLAST DE FIXATION DE MODULES PHOTOVOLTAIQUES**
[72] NEAL, JONATHAN, US
[72] BABU, NIKHIL, US
[72] GALLEGOS, ERNEST, US
[72] GANGUMALLA, DEEPTHI, US
[71] UNIRAC INC., US
[85] 2024-05-29
[86] 2023-01-06 (PCT/US2023/060239)
[87] (WO2023/133511)
[30] US (63/297,177) 2022-01-06
[30] US (17/851,996) 2022-06-28

[21] **3,240,879**
[13] A1
[51] **Int.Cl. A01N 37/04 (2006.01) A01N 43/40 (2006.01)**
[25] EN
[54] **FUNGICIDAL COMPOSITIONS**
[54] **COMPOSITIONS FONGICIDES**
[72] BOYLES, CLAIRE, GB
[72] WESLEY, ROBIN, GB
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2024-06-12
[86] 2022-12-13 (PCT/EP2022/085701)
[87] (WO2023/110928)
[30] EP (21215713.5) 2021-12-17

[21] **3,240,880**
[13] A1
[51] **Int.Cl. A61B 5/1455 (2006.01)**
[25] EN
[54] **WEARABLE RING-TYPE SENSOR DEVICES FOR MONITORING HEALTH AND WELLNESS CONDITIONS**
[54] **DISPOSITIFS CAPTEURS DE TYPE ANNULAIRE POUVANT ETRE PORTES POUR SURVEILLER DES CONDITIONS DE SANTE ET DE BIEN-ETRE**
[72] VOIGT, THOMAS, US
[72] BHATTACHARYA, SWAGATIKA, US
[71] HHID, LLC, US
[85] 2024-06-12
[86] 2022-12-13 (PCT/US2022/081474)
[87] (WO2023/114787)
[30] US (63/288,723) 2021-12-13

[21] **3,240,881**
[13] A1
[51] **Int.Cl. G06Q 40/12 (2023.01) G06Q 30/02 (2023.01) G06Q 50/12 (2012.01)**
[25] EN
[54] **DYNAMIC LODGING RESOURCE PREDICTION SYSTEM**
[54] **SYSTEME DE PREDICTION DE RESSOURCES D'HEBERGEMENT DYNAMIQUE**
[72] CHAN, ANDREW BRANDON, US
[71] AVALARA, INC., US
[85] 2024-06-12
[86] 2022-12-09 (PCT/US2022/052408)
[87] (WO2023/129357)
[30] US (17/564,061) 2021-12-28

[21] **3,240,882**
[13] A1
[51] **Int.Cl. C12Q 1/6883 (2018.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR DIAGNOSIS AND TREATMENT OF DISORDERS IN PETS**
[54] **PROCEDES ET COMPOSITIONS POUR LE DIAGNOSTIC ET LE TRAITEMENT DE TROUBLES CHEZ LES ANIMAUX DE COMPAGNIE**
[72] BROCKMAN, JEFFREY, US
[72] EPHRAIM, EDEN, US
[71] HILL'S PET NUTRITION, INC., US
[85] 2024-06-12
[86] 2022-12-22 (PCT/US2022/053839)
[87] (WO2023/122287)
[30] US (63/292,784) 2021-12-22

[21] **3,240,883**
[13] A1
[51] **Int.Cl. G06F 16/907 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ELECTRONICALLY TRACKING CLIENT DATA**
[54] **SYSTEMES ET PROCEDES DE SUIVI ELECTRONIQUE DE DONNEES DE CLIENT**
[72] JANZEN, MARK, US
[71] AVALARA, INC., US
[85] 2024-06-12
[86] 2022-12-09 (PCT/US2022/052417)
[87] (WO2023/136897)
[30] US (17/574,412) 2022-01-12

[21] **3,240,884**
[13] A1
[51] **Int.Cl. C07D 303/32 (2006.01) C07D 493/10 (2006.01)**
[25] EN
[54] **CRYSTALLINE INTERMEDIATES**
[54] **INTERMEDIAIRES CRISTALLINS**
[72] DOMENIGHINI, LUCA, IT
[72] FUMAGALLI, LORENA, IT
[72] GAMBINI, ANDREA, IT
[72] SARDONE, NICOLA, IT
[71] QBIOTICS PTY LTD, AU
[85] 2024-06-12
[86] 2022-12-21 (PCT/AU2022/051546)
[87] (WO2023/115123)
[30] AU (2021904153) 2021-12-21

[21] **3,240,885**
[13] A1
[51] **Int.Cl. A61K 31/5377 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMBINATION COMPRISING ABEMACICLIB AND A PI3K AND/OR A MTOR INHIBITOR FOR THE TREATMENT OF MANTLE CELL LYMPHOMA**
[54] **COMBINAISON PHARMACEUTIQUE COMPRENANT DE L'ABEMACICLIB ET UNE PI3K ET/OU UN INHIBITEUR DE MTOR POUR LE TRAITEMENT DU LYMPHOME A CELLULES DU MANTEAU**
[72] WANG, LUHUA, US
[72] CHE, YUXUAN, US
[72] LI, YIJING, US
[72] LIU, YANG, US
[72] YAO, YIXIN, US
[72] LIAO, SUE JIN A/K/A SUE JIN YI, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2024-06-12
[86] 2022-12-13 (PCT/US2022/052734)
[87] (WO2023/114225)
[30] US (63/289,300) 2021-12-14

[21] **3,240,886**
[13] A1
[25] FR
[54] **FACILITY FOR COOLING A GAS FLOW CONTAINING CO2 AND METHOD USING SUCH A FACILITY**
[54] **INSTALLATION DE REFROIDISSEMENT D'UN FLUX GAZEUX CONTENANT DU CO2 ET PROCEDE METTANT EN OEUVRE UNE TELLE INSTALLATION**
[72] TRAN, MICHAEL, FR
[72] LECLERC, MATHIEU, FR
[72] CALORO, GIAN LUIGI, FR
[72] HARBAL, ACHRAF, FR
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[85] 2024-06-12
[86] 2022-11-22 (PCT/EP2022/082837)
[87] (WO2023/110329)
[30] FR (FR2113862) 2021-12-17

[21] **3,240,887**
[13] A1
[51] **Int.Cl. A61K 47/69 (2017.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS COMPRISING MODIFIED BETA-CYCLODEXTRINS**
[54] **COMPOSITIONS PHARMACEUTIQUES COMPRENANT DES BETA-CYCLODEXTRINES MODIFIEES**
[72] BURY, LUC, CH
[72] HEUBES, MARKUS, CH
[72] HAUCK, GERRIT, CH
[71] SILLAJEN, INC., KR
[85] 2024-06-12
[86] 2022-12-14 (PCT/KR2022/020393)
[87] (WO2023/113479)
[30] EP (21214940.5) 2021-12-15
[30] EP (21214941.3) 2021-12-15
[30] EP (22181675.4) 2022-06-28
[30] EP (22191429.4) 2022-08-22

[21] **3,240,888**
[13] A1
[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/501 (2006.01) A61P 1/00 (2006.01) A61P 19/02 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 37/06 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 405/12 (2006.01) C07D 409/14 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **TYK2 INHIBITORS AND COMPOSITIONS AND METHODS THEREOF**
[54] **INHIBITEURS DE TYK2 ET COMPOSITIONS ET PROCEDES ASSOCIES**
[72] WAN, ZHAOKUI, CN
[72] VAZQUEZ, MICHAEL LAWRENCE, CN
[72] GREWAL, GURMIT, CN
[72] LI, XIAODONG, CN
[72] SU, LIN, CN
[72] WU, JINGYU, CN
[71] LYNK PHARMACEUTICALS CO. LTD., CN
[85] 2024-05-29
[86] 2022-12-16 (PCT/CN2022/139649)
[87] (WO2023/109954)
[30] CN (PCT/CN2021/138744) 2021-12-16
[30] CN (PCT/CN2022/106876) 2022-07-20

[21] **3,240,889**
[13] A1
[25] EN
[54] **COMPOSITIONS AND METHODS FOR PRODUCING ALLULOSE**
[54] **COMPOSITIONS ET PROCEDES DE PRODUCTION D'ALLULOSE**
[72] TANG, ZHONGMEI, CN
[72] QIAN, ZHEN, CN
[72] LEE, SANG-KYU, US
[72] PEPSIN, MICHAEL, US
[71] DANISCO US INC., US
[85] 2024-06-12
[86] 2022-12-14 (PCT/US2022/081510)
[87] (WO2023/114814)
[30] CN (PCT/CN2021/137842) 2021-12-14

[21] **3,240,891**
[13] A1
[51] **Int.Cl. A61P 5/44 (2006.01) A61P 11/06 (2006.01)**
[25] EN
[54] **COMBINATION OF BUDESONIDE AND 5-AMINO-2,3-DIHYDRO-1,4-PHTHALAZINEDIONE**
[54] **COMBINAISON DE BUDESONIDE ET DE 5-AMINO-2,3-DIHYDRO-1,4-PHTALAZINEDIONE**
[72] BRYSCH, WOLFGANG, DE
[72] SCHUMANN, SARA, DE
[72] BREMBECK, FELIX, DE
[72] VON WEGERER, JORG, DE
[71] METRIOPHARM AG, CH
[85] 2024-06-12
[86] 2023-01-05 (PCT/EP2023/000001)
[87] (WO2023/131578)
[30] EP (22000007.9) 2022-01-07

[21] **3,240,892**
[13] A1
[51] **Int.Cl. A61K 31/573 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **USE OF 5-AMINO-2,3-DIHYDRO-1,4-PHTHALAZINEDIONE IN THE TREATMENT OF CONGENITAL MUSCULAR DYSTROPHIES**
[54] **UTILISATION DE 5-AMINO-2,3-DIHYDRO-1,4-PHTALAZINEDIONE DANS LE TRAITEMENT DE DYSTROPHIES MUSCULAIRES CONGENITALES**
[72] BRYSCH, WOLFGANG, DE
[72] BREMBECK, FELIX, DE
[72] SCHUMANN, SARA, DE
[72] VON WEGERER, JORG, DE
[71] METRIOPHARM AG, CH
[85] 2024-06-12
[86] 2023-01-05 (PCT/EP2023/000002)
[87] (WO2023/131579)
[30] EP (22000008.7) 2022-01-07

[21] **3,240,894**
[13] A1
[51] **Int.Cl. H04W 56/00 (2009.01) H04L 7/033 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND TERMINALS FOR SYNCHRONIZATION OF SIGNAL TIMING BETWEEN A FIRST TERMINAL AND A SECOND TERMINAL**
[54] **SYSTEMES, PROCEDES ET TERMINAUX POUR LA SYNCHRONISATION DE COMMANDE DE RYTHME DE SIGNAL ENTRE UN PREMIER TERMINAL ET UN SECOND TERMINAL**
[72] BELLEMARE, MICHEL, CA
[72] LECLERE, JEROME, CA
[71] MACDONALD, DETTWILER AND ASSOCIATES CORPORATION, CA
[85] 2024-06-12
[86] 2022-12-13 (PCT/CA2022/051816)
[87] (WO2023/108270)
[30] US (63/290,498) 2021-12-16

[21] **3,240,895**
[13] A1
[51] **Int.Cl. C07D 495/04 (2006.01) A01N 43/56 (2006.01) C07D 513/04 (2006.01)**
[25] EN
[54] **MICROBIOCIDAL BICYCLE HETEROCYCLIC DERIVATIVES**
[54] **DERIVES HETEROCYCLIQUES BICYCLIQUES MICROBIOCIDES**
[72] EDMUNDS, ANDREW, CH
[72] SCARBOROUGH, CHRISTOPHER CHARLES, CH
[72] MAHAJAN, ATUL, IN
[72] LAMBERTH, CLEMENS, CH
[72] STIERLI, DANIEL, CH
[72] GROSHEVA, DARIA, CH
[72] PINSON, BENJAMIN, CH
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2024-06-12
[86] 2022-12-13 (PCT/EP2022/085617)
[87] (WO2023/110869)
[30] IN (202111058396) 2021-12-15
[30] EP (22163082.5) 2022-03-18

[21] **3,240,896**
[13] A1
[51] **Int.Cl. A61P 25/28 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **USES OF BICYCLIC COMPOUNDS FOR THE TREATMENT OF DISEASES**
[54] **UTILISATIONS DE COMPOSES BICYCLIQUES POUR LE TRAITEMENT DE MALADIES**
[72] KAWAS, LEEN, US
[72] CHURCH, KEVIN, US
[72] TAYLOR, ROBERT, US
[72] JOHNSTON, JEWEL, US
[72] BOATMAN, DOUGLAS, US
[71] ATHIRA PHARMA, INC., US
[85] 2024-06-12
[86] 2022-12-16 (PCT/US2022/053113)
[87] (WO2023/114456)
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[13] A1
[51] **Int.Cl. B64C 27/12 (2006.01)**
[25] FR
[54] **METHOD FOR REGULATING THE SPEED OF ROTATION OF A PROPULSION DEVICE OF A HYBRID PROPULSION UNIT FOR AN AIRCRAFT, IN THE EVENT OF A FAILURE OF THE MAIN REGULATION SYSTEM OF THE HEAT ENGINE OF THE HYBRID PROPULSION UNI**
[54] **PROCEDE DE REGULATION DE LA VITESSE DE ROTATION D'UN PROPULSEUR D'UN GROUPE PROPULSIF HYBRIDE POUR AERONEF, EN SITUATION DE PANNE DU SYSTEME DE REGULATION PRINCIPAL DU MOTEUR THERMIQUE DU GROUPE PROPULSIF HYBRID**
[72] LEMAY, DAVID BERNARD MARTIN, FR
[72] MARIN, JEAN-PHILIPPE JACQUES, FR
[72] FREALLE, JEAN-LUC CHARLES GILBERT, FR
[71] SAFRAN HELICOPTER ENGINES, FR
[85] 2024-06-12
[86] 2022-12-13 (PCT/FR2022/052330)
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[30] FR (FR2113833) 2021-12-17

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[51] **Int.Cl. A23J 1/14 (2006.01) A23K 20/147 (2016.01) A23K 40/10 (2016.01) A23L 33/185 (2016.01) A23J 3/14 (2006.01)**
[25] EN
[54] **METHOD FOR IMPROVING HANDLING PROPERTIES OF PROTEIN INGREDIENTS**
[54] **PROCEDE D'AMELIORATION DES PROPRIETES DE MANIPULATION D'INGREDIENTS PROTEIQUES**
[72] MOTTE, JEAN-CHARLES JEAN-LOUIS GERARD, FR
[71] IMPROVE, FR
[85] 2024-06-12
[86] 2022-12-16 (PCT/EP2022/086285)
[87] (WO2023/111234)
[30] EP (21306836.4) 2021-12-17

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[13] A1
[51] **Int.Cl. C09K 5/10 (2006.01)**
[25] EN
[54] **HEAT TRANSFER SYSTEM WITH ORGANIC, NON-IONIC INHIBITORS COMPATIBLE WITH FLUX EXPOSURE IN FUEL CELL OPERATIONS**
[54] **SYSTEME DE TRANSFERT DE CHALEUR A INHIBITEURS ORGANIQUES NON IONIQUES COMPATIBLES AVEC UNE EXPOSITION AU FLUX DANS DES OPERATIONS DE PILE A COMBUSTIBLE**
[72] WEIDE, TIMO, US
[72] GERSHUN, ALEKSEI, US
[71] CCI NORTH AMERICA CORPORATION, US
[85] 2024-06-12
[86] 2022-12-15 (PCT/IB2022/000763)
[87] (WO2023/111687)
[30] US (63/291,258) 2021-12-17

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[13] A1
[51] **Int.Cl. G06V 20/40 (2022.01) G06T 7/50 (2017.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DEFINING A VIRTUAL DATA CAPTURE POINT**
[54] **SYSTEME ET PROCEDE POUR DEFINIR UN POINT DE CAPTURE DE DONNEES VIRTUELLES**
[72] BERMAN, ISAAC LOUIS GOLD, CA
[72] JAFARI, PARYA, CA
[72] LEE, DAE HYUN, CA
[72] BINA, BARDIA, CA
[71] INTERAPTIX INC., CA
[85] 2024-06-12
[86] 2022-12-13 (PCT/IB2022/062136)
[87] (WO2023/111843)
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[13] A1
[51] **Int.Cl. H04B 7/185 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING CONFIGURABLE REFERENCE FREQUENCIES**
[54] **SYSTEMES ET PROCEDES POUR FOURNIR DES FREQUENCES DE REFERENCE CONFIGURABLES**
[72] YUAN, YONG KANG, US
[72] TAT, KEVIN WONG, US
[72] HARRINGTON, EMANUEL, US
[71] HUGHES NETWORK SYSTEMS LLC, US
[85] 2024-06-12
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[25] EN
[54] **DUAL CYTOKINE FUSION PROTEINS COMPRISING MULTI-SUBUNIT CYTOKINES**
[54] **PROTEINES DE FUSION A DOUBLE CYTOKINE COMPRENANT DES CYTOKINES A SOUS-UNITES MULTIPLES**
[72] MUMM, JOHN, US
[71] DEKA BIOSCIENCES, INC., US
[85] 2024-06-12
[86] 2022-12-13 (PCT/US2022/081460)
[87] (WO2023/114775)
[30] US (63/265,339) 2021-12-13
[30] US (63/320,750) 2022-03-17
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[51] **Int.Cl. C07K 16/22 (2006.01) A61P 19/02 (2006.01) A61P 25/02 (2006.01)**
[25] EN
[54] **CANINIZED AND FELINIZED ANTIBODIES TO HUMAN NGF**
[54] **ANTICORPS CANINISES ET FELINISES DIRIGES CONTRE NGF HUMAIN**
[72] MORSEY, MOHAMAD, US
[72] ZHANG, YUANZHENG, US
[71] INTERVET INTERNATIONAL B.V., NL
[85] 2024-06-12
[86] 2022-12-15 (PCT/EP2022/086097)
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[51] **Int.Cl. H02K 9/18 (2006.01) H02K 9/10 (2006.01) H02K 1/20 (2006.01)**
[25] EN
[54] **ATTACHMENT COOLER OF A DYNAMO-ELECTRIC MACHINE WITH PLATE COOLERS**
[54] **REFROIDISSEUR ACCESSOIRE DE MACHINE DYNAMO-ELECTRIQUE A REFROIDISSEURS A PLAQUES**
[72] KROMPASKY, ERIK, CZ
[72] LUNACEK, ONDREJ, CZ
[72] RUT, MARTIN, CZ
[71] INNOMOTICS GMBH, DE
[85] 2024-06-12
[86] 2022-11-08 (PCT/EP2022/081066)
[87] (WO2023/110218)
[30] EP (21214794.6) 2021-12-15

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[13] A1
[51] **Int.Cl. H04N 13/327 (2018.01) H04N 13/239 (2018.01) H04N 13/344 (2018.01)**
[25] EN
[54] **VALIDATION SYSTEM FOR VIRTUAL REALITY (VR) HEAD MOUNTED DISPLAY (HMD)**
[54] **SYSTEME DE VALIDATION POUR VISIOCASQUE (HMD) DE REALITE VIRTUELLE (VR)**
[72] MARTY, CHRISTIAN, CH
[72] LOCHER, SIMON, CH
[71] LOFT DYNAMICS AG, CH
[85] 2024-06-12
[86] 2022-12-13 (PCT/EP2022/085573)
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[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/4375 (2006.01) C07D 471/04 (2006.01)**
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[54] **INHIBITORS OF MET KINASE**
[54] **INHIBITEURS DE KINASE MET**
[72] OUYANG, XIAOHU S., US
[72] KANOUNI, TOUFIKE, US
[72] TYHONAS, JOHN S., US
[72] COX, JASON M., US
[72] KANIA, ROBERT, US
[71] KINNATE BIOPHARMA INC., US
[85] 2024-06-12
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[87] (WO2023/114809)
[30] US (63/290,291) 2021-12-16
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[30] US (63/380,049) 2022-10-18
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[51] **Int.Cl. C07D 401/06 (2006.01) A01N 43/50 (2006.01) A01N 43/56 (2006.01) A01N 43/647 (2006.01) A01N 43/653 (2006.01) C07D 471/04 (2006.01) C07D 491/04 (2006.01)**
[25] EN
[54] **HERBICIDAL PYRIDONE DERIVATIVES**
[54] **DERIVES DE PYRIDONE HERBICIDES**
[72] WHALLEY, LOUISA, GB
[72] MORRIS, JAMES ALAN, GB
[72] MARTIN, CHRISTOPHER JAMES, GB
[72] MUNNS, GORDON RICHARD, GB
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2024-06-12
[86] 2022-12-09 (PCT/EP2022/085139)
[87] (WO2023/110664)
[30] EP (21215564.2) 2021-12-17

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[51] **Int.Cl. H04B 7/185 (2006.01)**
[25] EN
[54] **HANDOVER REDUCTION IN SATELLITE COMMUNICATION SYSTEMS**
[54] **REDUCTION DU TRANSFERT DANS DES SYSTEMES DE COMMUNICATION PAR SATELLITE**
[72] BHARADWAJ, GAUTHAM, US
[72] KRISHNA, SUBRAMANYA BAYAR, US
[72] ARUR, DEEPAK MANOHAR, US
[72] RAVISHANKAR, CHANNASANDRA, US
[72] BARNETT, CHARLES A., US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2024-06-12
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[30] US (17/563,801) 2021-12-28

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[51] **Int.Cl. A01N 25/28 (2006.01) A01N 41/10 (2006.01) A01N 43/653 (2006.01) A01N 43/707 (2006.01)**
[25] EN
[54] **AGROCHEMICAL COMPOSITIONS**
[54] **COMPOSITIONS AGROCHIMIQUES**
[72] NELSON, KINGSLEY HORTON JR, US
[72] KESLER, DALLAS GUY, US
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2024-06-12
[86] 2022-12-12 (PCT/EP2022/085406)
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[51] **Int.Cl. G05D 7/06 (2006.01) H04W 80/04 (2009.01) G06Q 50/02 (2012.01) A01B 76/00 (2006.01) H04L 12/66 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF CONTROLLING RESOURCE DISTRIBUTION TO A FIELD**
[54] **SYSTEMES ET PROCEDES DE COMMANDE DE DISTRIBUTION DE RESSOURCES A UN CHAMP**
[72] CHEN, ARTHUR, CA
[72] KOZAK, ROMAN ANDREW, CA
[72] JIANG, YU ZHENG, CA
[72] JU, CHARLES YICHENG, CA
[72] TEWFIK, ANDRE PETER KAMAL, CA
[71] VERDI EXPEDITIONS INC., CA
[85] 2024-06-12
[86] 2023-01-11 (PCT/IB2023/050267)
[87] (WO2023/135537)
[30] US (17/576,499) 2022-01-14

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[13] A1
[51] **Int.Cl. H04L 67/306 (2022.01) G06Q 50/16 (2024.01)**
[25] EN
[54] **SERVER AND METHOD FOR GENERATING DIGITAL CONTENT FOR USERS OF A RECOMMENDATION SYSTEM**
[54] **SERVEUR ET PROCEDE DE GENERATION DE CONTENU NUMERIQUE POUR DES UTILISATEURS D'UN SYSTEME DE RECOMMANDATION**
[72] GRAPPIN, EDWIN, FR
[72] VERDIER, JEROME, CA
[71] COMMUNAUTE WOOPEN INC., CA
[85] 2024-06-12
[86] 2022-12-13 (PCT/IB2022/062135)
[87] (WO2023/111842)
[30] EP (21306761.4) 2021-12-13

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[13] A1
[51] **Int.Cl. C04B 14/28 (2006.01) C01F 11/18 (2006.01) C04B 28/04 (2006.01)**
[25] EN
[54] **METHODS OF PRODUCING A BUILDING MATERIAL**
[54] **PROCEDES DE PRODUCTION D'UN MATERIAU DE CONSTRUCTION**
[72] CONSTANTZ, BRENT R., US
[72] KANG, SEUNG-HEE, US
[72] LEVEY, CATHERINE, US
[72] SCHNEIDER, JACOB, US
[71] BLUE PLANET SYSTEMS CORPORATION, US
[85] 2024-06-12
[86] 2022-12-19 (PCT/US2022/053394)
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[30] US (63/291,767) 2021-12-20

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[13] A1
[25] EN
[54] **BIOMARKERS FOR THE PREDICTION OF PRETERM BIRTH**
[54] **BIOMARQUEURS DE PREDICTION DE NAISSANCE PREMATUREE**
[72] BUJOLD, EMMANUEL, CA
[72] JARDIN-WATELET, BENEDICTE, FR
[72] ESPINASSE, DELPHINE, FR
[72] INCAMPS, ANNE, FR
[72] HAUSMANN, MICHAEL, DE
[72] REBILLARD, PAULINE, FR
[71] UNIVERSITE LAVAL, CA
[71] CEZANNE S.A.S., FR
[71] B.R.A.H.M.S GMBH, DE
[85] 2024-06-12
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[13] A1
[51] **Int.Cl. A01N 43/54 (2006.01)**
[25] EN
[54] **FUNGICIDAL COMPOSITIONS**
[54] **COMPOSITIONS FONGICIDES**
[72] BOYLES, CLAIRE, GB
[72] WESLEY, ROBIN, GB
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2024-06-12
[86] 2022-12-14 (PCT/EP2022/085844)
[87] (WO2023/117625)
[30] EP (21216791.0) 2021-12-22

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[13] A1
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING CANCERS OF THE CENTRAL NERVOUS SYSTEM (CNS), INCLUDING GLIOBLASTOMA AND CHEMORESISTANT CNS TUMORS, AND RELATED COMPOSITIONS AND METHODS FOR INHIBITING AND ELIMINATING CNS CANCER STEM CELL**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE CANCERS DU SYSTEME NERVEUX CENTRAL (SNC), COMPRENANT UN GLIOBLASTOME ET DES TUMEURS DU SNC CHIMIORESISTANTES, ET COMPOSITIONS ET METHODES ASSOCIEES POUR INHIBER ET ELIMINER DES CELLULES SOUCHES DU CANCER DU SN**
[72] RADIN, DANIEL PIERCE, US
[71] RADIN, DANIEL PIERCE, US
[85] 2024-06-12
[86] 2022-12-13 (PCT/US2022/052760)
[87] (WO2023/114245)
[30] US (63/289,630) 2021-12-14
[30] US (63/421,503) 2022-11-01

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[13] A1
[25] EN
[54] **CRISPR ENZYMES, METHZODS, SYSTEMS AND USES THEREOF**
[54] **NOUVELLES ENZYMES CRISPR, METHODES, SYSTEMES ET UTILISATIONS ASSOCIEES**
[72] ZETSCHE, BERND, US
[72] BORN, DAVID A., US
[72] BARRERA, LUIS, US
[71] BEAM THERAPEUTICS, INC., US
[85] 2024-06-12
[86] 2022-12-16 (PCT/US2022/081728)
[87] (WO2023/114953)
[30] US (63/291,252) 2021-12-17

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[13] A1
[51] **Int.Cl. A62B 7/00 (2006.01) A62B 7/12 (2006.01) A62B 17/04 (2006.01)**
[25] EN
[54] **SYSTEMS, DEVICES, AND METHODS FOR PROTECTING AGAINST RESPIRATORY HAZARDS USING DIFFERENT MODES**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES DE PROTECTION CONTRE DES DANGERS RESPIRATOIRES A L'AIDE DE DIFFERENTS MODES**
[72] ANGEL, HAROLD ALEXANDER, CA
[72] BRAY-MINERS, JORDAN JAMES, CA
[71] HUMANSYSTEMS INCORPORATED, CA
[85] 2024-06-12
[86] 2022-12-02 (PCT/CA2022/051773)
[87] (WO2023/108258)
[30] US (17/555,041) 2021-12-17

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[13] A1
[51] **Int.Cl. H02M 1/42 (2007.01)**
[25] EN
[54] **METHOD FOR PROVIDING SINUSOIDAL PHASE CURRENTS, WITH CONTROLLING AND CHARGING**
[54] **PROCEDE DE FOURNITURE DE COURANTS DE PHASE SINUSOIDAUX AVEC ACTIONNEMENT ET CHARGE**
[72] FESSELER, AARON, DE
[71] ACD ANTRIEBSTECHNIK GMBH, DE
[85] 2024-06-12
[86] 2022-12-13 (PCT/EP2022/085671)
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[30] LU (LU501001) 2021-12-13

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[51] **Int.Cl. H04W 4/70 (2018.01) H04L 9/40 (2022.01) H04L 67/12 (2022.01)**
[25] EN
[54] **CONSUMER ACCESS DEVICE**
[54] **DISPOSITIF D'ACCES CONSOMMATEUR**
[72] STEELE, PHILIP RENWELL, GB
[71] KRAKEN TECHNOLOGIES LIMITED, GB
[85] 2024-06-12
[86] 2022-12-15 (PCT/GB2022/053251)
[87] (WO2023/111575)
[30] GB (2118215.9) 2021-12-15
[30] GB (2118216.7) 2021-12-15

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[13] A1
[51] **Int.Cl. C07C 67/52 (2006.01) C07C 69/54 (2006.01)**
[25] EN
[54] **A PROCESS FOR PURIFICATION OF CRUDE METHYL METHACRYLATE**
[54] **PROCEDE DE PURIFICATION DE METHACRYLATE DE METHYLE BRUT**
[72] CLARKE, ADAM JAMES, GB
[72] HJALMARSSON, LARS ANDERS NICKLAS, GB
[71] MITSUBISHI CHEMICAL UK LIMITED, GB
[85] 2024-06-12
[86] 2022-12-12 (PCT/GB2022/053179)
[87] (WO2023/111533)
[30] GB (2118029.4) 2021-12-13

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[13] A1
[51] **Int.Cl. C09K 5/08 (2006.01) C10M 169/04 (2006.01)**
[25] EN
[54] **ORGANIC HEAT TRANSFER SYSTEM, METHOD AND FLUID**
[54] **SYSTEME, PROCEDE ET FLUIDE DE TRANSFERT DE CHALEUR ORGANIQUE**
[72] MCFADDEN, CHRISTOPHER F., US
[72] RICHENDERFER, ANDREW J., US
[72] ABRAHAM, WILLIAM D., US
[72] SAMMUT, ALEXANDER, US
[72] SHORT, AMY L., US
[71] THE LUBRIZOL CORPORATION, US
[85] 2024-06-12
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[87] (WO2023/114449)
[30] US (63/290,168) 2021-12-16

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[13] A1
[51] **Int.Cl. A61K 47/69 (2017.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TARGETED DELIVERY OF THERAPEUTIC AND/OR DIAGNOSTIC SPECIES**
[54] **COMPOSITIONS ET METHODES DESTINEES A UNE ADMINISTRATION CIBLEE D?ESPECES THERAPEUTIQUES ET/OU DIAGNOSTIQUES**
[72] HAYES, DANIEL J., US
[72] ABU-LABAN, MOHAMMAD, US
[72] ALDEN, NICHOLAS ANDREW, US
[72] ARRIZABALAGA, JULIEN HENRI, US
[71] THE PENN STATE RESEARCH FOUNDATION, US
[85] 2024-06-12
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[87] (WO2023/114466)
[30] US (63/291,133) 2021-12-17

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[13] A1
[51] **Int.Cl. H04L 43/08 (2022.01) H04L 41/06 (2022.01) H04L 41/0681 (2022.01) H04L 41/14 (2022.01) H04L 67/14 (2022.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR MONITORING RELATED METRICS**
[54] **SYSTEME ET PROCEDES DE SURVEILLANCE DE METRIQUES ASSOCIEES**
[72] BLY, ADAM, US
[72] KANG, DAVID, US
[71] SYSTEM, INC., US
[85] 2024-06-12
[86] 2023-03-07 (PCT/US2023/014691)
[87] (WO2023/172541)
[30] US (63/318,170) 2022-03-09

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[13] A1
[25] EN
[54] **BULLET CAPTURING BALLISTIC SLUGS**
[54] **PROJECTILES BALISTIQUES DE CAPTURE DE BALLES**
[72] ELLIS, CHRISTIAN, US
[72] WEINRIB, BENJAMIN, US
[71] ALTERNATIVE BALLISTICS CORPORATION, US
[85] 2024-06-12
[86] 2022-12-12 (PCT/US2022/081356)
[87] (WO2023/114713)
[30] US (17/644,060) 2021-12-13

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[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 1/16 (2006.01) A61P 3/10 (2006.01) A61P 9/10 (2006.01) A61P 11/02 (2006.01) A61P 11/06 (2006.01) A61P 13/12 (2006.01) A61P 17/02 (2006.01) A61P 19/02 (2006.01) A61P 37/08 (2006.01)**
[25] EN
[54] **AZAINDOLE DERIVATIVE INHIBITING H-PGDS**
[54] **DERIVE D'AZAINDOLE INHIBANT H-PGDS**
[72] BABA, MOTOAKI, JP
[72] OKUI, TAKUMA, JP
[72] ITOH, YOSHIKI, JP
[71] SATO PHARMACEUTICAL CO., LTD., JP
[85] 2024-06-12
[86] 2022-12-16 (PCT/JP2022/046507)
[87] (WO2023/113023)
[30] JP (2021-204998) 2021-12-17

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[13] A1
[51] **Int.Cl. F02M 59/46 (2006.01) F02M 63/02 (2006.01)**
[25] EN
[54] **HIGH PRESSURE REGULATED FUEL RETURN APPARATUS FOR ENGINES USING DIRECT INJECTION FUEL SYSTEMS**
[54] **APPAREIL DE RETOUR DE CARBURANT REGULE A HAUTE PRESSION POUR MOTEURS UTILISANT DES SYSTEMES DE CARBURANT A INJECTION DIRECTE**
[72] THORN, BRANDON GEOFFREY, US
[72] VENEZIO, ALBERT III, US
[71] ICOM NORTH AMERICA LLC, US
[85] 2024-06-12
[86] 2022-12-12 (PCT/US2022/052506)
[87] (WO2023/114122)
[30] US (63/288,877) 2021-12-13

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[13] A1
[51] **Int.Cl. B42D 3/00 (2006.01)**
[25] EN
[54] **CASE FOR BINDING A BUNDLE OF LEAVES OR THE LIKE**
[54] **ETUI POUR LIER UNE LIASSE DE FEUILLES OU ANALOGUE**
[72] PELEMAN, GUIDO FRANS M, BE
[72] MORADIA, PAWAN, US
[71] PELEMAN INDUSTRIES NV, BE
[85] 2024-06-12
[86] 2023-01-27 (PCT/IB2023/050717)
[87] (WO2023/148590)
[30] BE (2022/0011) 2022-02-07

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[13] A1
[51] **Int.Cl. A61K 31/4045 (2006.01)**
[25] EN
[54] **AQUEOUS MELATONIN FORMULATION**
[54] **FORMULATION AQUEUSE DE MELATONINE**
[72] WAXEGARD, STAFFAN, SE
[71] AGB-PHARMA AB, SE
[85] 2024-06-12
[86] 2022-12-20 (PCT/EP2022/086992)
[87] (WO2023/118142)
[30] EP (21216042.8) 2021-12-20

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[13] A1
[51] **Int.Cl. A24F 40/53 (2020.01) A24F 40/60 (2020.01)**
[25] EN
[54] **FEEDBACK CUSTOMISATION FOR AN AEROSOL PROVISION SYSTEM**
[54] **PERSONNALISATION DE RETOUR D'INFORMATION POUR SYSTEME DE FOURNITURE D'AEROSOL**
[72] LUKAN, SEAN, US
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2024-06-12
[86] 2022-12-05 (PCT/GB2022/053085)
[87] (WO2023/111510)
[30] US (17/644,710) 2021-12-16

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[13] A1
[51] **Int.Cl. A24F 40/46 (2020.01) A24F 40/44 (2020.01) A24F 40/50 (2020.01) H05B 6/46 (2006.01)**
[25] EN
[54] **ELECTRONIC VAPOUR PROVISION DEVICE**
[54] **DISPOSITIF DE FOURNITURE DE VAPEUR ELECTRONIQUE**
[72] MUSGRAVE, DAMYN, GB
[72] WOOD, JASON, US
[72] SHORT, JASON, US
[72] SEARS, STEPHEN, US
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2024-06-12
[86] 2022-12-19 (PCT/EP2022/086722)
[87] (WO2023/111357)
[30] US (63/265,651) 2021-12-17
[30] US (63/265,654) 2021-12-17
[30] US (63/265,655) 2021-12-17
[30] US (63/265,656) 2021-12-17
[30] GB (2209044.3) 2022-06-20
[30] GB (2209040.1) 2022-06-20
[30] GB (2209050.0) 2022-06-20
[30] GB (2209031.0) 2022-06-20
[30] US (63/383,895) 2022-11-15

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[13] A1
[51] **Int.Cl. A24F 40/46 (2020.01) A24F 40/44 (2020.01) A24F 40/50 (2020.01) H05B 6/46 (2006.01)**
[25] EN
[54] **ELECTRONIC VAPOUR PROVISION DEVICE**
[54] **DISPOSITIF ELECTRONIQUE DE FOURNITURE DE VAPEUR**
[72] MUSGRAVE, DAMYN, GB
[72] WOOD, JASON, US
[72] SHORT, JASON, US
[72] SEARS, STEPHEN, US
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2024-06-12
[86] 2022-12-19 (PCT/EP2022/086784)
[87] (WO2023/111359)
[30] US (63/265,651) 2021-12-17
[30] US (63/265,654) 2021-12-17
[30] US (63/265,655) 2021-12-17
[30] US (63/265,656) 2021-12-17
[30] GB (2209044.3) 2022-06-20
[30] GB (2209040.1) 2022-06-20
[30] GB (2209050.0) 2022-06-20
[30] GB (2209031.0) 2022-06-20
[30] US (63/383,895) 2022-11-15

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[13] A1
[51] **Int.Cl. A24F 40/46 (2020.01) A24F 40/50 (2020.01) H05B 6/46 (2006.01)**
[25] EN
[54] **ELECTRONIC VAPOUR PROVISION DEVICE**
[54] **DISPOSITIF DE FOURNITURE DE VAPEUR ELECTRONIQUE**
[72] MUSGRAVE, DAMYN, GB
[72] WOOD, JASON, US
[72] SHORT, JASON, US
[72] SEARS, STEPHEN, US
[71] NICOVENTURES HOLDINGS LIMITED, GB
[85] 2024-06-12
[86] 2022-12-19 (PCT/EP2022/086796)
[87] (WO2023/111360)
[30] US (63/265,651) 2021-12-17
[30] US (63/265,654) 2021-12-17
[30] US (63/265,655) 2021-12-17
[30] US (63/265,656) 2021-12-17
[30] GB (2209044.3) 2022-06-20
[30] GB (2209040.1) 2022-06-20
[30] GB (2209050.0) 2022-06-20
[30] GB (2209031.0) 2022-06-20
[30] US (63/383,895) 2022-11-15

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[13] A1
[51] **Int.Cl. A24F 40/46 (2020.01) A24F 40/50 (2020.01) H05B 6/46 (2006.01)**
[25] EN
[54] **ELECTRONIC VAPOUR PROVISION DEVICE**
[54] **DISPOSITIF ELECTRONIQUE DE FOURNITURE DE VAPEUR**
[72] MUSGRAVE, DAMYN, GB
[72] WOOD, JASON, US
[72] SHORT, JASON, US
[72] SEARS, STEPHEN, US
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2024-06-12
[86] 2022-12-19 (PCT/EP2022/086801)
[87] (WO2023/111362)
[30] US (63/265,651) 2021-12-17
[30] US (63/265,654) 2021-12-17
[30] US (63/265,655) 2021-12-17
[30] US (63/265,656) 2021-12-17
[30] GB (2209044.3) 2022-06-20
[30] GB (2209040.1) 2022-06-20
[30] GB (2209050.0) 2022-06-20
[30] GB (2209031.0) 2022-06-20
[30] US (63/383,895) 2022-11-15

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[13] A1
[51] **Int.Cl. A24F 40/40 (2020.01)**
[25] EN
[54] **CARTOMISER**
[54] **CARTOMISEUR**
[72] ROTHWELL, HOWARD, GB
[72] DANIELS, CHRISTOPHER, GB
[72] WOODMAN, TOM, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2024-06-12
[86] 2022-12-21 (PCT/GB2022/053342)
[87] (WO2023/118864)
[30] GB (2118793.5) 2021-12-22
[30] GB (2206239.2) 2022-04-28

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[13] A1
[51] **Int.Cl. A24F 40/485 (2020.01) A24F 40/40 (2020.01) A24F 40/42 (2020.01)**
[25] EN
[54] **PROVISION SYSTEM**
[54] **SYSTEME DE FOURNITURE**
[72] ROTHWELL, HOWARD, GB
[72] DANIELS, CHRISTOPHER, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2024-06-12
[86] 2022-12-09 (PCT/GB2022/053151)
[87] (WO2023/118789)
[30] GB (2118826.3) 2021-12-22

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[13] A1
[51] **Int.Cl. A24F 40/46 (2020.01) A24F 40/70 (2020.01)**
[25] EN
[54] **DELIVERY SYSTEM**
[54] **SYSTEME DE DISTRIBUTION**
[72] SHERIDAN, JAMES, GB
[72] SUTTON, JOSEPH PETER, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2024-06-12
[86] 2022-12-09 (PCT/GB2022/053153)
[87] (WO2023/118790)
[30] GB (2118849.5) 2021-12-22

[21] **3,240,939**
[13] A1
[25] EN
[54] **CLEANING, FILLING, AND CAPPING CONTAINERS**
[54] **CONTENEURS DE NETTOYAGE, DE REMPLISSAGE ET DE COIFFAGE**
[72] DIBBLE, JASON, US
[72] HAYDT, MARC, US
[72] HILTON, ZACH, US
[71] BOOMERANG WATER, LLC, US
[85] 2024-06-13
[86] 2022-12-13 (PCT/US2022/052724)
[87] (WO2023/114220)
[30] US (17/549,134) 2021-12-13
[30] US (17/893,843) 2022-08-23

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[13] A1
[51] **Int.Cl. G01V 99/00 (2024.01) E21B 41/00 (2006.01) E21B 43/16 (2006.01)**
[25] EN
[54] **HYDRATE OPERATIONS SYSTEM**
[54] **SYSTEME D'OPERATIONS D'HYDRATE**
[72] MANAI, TAOUFIK, FR
[72] MAHGOUB AHMED, MOHAMED OSMAN, AE
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2024-05-29
[86] 2022-11-30 (PCT/US2022/051401)
[87] (WO2023/102046)
[30] US (63/284,531) 2021-11-30

[21] **3,240,942**
[13] A1
[51] **Int.Cl. C08G 18/18 (2006.01) C08G 18/20 (2006.01) C08G 18/24 (2006.01) C08G 18/30 (2006.01) C08G 18/32 (2006.01) C08G 18/48 (2006.01) C08G 18/66 (2006.01) C08G 18/76 (2006.01)**
[25] EN
[54] **POLYETHER POLYOL COMPOSITION FOR PRODUCING VISCOELASTIC POLYURETHANE FOAMS**
[54] **COMPOSITION DE POLYOL DE POLYETHER PERMETTANT DE PRODUIRE DES MOUSSES DE POLYURETHANE VISCOELASTIQUES**
[72] BARTNICKI, LUKASZ, PL
[72] SALASA, MICHAL, PL
[72] WROBLEWSKA, MAGDALENA, PL
[72] MAKULA, LUKASZ, PL
[71] PCC ROKITA SPOLKA AKCYJNA, PL
[85] 2024-05-29
[86] 2023-01-11 (PCT/PL2023/050002)
[87] (WO2023/146423)
[30] EP (22461502.1) 2022-01-27

[21] **3,240,943**
[13] A1
[51] **Int.Cl. C09K 8/74 (2006.01) E21B 43/27 (2006.01)**
[25] EN
[54] **SINGLE-PHASE RETARDED ACID SYSTEMS USING AMINO ACIDS**
[54] **SYSTEMES ACIDES RETARDES MONOPHASIQUES UTILISANT DES ACIDES AMINES**
[72] ZHAO, HAIYAN, US
[72] ZIAUDDIN, MURTAZA, US
[72] ENKABABIAN, PHILIPPE, AE
[72] YUSUF, TEMILOLUWA, US
[72] ABIVIN, PATRICE, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2024-05-29
[86] 2022-11-30 (PCT/US2022/051322)
[87] (WO2023/102001)
[30] US (63/284,547) 2021-11-30

[21] **3,240,944**
[13] A1
[51] **Int.Cl. E03B 7/12 (2006.01) G01K 13/02 (2021.01)**
[25] EN
[54] **ELECTRONIC FAUCET INCLUDING A SCHEDULER**
[54] **ROBINET INTELLIGENT COMPRENANT UN PROGRAMMATEUR**
[72] SAWASKI, JOEL D., US
[72] ROSKO, MICHAEL SCOT, US
[71] DELTA FAUCET COMPANY, US
[85] 2024-06-13
[86] 2022-12-19 (PCT/US2022/053362)
[87] (WO2023/114540)
[30] US (63/290,990) 2021-12-17

[21] **3,240,946**
[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01)**
[25] EN
[54] **CELL TARGETING COMPOSITIONS AND METHODS**
[54] **COMPOSITIONS ET METHODES DE CIBLAGE CELLULAIRE**
[72] RADOVICH, MILAN, US
[72] SOLZAK, JEFFREY, US
[72] WANG, CHAO, US
[71] THE TRUSTEES OF INDIANA UNIVERSITY, US
[85] 2024-06-13
[86] 2022-12-15 (PCT/US2022/081619)
[87] (WO2023/114887)
[30] US (63/289,788) 2021-12-15

[21] **3,240,947**
[13] A1
[51] **Int.Cl. C12N 15/53 (2006.01) A61K 48/00 (2006.01) A61P 25/00 (2006.01) C12N 15/864 (2006.01) C12N 9/02 (2006.01)**
[25] EN
[54] **GENE THERAPY IN SUCCINIC SEMIALDEHYDE DEHYDROGENASE DEFICIENCY (SSADHD)**
[54] **THERAPIE GENIQUE DANS UNE DEFICIENCE EN SEMIALDEHYDE DESHYDROGENASE SUCCINIQUE (SSADHD)**
[72] ROTENBERG, ALEXANDER, US
[72] LEE, HING CHEONG, US
[72] PEARL, PHILLIP LAWRENCE, US
[71] THE CHILDREN'S MEDICAL CENTER CORPORATION, US
[85] 2024-05-29
[86] 2022-12-02 (PCT/US2022/080806)
[87] (WO2023/102519)
[30] US (63/285,432) 2021-12-02

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[13] A1
[51] **Int.Cl. C12N 15/85 (2006.01) A61K 31/712 (2006.01) A61K 31/713 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF PAIN**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE LA DOULEUR**
[72] MCDONOUGH, STEFAN I., US
[72] GALLANT-BEHM, CORRIE, US
[72] HASSLER, MATTHEW, US
[72] CURTIS, DANIEL, US
[72] GODINHO, BRUNO MIGUEL DA CRUZ, US
[71] ATALANTA THERAPEUTICS, INC., US
[85] 2024-05-29
[86] 2022-12-01 (PCT/US2022/080764)
[87] (WO2023/102488)
[30] US (63/284,957) 2021-12-01

[21] **3,240,950**
[13] A1
[51] **Int.Cl. C07C 233/60 (2006.01) A61K 31/192 (2006.01)**
[25] EN
[54] **DHODH INHIBITORS CONTAINING A CARBOXYLIC ACID BIOISOSTERE**
[54] **INHIBITEURS DE DHODH CONTENANT UN BIOISOSTERE D'ACIDE CARBOXYLIQUE**
[72] GEGE, CHRISTIAN, DE
[72] MUHLER, ANDREAS, DE
[72] KOHLHOF, HELLA, DE
[72] VITT, DANIEL, DE
[71] IMMUNIC AG, DE
[85] 2024-06-13
[86] 2022-12-23 (PCT/EP2022/087752)
[87] (WO2023/118576)
[30] EP (21217534.3) 2021-12-23
[30] EP (22201158.7) 2022-10-12

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[13] A1
[51] **Int.Cl. G06F 16/535 (2019.01) G06F 16/538 (2019.01) G06F 16/54 (2019.01) G06F 16/55 (2019.01) G06F 16/583 (2019.01) G06V 10/40 (2022.01) G06V 20/70 (2022.01)**
[25] EN
[54] **AI-POWERED RAW FILE MANAGEMENT**
[54] **GESTION DE FICHIERS BRUTS OPTIMISEE PAR IA**
[72] DEFFLEY, EVAN CHRISTOPHER, US
[72] RAHN, NATHAN COSMO, US
[72] YANG, BOBBY, US
[72] KONG-SANTOS, KASERIN TAMMIE, US
[72] MACASKILL, DON, US
[72] FENTON, BRIAN, US
[72] PARRY, DAVID, US
[72] WILSON, MIKKEL, US
[72] BOYD, KEVIN, US
[72] SHEPHERD, LEE, US
[72] RUIZ, ANDRES, US
[72] GIBERTI, ERIK, US
[72] TSAI, IVY, US
[71] AWES.ME, INC., US
[85] 2024-05-29
[86] 2022-12-05 (PCT/US2022/051874)
[87] (WO2023/102271)
[30] US (63/285,809) 2021-12-03

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[13] A1
[51] **Int.Cl. A61B 3/12 (2006.01)**
[25] EN
[54] **FEATURE LOCATION TECHNIQUES FOR RETINA FUNDUS IMAGES AND/OR MEASUREMENTS**
[54] **TECHNIQUES DE LOCALISATION DE CARACTERISTIQUES POUR DES IMAGES ET/OU DES MESURES DE FOND D'OEIL**
[72] YILDIZ, MUHAMED VEYSI, US
[72] RALSTON, TYLER S., US
[72] ARIENZO, MAURIZIO, US
[71] TESSERACT HEALTH, INC., US
[85] 2024-05-29
[86] 2022-11-30 (PCT/US2022/051460)
[87] (WO2023/102081)
[30] US (63/284,791) 2021-12-01

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[13] A1
[51] **Int.Cl. A61K 31/437 (2006.01) A61K 47/54 (2017.01) A61K 31/4406 (2006.01) A61K 31/4439 (2006.01) A61K 31/4523 (2006.01) A61K 31/454 (2006.01) A61K 31/4545 (2006.01) A61K 31/506 (2006.01) A61K 31/513 (2006.01) A61K 31/519 (2006.01) A61K 31/704 (2006.01) A61K 31/7068 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY OF HYPOXIA-RESPONSIVE PRODRUG OF AN ANTICANCER DRUG AND RADIOTHERAPY,AND NOVEL HYPOXIA-RESPONSIVE PRODRUG**
[54] **POLYTHERAPIE COMPRENANT UNE RADIOTHERAPIE ET UN PROMEDICAMENT REAGISSANT A L'HYPOXIE D'UN MEDICAMENT ANTICANCEREUX, ET NOUVEAU PROMEDICAMENT REAGISSANT A L'HYPOXIE**
[72] IKEDA, YUTAKA, JP
[72] NAGASAKI, YUKIO, JP
[71] UNIVERSITY OF TSUKUBA, JP
[85] 2024-05-29
[86] 2022-12-14 (PCT/JP2022/046076)
[87] (WO2023/120331)
[30] JP (2021-207215) 2021-12-21

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[13] A1
[51] **Int.Cl. H01Q 1/00 (2006.01) H01Q 21/00 (2006.01) H01Q 21/06 (2006.01)**
[25] FR
[54] **ACTIVE ANTENNA ESPECIALLY FOR THE SPACE-TECHNOLOGY FIELD**
[54] **ANTENNE ACTIVE NOTAMMENT POUR LE DOMAINE SPATIAL**
[72] SIMON, CORALINE, FR
[72] KIRSCH, MARTIN, DE
[72] SCHIEBER, KLAUS, DE
[71] AIRBUS DEFENCE AND SPACE SAS, FR
[71] TESAT-SPACECOM GMBH & CO. KG, DE
[85] 2024-06-13
[86] 2022-12-14 (PCT/EP2022/085823)
[87] (WO2023/111001)
[30] FR (2113575) 2021-12-15

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[13] A1
[25] EN
[54] **SESTRIN-MAPK COMPLEX INHIBITORS**
[54] **INHIBITEURS DE COMPLEXES SESTRINE-MAPK**
[72] LANNA, ALESSIO, IT
[71] SENTCELL LTD, GB
[85] 2024-06-13
[86] 2021-12-24 (PCT/IT2021/000059)
[87] (WO2023/119337)

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[13] A1
[51] **Int.Cl. C08K 9/06 (2006.01) C08K 5/14 (2006.01) C08L 83/06 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING A MIXED FILLER**
[54] **PROCEDE DE PRODUCTION D'UNE CHARGE MIXTE**
[72] MUELLER, BRIAN, US
[72] SHERWOOD, WALTER, US
[71] SEMPLASTICS, LLC, US
[85] 2024-06-13
[86] 2022-12-14 (PCT/US2022/052842)
[87] (WO2023/114297)
[30] US (63/289,433) 2021-12-14

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[13] A1
[51] **Int.Cl. H04W 4/02 (2018.01) H04W 40/12 (2009.01) H04W 84/12 (2009.01) H04W 88/04 (2009.01) H04W 88/16 (2009.01) H04W 4/029 (2018.01) H04W 4/33 (2018.01) H04W 4/80 (2018.01) H04L 45/122 (2022.01) G01S 1/02 (2010.01) G01S 1/68 (2006.01) H04B 1/38 (2015.01)**
[25] EN
[54] **COMPUTER NETWORK FOR LOCATION AND DATA TRANSFER**
[54] **RESEAU INFORMATIQUE POUR LA LOCALISATION ET LE TRANSFERT DE DONNEES**
[72] BAUDIA, CHRISTOPHE, AU
[71] GEOMOBY PTY LTD, AU
[85] 2024-06-13
[86] 2022-12-16 (PCT/AU2022/051530)
[87] (WO2023/108231)
[30] AU (2021904093) 2021-12-16

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[13] A1
[51] **Int.Cl. A61P 11/14 (2006.01)**
[25] EN
[54] **POWDERS FOR INHALATION AND PRODUCTION PROCESS THEREOF**
[54] **POUDRES POUR INHALATION ET LEUR PROCEDE DE PRODUCTION**
[72] BETTINI, RUGGERO, IT
[72] BUTTINI, FRANCESCA, IT
[72] FONTANA, GIOVANNI, IT
[72] LAVORINI, FEDERICO, IT
[71] UNIVERSITA' DEGLI STUDI DI PARMA, IT
[71] UNIVERSITA' DEGLI STUDI DI FIRENZE, IT
[71] AZIENDA OSPEDALIERO-UNIVERSITARIA CAREGGI, IT
[85] 2024-06-13
[86] 2022-12-15 (PCT/IB2022/062286)
[87] (WO2023/111930)
[30] IT (102021000031637) 2021-12-17

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[13] A1
[51] **Int.Cl. A61K 31/138 (2006.01) A61K 31/05 (2006.01) A61K 31/135 (2006.01) A61K 31/365 (2006.01) A61K 31/426 (2006.01) A61K 31/4422 (2006.01) A61K 31/472 (2006.01) A61K 31/498 (2006.01) A61K 31/5415 (2006.01) A61K 31/58 (2006.01) A61K 31/593 (2006.01) A61K 31/675 (2006.01) A61K 31/7068 (2006.01) A61P 31/14 (2006.01) C07C 39/367 (2006.01) C07C 211/42 (2006.01) C07C 217/24 (2006.01) C07C 401/00 (2006.01) C07D 211/90 (2006.01) C07D 217/26 (2006.01) C07D 241/46 (2006.01) C07D 277/46 (2006.01) C07D 279/26 (2006.01) C07D 307/88 (2006.01) C07F 9/6561 (2006.01) C07H 19/067 (2006.01) C07J 71/00 (2006.01)**
[25] EN
[54] **DRUG COMBINATIONS FOR INHIBITING CORONAVIRUS REPLICATION**
[54] **ASSOCIATIONS MEDICAMENTEUSES PERMETTANT D'INHIBER LA REPLICATION DE CORONAVIRUS**
[72] LAPLANTE, STEVEN, CA
[72] BOULON, RICHARD, CA
[72] MAZEAUD, CLEMENT, CA
[72] LAMARRE, ALAIN, CA
[72] CHATEL-CHAIX, LAURENT, CA
[71] INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE, CA
[85] 2024-06-13
[86] 2022-12-22 (PCT/CA2022/051888)
[87] (WO2023/115220)
[30] US (63/293,433) 2021-12-23

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[13] A1
[51] **Int.Cl. C08L 79/04 (2006.01) C08F 222/40 (2006.01) C08G 73/06 (2006.01) C08G 73/12 (2006.01) C08J 5/24 (2006.01) C08L 79/08 (2006.01)**
[25] EN
[54] **NOVEL COMPOSITIONS WITH IMPROVED CHARACTERISTICS**
[54] **NOUVELLES COMPOSITIONS A CARACTERISTIQUES AMELIOREES**
[72] LA DELFA, GAETANO, CH
[72] FOURNIER, JEAN, CH
[72] ABGOTTSPON, MAGNUS, CH
[72] MAYERHOEFFER, ULRICH, CH
[72] ELLINGER, STEFAN, CH
[71] ARXADA AG, CH
[85] 2024-05-29
[86] 2022-12-13 (PCT/EP2022/085525)
[87] (WO2023/110819)
[30] EP (21214407.5) 2021-12-14
[30] EP (22174003.8) 2022-05-18

[21] **3,240,965**
[13] A1
[25] EN
[54] **COMPOSITION COMPRISING DELTA-9-TETRAHYDROCANNABINOL AND TERPENES**
[54] **COMPOSITION COMPRENANT DU DELTA-9-TETRAHYDROCANNABINOL ET DES TERPENES**
[72] BAASCH, BASTIAN, DE
[72] FISCHER, CLEMENS, DE
[71] VERTANICAL GMBH, DE
[85] 2024-06-13
[86] 2023-01-31 (PCT/EP2023/052333)
[87] (WO2023/144420)
[30] EP (22154381.2) 2022-01-31
[30] EP (22154382.0) 2022-01-31
[30] EP (22154377.0) 2022-01-31
[30] EP (22154378.8) 2022-01-31
[30] EP (22154379.6) 2022-01-31
[30] EP (22154380.4) 2022-01-31
[30] EP (22154383.8) 2022-01-31
[30] EP (22 154 384.6) 2022-01-31

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[13] A1
[51] **Int.Cl. B29C 43/24 (2006.01) B29C 55/00 (2006.01) B29C 55/12 (2006.01) B29C 67/20 (2006.01) C08J 5/18 (2006.01)**
[25] EN
[54] **PASTE-PROCESSED ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE EXPANDED INTO DENSE ARTICLES**
[54] **POLYETHYLENE A POIDS MOLECULAIRE ULTRA ELEVE TRAITE A L'ETAT DE PATE ET EXPANSE EN ARTICLES DENSES**
[72] JACKMAN, SPENCER D., US
[72] STRID, JASON J., US
[72] SBRIGLIA, GUY A., US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2024-06-13
[86] 2022-12-08 (PCT/US2022/052245)
[87] (WO2023/114080)
[30] US (63/290,154) 2021-12-16

[21] **3,240,967**
[13] A1
[51] **Int.Cl. C12N 11/14 (2006.01) C12N 11/18 (2006.01)**
[25] EN
[54] **IMMOBILIZED ENZYMES FOR BIOELECTROCATALYSIS**
[54] **ENZYMES IMMOBILISEES POUR BIOELECTROCATALYSE**
[72] DAVIES, EMMANUELLE, CA
[72] GREENE, ROBERT, CA
[71] ANODYNE CHEMISTRIES, INC., CA
[85] 2024-06-13
[86] 2023-10-30 (PCT/US2023/078253)
[87] (WO2024/092281)
[30] US (63/420,521) 2022-10-28

[21] **3,240,970**
[13] A1
[51] **Int.Cl. B01F 31/40 (2022.01) B01F 31/441 (2022.01)**
[25] EN
[54] **A SINGLE-USE SYSTEM AND METHOD FOR CONTINUOUS HOMOGENIZATION OR LYSIS**
[54] **SYSTEME A USAGE UNIQUE ET PROCEDE POUR LYSE OU HOMOGENEISATION CONTINUE**
[72] MEHTA, SUNIL, US
[71] ATHEM LLC, US
[85] 2024-06-13
[86] 2023-03-02 (PCT/US2023/063562)
[87] (WO2023/141664)

[21] **3,240,971**
[13] A1
[25] EN
[54] **RECONFIGURABLE TRAY ENGAGING ASSEMBLY**
[54] **ENSEMBLE DE MISE EN PRISE DE PLATEAU RECONFIGURABLE**
[72] WALSH, JOSEPH C., US
[72] STRAND, SCOTT THOMAS, US
[72] WOODWARD, MARK, US
[71] GRAPHIC PACKAGING INTERNATIONAL, INC., US
[85] 2024-06-13
[86] 2022-12-20 (PCT/US2022/053457)
[87] (WO2023/122057)
[30] US (63/292,014) 2021-12-21

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[13] A1
[51] **Int.Cl. H01H 3/60 (2006.01) H01H 33/666 (2006.01)**
[25] EN
[54] **CIRCUIT INTERRUPTER WITH BRAKE SYSTEM FOR SHAFT THAT OPENS SEPARABLE CONTACTS**
[54] **INTERRUPTEUR DE CIRCUIT AVEC SYSTEME DE FREINAGE POUR ARBRE QUI OUVRE DES CONTACTS SEPARABLES**
[72] GOTTSCHALK, ANDREW L., US
[72] SLEPIAN, ROBERT MICHAEL, US
[72] ZHOU, XIN, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[85] 2024-06-13
[86] 2022-12-20 (PCT/EP2022/025585)
[87] (WO2023/126070)
[30] US (17/564,453) 2021-12-29

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[21] **3,240,974**
[13] A1
[51] **Int.Cl. A62C 2/24 (2006.01) E06B 9/84 (2006.01)**
[25] EN
[54] **IMPROVED OPERATOR GOVERNOR RELEASE FOR FIRE SHUTTERS**
[54] **LIBERATION AMELIOREE DE REGULATEUR D'OPERATEUR POUR VOLETS COUPE-FEU**
[72] FERNANDO, BRIAN RISHI KACHCHAKADUGE, US
[72] BULLEN, JOHN ELIAS, US
[72] DAWDY, DAVID, US
[71] CORNELLCOOKSON, LLC, US
[85] 2024-06-13
[86] 2022-10-06 (PCT/US2022/045834)
[87] (WO2023/121741)
[30] US (17/555,899) 2021-12-20

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[13] A1
[51] **Int.Cl. C25B 1/04 (2021.01) C25B 15/08 (2006.01)**
[25] EN
[54] **AUTOMATIC NITROGEN REPLACEMENT DEVICE THAT FILLS OF WATER ELECROLYSIS HYDROGEN MANUFACTURING**
[54] **DISPOSITIF AUTOMATIQUE DE REMPLISSAGE ET DE REMPLACEMENT D'AZOTE DESTINE A LA PRODUCTION D'HYDROGENE PAR ELECTROLYSE DE L'EAU**
[72] ZHAO, XIAOLIANG, CN
[72] SUN, JIANKANG, CN
[72] FU, RAO, CN
[72] LIU, ZILONG, CN
[71] JOHN COCKERILL HYDROGEN BELGIUM, BE
[85] 2024-06-13
[86] 2022-12-15 (PCT/EP2022/086146)
[87] (WO2023/111175)
[30] CN (202123157913 .9) 2021-12-15

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[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01)**
[25] EN
[54] **USE OF DUAL CYTOKINE FUSION PROTEINS COMPRISING IL-10 AND ADOPTIVE CELL THERAPIES OR BISPECIFIC T-CELL ENGAGERS TO TREAT CANCER**
[54] **UTILISATION DE PROTEINES DE FUSION A DOUBLE CYTOKINE COMPRENANT IL-10 ET THERAPIES CELLULAIRES ADOPTIVES OU ACTIVATEURS DE LYMPHOCYTES T BISPECIFIQUES POUR TRAITER LE CANCER**
[72] MUMM, JOHN, US
[71] DEKA BIOSCIENCES, INC., US
[85] 2024-06-13
[86] 2022-12-16 (PCT/US2022/081862)
[87] (WO2023/115033)
[30] US (63/265,521) 2021-12-16

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[13] A1
[51] **Int.Cl. C09J 163/00 (2006.01) B27N 1/02 (2006.01) B27N 3/00 (2006.01) B32B 21/00 (2006.01) C07D 307/44 (2006.01) C07D 307/48 (2006.01) C08G 59/40 (2006.01) C08K 5/06 (2006.01) C08K 5/07 (2006.01) C08K 5/1535 (2006.01) C09J 4/00 (2006.01) C08L 63/00 (2006.01) C09D 4/00 (2006.01) C09D 163/00 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF A BONDING RESIN**
[54] **PROCEDE DE PREPARATION D'UNE RESINE DE LIAISON**
[72] ZAFAR, ASHAR, SE
[72] ARESKOGH, DIMITRI, SE
[72] PHAM, HUYNH TRAM ANH, SE
[71] STORA ENSO OYJ, FI
[85] 2024-05-29
[86] 2022-12-19 (PCT/IB2022/062449)
[87] (WO2023/119107)
[30] SE (2151565-5) 2021-12-21

[21] **3,240,984**
[13] A1
[51] **Int.Cl. G11B 7/24047 (2013.01) G11B 7/0045 (2006.01) G11B 7/253 (2013.01)**
[25] EN
[54] **ULTRA-THIN DATA CARRIER AND METHOD OF READ-OUT**
[54] **SUPPORT DE DONNEES ULTRA-MINCE ET PROCEDE DE LECTURE**
[72] PFLAUM, CHRISTIAN, DE
[72] KUNZE, MARTIN, AT
[71] CERAMIC DATA SOLUTIONS GMBH, AT
[85] 2024-06-13
[86] 2022-12-09 (PCT/EP2022/085082)
[87] (WO2023/110647)
[30] EP (21214387.9) 2021-12-14
[30] EP (22156829.8) 2022-02-15

[21] **3,240,986**
[13] A1
[51] **Int.Cl. G10L 19/008 (2013.01)**
[25] EN
[54] **IVAS SPAR FILTER BANK IN QMF DOMAIN**
[54] **BANC DE FILTRES SPAR IVAS DANS LE DOMAINE QMF**
[72] MUNDT, HARALD, US
[72] VILLEMOES, LARS, US
[71] DOLBY INTERNATIONAL AB, IE
[85] 2024-05-29
[86] 2022-12-20 (PCT/EP2022/086987)
[87] (WO2023/118138)
[30] US (63/291,817) 2021-12-20

[21] **3,240,987**
[13] A1
[51] **Int.Cl. A23K 10/38 (2016.01) C12P 7/06 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS INVOLVING PROTEASES SPECIFIC FOR MANNOSE-MODIFIED PROTEINS**
[54] **COMPOSITIONS ET PROCEDES IMPLIQUANT DES PROTEASES SPECIFIQUES DE PROTEINES MODIFIEES PAR MANNOSE**
[72] KELEMEN, BRADLEY R., US
[72] CHOW, MARINA, US
[72] NOSE CROTTY, KIRSTIN Y., US
[72] GRAYCAR, THOMAS P., US
[72] MILLER, JEFFREY VEACH, US
[72] RABINOVICH, ROMAN, US
[72] ROTHMAN, STEVEN CARY, US
[72] STARR, TREVOR, US
[72] TANG, ZHONGMEI, XX
[72] TOPPOZADA, AMR R., US
[72] TSE, MONICA LESLY, US
[72] YAGER, JULIA, US
[72] ZHANG, ZHENGHONG, XX
[71] DANISCO US INC., US
[85] 2024-06-13
[86] 2022-12-15 (PCT/US2022/081696)
[87] (WO2023/114931)
[30] US (63/289,652) 2021-12-15

[21] **3,240,988**
[13] A1
[25] EN
[54] **EAR-TAG APPLICATOR**
[54] **APPLICATEUR D'ETIQUETTE D'OREILLE**
[72] TEYCHENE, BRUNO PHILIPPE JEAN, FR
[72] LE MAY, QUENTIN SERGE, FR
[72] WILKINSON, BENJAMIN THOMAS JOHN, AU
[71] ALLFLEX EUROPE SAS, FR
[71] ALLFLEX AUSTRALIA PTY LTD, AU
[85] 2024-06-13
[86] 2022-12-22 (PCT/IB2022/062648)
[87] (WO2023/119205)
[30] EP (21306911.5) 2021-12-23

[21] **3,240,989**
[13] A1
[25] EN
[54] **ACTIVE/PASSIVE COOLING SYSTEM WITH PUMPED REFRIGERANT**
[54] **SYSTEME DE REFROIDISSEMENT ACTIF/PASSIF AVEC REFRIGERANT POMPE**
[72] FANG, WEI, US
[72] NEUWALD, RAFAEL, US
[72] BOUCHER, MICHAEL, US
[71] MUNTERS CORPORATION, US
[85] 2024-06-13
[86] 2023-01-06 (PCT/US2023/060192)
[87] (WO2023/133478)
[30] US (63/297,000) 2022-01-06

[21] **3,240,991**
[13] A1
[51] **Int.Cl. A61P 31/04 (2006.01)**
[25] EN
[54] **GEPOTIDACIN AND VANCOMYCIN FOR USE IN THE TREATMENT OF AN INFECTION CAUSED BY STAPHYLOCOCCUS SAPROPHYTICUS**
[54] **GEPOTIDACINE ET VANCOMYCINE A UTILISER DANS LE TRAITEMENT D'UNE INFECTION PROVOQUEE PAR STAPHYLOCOCCUS SAPROPHYTICUS**
[72] SCANGARELLA-OMAN, NICOLE, US
[72] WEST, JOSHUA, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
[85] 2024-06-13
[86] 2023-01-19 (PCT/EP2023/051177)
[87] (WO2023/139147)
[30] US (63/301,522) 2022-01-21

[21] **3,240,994**
[13] A1
[51] **Int.Cl. A61K 38/22 (2006.01) A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 47/02 (2006.01) A61K 47/18 (2017.01)**
[25] EN
[54] **LIQUID FORMULATIONS OF AMYLIN ANALOGUES**
[54] **FORMULATIONS LIQUIDES D'ANALOGUES D'AMYLINE**
[72] LUNDQVIST, JOAKIM, DK
[71] ZEALAND PHARMA A/S, DK
[85] 2024-05-29
[86] 2023-05-30 (PCT/EP2023/064395)
[87] (WO2023/232781)
[30] EP (22176247.9) 2022-05-30

[21] **3,240,995**
[13] A1
[51] **Int.Cl. H01L 23/367 (2006.01) F21V 29/503 (2015.01) F21V 29/75 (2015.01) F21V 29/76 (2015.01) F21V 29/507 (2015.01)**
[25] EN
[54] **LIGHT FIXTURE INCLUDING HEAT SINK FOR SUPPORTING LIGHTING MODULE**
[54] **LUMINAIRE COMPRENANT UN DISSIPATEUR THERMIQUE POUR PERMETTRE LE FONCTIONNEMENT D'UN MODULE D'ECLAIRAGE**
[72] CAI, DENGKE, US
[71] HGCI, INC., US
[85] 2024-06-13
[86] 2023-01-09 (PCT/US2023/010408)
[87] (WO2023/133318)
[30] US (63/297,713) 2022-01-08

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[13] A1
[51] **Int.Cl. G01N 29/024 (2006.01) G01N 13/02 (2006.01) G01N 29/036 (2006.01)**
[25] EN
[54] **AN ANALYTICAL METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL D'ANALYSE**
[72] SHRIVASTAVA, SHAMIT, GB
[71] APOHA LIMITED, GB
[85] 2024-06-13
[86] 2022-12-21 (PCT/GB2022/053349)
[87] (WO2023/118869)
[30] GB (2118695.2) 2021-12-21

[21] **3,240,997**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **TREATMENT OF LUNG CONDITIONS WITH INTEGRIN SUBUNIT ALPHA 1 (ITGA1) INHIBITORS**
[54] **TRAITEMENT D'AFFECTIONS PULMONAIRES AVEC INHIBITEURS DE SOUS-UNITES D'INTEGRINE ALPHA 1 (ITGA1)**
[72] FERREIRA, MANUEL ALLEN REVEZ, US
[72] HOROWITZ, JULIE E., US
[72] SIMINOVITCH, KATHERINE, US
[72] ABECASIS, GONCALO, US
[72] BARAS, ARIS, US
[72] SUCIU, MARIA CRISTINA, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2024-05-30
[86] 2022-12-16 (PCT/US2022/081750)
[87] (WO2023/114969)
[30] US (63/291,194) 2021-12-17

[21] **3,240,999**
[13] A1
[51] **Int.Cl. A61K 31/713 (2006.01) C12N 15/113 (2010.01) A61P 25/28 (2006.01)**
[25] EN
[54] **MAPT RNA INTERFERENCE AGENTS**
[54] **AGENTS D'INTERFERENCE D'ARN MAPT**
[72] CALAMINI, BARBARA, US
[72] FRITSCHI, SARAH KATHARINA, US
[72] GONZALEZ VALCARCEL, ISABEL CRISTINA, US
[72] MCCARTHY, ANDREW PETER, US
[72] MILES, REBECCA RUTH, US
[72] PERKINS, DOUGLAS RAYMOND, US
[72] PHILLIPS, KEITH GEOFFREY, US
[72] ROY, KAUSHAMBI, US
[72] WANG, JIBO, US
[72] WU, SHIH-YING, US
[72] YORK, JEREMY S., US
[71] ELI LILLY AND COMPANY, US
[85] 2024-06-13
[86] 2022-12-12 (PCT/US2022/081334)
[87] (WO2023/114700)
[30] US (63/288,846) 2021-12-13

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[13] A1
[51] **Int.Cl. E01H 8/08 (2006.01) B66C 23/88 (2006.01) E01B 19/00 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR THE REMOVAL OF SNOW AND ICE FROM CRANE BOOMS**
[54] **PROCEDES ET APPAREIL POUR L'ELIMINATION DE NEIGE ET DE GLACE A PARTIR DE FLECHES DE GRUE**
[72] KLUVER, JARED, US
[71] KLUVER, JARED, US
[85] 2024-05-29
[86] 2022-12-01 (PCT/US2022/051556)
[87] (WO2023/034653)
[30] US (63/285,409) 2021-12-02

[21] **3,241,002**
[13] A1
[51] **Int.Cl. A61N 1/04 (2006.01) A61N 1/06 (2006.01) A61N 1/40 (2006.01)**
[25] EN
[54] **SHIFTING OF TRANSDUCER ARRAY TO REDUCE SKIN IRRITATION**
[54] **DECALAGE DE RESEAU DE TRANSDUCTEURS POUR REDUIRE L'IRRITATION DE LA PEAU**
[72] HALAVEE, NOA, IL
[72] MARSAULT, BOAZ, IL
[72] YAACOBI, ELIE, IL
[72] BAR-TAL, GOLAN, IL
[72] SHANY, NITZAN, IL
[71] NOVOCURE GMBH, CH
[85] 2024-05-29
[86] 2022-12-13 (PCT/IB2022/062152)
[87] (WO2023/111855)
[30] US (63/289,484) 2021-12-14
[30] US (63/324,491) 2022-03-28
[30] US (18/080,091) 2022-12-13

[21] **3,241,004**
[13] A1
[51] **Int.Cl. C01G 45/00 (2006.01) H01M 4/505 (2010.01) H01M 4/525 (2010.01) H01M 10/052 (2010.01) H01M 4/02 (2006.01) H01M 4/38 (2006.01) H01M 4/48 (2010.01)**
[25] EN
[54] **POSITIVE ELECTRODE ACTIVE MATERIAL POWDER, AND POSITIVE ELECTRODE AND LITHIUM SECONDARY BATTERY WHICH INCLUDE THE SAME**
[54] **POUDRE DE MATERIAU ACTIF D'ELECTRODE POSITIVE, AINSI QU'ELECTRODE POSITIVE ET BATTERIE SECONDAIRE AU LITHIUM LA COMPRENANT**
[72] HUR, HYUCK, KR
[72] PARK, SIN YOUNG, KR
[72] HAN, GI BEOM, KR
[72] KIM, DONG HWI, KR
[72] KWAK, MIN, KR
[72] CHAE, SEUL KI, KR
[72] PARK, KANG JOON, KR
[72] JUNG, WANG MO, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-06-13
[86] 2023-02-10 (PCT/KR2023/002021)
[87] (WO2023/153875)
[30] KR (10-2022-0018479) 2022-02-11
[30] KR (10-2023-0018088) 2023-02-10

[21] **3,241,005**
[13] A1
[51] **Int.Cl. F16L 11/20 (2006.01) F16L 33/01 (2006.01) F16L 39/00 (2006.01)**
[25] EN
[54] **EXPANDABLE HOSE**
[54] **TUYAU EXTENSIBLE**
[72] BREEDEN, WINSTON H. III, US
[72] HATCHER, TROY, US
[72] HAUK, GRANT, US
[72] GYURE, RICK, US
[72] TAYLOR, CURTIS, US
[72] HANSON, MAT, US
[72] MISENER, AARON, US
[72] MERGENHAGEN, BOB, US
[71] WINSTON PRODUCTS LLC, US
[85] 2024-05-29
[86] 2022-12-02 (PCT/US2022/051631)
[87] (WO2023/102172)
[30] US (63/286,027) 2021-12-04

[21] **3,241,009**
[13] A1
[51] **Int.Cl. G06T 13/40 (2011.01) G06T 7/80 (2017.01) G06T 1/00 (2006.01) G06T 17/20 (2006.01)**
[25] EN
[54] **A METHOD TO REGISTER FACIAL MARKERS**
[54] **PROCEDE POUR ENREGISTRER DES REPERES FACIAUX**
[72] MOSER, LUCIO DORNELES, CA
[71] DIGITAL DOMAIN VIRTUAL HUMAN (US), INC., US
[85] 2024-05-30
[86] 2022-11-30 (PCT/CA2022/051753)
[87] (WO2023/102646)
[30] US (63/287,031) 2021-12-07

[21] **3,241,014**
[13] A1
[25] EN
[54] **MRNA THERAPEUTIC COMPOSITIONS**
[54] **COMPOSITIONS THERAPEUTIQUES D'ARNM**
[72] MOSAHEB, MUNIR, US
[72] PATEL, SIDDHARTH, US
[72] CLARK, STACIE, US
[72] ARAFA, EMAD, US
[72] BOGORAD, ROMAN, US
[71] SAIL BIOMEDICINES, INC., US
[85] 2024-06-13
[86] 2022-12-20 (PCT/US2022/053492)
[87] (WO2023/122080)
[30] US (63/291,686) 2021-12-20
[30] US (63/320,664) 2022-03-16
[30] US (63/401,214) 2022-08-26

[21] **3,241,021**
[13] A1
[51] **Int.Cl. H01H 33/666 (2006.01)**
[25] EN
[54] **CIRCUIT BREAKER HAVING VACUUM INTERRUPTERS AND SINGLE-PHASE CONTROL WITH MAGNETIC ACTUATORS AND ASSOCIATED METHOD**
[54] **DISJONCTEUR A INTERRUPTEURS A VIDE ET COMMANDE MONOPHASEE A ACTIONNEURS MAGNETIQUES ET PROCEDE ASSOCIE**
[72] FISCHER-CARNE, PATRICK R., US
[72] HANNA, ROBERT L., US
[71] JST POWER EQUIPMENT, INC., US
[85] 2024-06-13
[86] 2023-01-18 (PCT/US2023/011011)
[87] (WO2023/163822)
[30] US (17/652,112) 2022-02-23

[21] **3,241,024**
[13] A1
[51] **Int.Cl. G05B 15/02 (2006.01)**
[25] EN
[54] **CONTROL DEVICE FOR A BUILDING AUTOMATION SYSTEM HAVING GLOBAL DATA MANAGEMENT**
[54] **DISPOSITIF DE COMMANDE POUR UN SYSTEME D'IMMOTIQUE A GESTION GLOBALE DE DONNEES**
[72] CHOI, WILLIAM, US
[72] EVANS, THOMAS, US
[72] JOHNSON, ROBERT L., US
[71] SIEMENS INDUSTRY, INC., US
[85] 2024-06-13
[86] 2022-12-22 (PCT/US2022/053748)
[87] (WO2023/136921)
[30] US (63/299,691) 2022-01-14
[30] US (17/853,550) 2022-06-29

[21] **3,241,034**
[13] A1
[51] **Int.Cl. C08F 2/01 (2006.01) C08F 4/6592 (2006.01) C08F 210/06 (2006.01) C08L 23/12 (2006.01)**
[25] EN
[54] **PROCESSES FOR MAKING PROPYLENE-BASED COPOLYMERS HAVING BROAD CDS AND MWDS**
[54] **PROCEDES DE PREPARATION DE COPOLYMERES A BASE DE PROPYLENE PRESENTANT DE LARGES CD ET MWD**
[72] JORDAHL, STACY, US
[72] DOUFAS, ANTONIOS K., US
[72] DHARMARAJAN, NARAYANASWAMI, US
[72] SHI, JUN, US
[72] MA, RONG, US
[72] REIMERS, JAY L., US
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2024-06-13
[86] 2022-12-14 (PCT/US2022/081509)
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[25] EN
[54] **QUALITY MANAGEMENT FOR WIRELESS DEVICES**
[54] **GESTION DE QUALITE POUR LES DISPOSITIFS SANS FIL**
[72] CHAE, HYUKJIN, US
[72] PARK, KYUNGMIN, US
[72] DINAN, ESMAEL HEJAZI, US
[72] CHUN, SUNGDUCK, US
[72] JEON, HYOUNGSUK, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2022-12-30
[41] 2023-06-30
[30] US (63/295,688) 2021-12-31

[21] **3,239,892**
[13] A1
[25] EN
[54] **HEAT EXCHANGER AND METHOD OF MANUFACTURING A HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR ET PROCEDE DE FABRICATION D'ECHANGEUR DE CHALEUR**
[72] BYFIELD, GEOFFREY, AU
[71] WOODSIDE ENERGY TECHNOLOGIES PTY LTD, AU
[22] 2017-03-30
[41] 2017-10-05
[62] 3,010,222
[30] AU (2016901182) 2016-03-30

[21] **3,239,897**
[13] A1
[25] EN
[54] **COMPUTER-BASED SYSTEMS AND METHODS FOR UTILIZING AUTHENTICATION SERVERS FOR SECURING DEVICE COMMANDS TRANSMISSIONS**
[54] **SYSTEMES ET PROCEDES INFORMATIQUES PERMETTANT D'UTILISER DES SERVEURS D'AUTHENTIFICATION POUR SECURISER DES TRANSMISSIONS DE COMMANDES DE DISPOSITIF**
[72] WURMFELD, DAVID KELLY, US
[72] OSBORN, KEVIN, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2020-07-07
[41] 2021-01-21
[62] 3,143,835
[30] US (16/510,555) 2019-07-12

[21] **3,239,899**
[13] A1
[25] EN
[54] **COMPUTER-BASED SYSTEMS AND METHODS FOR UTILIZING AUTHENTICATION SERVERS FOR SECURING DEVICE COMMANDS TRANSMISSIONS**
[54] **SYSTEMES ET PROCEDES INFORMATIQUES PERMETTANT D'UTILISER DES SERVEURS D'AUTHENTIFICATION POUR SECURISER DES TRANSMISSIONS DE COMMANDES DE DISPOSITIF**
[72] WURMFELD, DAVID KELLY, US
[72] OSBORN, KEVIN, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2020-07-07
[41] 2021-01-21
[62] 3,143,835
[30] US (16/510,555) 2019-07-12

[21] **3,239,901**
[13] A1
[51] **Int.Cl. H04L 9/00 (2022.01) G06F 21/62 (2013.01) G06F 16/955 (2019.01) H04L 67/02 (2022.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND MEDIA FOR GENERATING DOCUMENTS CONTAINING CONFIDENTIAL INFORMATION**
[54] **SYSTEMES, METHODES ET SUPPORT POUR GENERER DES DOCUMENTS CONTENANT DES RENSEIGNEMENTS CONFIDENTIELS**
[72] NOVEMBER, MICHAEL, US
[72] FORTIN, THOMAS M., US
[71] INSTITUTIONAL CAPITAL NETWORK, INC., US
[22] 2022-03-01
[41] 2022-12-23
[62] 3,174,174
[30] US (17/356,097) 2021-06-23
[30] US (17/356,104) 2021-06-23
[30] US (17/356,109) 2021-06-23
[30] US (17/567,640) 2022-01-03

[21] **3,239,908**
[13] A1
[51] **Int.Cl. H04L 9/00 (2022.01) G06F 21/62 (2013.01) G06F 16/955 (2019.01) H04L 67/02 (2022.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND MEDIA FOR GENERATING DOCUMENTS CONTAINING CONFIDENTIAL INFORMATION**
[54] **SYSTEMES, METHODES ET SUPPORT POUR GENERER DES DOCUMENTS CONTENANT DES RENSEIGNEMENTS CONFIDENTIELS**
[72] NOVEMBER, MICHAEL, US
[72] FORTIN, THOMAS M., US
[71] INSTITUTIONAL CAPITAL NETWORK, INC., US
[22] 2022-03-01
[41] 2022-12-23
[62] 3,174,174
[30] US (17/356,097) 2021-06-23
[30] US (17/356,104) 2021-06-23
[30] US (17/356,109) 2021-06-23
[30] US (17/567,640) 2022-01-03

[21] **3,239,948**
[13] A1
[25] EN
[54] **ULTRASONIC DIAGNOSTIC DEVICE COVER, AND ULTRASONIC DIAGNOSTIC DEVICE WITH COVER**
[54] **ETUI DE DISPOSITIF DE DIAGNOSTIC A ULTRASONS, ET DISPOSITIF DE DIAGNOSTIC A ULTRASONS DOTE D'UN ETUI**
[72] ISHIKURA, KOHZO, JP
[72] KINUGAWA, YUKI, JP
[72] NAKAGAWA, NAOKI, JP
[71] NIPRO CORPORATION, JP
[22] 2018-10-16
[41] 2019-04-25
[62] 3,079,169
[30] JP (2017-202162) 2017-10-18
[30] JP (2018-110184) 2018-06-08

[21] **3,240,011**
[13] A1
[25] EN
[54] **FUSED THIAZOLOPYRIMIDINE DERIVATIVES AS MNKS INHIBITORS**
[54] **DERIVES DE THIAZOLOPYRIMIDINE FUSIONNES COMME INHIBITEURS DE MNK**
[72] WINTER-HOLT, JON JAMES, GB
[72] MCIVER, EDWARD GILES, GB
[72] AMBLER, MARTIN, GB
[72] LEWIS, STEPHEN, GB
[72] OSBORNE, JOANNE, GB
[72] WEBB-SMITH, KAYLEIGH, GB
[71] LIFEARC, GB
[22] 2016-11-16
[41] 2017-05-26
[62] 3,003,559
[30] GB (1520500.8) 2015-11-20

[21] **3,240,029**
[13] A1
[25] EN
[54] **COMPOSITIONS COMPRISING 2,3-DICHLORO-1,1,1-TRIFLUOROPROPANE, 2-CHLORO-1,1,1-TRIFLUOROPROPENE, 2-CHLORO-1,1,1,2-TETRAFLUOROPROPANE OR 2,3,3,3-TETRAFLUOROPROPENE**
[54] **COMPOSITIONS COMPRENANT DU 2,3-DICHLORO-1,1,1-TRIFLUOROPROPANE, DU 2-CHLORO-1,1,1-TRIFLUOROPROPENE, DU 2-CHLORO-1,1,1,2-TETRAFLUOROPROPANE OU DU 2,3,3,3-TETRAFLUOROPROPENE**
[72] MAHLER, BARRY ASHER, US
[72] NAPPA, MARIO JOSEPH, US
[71] THE CHEMOURS COMPANY FC, LLC, US
[22] 2009-05-07
[41] 2009-11-12
[62] 3,169,515
[30] US (61/126,810) 2008-05-07

[21] **3,240,033**
[13] A1
[25] EN
[54] **GEOTECHNICAL RIG SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES D'APPAREIL DE FORAGE GEOTECHNIQUE**
[72] GREGG, JOHN, US
[72] SCHUBERT, MATTHEW, US
[72] SCHUBERT, PHILLIP, US
[71] GREGG DRILLING, LLC, US
[22] 2021-07-15
[41] 2022-01-20
[62] 3,189,620
[30] US (63/052,898) 2020-07-16

[21] **3,240,040**
[13] A1
[25] EN
[54] **METHODS AND THERMALLY STABLE AQUEOUS BORATE-BASED CROSS-LINKING SUSPENSIONS FOR TREATMENT OF SUBTERRANEAN FORMATIONS**
[54] **PROCEDES ET SUSPENSIONS DE RETICULATION AQUEUSES THERMIQUEMENT STABLES A BASE DE BORATE POUR LE TRAITEMENT DES FORMATIONS SOUTERRAINES**
[72] RAHY, ABDELAZIZ, US
[72] KNOX, DEWITT, US
[72] MELBOUCI, MOHAND, US
[71] UNIVAR USA, INC., US
[22] 2017-04-10
[41] 2017-10-19
[62] 3,015,985
[30] US (62/322,752) 2016-04-14

[21] **3,240,043**
[13] A1
[25] EN
[54] **ERROR CORRECTED VARIATIONAL ALGORITHMS**
[54] **ALGORITHMES VARIATIONNELS A CORRECTION D'ERREUR**
[72] BABBUSH, RYAN, US
[72] FOWLER, AUSTIN GREIG, US
[71] GOOGLE LLC, US
[22] 2018-09-25
[41] 2020-04-02
[62] 3,114,183

[21] **3,240,086**
[13] A1
[25] EN
[54] **ADVANCED TRITIUM SYSTEM AND ADVANCED PERMEATION SYSTEM FOR SEPARATION OF TRITIUM FROM RADIOACTIVE WASTES**
[54] **RESEAU DE TRITIUM AVANCE ET SYSTEME DE PERMEATION AVANCEE DESTINES A LA SEPARATION DU TRITIUM DES DECHETS RADIOACTIFS**
[72] DENTON, MARK S., US
[72] BONHOMME, GAETAN, US
[72] BRATTON, WESLEY L., US
[72] BONNET, NICEPHORE, US
[71] VEOLIA NUCLEAR SOLUTIONS, INC., US
[22] 2016-09-07
[41] 2017-04-09
[62] 2,941,293
[30] US (62/239,660) 2015-10-09
[30] US (15/171,183) 2016-06-02

[21] **3,240,088**
[13] A1
[25] EN
[54] **DEVICES, SYSTEMS, AND METHODS FOR SELECTIVELY ENGAGING DOWNHOLE TOOL FOR WELLBORE OPERATIONS**
[54] **DISPOSITIFS, SYSTEMES, ET PROCEDES POUR FAIRE VENIR EN PRISE DE FACON SELECTIVE UN OUTIL DE FOND DE TROU POUR DES OPERATIONS DE PUITS DE FORAGE**
[72] WATKINS, TOM, CA
[72] NAJAFOV, JEYHUN, CA
[72] KADAM, RATISH, CA
[72] KOZLOW, HENRYK, CA
[71] ADVANCED UPSTREAM LTD., CA
[22] 2021-01-29
[41] 2021-08-05
[62] 3,149,077
[30] US (62/968,074) 2020-01-30

[21] **3,240,089**
[13] A1
[51] **Int.Cl. E21B 34/14 (2006.01) E21B 23/10 (2006.01) E21B 33/10 (2006.01) E21B 44/00 (2006.01) E21B 47/09 (2012.01)**
[25] EN
[54] **DEVICES, SYSTEMS, AND METHODS FOR SELECTIVELY ENGAGING DOWNHOLE TOOL FOR WELLBORE OPERATIONS**
[54] **DISPOSITIFS, SYSTEMES, ET PROCEDES POUR FAIRE VENIR EN PRISE DE FACON SELECTIVE UN OUTIL DE FOND DE TROU POUR DES OPERATIONS DE PUITS DE FORAGE**
[72] WATKINS, TOM, CA
[72] NAJAFOV, JEYHUN, CA
[72] KADAM, RATISH, CA
[72] KOZLOW, HENRYK, CA
[71] ADVANCED UPSTREAM LTD., CA
[22] 2021-01-29
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[25] EN
[54] **DEVICES, SYSTEMS, AND METHODS FOR SELECTIVELY ENGAGING DOWNHOLE TOOL FOR WELLBORE OPERATIONS**
[54] **DISPOSITIFS, SYSTEMES, ET PROCEDES POUR FAIRE VENIR EN PRISE DE FACON SELECTIVE UN OUTIL DE FOND DE TROU POUR DES OPERATIONS DE PUITS DE FORAGE**
[72] WATKINS, TOM, CA
[72] NAJAFOV, JEYHUN, CA
[72] KADAM, RATISH, CA
[72] KOZLOW, HENRYK, CA
[71] ADVANCED UPSTREAM LTD., CA
[22] 2021-01-29
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[62] 3,149,077
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[13] A1
[25] EN
[54] **DEVICES, SYSTEMS, AND METHODS FOR SELECTIVELY ENGAGING DOWNHOLE TOOL FOR WELLBORE OPERATIONS**
[54] **DISPOSITIFS, SYSTEMES, ET PROCEDES POUR FAIRE VENIR EN PRISE DE FACON SELECTIVE UN OUTIL DE FOND DE TROU POUR DES OPERATIONS DE PUITS DE FORAGE**
[72] WATKINS, TOM, CA
[72] NAJAFOV, JEYHUN, CA
[72] KADAM, RATISH, CA
[72] KOZLOW, HENRYK, CA
[71] ADVANCED UPSTREAM LTD., CA
[22] 2021-01-29
[41] 2021-08-05
[62] 3,149,077
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[13] A1
[51] **Int.Cl. E21B 19/16 (2006.01) E21B 19/18 (2006.01)**
[25] EN
[54] **TONG ASSEMBLY WITH DOOR POSITION SENSORS**
[54] **ENSEMBLE PINCE A CAPTEURS DE POSITION DE PORTE**
[72] CLINE, HEIDI N., US
[72] HOOKER, II, JOHN D., US
[72] HEIDECKE, KARSTEN, US
[72] THIEMANN, BJOERN, DE
[72] WIEDECKE, MICHAEL, DE
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[22] 2019-11-01
[41] 2020-05-07
[62] 3,118,137
[30] US (62/755,019) 2018-11-02

[21] **3,240,126**
[13] A1
[25] EN
[54] **LATCHING LOADER MECHANISM WITH GATED FEED**
[54] **MECANISME DE CHARGEUR D`ENCLENCHEMENT**
[72] WOOD, JACK KINGSLEY, GB
[71] PLANET ECLIPSE UK LIMITED, GB
[22] 2020-05-21
[41] 2020-11-21
[62] 3,081,312
[30] US (62/850732) 2019-05-21
[30] US (16/877659) 2020-05-19

[21] **3,240,136**
[13] A1
[51] **Int.Cl. A61K 31/573 (2006.01) A61F 9/00 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR THE TREATMENT OF OCULAR DISEASES IN HUMAN SUBJECTS**
[54] **METHODES ET DISPOSITIFS POUR LE TRAITEMENT DE MALADIES OCULAIRES CHEZ LES SUJETS HUMAINS**
[72] ZARNITSYN, VLADIMIR, US
[72] PATEL, SAMIRKUMAR, US
[72] WHITE, DANIEL, US
[72] NORONHA, GLENN, US
[72] BURKE, BRIAN, US
[71] CLEARSIDE BIOMEDICAL, INC., US
[22] 2013-11-08
[41] 2014-05-15
[62] 3,121,763
[30] US (61/724,144) 2012-11-08
[30] US (61/734,872) 2012-12-07
[30] US (61/745,237) 2012-12-21
[30] US (61/773,124) 2013-03-05
[30] US (61/785,229) 2013-03-14
[30] US (61/819,388) 2013-05-03
[30] US (61/873,660) 2013-09-04
[30] US (61/898,926) 2013-11-01

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[25] EN
[54] **COMPOSITIONS COMPRISING VITAMINS AND THEIR USE**
[54] **COMPOSITIONS COMPRENANT DES VITAMINES ET UTILISATION CONNEXE**
[72] SCHNEIDER, NORA, CH
[72] HAUSER, JONAS, CH
[72] SILVA ZOLEZZI, IRMA, CH
[72] SAMUEL, TINU MARY, CH
[72] DEONI, SEAN, US
[72] BARTFAI, TAMAS, SE
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[22] 2017-03-30
[41] 2017-10-05
[62] 3,015,434
[30] US (62/315,134) 2016-03-30
[30] US (62/315,142) 2016-03-30
[30] US (62/315,152) 2016-03-30
[30] US (62/315,158) 2016-03-30
[30] US (62/315,163) 2016-03-30
[30] US (62/328,119) 2016-04-27
[30] EP (PCT/EP2016/080796) 2016-12-13

[21] **3,240,281**
[13] A1
[25] EN
[54] **USE OF INHIBITORS OF BRUTON'S TYROSINE KINASE (BTK) IN THE TREATMENT OF FOLLICULAR LYMPHOMA**
[54] **UTILISATION D'INHIBITEURS DE LA TYROSINE-KINASE DE BRUTON DANS LE TRAITEMENT DU LYMPHOME FOLLICULAIRE**
[72] BUGGY, JOSEPH J., US
[72] ELIAS, LAURENCE, US
[72] FYFE, GWEN, US
[72] HEDRICK, ERIC, US
[72] LOURY, DAVID J., US
[72] MODY, TARAK D., US
[71] PHARMACYCLICS LLC, US
[22] 2011-06-03
[41] 2011-12-08
[62] 3,113,343
[30] US (61/351,130) 2010-06-03
[30] US (61/351,793) 2010-06-04
[30] US (61/351,762) 2010-06-04
[30] US (61/351,655) 2010-06-04
[30] US (61/419,764) 2010-12-03
[30] US (61/472,138) 2011-04-05

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[13] A1
[51] **Int.Cl. H01M 10/6551 (2014.01) H01M 10/6562 (2014.01) H01M 50/204 (2021.01) H01M 50/22 (2021.01) H01M 50/233 (2021.01) H01M 50/242 (2021.01) H01M 50/249 (2021.01) H01M 50/271 (2021.01) H01M 50/296 (2021.01) H01M 50/502 (2021.01) H01M 50/572 (2021.01) H01M 10/46 (2006.01) H02J 15/00 (2006.01) H02M 3/04 (2006.01)**
[25] EN
[54] **A SWAPPABLE BATTERY FOR EV'S AND OTHER APPLICATIONS**
[54]
[72] OUHIB, SAID, CA
[71] OUHIB, SAID, CA
[22] 2023-12-26
[41] 2024-02-20
[62] 3,224,777

[21] **3,240,352**
[13] A1
[51] **Int.Cl. H01M 50/204 (2021.01) H01M 50/249 (2021.01) H01M 10/42 (2006.01) H01M 10/44 (2006.01) H02J 15/00 (2006.01)**
[25] EN
[54] **A BATTERY SWAPPING SYSTEM WITH BATTERY MAGAZINE FOR GENERAL APPLICATIONS**
[54]
[72] OUHIB, SAID, CA
[71] OUHIB, SAID, CA
[22] 2023-12-26
[41] 2024-02-20
[62] 3,224,777

[21] **3,240,356**
[13] A1
[25] EN
[54] **METHODS OF TREATMENT WITH ASPARAGINASE**
[54] **METHODES DE TRAITEMENT AVEC DE L'ASPARAGINASE**
[72] PINE. POLLY, US
[72] GURSAHANI, HEMAMALINI, US
[71] JAZZ PHARMACEUTICALS IRELAND LTD., IE
[22] 2018-11-30
[41] 2019-06-06
[62] 3,083,499
[30] US (62/592,982) 2017-11-30
[30] US (62/625,078) 2018-02-01
[30] US (62/631,142) 2018-02-15
[30] US (62/673,075) 2018-05-17

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[13] A1
[51] **Int.Cl. G01N 1/40 (2006.01) G01N 1/34 (2006.01) G01N 33/24 (2006.01) G01N 35/00 (2006.01)**
[25] EN
[54] **AGRICULTURAL SAMPLING SYSTEM AND RELATED METHODS**
[54] **SYSTEME D'ECHANTILLONNAGE AGRICOLE ET PROCEDES ASSOCIES**
[72] SWANSON, TODD, US
[72] HARMAN, REID, US
[72] LEVY, KENT, US
[72] KOCH, DALE, US
[72] VACCARI, ADAM, US
[72] SEELYE, JOSH, US
[71] PRECISION PLANTING LLC, US
[22] 2021-02-10
[41] 2021-09-02
[62] 3,168,193
[30] US (62/983,237) 2020-02-28

[21] **3,240,360**
[13] A1
[25] EN
[54] **COMBINED OSCILLATING POSITIVE EXPIRATORY PRESSURE THERAPY AND HUFF COUGH SIMULATION DEVICE**
[54] **THERAPIE PAR PRESSION EXPIRATOIRE POSITIVE OSCILLANTE COMBINEE ET DISPOSITIF DE SIMULATION DE TOUX SOUFFLEE ("HUFF COUGH")**
[72] COSTELLA, STEPHEN, CA
[71] TRUDELL MEDICAL INTERNATIONAL, CA
[22] 2018-04-26
[41] 2018-11-08
[62] 3,059,532
[30] US (62/500,707) 2017-05-03

[21] **3,240,372**
[13] A1
[51] **Int.Cl. A61F 2/04 (2013.01) A61B 17/00 (2006.01) A61B 17/04 (2006.01) A61F 5/00 (2006.01)**
[25] EN
[54] **LAPAROSCOPIC INSTRUMENT FOR IMPLANTING A VOLUME FILLING DEVICE TO TREAT OBESITY**
[54] **INSTRUMENT LAPAROSCOPIQUE POUR METTRE EN OEUVRE UN DISPOSITIF DE REMPLISSAGE DE VOLUME POUR TRAITER L'OBESITE**
[72] FORSELL, PETER, CH
[71] IMPLANTICA PATENT LTD., MT
[22] 2009-01-29
[41] 2009-08-06
[62] 3,108,927
[30] US (61/006,719) 2008-01-29
[30] SE (0802138-8) 2008-10-10

[21] **3,240,418**
[13] A1
[51] **Int.Cl. E21B 4/02 (2006.01) E21B 10/26 (2006.01) E21B 10/44 (2006.01)**
[25] EN
[54] **FIXED CUTTER DRILL BITS INCLUDING NOZZLES WITH END AND SIDE EXITS**
[54] **TREPANS DE FORAGE A ORGANES COUPANTS FIXES COMPRENANT DES BUSES DES SORTIES D'EXTREMITE ET LATERALES**
[72] BRADFORD, JOHN FRANCIS, III, US
[72] OMIDVAR, NAVID, US
[72] RAHMANI, REZA, US
[71] NATIONAL OILWELL DHT, L.P., US
[22] 2017-01-20
[41] 2017-07-27
[62] 3,011,178
[30] US (62/281,461) 2016-01-21

[21] **3,240,453**
[13] A1
[25] EN
[54] **A SYSTEM AND METHOD FOR MIXED REALITY**
[54] **SYSTEME ET PROCEDE POUR UNE REALITE MIXTE**
[72] LIVNE, OFER, IL
[72] MASHIAH, AYELET, IL
[72] SHEFFER, AMIR, IL
[72] OPHIR, YOAV, IL
[71] ELBIT SYSTEMS LTD., IL
[22] 2020-11-15
[41] 2021-05-27
[62] 3,160,837
[30] IL (270754) 2019-11-18
[30] IL (270755) 2019-11-18

[21] **3,240,457**
[13] A1
[51] **Int.Cl. H04N 19/103 (2014.01) H04N 19/186 (2014.01)**
[25] EN
[54] **IMAGE ENCODING/DECODING METHOD AND DEVICE FOR SIGNALING CHROMA COMPONENT PREDICTION INFORMATION ACCORDING TO WHETHER PALETTE MODE IS APPLICABLE, AND METHOD FOR TRANSMITTING BITSTREAM**
[54] **PROCEDE ET DISPOSITIF DE CODAGE/DECODAGE D'IMAGE PERMETTANT DE SIGNALER DES INFORMATIONS DE PREDICTION DE COMPOSANTE DE CHROMINANCE EN FONCTION DE L'APPLICABILITE D'UN MODE PALETTE ET PROCEDE DE TRANSMISSION DE FLUX BINAIRE**
[72] JANG, HYEONG MOON, KR
[71] LG ELECTRONICS INC., KR
[22] 2020-07-21
[41] 2021-01-28
[62] 3,148,417
[30] US (62/876,766) 2019-07-21

[21] **3,240,460**
[13] A1
[25] EN
[54] **ANTICANCER COMPOSITION COMPRISING TUMOR-SPECIFIC ONCOLYTIC ADENOVIRUS AND IMMUNE CHECKPOINT INHIBITOR**
[54] **COMPOSITION ANTICANCEREUSE COMPRENANT UN ADENOVIRUS ONCOLYTIQUE SPECIFIQUE D'UNE TUMEUR ET UN INHIBITEUR DE POINT DE CONTROLE IMMUNITAIRE**
[72] YUN, CHAE OK, KR
[72] AHN, HYO MIN, KR
[71] GENEMEDICINE CO., LTD., KR
[22] 2018-02-28
[41] 2018-09-07
[62] 3,054,664
[30] KR (10-2017-0026339) 2017-02-28

[21] **3,240,493**
[13] A1
[51] **Int.Cl. H04N 19/11 (2014.01) H04N 19/13 (2014.01) H04N 19/159 (2014.01) H04N 19/61 (2014.01)**
[25] EN
[54] **TRANSFORM FOR MATRIX-BASED INTRA-PREDICTION IN IMAGE CODING**
[54] **TRANSFORMATION POUR UNE INTRA-PREDICTION BASEE SUR UNE MATRICE DANS UN CODAGE D'IMAGE**
[72] NAM, JUNGHAK, KR
[72] LIM, JAEHYUN, KR
[72] KOO, MOONMO, KR
[72] KIM, SEUNGHWAN, KR
[71] LG ELECTRONICS INC., KR
[22] 2020-04-16
[41] 2020-10-22
[62] 3,137,181
[30] US (62/834,946) 2019-04-16

[21] **3,240,495**
[13] A1
[51] **Int.Cl. H04N 19/117 (2014.01) G06T 9/00 (2006.01)**
[25] EN
[54] **IMAGE ENCODING/DECODING METHOD AND DEVICE USING FILTERING, AND METHOD FOR TRANSMITTING BITSTREAM**
[54] **PROCEDE ET DISPOSITIF DE CODAGE/DECODAGE D'IMAGE A L'AIDE D'UN FILTRAGE, ET PROCEDE DE TRANSMISSION DE FLUX BINAIRE**
[72] JANG, HYEONG MOON, KR
[71] LG ELECTRONICS INC., KR
[22] 2020-07-20
[41] 2021-01-28
[62] 3,148,076
[30] US (62/875,974) 2019-07-19

[21] **3,240,496**
[13] A1
[51] **Int.Cl. G06F 3/04817 (2022.01) G06Q 20/20 (2012.01) G06Q 50/12 (2012.01) G06Q 10/087 (2023.01) G06Q 30/0601 (2023.01)**
[25] EN
[54] **DYNAMICALLY MODIFIABLE USER INTERFACE**
[54] **INTERFACE UTILISATEUR MODIFIABLE DE MANIERE DYNAMIQUE**
[72] BELL, BRUCE, US
[72] KURSMARK, MATTHEW T., US
[72] JOHNSON, LOGAN, US
[72] PARTRIDGE, BRIAN, US
[72] LINTERN, JAMES, US
[72] ABU-GHAIDA, GHASSAN, US
[71] BLOCK, INC., US
[22] 2017-07-18
[41] 2018-04-05
[62] 3,038,958
[30] US (15/279,650) 2016-09-29
[30] US (15/279,705) 2016-09-29
[30] US (15/279,782) 2016-09-29
[30] US (15/279,854) 2016-09-29

[21] **3,240,497**
[13] A1
[25] EN
[54] **IMAGE DECODING METHOD AND DEVICE FOR DERIVING WEIGHT INDEX INFORMATION FOR GENERATION OF PREDICTION SAMPLE**
[54] **PROCEDE ET DISPOSITIF DE DECODAGE D'IMAGE POUR LA DERIVATION D'INFORMATIONS D'INDICE DE PONDERATION POUR LA PRODUCTION D'ECHANTILLON DE PREDICTION**
[72] PARK, NAERI, KR
[72] NAM, JUNGHAK, KR
[72] JANG, HYEONGMOON, KR
[71] LG ELECTRONICS INC., KR
[22] 2020-06-10
[41] 2020-12-17
[62] 3,143,538
[30] US (62/861,986) 2019-06-14

[21] **3,240,498**
[13] A1
[51] **Int.Cl. H04N 19/12 (2014.01) H04N 19/13 (2014.01) H04N 19/18 (2014.01)**
[25] EN
[54] **CODING OF INFORMATION ABOUT TRANSFORM KERNEL SET**
[54] **CODAGE D'INFORMATIONS CONCERNANT UN ENSEMBLE DE NOYAUX DE TRANSFORMATION**
[72] NAM, JUNGHAK, KR
[72] KOO, MOONMO, KR
[72] LIM, JAEHYUN, KR
[72] KIM, SEUNGHWAN, KR
[71] LG ELECTRONICS INC., KR
[22] 2020-06-11
[41] 2020-12-24
[62] 3,144,206
[30] US (62/863,812) 2019-06-19

[21] **3,240,501**
[13] A1
[25] EN
[54] **INTELLIGENT ALERT SYSTEM**
[54] **SYSTEME D'ALERTE INTELLIGENT**
[72] SONG, YUH-SHEN, US
[72] LEW, CATHERINE, US
[72] SONG, ALEXANDER, US
[72] SONG, VICTORIA, US
[71] SONG, YUH-SHEN, US
[71] LEW, CATHERINE, US
[71] SONG, ALEXANDER, US
[71] SONG, VICTORIA, US
[22] 2020-02-10
[41] 2020-08-20
[62] 3,129,275
[30] US (62/805,085) 2019-02-13
[30] US (16/742,780) 2020-01-14
[30] US (16/742,766) 2020-01-14

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[21] **3,240,507**
[13] A1
[51] **Int.Cl. C10L 3/10 (2006.01)**
[25] EN
[54] **PRODUCING LNG FROM METHANE CONTAINING SYNTHETIC GAS**
[54] **PRODUCTION DE GAZ NATUREL LIQUEFIE A PARTIR DE GAZ SYNTHETIQUE CONTENANT DU METHANE**
[72] ROBERTS, MARK JULIAN, US
[72] CHEN, FEI, US
[72] SHNITSER, RUSSELL B, US
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[22] 2022-06-27
[41] 2022-12-28
[62] 3,166,326
[30] US (17/360,031) 2021-06-28

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[21] **3,240,547**
[13] A1
[25] EN
[54] **STICK PATTERNS IN A SPORTING EVENT**
[54]
[72] DAHLSTEDT, MIKE, CA
[71] DRIVE HOCKEY ANALYTICS, INC., CA
[22] 2020-10-08
[41] 2021-04-08
[62] 3,095,761
[30] CA (3055343) 2019-10-08

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[21] **3,240,550**
[13] A1
[25] EN
[54] **A CHECK VALVE, ASSOCIATED DOWNHOLE DATA COLLECTION SYSTEM AND INNER CORE BARREL ASSEMBLY**
[54] **CLAPET ANTI-RETOUR, SYSTEME DE COLLECTE DE DONNEES DE FOND DE TROU ASSOCIE ET ENSEMBLE CYLINDRE CENTRAL INTERNE**
[72] BEACH, ANDREW PHILLIP, AU
[72] GAYLARD, NIGEL WARWICK, AU
[72] PRICE, TIMOTHY MERLE, AU
[72] KABZINSK, RICHARD, AU
[72] REILLY, JAMES BARRY, AU
[71] REFLEX INSTRUMENTS ASIA PACIFIC PTY LTD, AU
[22] 2018-01-17
[41] 2018-09-07
[62] 3,055,085
[30] AU (2017900745) 2017-03-03

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[21] **3,240,552**
[13] A1
[25] EN
[54] **SUBSTITUTED HETEROCYCLE FUSED GAMMA-CARBOLINES SYNTHESIS**
[54] **SYNTHESE DE GAMMA-CARBOLINES FUSIONNEES A HETEROCYCLES SUBSTITUES**
[72] LI, PENG, US
[72] ZHANG, QIANG, US
[71] INTRA-CELLULAR THERAPIES, INC., US
[22] 2019-06-11
[41] 2019-12-19
[62] 3,106,447
[30] US (62/683,411) 2018-06-11
[30] US (62/780,742) 2018-12-17

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[21] **3,240,556**
[13] A1
[25] EN
[54] **MICRO PUREE MACHINE**
[54] **MACHINE DE MICRO-PUREE**
[72] O'LOUGHLIN, NICHOLAS MICHAEL, US
[72] DENG, XU SHENG, US
[72] ZHANG, TING HUA, US
[72] SHI, MING LI, US
[72] POWER, MICHELLE, US
[72] HE, PUSHAN, US
[72] CHU, PING, US
[72] PROULX, JARED J., US
[72] HEDGES, CHRISTOPHER WILLIAM, US
[72] BARNARD, PIERCE JAMES, US
[71] SHARKNINJA OPERATING LLC, US
[22] 2021-12-20
[41] 2022-07-07
[62] 3,174,149
[30] US (17/139,467) 2020-12-31
[30] US (17/139,494) 2020-12-31
[30] US (17/139,542) 2020-12-31
[30] US (17/139,567) 2020-12-31
[30] US (17/139,660) 2020-12-31
[30] US (17/139,681) 2020-12-31

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[21] **3,240,562**
[13] A1
[51] **Int.Cl. A61K 31/64 (2006.01) A61K 9/19 (2006.01) A61K 47/02 (2006.01) A61K 47/26 (2006.01)**
[25] EN
[54] **IMPROVED FORMULATIONS AND METHODS FOR LYOPHILIZATION AND LYOPHILATES PROVIDED THEREBY**
[54]
[72] JACOBSON, SVEN MARTIN, US
[71] REMEDY PHARMACEUTICALS, INC., US
[22] 2008-12-03
[41] 2009-06-11
[62] 3,123,813
[30] US (60/992,241) 2007-12-04

[21] **3,240,566**
[13] A1
[25] EN
[54] **MICRO PUREE MACHINE**
[54] **MACHINE DE MICRO-PUREE**
[72] O'LOUGHLIN, NICHOLAS MICHAEL, US
[72] DENG, XU SHENG, US
[72] ZHANG, TING HUA, US
[72] SHI, MINH LI, US
[72] POWER, MICHELLE, US
[72] HE, PUSHAN, US
[72] CHU, PING, US
[72] PROULX, JARED J., US
[72] HEDGES, CHRISTOPHER WILLIAM, US
[72] BARNARD, PIERCE JAMES, US
[71] SHARKNINJA OPERATING LLC, US
[22] 2021-12-20
[41] 2022-07-07
[62] 3,174,149
[30] US (17/139,467) 2020-12-31
[30] US (17/139,494) 2020-12-31
[30] US (17/139,542) 2020-12-31
[30] US (17/139,567) 2020-12-31
[30] US (17/139,660) 2020-12-31
[30] US (17/139,681) 2020-12-31

[21] **3,240,581**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **HEART VALVE SEALING DEVICES AND DELIVERY DEVICES THEREFOR**
[54] **DISPOSITIFS D'ETANCHEITE DE VALVES CARDIAQUES ET LEURS DISPOSITIFS DE POSE**
[72] DIXON, ERIC ROBERT, US
[72] CHEN, JENSEN, US
[72] MORATORIO, GUILLERMO W., US
[72] CAO, HENGCHU, US
[72] DOMINICK, DOUGLAS THOMAS, US
[72] DELGADO, SERGIO, US
[72] FRESCHAUF, LAUREN R., US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[22] 2018-04-18
[41] 2018-10-25
[62] 3,052,680
[30] US (62/486,835) 2017-04-18
[30] US (15/884,193) 2018-01-30
[30] US (15/909,803) 2018-03-01
[30] US (15/910,951) 2018-03-02
[30] US (15/914,143) 2018-03-07
[30] US (15/927,814) 2018-03-21
[30] US (15/946,604) 2018-04-05
[30] US (15/953,220) 2018-04-13
[30] US (15/953,263) 2018-04-13
[30] US (15/953,283) 2018-04-13

[21] **3,240,582**
[13] A1
[25] EN
[54] **MICRO PUREE MACHINE**
[54] **MACHINE DE MICRO-PUREE**
[72] O'LOUGHLIN, NICHOLAS MICHAEL, US
[72] DENG, XU SHENG, US
[72] ZHANG, TING HUA, US
[72] SHI, MING LI, US
[72] POWER, MICHELLE, US
[72] HE, PUSHAN, US
[72] CHU, PING, US
[72] PROULX, JARED J., US
[72] HEDGES, CHRISTOPHER WILLIAM, US
[72] BARNARD, PIERCE JAMES, US
[71] SHARKNINJA OPERATING LLC, US
[22] 2021-12-20
[41] 2022-07-07
[62] 3,174,149
[30] US (17/139,467) 2020-12-31
[30] US (17/139,494) 2020-12-31
[30] US (17/139,542) 2020-12-31
[30] US (17/139,567) 2020-12-31
[30] US (17/139,660) 2020-12-31
[30] US (17/139,681) 2020-12-31

[21] **3,240,625**
[13] A1
[25] EN
[54] **CONTROLLED IRRIGATION PROCESS AND SYSTEM FOR LAND APPLICATION OF WASTEWATER**
[54] **PROCEDE D'IRRIGATION CONTROLEE ET SYSTEME D'APPLICATION TERRESTRE D'EAUX USEES**
[72] LACHAPELLE-TROUILLARD, XAVIER, CA
[72] BARBEAU, LOUIS-CLEMENT, CA
[72] ALLARD, FRANCIS, CA
[72] PAYETTE, OLIVIER, CA
[71] GROUPE RAMO INC., CA
[22] 2022-06-03
[41] 2022-12-04
[62] 3,161,470
[30] US (63/196,849) 2021-06-04

[21] **3,240,626**
[13] A1
[25] EN
[54] **SYSTEM INFORMATION BLOCK TRANSMISSION**
[54] **TRANSMISSION DE BLOC D'INFORMATIONS DE SYSTEME**
[72] AKKARAKARAN, SONY, US
[72] LUO, TAO, US
[72] NAGARAJA, SUMEETH, US
[72] ZHANG, XIAOXIA, US
[71] QUALCOMM INCORPORATED, US
[22] 2017-09-22
[41] 2018-04-19
[62] 3,037,003
[30] US (62/408,658) 2016-10-14
[30] US (15/711,565) 2017-09-21

[21] **3,240,629**
[13] A1
[25] EN
[54] **RENAL CELL POPULATIONS AND USES THEREOF**
[54] **POPULATIONS DE CELLULES RENALES ET UTILISATIONS DE CELLES-CI**
[72] BASU, JOYDEEP, US
[72] GUTHRIE, KELLY, US
[72] JUSTEWICZ, DOMINIC, US
[72] BURNETTE, TERESA, US
[72] BRUCE, ANDREW, US
[72] KELLEY, RUSSELL W., US
[72] LUDLOW, JOHN W., US
[71] PROKIDNEY, KY
[22] 2013-10-24
[41] 2014-05-01
[62] 2,889,270
[30] US (61/718,150) 2012-10-24
[30] US (61/876,616) 2013-09-11

[21] **3,240,630**
[13] A1
[25] EN
[54] **IMPROVED SYNTHESIS OF THE RADIOLABELED PROSTATE-SPECIFIC MEMBRANE ANTIGEN (PSMA) INHIBITOR [18F]DCFPYL**
[54] **SYNTHESE AMELIOREE DE L'INHIBITEUR D'ANTIGENE MEMBRANAIRE SPECIFIQUE DE LA PROSTATE (PSMA) RADIOMARQUE [18F]DCFPYL**
[72] RAVERT, HAYDEN T., US
[72] HOLT, DANIEL P., US
[72] CHEN, YING, US
[72] MEASE, RONNIE C., US
[72] FAN, HONG, US
[72] POMPER, MARTIN G., US
[72] DANNALS, ROBERT F., US
[71] THE JOHNS HOPKINS UNIVERSITY, US
[22] 2017-06-09
[41] 2017-12-14
[62] 3,026,889
[30] US (62/348,391) 2016-06-10

[21] **3,240,636**
[13] A1
[51] **Int.Cl. A01C 1/00 (2006.01) F26B 17/14 (2006.01) F26B 21/04 (2006.01) F26B 21/08 (2006.01) F26B 25/12 (2006.01)**
[25] EN
[54] **SEED FLOW CHAMBER FOR SEED CONDITIONING, PROCESSING, AND DRYING IN A TREATMENT SYSTEM**
[54] **CHAMBRE D'ECOULEMENT DE SEMENCES DESTINEE AU CONDITIONNEMENT, AU TRAITEMENT ET AU SECHAGE DE SEMENCES DANS UN SYSTEME DE TRAITEMENT**
[72] KAEB, PAUL A., US
[72] EDELMAN, MATTHEW J., US
[71] KSI CONVEYOR, INC., US
[22] 2017-04-21
[41] 2018-05-17
[62] 3,038,025
[30] US (62/419,757) 2016-11-09

[21] **3,240,643**
[13] A1
[25] EN
[54] **APPARATUS AND SYSTEM FOR BOOSTING, TRANSFERRING, TURNING AND POSITIONING A PATIENT**
[54] **APPAREIL ET SYSTEME DE STIMULATION, DE TRANSFERT, DE ROTATION ET DE POSITIONNEMENT D'UN PATIENT**
[72] RIGONI, MICHAEL J., US
[72] SWEETWOOD, GARRET W., US
[72] FOWLER, PAUL M., US
[72] DAVIS, GREGORY T., US
[72] KENNEDY, JEFFREY A., US
[72] HANIFL, PAUL H., US
[72] GOLDEN, CRAIG S., US
[72] OLSON, MARK D., US
[71] SAGE PRODUCTS, LLC, US
[22] 2017-04-21
[41] 2017-10-26
[62] 3,021,773
[30] US (62/326,548) 2016-04-22

[21] **3,240,667**
[13] A1
[25] EN
[54] **DEVICE FOR ORAL DELIVERY OF THERAPEUTIC COMPOUNDS**
[54] **DISPOSITIF POUR L'ADMINISTRATION ORALE DE COMPOSES THERAPEUTIQUES**
[72] IMRAN, MIR, US
[72] HERRMANN, PETER, US
[72] SYED, BABER, US
[72] WILLIAMS, TIMOTHY H., US
[72] JIN ONG, CHANG, US
[72] METHOD, GREG, US
[71] RANI THERAPEUTICS, LLC, US
[22] 2014-03-12
[41] 2014-10-02
[62] 3,104,670
[30] US (13/837,025) 2013-03-15

[21] **3,240,745**
[13] A1
[51] **Int.Cl. A61K 31/4439 (2006.01) A61K 31/44 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **CANCER TREATMENT USING COMBINATIONS OF ERK AND RAF INHIBITORS**
[54] **TRAITEMENT DU CANCER FAISANT APPEL A DES ASSOCIATIONS D'INHIBITEURS DE L'ERK ET DE LA RAF**
[72] SAHA, SAURABH, US
[72] WELSCH, DEAN, US
[72] DECRESCENZO, GARY, US
[72] ROIX, JEFFREY JAMES, US
[71] BIOMED VALLEY DISCOVERIES, INC., US
[22] 2014-12-19
[41] 2015-06-25
[62] 3,168,002
[30] US (61/919,347) 2013-12-20

Index of Canadian Patents Issued

June 25, 2024

Index des brevets canadiens délivrés

25 juin 2024

Index of Canadian Patents Issued
June 25, 2024

Index des brevets canadiens délivrés
25 juin 2024

Index of Canadian Patents Issued
June 25, 2024

Index des brevets canadiens délivrés
25 juin 2024

Index of Canadian Patents Issued
June 25, 2024

Index des brevets canadiens délivrés
25 juin 2024

Index of Canadian Applications Open to Public Inspection

June 9, 2024 to June 15, 2024

Index des demandes canadiennes mises à la disponibilité du public

9 juin 2024 au 15 juin 2024

Index of Canadian Applications Open to Public Inspection
June 9, 2024 to June 15, 2024

Index des demandes canadiennes mises à la disponibilité du public
9 juin 2024 au 15 juin 2024

Index of Canadian Applications Open to Public Inspection
June 9, 2024 to June 15, 2024

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

Index des demandes PCT entrant en phase nationale

Index des demandes PCT entrant en phase nationale

Index des demandes PCT entrant en phase nationale

Index des demandes PCT entrant en phase nationale

Index des demandes PCT entrant en phase nationale

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection