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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.

The Canadian Intellectual Property Office does not guarantee the accuracy of this publication, nor undertake any responsibility for errors or omissions or their consequences.

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.

L'Office de la propriété intellectuelle de Canada ne garantit pas l'exactitude de la présente publication et ne se rend responsable d'aucune erreur ou omission ou de leurs conséquences.

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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'identification 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), siège 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

Avis

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 mégaoctets qui excède 7 mégaoctets, 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:

None

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 :

Aucun

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.

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).

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

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. 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. 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

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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

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.

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).

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 57.2a) 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).

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(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

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1. Physical Delivery of Correspondence and Written Communications to CIPO
2. Electronic Correspondence
3. Details Concerning the Electronic Formats Accepted
4. General Information
5. Time Period Extensions
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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

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2. Correspondance électronique
3. Précisions concernant les formats électroniques acceptés
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5. Prorogation des délais
6. Procédures en cas de fermeture imprévue des bureaux de l'OPIC

Avis

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.

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

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

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. 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

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 renvoyés à l'expéditeur.

Le formulaire de paiements des frais devrait toujours être

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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,

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except statutory holiday	l'exception des jours fériés
<ul style="list-style-type: none">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	<ul style="list-style-type: none">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
8:30 a.m. to 4:30 p.m. (local time) Monday to Friday, except statutory holidays	8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés
<ul style="list-style-type: none">Innovation, Science and Economic Development Canada Library Square 300 West Georgia Street, Suite 2000 Vancouver BC V6B 6E1 Tel.: 604-666-5000	<ul style="list-style-type: none">Innovation, Sciences et Développement économique Canada Library Square 300, rue Georgia Ouest, pièce 2000 Vancouver (C.-B.) V6B 6E1 Tél. : 604-666-5000
8:30 a.m. to 4:30 p.m. (local time) Monday to Friday, except statutory holidays	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

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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.

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

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. 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,

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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).

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.

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 où l'OPIC l'a reçue (Heure de l'Est).

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 inconvenients 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.

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Patents

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

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.

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](#).

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](#).

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

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 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.

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](#).

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](#).

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

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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;](#)

- [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](#)

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.

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.

Copyright

Droits d'auteur

Notices

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

Avis

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.

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 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.

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 discrédition 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.

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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.

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.

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 "Stelligent 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

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.

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. 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 « Stelligent 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.

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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.

Notices

4. General Information

General information may be obtained by communicating with CIPO's [Client Service Centre](#).

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](#)

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;

4. Renseignements généraux

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

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](#)

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 (1^{er} 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 (1^{er} juillet)*;
- Le premier lundi du mois d'août***;
- Fête du travail : Premier lundi du mois de septembre;

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- 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 considérés avoir été reçus à cette date.

La prorogation de délai concernant les jours prescrits ou réglementaires 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 réglementaires 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^{MC}, ou par Xpresspost^{MC} 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

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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

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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](#).

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

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. 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

Notices

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](#)

Avis

- [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 April 18, 2023 contains applications open to public inspection from April 2, 2023 to April 8, 2023.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 18 avril 2023 contient les demandes disponibles au public pour consultation pour la période du 2 avril 2023 au 8 avril 2023.

Canadian Patents Issued

April 18, 2023

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[25] EN

[54] PREPARATION AND COMPOSITION OF INTER-ALPHA INHIBITOR PROTEINS FROM BLOOD

[54] PREPARATION ET COMPOSITION DE PROTEINES DE LA FAMILLE DE L'INHIBITEUR INTER-ALPHA A PARTIR DE SANG

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[72] SIRYA, EDWARD S., US

[72] BRNE, PETER, SI

[73] PROTHERA BIOLOGICS, INC., US

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[54] PROCEDE DE FABRICATION D'UNE IMMUNOGLOBULINE GLYCOSYLE

[72] FRANZE, REINHARD, DE

[72] HIRASHIMA, CHIKASHI, JP

[72] LINK, THOMAS, DE

[72] TAKAGI, YOSHINORI, JP

[72] TAKUMA, SHINYA, JP

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[73] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP

[73] F. HOFFMANN-LA ROCHE AG, CH

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[54] AFFICHAGE DE PARAMETRES HEMOSTATIQUES

[72] VIOLA, FRANCESCO, US

[72] WALKER, WILLIAM F., US

[72] BROWNE, GREGORY V., CA

[72] LOOKER, ADAM, CA

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[73] HEMOSONICS, LLC, US

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[54] UTILISATION DES DIHYDROPYRIDINES (CLEVIDIPINE) A COURTE DUREE D'ACTION POUR REDUIRE DES LESIONS CONSECUTIVES A UN ACCIDENT VASCULAIRE CEREBRAL

[72] WILLIAMS, GREGORY CHARLES, US

[73] CHIESI FARMACEUTICI S.P.A., IT

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[54] PROCEDE DE DIAGNOSTIC DE LA MALADIE DE GAUCHER

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[54] SYSTEME ET PROCEDE DE CONVERSION DE PUSSANCE

[72] ZHU, YI, CN

[72] ZHANG, FAN, CN

[72] SCHROEDER, STEFAN, DE

[72] SHEN, JIE, DE

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- [25] EN
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- [54] **SYSTEME EQUILIBRE ET METHODE DE FABRICATION DE PRODUITS MICROBIENS**
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- [72] AMES, ROBERT N., US
- [72] LANCIAUT, DAVID P., US
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- [30] EP (13184290.8) 2013-09-13

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- [25] EN
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- [54] **RECEPTEUR ELECTROMAGNETIQUE DE POURSUITE ET SYSTEME ET METHODE D'ETALONNAGE EN TEMPS REEL**
- [72] BERRINGER, JASON, FR
- [72] MILES, PHILIP, FR
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- [25] EN
- [54] **METHOD AND SYSTEM FOR PROVIDING A PAYROLL PREPARATION PLATFORM WITH USER CONTRIBUTION-BASED PLUG-INS**
- [54] **PROCEDE ET SYSTEME POUR FOURNIR UNE PLATEFORME DE PREPARATION DE FEUILLE DE PAIE COMPRENANT DES MODULES D'EXTENSION BASES SUR UNE CONTRIBUTION D'UTILISATEUR**
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- [30] US (13/668,014) 2012-11-02

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- [72] ESCOBAR-CABRERA, ERIC, CA
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MACHINE
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<p style="text-align: right;">[11] 3,005,586 [13] C</p> <p>[51] Int.Cl. A01G 9/24 (2006.01) B65D 88/74 (2006.01) F16L 55/027 (2006.01) F24F 7/10 (2006.01) F24F 13/068 (2006.01) F25D 17/00 (2006.01)</p> <p>[25] EN</p> <p>[54] A CLIMATE CONTROL SYSTEM FOR A DELIMITED SPACE</p> <p>[54] SYSTEME DE REGULATION DU CLIMAT POUR UN ESPACE DELIMITE</p> <p>[72] VAN DER HELM, REINIERUS THEODORUS CORNELIS, NL [72] BREUKEL, CORNELIS MARINUS GIJSBERTUS ADRIANUS MARIA, NL [73] PRIVA B.V., NL [85] 2018-05-16 [86] 2015-11-18 (PCT/NL2015/050806) [87] (WO2017/086775)</p>	<p style="text-align: right;">[11] 3,006,675 [13] C</p> <p>[51] Int.Cl. B64D 15/00 (2006.01) B08B 5/04 (2006.01) B64C 21/06 (2006.01) B64D 15/04 (2006.01)</p> <p>[25] EN</p> <p>[54] EDUCTOR DRIVEN ANTI-ICE SYSTEM</p> <p>[54] SYSTEME ANTIGIVRE ENTRAINE PAR UN INDUCTEUR</p> <p>[72] REISSIG, MARK ANTHONY, US [72] LOPEZ, DAVID JAMAL, US [72] SATO, SHO, US [73] THE BOEING COMPANY, US [86] (3006675) [87] (3006675) [22] 2018-05-29 [30] US (15/655,600) 2017-07-20</p>	<p style="text-align: right;">[11] 3,012,074 [13] C</p> <p>[51] Int.Cl. C07D 215/227 (2006.01) C07B 37/04 (2006.01) C07B 43/04 (2006.01) C07B 43/06 (2006.01) C07D 239/26 (2006.01) C07D 307/36 (2006.01) C07D 405/04 (2006.01) C07D 409/04 (2006.01) C07F 5/02 (2006.01)</p> <p>[25] EN</p> <p>[54] ORGANIC REACTIONS CARRIED OUT IN AQUEOUS SOLUTION IN THE PRESENCE OF A HYDROXYALKYL(ALKYL)CELLULOSE OR AN ALKYLCELLULOSE</p>
<p style="text-align: right;">[11] 3,009,147 [13] C</p> <p>[51] Int.Cl. E21B 7/04 (2006.01)</p> <p>[25] EN</p> <p>[54] DOWNHOLE POWER CONVERSION AND MANAGEMENT USING A DYNAMICALLY ADJUSTABLE VARIABLE DISPLACEMENT PUMP</p> <p>[54] CONVERSION ET GESTION DE LA PUISSANCE DE FOND DE TROU A L'AIDE D'UNE POMPE A CYLINDREE VARIABLE ET REGLAGE DYNAMIQUE</p> <p>[72] BARGACH, SAAD, US [72] BONNER, STEPHEN D., US [72] NOLD, RAYMOND V., III, US [72] MASSEY, JAMES P., US [72] BRUNETTI, JON A., US [73] ISODRILL, INC., US [85] 2018-06-19 [86] 2016-01-06 (PCT/US2016/012373) [87] (WO2017/119880)</p>	<p style="text-align: right;">[11] 3,011,935 [13] C</p> <p>[51] Int.Cl. H04W 48/12 (2009.01) H04W 48/14 (2009.01) H04W 52/02 (2009.01)</p> <p>[25] EN</p> <p>[54] PROVIDING A SYSTEM INFORMATION BLOCK REQUEST AND RESPONSE</p> <p>[54] TRANSMISSION DE BLOC D'INFORMATIONS SYSTEME SUR DEMANDE</p> <p>[72] TAVILDAR, SAURABHA, US [72] JI, TINGFANG, US [72] HORN, GAVIN BERNARD, US [72] AGARWAL, RAVI, US [72] KUBOTA, KEIICHI, US [73] QUALCOMM INCORPORATED, US [85] 2018-07-18 [86] 2017-01-27 (PCT/US2017/015441) [87] (WO2017/139111) [30] US (62/293,633) 2016-02-10 [30] US (15/242,124) 2016-08-19</p>	<p style="text-align: right;">[11] 3,012,074 [13] C</p> <p>[51] Int.Cl. C07D 215/227 (2006.01) C07B 37/04 (2006.01) C07B 43/04 (2006.01) C07B 43/06 (2006.01) C07D 239/26 (2006.01) C07D 307/36 (2006.01) C07D 405/04 (2006.01) C07D 409/04 (2006.01) C07F 5/02 (2006.01)</p> <p>[25] EN</p> <p>[54] ORGANIC REACTIONS CARRIED OUT IN AQUEOUS SOLUTION IN THE PRESENCE OF A HYDROXYALKYL(ALKYL)CELLULOSE OR AN ALKYLCELLULOSE</p> <p>[54] REACTIONS ORGANIQUES REALISEES DANS UNE SOLUTION AQUEUSE EN PRESENCE D'UNE HYDROXYALKYL(ALKYL)CELLULOSE OU D'UNE ALKYLCELLULOSE</p> <p>[72] BRAJE, WILFRIED, DE [72] BRITZE, KATARINA, DE [72] DIETRICH, JUSTIN D., US [72] JOLIT, ANAIS, DE [72] KASCHEL, JOHANNES, DE [72] KLEE, JOHANNA, DE [72] LINDNER, TANJA, DE [73] ABBVIE DEUTSCHLAND GMBH & CO. KG, DE [73] ABBVIE INC., US [85] 2018-07-20 [86] 2017-01-27 (PCT/EP2017/051858) [87] (WO2017/129796) [30] US (62/288,890) 2016-01-29 [30] EP (PCT/EP2016/053238) 2016-02-16</p>

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- [54] MEMBRANE EN CARBONE POUR LA SEPARATION DE FLUIDES ET MODULE DE MEMBRANE EN CARBONE POUR LA SEPARATION DE FLUIDES
- [72] KITABATA, MASAHIRO, JP
- [72] TAKEUCHI, KOSAKU, JP
- [72] MIHARA, TAKAAKI, JP
- [72] HORIGUCHI, TOMOYUKI, JP
- [73] TORAY INDUSTRIES, INC., JP
- [85] 2018-07-20
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- [54] STATION DE RECHARGE ELECTRIQUE MONTEE SUR UN MEUBLE
- [72] BYRNE, NORMAN R., US
- [72] WARD, JOSEPH D., US
- [73] BYRNE, NORMAN R., US
- [86] (3012546)
- [87] (3012546)
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- [25] EN
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- [54] TRAITEMENT DE MINERAIS D'URANIUM AMELIORE FAISANT INTERVENIR UN HYDROCYCLONE POUR L'ENRICHISSEMENT DU MINERAIS
- [72] HILL, MURRAY PHILIP, AU
- [73] URANIUM BENEFICIATION PTY LTD, AU
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- [54] IMPROVED INFLUENZA B VIRUS REPLICATION FOR VACCINE DEVELOPMENT
- [54] REPLICATION AMELIOREE DU VIRUS DE LA GRIPPE B POUR L'ELABORATION DE VACCIN
- [72] KAWAOKA, YOSHIHIRO, US
- [72] NEUMANN, GABRIELE, US
- [72] PING, JIHUI, US
- [73] WISCONSIN ALUMNI RESEARCH FOUNDATION (WARF), US
- [85] 2018-08-13
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- [54] INDICATEUR DE CHARGE DESTINE A UN APPAREIL ANTI-CHUTE
- [72] HETRICH, MITCHELL H., US
- [72] HALL, MARK, US
- [72] WU, JEFFREY, CN
- [72] BAO, DAVID, CN
- [72] ZHAN, JAMES, CN
- [72] ZHAN, JIM, CN
- [73] MSA TECHNOLOGY, LLC, US
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- [72] PLEMPER, RICHARD, K., US
- [72] LEE, EDDY, US
- [72] VERNACHIO, JOHN, US
- [72] BOURQUE, ELYSE, CA
- [73] GEORGIA STATE UNIVERSITY RESEARCH FOUNDATION, INC., US
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- [86] 2017-05-10 (PCT/US2017/031945)
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[54] **GALVANICALLY FUNCTIONALIZED SENSORS**
[54] **CAPTEURS A FONCTIONNALISATION GALVANIQUE**
[72] WIEDER, HERBERT, DE
[73] F. HOFFMANN-LA ROCHE AG, CH
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[86] 2017-06-28 (PCT/EP2017/065943)
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[25] EN
[54] **METHODS AND PRODUCTS FOR IN VIVO ENZYME PROFILING**
[54] **PROCEDES ET PRODUITS POUR ETABLIR UN PROFIL ENZYMATIQUE IN VIVO**
[72] BHATIA, SANDEET N., US
[72] VON MALTZAHN, GEOFFREY A., US
[72] KWONG, GABRIEL, US
[73] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[86] (3026701)
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[25] EN
[54] **PERFORMANCE MODEL ADVERSE IMPACT CORRECTION**
[54] **CORRECTION D'IMPACT INDESIRABLE DE MODELE DE PERFORMANCE**
[72] LARSEN, LOREN, US
[72] TAYLOR, BENJAMIN, US
[73] HIREVUE, INC., US
[85] 2018-12-06
[86] 2017-04-11 (PCT/US2017/026984)
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[30] US (62/321,585) 2016-04-12
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[54] **FISH FILLET BOARD AND METHOD OF USE**
[54] **PLANCHE DE FILETAGE DE POISSON ET PROCEDE D'UTILISATION**
[72] BRUGGEMAN, KIMBER, US
[73] BRUGGEMAN, KIMBER, US
[73] GABRIELS, EDWARD, US
[85] 2019-01-11
[86] 2017-08-03 (PCT/US2017/045392)
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[25] EN
[54] **SAMPLE ANALYZER SYSTEM WITH A SAMPLE VESSEL HAVING OPAQUE AND TRANSLUCENT PORTIONS**
[54] **SYSTEME D'ANALYSE D'ECHANTILLON PRESENTANT UN RECIPIENT A ECHANTILLON POURVU DE PARTIES OPAQUES ET DE PARTIES TRANSLUCIDES**
[72] JASPERSE, JEFFREY, US
[72] DESMARAIS, NORMAND, US
[73] SIEMENS HEALTHCARE DIAGNOSTICS INC., US
[85] 2019-01-16
[86] 2017-07-17 (PCT/US2017/042370)
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[25] EN
[54] **PIPERIDINE CXCR7 RECEPTOR MODULATORS**
[54] **MODULATEURS DU RECEPTEUR DE CXCR7 PIPERIDINE**
[72] AISSAOUI, HAMED, CH
[72] GUERRY, PHILIPPE, CH
[72] LEHEMBRE, FRANCOIS, CH
[72] POTIER, JULIEN, CH
[72] POUZOL, LAETITIA, CH
[72] RICHARD-BILDSTEIN, SYLVIA, CH
[72] YUAN, SHUGUANG, CH
[73] IDORSIA PHARMACEUTICALS LTD, CH
[85] 2019-01-25
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<p>[11] 3,045,927 [13] C</p> <p>[51] Int.Cl. H01L 29/20 (2006.01) H01L 29/45 (2006.01) H01L 29/66 (2006.01) H01L 29/778 (2006.01)</p> <p>[25] EN</p> <p>[54] NITRIDE STRUCTURE HAVING GOLD-FREE CONTACT AND METHODS FOR FORMING SUCH STRUCTURES</p> <p>[54] STRUCTURE DE NITRURE AYANT UN CONTACT SANS OR ET PROCEDES DE FORMATION DE TELLES STRUCTURES</p> <p>[72] LAROCHE, JEFFREY R., US</p> <p>[72] CHUMBES, EDUARDO M., US</p> <p>[72] IP, KELLY P., US</p> <p>[72] KAZIOR, THOMAS E., US</p> <p>[73] RAYTHEON COMPANY, US</p> <p>[85] 2019-05-10</p> <p>[86] 2018-02-13 (PCT/US2018/017896)</p> <p>[87] (WO2018/156375)</p> <p>[30] US (15/438,196) 2017-02-21</p>
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<p>[11] 3,046,469 [13] C</p> <p>[51] Int.Cl. H02S 20/23 (2014.01) E04D 13/18 (2018.01)</p> <p>[25] EN</p> <p>[54] ROOF INTEGRATED PHOTOVOLTAIC SYSTEM WITH IMPROVED SERVICEABILITY</p> <p>[54] DISPOSITIF PHOTOVOLTAIQUE INTEGRE A LA TOITURE PRESENTANT UNE FONCTIONNALITE AMELIOREE</p> <p>[72] RODRIGUES, TOMMY F., US</p> <p>[72] GENNRICH, DAVID J., US</p> <p>[72] DZOBA, NAZAR, US</p> <p>[72] MASL, LUCAS, US</p> <p>[72] BOSS, DANIEL E., US</p> <p>[72] RAILKAR, SUDHIR, US</p> <p>[73] BUILDING MATERIALS INVESTMENT CORPORATION, US</p> <p>[86] (3046469)</p> <p>[87] (3046469)</p> <p>[22] 2019-06-13</p> <p>[30] US (62/693,770) 2018-07-03</p> <p>[30] US (62/793,724) 2018-10-01</p>
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<p>[11] 3,047,901 [13] C</p> <p>[51] Int.Cl. C23C 30/00 (2006.01) C23C 14/35 (2006.01)</p> <p>[25] EN</p> <p>[54] COPPER-BASED ANTIMICROBIAL PVD COATINGS</p> <p>[54] REVETEMENTS DE CUIVRE ANTIMICROBIENS PAR DEPOT PHYSIQUE EN PHASE VAPEUR</p> <p>[72] ANTON, BRYCE RANDOLPH, US</p> <p>[72] PETERSON, NICHOLAS, US</p> <p>[73] VAPOR TECHNOLOGIES, INC., US</p> <p>[86] (3047901)</p> <p>[87] (3047901)</p> <p>[22] 2019-06-25</p> <p>[30] US (62/690,781) 2018-06-27</p> <p>[30] US (16/447,339) 2019-06-20</p>
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WATER IN A SANITARY
FACILITY

[54] PROCEDE ET DISPOSITIF POUR
ECONOMISER L'ENERGIE
CALORIFIQUE ET L'EAU DANS
UNE INSTALLATION SANITAIRE

[72] PERRIN, DAVID, FR

[73] PERRIN, DAVID, FR

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[30] FR (FR1770253) 2017-03-15

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[72] PEZZIMENTI, LUKE A., US

[72] KOSHKAROFF, IUSTINIA, US

[72] SZE, KEVIN C., US

[73] NIKE INNOVATE C.V., US

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[86] 2018-05-17 (PCT/US2018/033094)

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[30] US (15/597,540) 2017-05-17

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[51] Int.Cl. A61B 5/15 (2006.01) A61B
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(2006.01) A61M 5/315 (2006.01)

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METHODS FOR BODILY FLUID
COLLECTION AND SAMPLING

[54] SYSTEMES ET PROCEDES A
SERINGUE DESTINES AU
PRELEVEMENT ET A
L'ECHANTILLONNAGE DE
LIQUIDE CORPOREL

[72] HOPKINS, MICHAEL, US

[73] TRUE CONCEPTS MEDICAL
TECHNOLOGIES, LLC, US

[85] 2019-09-26

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[30] US (62/350,341) 2016-06-15

[30] US (15/624,467) 2017-06-15

[11] 3,058,129

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[51] Int.Cl. G01N 33/493 (2006.01) G01N
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[25] EN

[54] METHOD FOR PREDICTING
THERAPEUTIC EFFECT AND/OR
RECURRENCE MONITORING IN
CANCER PATIENTS

[54] PROCEDE DE PREDICTION D'UN
EFFET THERAPEUTIQUE ET/OU
DE SURVEILLANCE DE LA
RECIDIVE CHEZ DES PATIENTS
CANCEREUX

[72] HIROTSU, TAKAAKI, JP

[73] HIROTSU BIO SCIENCE INC., JP

[73] NANPUH HOSPITAL, JP

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[86] 2018-03-30 (PCT/JP2018/013578)

[87] (WO2018/181881)

[30] JP (2017-069733) 2017-03-31

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[51] Int.Cl. B29C 45/14 (2006.01) B65D
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[25] EN

[54] METHODS OF OVERMOLDING
SOFTER MATERIAL WITH
HARDER MATERIAL AND
MOISTURE TIGHT CONTAINER
ASSEMBLIES MADE BY THE
METHODS

[54] PROCEDES DE SURMOULAGE DE
MATERIAU PLUS MOU AVEC UN
MATERIAU PLUS DUR ET
ENSEMBLES CONTENANTS
ETANCHES A L'HUMIDITE
FABRIQUES PAR LES PROCEDES

[72] HUBER, DONALD, US

[72] FREEDMAN, JONATHAN R., US

[72] TIFFT, BRIAN, US

[72] LUCAS, FRANKLIN LEE, JR., US

[73] CSP TECHNOLOGIES, INC., US

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- [25] EN
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- [54] CONJUGAISON D'UN MEDICAMENT CYTOTOXIQUE AVEC UNE BIS-LIAISON
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- [72] HUANG, YUANYUAN, CN
- [72] YANG, QINGLIANG, CN
- [72] GAI, SHUN, CN
- [72] YE, HANGBO, CN
- [72] ZHAO, LINYAO, CN
- [72] YANG, CHENGYU, CN
- [72] XU, YIFANG, CN
- [72] GUO, HUIHUI, CN
- [72] CHAO, MINJUN, CN
- [72] TONG, QIANQIAN, CN
- [72] LI, WENJUN, CN
- [72] CAI, XIANG, CN
- [72] ZHOU, XIAOMAI, CN
- [72] XIE, HONGSHENG, CN
- [72] JIA, JUNXIANG, CN
- [72] ZHU, HAIFENG, CN
- [72] GUO, ZHIXIANG, CN
- [72] GAO, SHUIHONG, CN
- [72] WANG, CHUNYAN, CN
- [72] LIN, CHEN, CN
- [72] YANG, YANLEI, CN
- [72] YE, ZHICANG, CN
- [72] PENG, JIE, CN
- [72] XU, JUN, CN
- [72] ZUO, XIAOTAO, CN
- [72] SU, QINGYU, CN
- [73] HANGZHOU DAC BIOTECH CO., LTD, CN
- [85] 2019-10-01
- [86] 2017-04-06 (PCT/IB2017/051977)
- [87] (WO2018/185526)

[11] 3,058,829

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- [51] Int.Cl. C22C 38/38 (2006.01) B21J 1/06 (2006.01) C21D 8/00 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/26 (2006.01) C22C 38/28 (2006.01) C22C 38/32 (2006.01)
- [25] EN
- [54] STEEL FOR PRESS HARDENING AND PRESS HARDENED PART MANUFACTURED FROM SUCH STEEL
- [54] ACIER POUR UNE TREMPE A LA PRESSE ET PIECE TREMPEE A LA PRESSE FABRIQUEE A PARTIR D'UN TEL ACIER
- [72] DRILLET, PASCAL, FR
- [72] POIRIER, MARIA, FR
- [72] SARKAR, SUJAY, FR
- [73] ARCELORMITTAL, LU
- [86] (3058829)
- [87] (3058829)
- [22] 2016-06-10
- [62] 2,990,356
- [30] IB (PCT/IB2015/001156) 2015-07-09

[11] 3,059,952

[13] C

- [51] Int.Cl. C12Q 1/6806 (2018.01) C12Q 1/6855 (2018.01)
- [25] EN
- [54] COMPOSITIONS AND METHODS FOR IMPROVING SAMPLE IDENTIFICATION IN INDEXED NUCLEIC ACID LIBRARIES
- [54] COMPOSITIONS ET PROCEDES POUR AMELIORER L'IDENTIFICATION D'ECHANTILLONS DANS DES BIBLIOTHEQUES D'ACIDES NUCLEIQUES INDEXES
- [72] VERMAAS, ERIC HANS, US
- [72] KHOSROHEIDARI, MAHDIEH, US
- [72] BEVIS-MOTT, CLAIRE, GB
- [73] ILLUMINA CAMBRIDGE LIMITED, GB
- [73] ILLUMINA, INC., US
- [85] 2019-10-11
- [86] 2018-04-23 (PCT/US2018/028881)
- [87] (WO2018/200386)
- [30] US (62/488,833) 2017-04-23

[11] 3,062,615

[13] C

- [51] Int.Cl. G06Q 50/30 (2012.01)
- [25] EN
- [54] EARLY BOARDING OF PASSENGERS IN AUTONOMOUS VEHICLES
- [54] EMBARQUEMENT PRECOCE DE PASSAGERS DANS DES VEHICULES AUTONOMES
- [72] NEMEC, PHILIP, US
- [72] HUBERT, RENAUD-ROLAND, US
- [72] HERBACH, JOSHUA SETH, US
- [72] CHAN, MIN LI, US
- [72] EPSTEIN, MICHAEL, US
- [72] PANDIT, SALIL, US
- [72] DYER, JOHN WESLEY, US
- [72] ROTHEMBERG, JULIET, US
- [73] WAYMO LLC, US
- [85] 2019-11-06
- [86] 2018-05-09 (PCT/US2018/031780)
- [87] (WO2018/213075)
- [30] US (62/508,482) 2017-05-19
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- [30] US (15/854,211) 2017-12-26

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- [25] EN
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- [54] ACHEMINEMENT DU TRAFIC RESEAU EN FONCTION DE LA DESTINATION
- [72] SHAH, HIMANSHU, US
- [72] ATTARWALA, MURTUZA, US
- [72] ARANHA, LINUS, US
- [73] CISCO TECHNOLOGY, INC., US
- [85] 2019-11-08
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- [30] US (15/591,065) 2017-05-09

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[25] EN
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[54] APPAREIL DE VERROU ROTATIF
[72] LIVINGSTON, JIMMY, US
[72] MCGUIRE, BOB, US
[73] OIL STATES ENERGY SERVICES, L.L.C., US
[86] (3065716)
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[51] Int.Cl. H04W 72/232 (2023.01) H04L 1/16 (2023.01)
[25] EN
[54] TRANSMISSION METHOD, APPARATUS AND SYSTEM FOR MULTIPLEXING AND TRANSMITTING MULTIPLE FEEDBACK ACKNOWLEDGE INFORMATION IN ONE SLOT
[54] METHODE, APPAREIL ET SYSTEME DE TRANSMISSION POUR LE MULTIPLEXAGE ET LA TRANSMISSION DE MULTIPLES RENSEIGNEMENTS D'ACCUSE DE LIAISON RETOUR DANS UN SEUL CRENEAU
[72] LIN, YANAN, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-04
[86] 2017-07-14 (PCT/CN2017/093015)
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[51] Int.Cl. H04W 8/18 (2009.01) H04W 8/00 (2009.01)
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[54] ARCHITECTURE DE SERVICES DE L'INTERNET DES OBJETS
[72] XU, RICHARD H., US
[72] YURCHENKO, VITALIY G., US
[72] JOSEPH, AJAY, US
[72] PELLEGRINI, RICHARD M., US
[73] IBASIS, INC., US
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[30] US (15/634,692) 2017-06-27

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[51] Int.Cl. C09K 5/06 (2006.01)
[25] EN
[54] PHASE-CHANGE MATERIAL AND METHOD FOR PRODUCING SAME
[54] MATERIAU A CHANGEMENT DE PHASE ET PROCEDE DE PRODUCTION DUDIT MATERIAU
[72] NOEL, JOHN ALEXANDER, CA
[72] WHITE, MARY ANNE, CA
[73] NOEL, JOHN ALEXANDER, CA
[73] WHITE, MARY ANNE, CA
[85] 2019-12-17
[86] 2018-06-12 (PCT/CA2018/050704)
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[30] US (62/530,494) 2017-07-10

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[51] Int.Cl. F02B 25/00 (2006.01) F01B 1/00 (2006.01) F02B 75/32 (2006.01) F02F 1/24 (2006.01) F16C 5/00 (2006.01)
[25] EN
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[54] SYSTEME DE VENTILATION DE CARTER AVEC MANCHONS D'ALIGNEMENT D'ESPACE MORT
[72] ALVARADO, CALEB ANDREW, US
[72] RHOADES, PETER WILLIAM, US
[73] ONBOARD DYNAMICS, LLC., US
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[86] 2018-06-27 (PCT/US2018/039662)
[87] (WO2019/027594)
[30] US (62/540,001) 2017-08-01

[11] 3,069,837
[13] C
[51] Int.Cl. B60P 7/02 (2006.01) B62D 33/04 (2006.01)
[25] EN
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[54] COUVERCLE RETRACTABLE AVEC COUSSINET AXIAL GUIDE
[72] VOEGELE, TYLER ALYCE, US
[73] RETRAX HOLDINGS, LLC, US
[86] (3069837)
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[22] 2020-01-27
[30] US (16/655,448) 2019-10-17

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[51] Int.Cl. A63B 21/02 (2006.01) A63B 69/00 (2006.01)
[25] EN
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[54] HARNAIS D'ENTRAINEMENT PAR RESISTANCE
[72] DESROSIERS, MICHELLE, CA
[73] DESROSIERS, MICHELLE, CA
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[86] 2017-08-18 (PCT/CA2017/000193)
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[11] 3,073,023
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[25] EN
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[54] RESERVOIR NON CONVENTIONNEL AMELIORE OU RECUPERATION ASSISTEE DE PETROLE
[72] SIESS, CHARLES P., III, US
[72] WATTS, KEVIN G., US
[72] WATTS, ROBERTA, US
[72] BABCOCK, JOHN A., US
[73] LINDE AKTIENGESELLSCHAFT, DE
[73] BABCOCK, JOHN A., US
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 - [25] EN
 - [54] ESTIMATING TIME TO PICK UP AND DROP OFF PASSENGERS FOR IMPROVED STOPPING ANALYSIS IN AUTONOMOUS VEHICLES
 - [54] ESTIMATION DE TEMPS POUR ALLER CHERCHER ET DEPOSER DES PASSAGERS EN VUE D'UNE MEILLEURE ANALYSE DE L'ARRET DANS DES VEHICULES AUTONOMES
 - [72] DYER, JOHN WESLEY, US
 - [72] TORRES, LUIS, US
 - [72] CHEN, YU-HSIN, US
 - [72] EPSTEIN, MICHAEL, US
 - [73] WAYMO LLC, US
 - [85] 2020-02-18
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 - [87] (WO2019/040420)
 - [30] US (15/682,754) 2017-08-22
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- [25] EN
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- [54] SYSTEMES ET METHODES POUR FOURNIR UNE TRADUCTION D'ADRESSE EN DEUX RESEAUX
- [72] MCKINNEY, JACK DENNIS, US
- [72] MCKINNEY, RICHARD LEE, US
- [73] E^NAT TECHNOLOGIES, LLC, US
- [86] (3073411)
- [87] (3073411)
- [22] 2014-01-02
- [62] 2,897,105
- [30] US (61/748,248) 2013-01-02

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 - [25] EN
 - [54] SYSTEM, METHOD, AND APPLICATION FOR EXCHANGING CONTENT IN A SOCIAL NETWORK ENVIRONMENT
 - [54] SYSTEME, METHODE ET DEMANDE D'ECHANGE DE CONTENU DANS UN ENVIRONNEMENT DE RESEAU SOCIAL
 - [72] SAVENOK, ALEXANDER, US
 - [72] SAVENOK, PAVEL, US
 - [72] LEEKLEY, GREGORY H., US
 - [73] VERTIGO MEDIA, INC., US
 - [86] (3073584)
 - [87] (3073584)
 - [22] 2017-05-03
 - [62] 2,965,925
 - [30] US (15/124,014) 2016-09-06
 - [30] US (15/305,977) 2016-10-21
 - [30] US (15/407,192) 2017-01-16
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- [25] EN
- [54] AIRBAGS AND METHODS FOR PRODUCTION OF AIRBAGS
- [54] DISPOSITIFS GONFLABLES DE SECURITE ET PROCEDES DE PRODUCTION DE DISPOSITIFS GONFLABLES DE SECURITE
- [72] BARNES, JOHN, GB
- [72] HUNT, NEIL, GB
- [72] SHARMA, VARUNESH, US
- [72] TOWNSON, MARTIN, GB
- [72] GAUTHIER, ANNE, GB
- [73] INVISTA TEXTILES (U.K.) LIMITED, GB
- [85] 2020-03-16
- [86] 2018-09-27 (PCT/US2018/053009)
- [87] (WO2019/067655)
- [30] US (62/565,195) 2017-09-29
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[54] DISPOSITIF DE CHAUFFAGE
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AXIALE POUR L'EXTRACTION
DE TABAC

[72] LIU, HUACHEN, CN

[72] CHEN, YIKUN, CN

[72] LIU, LEI, CN

[72] DONG, AIJUN, CN

[72] KE, WEICHANG, CN

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INHIBITOR AND PREPARATION
METHOD THEREFOR

[54] FORME CRISTALLINE ET
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[72] HE, HUIJUN, CN

[72] LU, JIANYU, CN

[72] DING, CHARLES Z., CN

[72] HU, LIHONG, CN

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[72] FREDRICKSON, CHRIS, US
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[72] BAINES, ANDREW G., US
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[72] PIETROWICZ, STEPHANE, FR
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[72] SMITH, LARRY, US
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[72] NGUYEN, DIEMCHI, US
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[72] COJOCARIU, GHEORGHE, US
[72] KALIYAMOORTHY, SATHYA, US
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[72] KULSHRESTHA, ANKUR, US
[72] GIDDES, RICHARD G., US
[72] BONCZYNKI, GERALD, US
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[54] **EARTH BORING TOOLS HAVING FIXED BLADES AND VARYING SIZED ROTATABLE CUTTING STRUCTURES AND RELATED METHODS**
[54] **OUTILS DE FORAGE DU SOL AYANT DES LAMES FIXES ET DES STRUCTURES DE COUPE ROTATIVES DE TAILLES VARIABLES ET PROCEDES ASSOCIES**
[72] SCHOEN, WILLIAM, US
[73] BAKER HUGHES HOLDINGS LLC, US
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[86] 2018-11-09 (PCT/US2018/060017)
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[54] **AUDIO WATERMARKING FOR PEOPLE MONITORING**
[54] **TATOUAGE NUMERIQUE AUDIO POUR SURVEILLANCE DE PERSONNES**
[72] TOPCHY, ALEXANDER, US
[72] SOUNDARARAJAN, PADMANABHAN, US
[72] SRINIVASAN, VENUGOPAL, US
[73] THE NIELSEN COMPANY (US), LLC, US
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[54] **SELF-SUPERVISED TRAINING OF A DEPTH ESTIMATION SYSTEM**
[54] **FORMATION AUTO-SUPERVISE D'UN SYSTEME D'ESTIMATION DE PROFONDEUR**
[72] FIRMAN, MICHAEL, US
[72] GODARD, CLEMENT, US
[72] MAC AODHA, OISIN, US
[72] BROSTOW, GABRIEL J., US
[73] NIANTIC, INC., US
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[54] **MIST ELIMINATOR DRAINING AND SEALING DEVICE**
[54] **DISPOSITIF DE DRAINAGE ET DE FERMETURE ETANCHE POUR DEVESICULEURS**
[72] PERELLA CLARK, NELSON, BR
[73] NC ENGENHARIA, INDUSTRIA E COMERCIO LTDA., BR
[85] 2020-11-16
[86] 2019-05-24 (PCT/BR2019/050190)
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<p style="text-align: right;">[11] 3,102,772 [13] C</p> <p>[51] Int.Cl. E04G 17/00 (2006.01)</p> <p>[25] EN</p> <p>[54] A STRUCTURAL CONNECTOR FOR FASTENING STRUCTURAL COMPONENTS IN INSULATED CONCRETE FORMWORK</p> <p>[54] CONNECTEUR STRUCTURAL POUR ATTACHER DES ELEMENTS STRUCTURAUX DANS DES COFFRAGES A BETON ISOLES</p> <p>[72] MONTY, STEPHEN, AU</p> <p>[73] BURMON HOLDINGS PTY LTD, AU</p> <p>[86] (3102772)</p> <p>[87] (3102772)</p> <p>[22] 2020-12-17</p> <p>[30] US (17/120,457) 2020-12-14</p>	<p style="text-align: right;">[11] 3,103,622 [13] C</p> <p>[51] Int.Cl. C07D 491/048 (2006.01) A61K 31/4545 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01)</p> <p>[25] EN</p> <p>[54] 2,3-DIHYDROFURO[2,3-B]PYRIDINE COMPOUNDS</p> <p>[54] COMPOSES 2,3-DIHYDROFURO[2,3-B] PYRIDINE</p> <p>[72] DREYFUS, NICOLAS JACQUES FRANCOIS, US</p> <p>[72] FALLER, ANDREW, US</p> <p>[73] ELI LILLY AND COMPANY, US</p> <p>[85] 2020-12-11</p> <p>[86] 2019-06-14 (PCT/US2019/037232)</p> <p>[87] (WO2019/245907)</p> <p>[30] US (62/688,434) 2018-06-22</p>	<p style="text-align: right;">[11] 3,104,774 [13] C</p> <p>[51] Int.Cl. A61J 1/20 (2006.01) A61J 1/14 (2006.01) A61M 5/31 (2006.01) A61M 5/315 (2006.01)</p> <p>[25] EN</p> <p>[54] NON-VENTED VIAL ACCESS SYRINGE</p> <p>[54] SERINGUE D'ACCES A UN FLACON NON VENTILE</p> <p>[72] MANSOUR, GEORGE MICHEL, US</p> <p>[72] PANIAN, TYLER DEVIN, US</p> <p>[73] CAREFUSION 303, INC., US</p> <p>[86] (3104774)</p> <p>[87] (3104774)</p> <p>[22] 2014-02-24</p> <p>[62] 2,901,311</p> <p>[30] US (13/797,683) 2013-03-12</p>
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[54] APPAREIL ET PROCEDE DE FILTRAGE DANS UN CODAGE VIDEO
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[72] STEPIN, VICTOR ALEXEEVICH, CN
[72] KURYSHEV, DMITRY, CN
[72] CHEN, JIANLE, US
[72] CHERNYAK, ROMAN IGOREVICH, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-12-30
[86] 2019-07-02 (PCT/RU2019/050101)
[87] (WO2020/009618)
[30] US (62/693,441) 2018-07-02
[30] US (62/725,845) 2018-08-31
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[54] PROPULSION UNIT FOR WELLBORE TRACTOR TOOL
[54] UNITE DE PROPULSION POUR OUTIL DE TRACTEUR DE PUITS DE FORAGE
[72] WESSEL, DANIEL, US
[72] DUCKERING, MICHAEL, US
[73] WIRELINE DRILLING TECHNOLOGIES, LLC, US
[85] 2021-01-12
[86] 2019-06-24 (PCT/US2019/038745)
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[72] PECHACEK, STEPHEN, US
[73] VICTAULIC COMPANY, US
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[72] HOVHANNISYAN, GRIGOR, IL
[72] SACKS, ZACHARY, IL
[72] TURM, ASAFA, IL
[73] ELBIT SYSTEMS ELECTRO-OPTICS - ELOP LTD., IL
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[54] DISPOSITIF NEURONAL SANS FIL IMPLANTABLE
[72] PATTERSON, WILLIAM R., US
[72] ACEROS, JUAN, US
[72] BORTON, DAVID A., US
[72] BULL, CHRISTOPHER, US
[72] LAIWALLA, FARAH, US
[72] NURMIKKO, ARTO V., US
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[73] BROWN UNIVERSITY, US
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[54] DEVICE AND METHOD FOR PRODUCING SPACERS WITH A VARIABLE HEAD
[54] DISPOSITIF ET METHODE POUR PRODUIRE DES ENTRETOISES A TETE VARIABLE
[72] VOGT, SEBASTIAN, DE
[72] KLUGE, THOMAS, DE
[73] HERAEUS MEDICAL GMBH, DE
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[54] METHODS AND TOOLS TO
DEPLOY DOWNHOLE
ELEMENTS

[54] PROCEDES ET OUTILS POUR
DEPLOYER DES ELEMENTS DE
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[72] ROANE, THOMAS OWEN, US

[72] GUAN, ZHENG, US

[72] WELLHOEFER, BENJAMIN JON, US

[73] HALLIBURTON ENERGY
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[54] METHOD AND APPARATUS FOR
CONTENT FILTERING OF DATA
CONTAINERS

[54] METHODE ET APPAREIL POUR
LE FILTRAGE DE CONTENU DE
CONTENEURS DE DONNEES

[72] HEROUX, ROBERT, CA

[72] LAVALLIERE, JOSEPH, CA

[72] NORTON, RICHARD, CA

[72] POIRIER-BEAUCHEMIN, LOUIS-
RENE, CA

[73] VANTRIX CORPORATION, CA

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[54] SYNCHRONIZATION SIGNAL
TRANSMISSION METHOD,
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AND RECEIVING END DEVICE

[54] PROCEDE DE TRANSMISSION DE
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[73] GUANGDONG OPPO MOBILE
TELECOMMUNICATIONS CORP.,
LTD., CN

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CASINO GAMES AND GAMING
MACHINES HAVING GRAPHICS
CONFIGURED TO APPEAR TO
PROCESS WAGERS

[54] JEUX DE CASINO A
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MACHINES DE JEU
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[54] DISPOSITIF ET PROCEDE DE
TEST DE PROPRIETES DE
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PALAN A FRICTION

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[72] WANG, ZHONGQIU, CN

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 [72] CLEAVER, WILLIAM H., US
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 [54] METHODE ET APPAREIL POUR TRANSMETTRE DES DONNEES MEDIA DANS UN SYSTEME DE TRANSPORT MULTIMEDIA
 [72] PARK, KYUNG-MO, KR
 [72] HWANG, SUNG-OH, KR
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 [73] COMPOSITES INTELLECTUAL HOLDINGS, INC., US
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 [54] CARTOUCHE DE REPARATION DE ROBINET D'ANGLE
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 [72] O'ROURKE, JEROME, US
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 - [72] KIEFER, ROBERT, US
 - [72] KULKARNI, AJAY A., US
 - [72] NORDSTROM, ERIK, US
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<p style="text-align: right;">[21] 3,133,456 [13] A1</p> <p>[51] Int.Cl. G06F 3/0481 (2022.01) G06F 3/0484 (2022.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR PROVIDING A TECHNOLOGY RESOURCE MANAGEMENT INTERFACE</p> <p>[54] SYSTEME ET METHODE POUR FOURNIR UNE INTERFACE DE GESTION DES RESSOURCES TECHNOLOGIQUES</p> <p>[72] ROSE, COREY ROBERT, CA</p> <p>[71] THE TORONTO-DOMINION BANK, CA</p> <p>[22] 2021-10-06</p> <p>[41] 2023-04-06</p>	<p style="text-align: right;">[21] 3,133,552 [13] A1</p> <p>[51] Int.Cl. E04F 13/22 (2006.01) E04F 13/24 (2006.01)</p> <p>[25] EN</p> <p>[54] CLADDING INSTALLATION SUPPORT</p> <p>[54] SUPPORT D'INSTALLATION DE BARDAGE</p> <p>[72] WEISGERBER, TYLER, CA</p> <p>[72] KENT, TREVOR, CA</p> <p>[71] 1947742 ALBERTA LTD., CA</p> <p>[22] 2021-10-07</p> <p>[41] 2023-04-07</p>	<p style="text-align: right;">[21] 3,133,683 [13] A1</p> <p>[51] Int.Cl. G05B 11/38 (2006.01) G05B 19/418 (2006.01)</p> <p>[25] EN</p> <p>[54] INTEGRATED QUADRATIC CONTROL OF INDUSTRIAL PROCESSES</p> <p>[54] CONTROLE QUADRATIQUE INTEGRE DE PROCEDES INDUSTRIELS</p> <p>[72] MCCLURE, KEN, CA</p> <p>[71] SPARTAN CONTROLS LTD., CA</p> <p>[22] 2021-10-08</p> <p>[41] 2023-04-08</p>
<p style="text-align: right;">[21] 3,133,487 [13] A1</p> <p>[51] Int.Cl. A61F 6/04 (2006.01) B32B 1/08 (2006.01) B32B 7/12 (2006.01) B32B 27/40 (2006.01)</p> <p>[25] EN</p> <p>[54] A COMPOSITE POLYURETHANE CONDOM AND A PREPARATION METHOD THEREOF</p> <p>[54] CONDOM EN POLYURETHANNE COMPOSITE ET METHODE DE PREPARATION</p> <p>[72] DAI, JIABING, CN</p> <p>[72] LI, WEIHU, CN</p> <p>[72] FENG, LINLIN, CN</p> <p>[72] CHEN, LIANG, CN</p> <p>[71] LANZHOU SCISKY HEALTHCARE TECHNOLOGIES CO., LTD., CN</p> <p>[22] 2021-10-06</p> <p>[41] 2023-04-06</p>	<p style="text-align: right;">[21] 3,133,600 [13] A1</p> <p>[51] Int.Cl. A24C 5/40 (2006.01) A24C 5/39 (2006.01)</p> <p>[25] EN</p> <p>[54] CANNABIS JOINTS FILLING SYSTEM</p> <p>[54] SYSTEME DE REMPLISSAGE DE JOINTS DE CANNABIS</p> <p>[72] ARCHAMBAULT, ROBERT, CA</p> <p>[72] MARTEL, DANIEL, CA</p> <p>[72] BOUCHARD, HAROLD, CA</p> <p>[71] LE GROUPE SOLID PACKAGING ROBOTIK INC., CA</p> <p>[22] 2021-10-08</p> <p>[41] 2023-04-08</p>	<p style="text-align: right;">[21] 3,133,714 [13] A1</p> <p>[51] Int.Cl. C09J 9/02 (2006.01) C09J 5/10 (2006.01) C09J 127/06 (2006.01) H01B 1/20 (2006.01) H01R 4/04 (2006.01)</p> <p>[25] EN</p> <p>[54] ELECTRICALLY CONDUCTIVE PVC SOLVENT CEMENT</p> <p>[54] ADHESIF A SOLVANT EN PVC CONDUCTEUR</p> <p>[72] LI, QING, CA</p> <p>[72] DAIGNEAULT, LOUIS, CA</p> <p>[72] MARTINO, FILIPPO, CA</p> <p>[71] IPEX TECHNOLOGIES INC., CA</p> <p>[22] 2021-10-06</p> <p>[41] 2023-04-06</p>

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<p style="text-align: right;">[21] 3,135,873 [13] A1</p> <p>[51] Int.Cl. A41B 9/12 (2006.01) A41B 9/02 (2006.01) A41B 9/04 (2006.01) A41D 27/12 (2006.01) A41H 43/00 (2006.01) A61F 13/15 (2006.01)</p> <p>[25] EN</p> <p>[54] GARMENTS WITH MOISTURE CAPTURE ASSEMBLIES AND ASSOCIATED METHODS</p> <p>[54] VETEMENTS COMPRENANT DES ASSEMBLAGES DE CAPTURE DE L'HUMIDITE ET METHODES CONNEXES</p> <p>[72] GRECO, CHRISTINA, CA</p> <p>[72] GREENBERG, TALIA, CA</p> <p>[72] HUDSON, STEVEN, CA</p> <p>[72] KRITIKOS, LINDA, CA</p> <p>[72] POWER, JULIE, CA</p> <p>[71] KNIX WEAR INC., CA</p> <p>[22] 2021-10-26</p> <p>[41] 2023-04-07</p> <p>[30] US (63/271,637) 2021-10-25</p>	<p style="text-align: right;">[21] 3,138,075 [13] A1</p> <p>[51] Int.Cl. C12N 5/04 (2006.01) A01H 6/54 (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)</p> <p>[25] EN</p> <p>[54] SOYBEAN VARIETY 5PPVJ55</p> <p>[54] VARIETE DE SOYA 5PPVJ55</p> <p>[72] KRASHENINNIK, NADIA NIKOLAYEVNA, US</p> <p>[71] PIONEER HI-BRED INTERNATIONAL, INC., US</p> <p>[22] 2021-11-08</p> <p>[41] 2023-04-08</p> <p>[30] US (17/450,386) 2021-10-08</p>	<p style="text-align: right;">[21] 3,138,102 [13] A1</p> <p>[51] Int.Cl. C12N 5/04 (2006.01) A01H 6/54 (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)</p> <p>[25] EN</p> <p>[54] SOYBEAN VARIETY 5PFDW55</p> <p>[54] VARIETE DE SOYA 5PFDW56</p> <p>[72] KRASHENINNIK, NADIA NIKOLAYEVNA, US</p> <p>[71] PIONEER HI-BRED INTERNATIONAL, INC., US</p> <p>[22] 2021-11-08</p> <p>[41] 2023-04-08</p> <p>[30] US (17/450,375) 2021-10-08</p>
<p style="text-align: right;">[21] 3,136,768 [13] A1</p> <p>[51] Int.Cl. B60P 7/02 (2006.01) B60J 11/06 (2006.01)</p> <p>[25] EN</p> <p>[54] REMOTELY LOCATED TONNEAU COVER CRIVE SYSTEM</p> <p>[54] SYSTEME D'ENTRAINEMENT DE COUVRE-CAISSE A DISTANCE</p> <p>[72] CARTER, CHAD, US</p> <p>[72] FACCHINELLO, JEROME, US</p> <p>[71] EXTANG CORPORATION, US</p> <p>[22] 2021-10-28</p> <p>[41] 2023-04-07</p> <p>[30] US (17/496,290) 2021-10-07</p>	<p style="text-align: right;">[21] 3,138,092 [13] A1</p> <p>[51] Int.Cl. C12N 5/04 (2006.01) A01H 6/54 (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)</p> <p>[25] EN</p> <p>[54] SOYBEAN VARIETY 5PZFF68</p> <p>[54] VARIETE DE SOYA 5PZFF68</p> <p>[72] KRASHENINNIK, NADIA NIKOLAYEVNA, US</p> <p>[71] PIONEER HI-BRED INTERNATIONAL, INC., US</p> <p>[22] 2021-11-08</p> <p>[41] 2023-04-08</p> <p>[30] US (17/450,387) 2021-10-08</p>	<p style="text-align: right;">[21] 3,138,105 [13] A1</p> <p>[51] Int.Cl. C12N 5/04 (2006.01) A01H 6/54 (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)</p> <p>[25] EN</p> <p>[54] SOYBEAN VARIETY 5PVKB69</p> <p>[54] VARIETE DE SOYA 5PVKB69</p> <p>[72] HEMINGWAY, JOEL REESE, CA</p> <p>[72] KRASHENINNIK, NADIA NIKOLAYEVNA, US</p> <p>[72] VAN HERK, JOHN GERARD, CA</p> <p>[71] PIONEER HI-BRED INTERNATIONAL, INC., US</p> <p>[22] 2021-11-08</p> <p>[41] 2023-04-08</p> <p>[30] US (17/450,388) 2021-10-08</p>
<p style="text-align: right;">[21] 3,136,916 [13] A1</p> <p>[51] Int.Cl. E21B 43/24 (2006.01) F24T 50/00 (2018.01) E21B 36/00 (2006.01)</p> <p>[25] EN</p> <p>[54] GEOTHERMAL HEATING OF HYDROCARBON RESERVOIRS FOR IN SITU RECOVERY</p> <p>[54] CHAUFFAGE GEOTHERMIQUE DE RESERVOIRES D'HYDROCARBURES POUR LA RECUPERATION SUR PLACE</p> <p>[72] MATHISEN, TROND, US</p> <p>[71] GLOBAL ENERGY VENTURE LLC, US</p> <p>[22] 2021-11-02</p> <p>[41] 2023-04-08</p> <p>[30] CA (3.133.630) 2021-10-08</p>	<p style="text-align: right;">[21] 3,138,097 [13] A1</p> <p>[51] Int.Cl. C12N 5/04 (2006.01) A01H 6/54 (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)</p> <p>[25] EN</p> <p>[54] SOYBEAN VARIETY 5PJWM85</p> <p>[54] VARIETE DE SOYA 5PJWM85</p> <p>[72] KOCAK, KYLE JAMES, US</p> <p>[72] RIES, LANDON LINN, US</p> <p>[71] PIONEER HI-BRED INTERNATIONAL, INC., US</p> <p>[22] 2021-11-08</p> <p>[41] 2023-04-08</p> <p>[30] US (17/450,405) 2021-10-08</p>	<p style="text-align: right;">[21] 3,138,109 [13] A1</p> <p>[51] Int.Cl. C12N 5/04 (2006.01) A01H 6/54 (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)</p> <p>[25] EN</p> <p>[54] SOYBEAN VARIETY 5PKLQ07</p> <p>[54] VARIETE DE SOYA 5PKLQ07</p> <p>[72] KRASHENINNIK, NADIA NIKOLAYEVNA, US</p> <p>[71] PIONEER HI-BRED INTERNATIONAL, INC., US</p> <p>[22] 2021-11-08</p> <p>[41] 2023-04-08</p> <p>[30] US (17/450,378) 2021-10-08</p>

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<p>[21] 3,138,146 [13] A1</p> <p>[51] Int.Cl. C12N 5/04 (2006.01) A01H 6/54 (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)</p> <p>[25] EN</p> <p>[54] SOYBEAN VARIETY 5PHBE09</p> <p>[54] VARIETE DE SOYA 5PHBE09</p> <p>[72] HEMINGWAY, JOEL REESE, CA</p> <p>[72] KRASHENINNIK, NADIA NIKOLAYEVNA, US</p> <p>[72] VAN HERK, JOHN GERARD, CA</p> <p>[71] PIONEER HI-BRED INTERNATIONAL, INC., US</p> <p>[22] 2021-11-08</p> <p>[41] 2023-04-08</p> <p>[30] US (17/450,396) 2021-10-08</p>
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<p style="text-align: right;">[21] 3,138,408 [13] A1</p> <p>[51] Int.Cl. F16B 1/00 (2006.01) E06B 3/54 (2006.01) F16B 5/00 (2006.01)</p> <p>[25] EN</p> <p>[54] LOCKABLE ADJUSTABLE STANDOFF</p> <p>[54] SEPARATEUR FILETE AJUSTABLE VERROUILLABLE</p> <p>[72] RAVAN, ALI, CA</p> <p>[72] MERCIECA, HENRY, CA</p> <p>[71] EURO ORNAMENTAL FORGINGS INC., CA</p> <p>[22] 2021-11-10</p> <p>[41] 2023-04-04</p> <p>[30] US (17/493,038) 2021-10-04</p>	<p style="text-align: right;">[21] 3,164,999 [13] A1</p> <p>[51] Int.Cl. B62D 25/02 (2006.01) B62D 33/03 (2006.01)</p> <p>[25] EN</p> <p>[54] MOVABLE PANEL FOR A VEHICLE EXTERIOR</p> <p>[54] PANNEAU MOBILE POUR L'EXTERIEUR D'UN VEHICULE</p> <p>[72] MACK, LUKE, US</p> <p>[72] SALERNO, JONATHAN, US</p> <p>[71] RIVIAN IP HOLDINGS, LLC, US</p> <p>[22] 2022-06-22</p> <p>[41] 2023-04-05</p> <p>[30] US (17/494140) 2021-10-05</p>	<p style="text-align: right;">[21] 3,170,557 [13] A1</p> <p>[51] Int.Cl. C25D 11/00 (2006.01) C25D 11/34 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR PASSIVATING THE SURFACE OF A TINPLATE AND ELECTROLYSIS SYSTEM FOR CARRYING OUT THE METHOD</p> <p>[54] PROCEDE POUR LA PASSIVATION DE LA SURFACE D'UN FER BLANC ET SYSTEME D'ELECTROLYSE POUR L'EXECUTION DU PROCEDE</p> <p>[72] MOLLS, CHRISTOPH, DE</p> <p>[72] BERGHOLZ, BIRGIT, DE</p> <p>[72] MENZEL, GERHARD, DE</p> <p>[71] THYSSENKRUPP RASSELSTEIN GMBH, DE</p> <p>[22] 2022-08-17</p> <p>[41] 2023-04-04</p> <p>[30] DE (10 2021 125 696.8) 2021-10-04</p>
<p style="text-align: right;">[21] 3,140,666 [13] A1</p> <p>[51] Int.Cl. G10D 3/00 (2020.01)</p> <p>[25] EN</p> <p>[54] FRET LEVELING APPARATUS</p> <p>[54] APPAREIL DE NIVELAGE DES FRETTEES</p> <p>[72] HEGGELUND, WILLIAM, CA</p> <p>[71] HEGGELUND, WILLIAM, CA</p> <p>[22] 2021-11-29</p> <p>[41] 2023-04-07</p> <p>[30] US (17/456,600) 2021-11-26</p>	<p style="text-align: right;">[21] 3,169,990 [13] A1</p> <p>[51] Int.Cl. B64F 5/60 (2017.01) B64C 13/50 (2006.01)</p> <p>[25] EN</p> <p>[54] ELECTRIC ACTUATOR HEALTH MONITORING</p> <p>[54] SURVEILLANCE DE L'ETAT D'UN ACTIONNEUR ELECTRIQUE</p> <p>[72] BENAROUS, MAAMAR, GB</p> <p>[72] SMITH, PAUL, GB</p> <p>[71] GOODRICH ACTUATION SYSTEMS LIMITED, GB</p> <p>[22] 2022-08-09</p> <p>[41] 2023-04-05</p> <p>[30] EP (21275146.5) 2021-10-05</p>	<p style="text-align: right;">[21] 3,171,064 [13] A1</p> <p>[51] Int.Cl. E04B 1/94 (2006.01) B32B 7/08 (2019.01) B32B 13/00 (2006.01) E04C 2/24 (2006.01)</p> <p>[25] EN</p> <p>[54] AREA SEPARATION FIREWALL SYSTEM</p> <p>[54] SYSTEME COUPE-FEU D'ISOLATION DE ZONE</p> <p>[72] EK, ROBERT, US</p> <p>[71] EAGLE MATERIALS IP LLC, US</p> <p>[22] 2022-08-23</p> <p>[41] 2023-04-08</p> <p>[30] US (17/649,869) 2022-02-03</p> <p>[30] US (63/262,268) 2021-10-08</p>
<p style="text-align: right;">[21] 3,161,182 [13] A1</p> <p>[51] Int.Cl. G16H 50/70 (2018.01) G16H 10/60 (2018.01) G16H 20/70 (2018.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR TRIGGERING MENTAL HEALTHCARE SERVICES BASED ON PREDICTION OF CRITICAL EVENTS</p> <p>[54] SYSTEME ET METHODE POUR AMORCER DES SERVICES DE SOINS DE SANTE MENTALE EN FONCTION D'UNE PREDICTION D'EVENEMENTS CRITIQUES</p> <p>[72] BUDA, TEODORA SANDRA, ES</p> <p>[72] GARRIGA CALLEJA, ROGER, ES</p> <p>[72] GUERREIRO, JOAO, PT</p> <p>[72] OMANA IGLESIAS, JESUS ALBERTO, ES</p> <p>[72] MATIC, ALEKSANDAR, ES</p> <p>[71] KOA HEALTH B.V., ES</p> <p>[22] 2022-05-31</p> <p>[41] 2023-04-04</p> <p>[30] US (17/493,818) 2021-10-04</p>	<p style="text-align: right;">[21] 3,170,328 [13] A1</p> <p>[51] Int.Cl. C09D 5/14 (2006.01) C09D 7/63 (2018.01) C09D 201/02 (2006.01)</p> <p>[25] EN</p> <p>[54] POLYMER DISPERSION HAVING IMPROVED ADHESION AND WETTABILITY AND METHODS FOR THE SAME</p> <p>[54] DISPERSION POLYMERIQUE PRESENTANT UNE AMELIORATION DE L'ADHESION ET DE LA MOUILLABILITE ET METHODES CONNEXES</p> <p>[72] STEVENS, BART, US</p> <p>[72] BLOHOWIAK, KAY Y., US</p> <p>[72] GARNIER, CHRISTOPHER, US</p> <p>[71] THE BOEING COMPANY, US</p> <p>[22] 2022-08-12</p> <p>[41] 2023-04-07</p> <p>[30] US (17/450,201) 2021-10-07</p>	<p style="text-align: right;">[21] 3,171,528 [13] A1</p> <p>[51] Int.Cl. F17D 5/06 (2006.01) E03B 7/07 (2006.01) G01M 3/28 (2006.01)</p> <p>[25] EN</p> <p>[54] COORDINATED ACOUSTIC LEAK DETECTION SENSOR SAMPLING</p> <p>[54] ECHANTILLONNAGE DE DETECTEUR DE FUITES ACOUSTIQUES COORDONNE</p> <p>[72] KANN, JAMES LEE, US</p> <p>[72] COLE, PHILIP ALAN, US</p> <p>[71] ITRON, INC., US</p> <p>[22] 2022-08-26</p> <p>[41] 2023-04-08</p> <p>[30] US (17/497493) 2021-10-08</p>

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[21] 3,172,448
[13] A1
[51] Int.Cl. A01D 90/10 (2006.01)
[25] EN
[54] SYSTEMS AND METHODS FOR CONTROLLING AGRICULTURAL MATERIAL UNLOADING RATE
[54] SYSTEMES ET METHODES DE COMMANDE DU DEBIT DE DECHARGEMENT DE MATIERES AGRICOLES
[72] KAHLIG, SEAN, US
[72] GRIESHOP, DUSTAN, US
[72] WOOD, MITCH, US
[71] J. & M. MANUFACTURING CO., INC., US
[22] 2022-09-15
[41] 2023-04-07
[30] US (17/495,981) 2021-10-07

[21] 3,172,858
[13] A1
[51] Int.Cl. G06F 16/00 (2019.01)
[25] EN
[54] SYSTEMS AND METHODS FOR AN INTELLIGENT SCRIPTING ENGINE
[54] SYSTEMES ET METHODES POUR UN MOTEUR DE SCRIPTAGE INTELLIGENT
[72] CURTIN, THOMAS V., US
[72] BEALE, KEVIN MARK, US
[72] HANSEN, PAUL L., US
[72] WALDNER, WAYNE PAUL, US
[72] CROPP, DANIEL R., US
[71] AMERICAN TEL-A-SYSTEMS, INC., US
[22] 2022-09-12
[41] 2023-04-06
[30] US (17/495,393) 2021-10-06

[21] 3,174,887
[13] A1
[51] Int.Cl. G06Q 20/24 (2012.01)
[25] EN
[54] SYSTEM, METHOD AND APPARATUS FOR PROVIDING MIXED CART FINANCING OPTIONS
[54] SYSTEME, METHODE ET APPAREIL POUR FOURNIR DES OPTIONS DE FINANCEMENT A PANIER MIXTE
[72] KAUFMAN, DANIEL E., US
[72] KAPOOR, VISHAL, US
[72] KARTHIKEYAN, AJAI, US
[72] DITTO, KELSEY, US
[72] KENDRICK, JESSE, US
[72] PHAN, HUYEN, US
[72] CUI, XIAOJING, US
[71] AFFIRM, INC., US
[22] 2022-09-20
[41] 2023-04-06
[30] US (63/252,826) 2021-10-06

[21] 3,174,923
[13] A1
[25] EN
[54] ACTIVE RECTIFIER HARMONICS COMPENSATOR
[54] COMPENSATEUR HARMONIQUE POUR REDRESSEUR ACTIF
[72] POPEK, GRZEGORZ, GB
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2022-09-14
[41] 2023-04-04
[30] EP (21275141.6) 2021-10-04

[21] 3,176,149
[13] A1
[51] Int.Cl. F17C 13/00 (2006.01) B67D 7/04 (2010.01) B67D 7/54 (2010.01) F17D 1/07 (2006.01)
[25] EN
[54] SYSTEM AND METHOD FOR GASEOUS HYDROGEN RECOVERY IN A HYDROGEN FUELING STATION
[54] SYSTEME ET METHODE POUR LA RECUPERATION D'HYDROGENE GAZEUX DANS UN POSTE DE REMPLISSAGE A L'HYDROGENE
[72] CHALK, DAVID JONATHAN, US
[72] COHEN, JOSEPH P., US
[72] FARESE, DAVID JOHN, US
[72] TORDA, BENJAMIN H.S., US
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[22] 2022-09-27
[41] 2023-04-04
[30] US (17/492,816) 2021-10-04

[21] 3,176,150
[13] A1
[51] Int.Cl. F16L 1/024 (2006.01) B66C 13/52 (2006.01) B66C 23/36 (2006.01)
[25] EN
[54] PIPELAYER MACHINE WITH FORWARD TOWING WINCH CONFIGURATION
[54] MACHINE DE POSE DE tuyau AVEC CONFIGURATION DE TREUIL DE REMORQUAGE AVANT
[72] CALDWELL, CURTIS J., US
[72] VANCE, DONALD L., US
[72] BARBIER, BENJAMIN, US
[71] CATERPILLAR INC., US
[22] 2022-09-27
[41] 2023-04-04
[30] US (17/449899) 2021-10-04

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[21] 3,176,156
[13] A1
[51] Int.Cl. F16L 1/024 (2006.01) B66C 13/52 (2006.01) B66C 23/36 (2006.01)
[25] EN
[54] PIPELAYER MACHINE WITH FORWARD TOWING WINCH CONFIGURATION
[54] MACHINE DE POSE DE TUYAU AVEC CONFIGURATION DE TREUIL DE REMORQUAGE AVANT
[72] CALDWELL, CURTIS J., US
[72] VANCE, DONALD L., US
[72] BARBIER, BENJAMIN, US
[71] CATERPILLAR INC., US
[22] 2022-09-27
[41] 2023-04-04
[30] US (17/449899) 2021-10-04

[21] 3,176,205
[13] A1
[25] EN
[54] LOW-PROFILE CABLE ARMOR
[54] ARMURE DE CABLE A PROFIL BAS
[72] LAFRENIERE, PETER, US
[72] LUNDGREN, STEPHEN, US
[72] DAMOURA, PAULO, US
[72] PEGG, RONALD, US
[72] ARAUJO, ANTONIO, US
[72] CAMPBELL, DAVID, US
[71] AFC CABLE SYSTEMS, INC., US
[22] 2022-09-28
[41] 2023-04-04
[30] US (17/493,173) 2021-10-04

[21] 3,176,702
[13] A1
[25] EN
[54] DEMONSTRATION MODEL FOR OSTEOTOMY SURGICAL PROCEDURES
[54] MODELE DE DEMONSTRATION POUR DES PROCEDURES CHIRURGICALES D'OSTEOTOMIE
[72] FINK, OWEN THOMPSON, US
[71] APODEIXIS, LLC, US
[22] 2022-09-29
[41] 2023-04-07
[30] US (63/253,495) 2021-10-07

[21] 3,176,164
[13] A1
[51] Int.Cl. F16L 1/024 (2006.01) B66C 13/52 (2006.01) B66C 23/36 (2006.01)
[25] EN
[54] PIPELAYER MACHINE WITH REAR ENGINE CONFIGURATION
[54] MACHINE DE POSE DE TUYAU AVEC CONFIGURATION DE MOTEUR ARRIERE
[72] CALDWELL, CURTIS J., US
[72] VANCE, DONALD L., US
[72] BARBIER, BENJAMIN, US
[71] CATERPILLAR INC., US
[22] 2022-09-27
[41] 2023-04-04
[30] US (17/449896) 2021-10-04

[21] 3,176,280
[13] A1
[51] Int.Cl. B25B 5/12 (2006.01) B25B 5/00 (2006.01) B25B 5/16 (2006.01)
[25] EN
[54] PNEUMATIC LATCH CLAMP
[54] PINCE DE SERRAGE PNEUMATIQUE
[72] RENTZ, MATTHEW, US
[71] DELAWARE CAPITAL FORMATION, INC., US
[22] 2022-09-22
[41] 2023-04-03
[30] US (17/492,620) 2021-10-03

[21] 3,176,842
[13] A1
[51] Int.Cl. F16H 57/02 (2012.01) F16H 57/021 (2012.01) A01C 23/00 (2006.01) A01C 23/04 (2006.01) F04D 7/04 (2006.01) F04D 29/22 (2006.01)
[25] EN
[54] LIQUID MANURE PUMP WITH ANGLED GEARBOX
[54] POMPE A PURIN AVEC BOITE D'ENGRENAGES INCLINEE
[72] NUHN, IAN, CA
[71] NUHN INDUSTRIES LTD., CA
[22] 2022-09-29
[41] 2023-04-08
[30] US (63/253,706) 2021-10-08

[21] 3,176,194
[13] A1
[51] Int.Cl. B05C 5/00 (2006.01)
[25] EN
[54] ADHESIVE DISPENSER AND DISPENSING NOZZLE
[54] DISTRIBUTEUR D'ADHESIF ET BUSE DE DISTRIBUTION
[72] STOLTZ, HENDRIK, US
[72] BENNETT, BRUCE, US
[71] T.A. SYSTEMS, INC., US
[22] 2022-09-27
[41] 2023-04-06
[30] US (63/252,720) 2021-10-06
[30] US (17/952,396) 2022-09-26

[21] 3,176,700
[13] A1
[25] EN
[54] DEMONSTRATION MODEL FOR OSTEOTOMY SURGICAL PROCEDURES
[54] MODELE DE DEMONSTRATION POUR DES PROCEDURES CHIRURGICALES D'OSTEOTOMIE
[72] FINK, OWEN THOMPSON, US
[71] APODEIXIS, LLC, US
[22] 2022-09-29
[41] 2023-04-07
[30] US (63/253,485) 2021-10-07

[21] 3,176,887
[13] A1
[25] EN
[54] SYSTEM AND METHOD FOR AUTOMATIC TUNING OF AN OPTICAL TRANSCEIVER IN AN OPTICAL NETWORK
[54] SYSTEME ET METHODE DE SYNTONISATION AUTOMATIQUE D'UN TRANSCPTEUR OPTIQUE DANS UN RESEAU OPTIQUE
[72] MARAM, REZA, CA
[72] CORBEIL, JEAN-SIMON, CA
[72] RICCIARDI, PASQUALE, CA
[72] BAYAT, ALI, CA
[71] FONEX DATA SYSTEMS INC., CA
[22] 2022-09-29
[41] 2023-04-07
[30] US (63/262,195) 2021-10-07

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[21] 3,176,940
[13] A1
[51] Int.Cl. A61G 7/05 (2006.01) A61G 1/044 (2006.01)
[25] EN
[54] COVER SYSTEM FOR BLOCKING AN APERTURE OF A PATIENT SUPPORT APPARATUS
[54] SYSTEME DE COUVERCLE POUR BOUCHER UNE OUVERTURE D'UN APPAREIL DE SUPPORT DE PATIENT
[72] GRAVES, MICHAEL WILLIAM, US
[72] CUTLER, MATTHEW A., US
[72] PAUL, ANISH, US
[72] SWEENEY, CHRISTOPHER RYAN, US
[71] STRYKER CORPORATION, US
[22] 2022-09-26
[41] 2023-04-07
[30] US (17/945,264) 2022-09-15
[30] US (63/253,283) 2021-10-07

[21] 3,177,047
[13] A1
[51] Int.Cl. E21B 43/24 (2006.01) F24T 10/20 (2018.01)
[25] EN
[54] GEOTHERMAL HEATING OF HYDROCARBON RESERVOIRS FOR IN SITU RECOVERY
[54] CHAUFFAGE GEOTHERMIQUE DE RESERVOIRS D'HYDROCARBURES POUR LA RECUPERATION SUR PLACE
[72] MATHISEN, TROND, US
[71] GLOBAL ENERGY VENTURE LLC, US
[22] 2022-09-29
[41] 2023-04-08
[30] CA (3133630) 2021-10-08
[30] CA (3136916) 2021-11-02

[21] 3,177,065
[13] A1
[25] EN
[54] SYSTEMS AND METHODS FOR CUSTOMIZING MEDIA PLAYER PLAYBACK SPEED
[54] SYSTEMES ET METHODES POUR PERSONNALISER UNE VITESSE DE LECTURE D'UN LECTEUR DE CONTENU MEDIA
[72] CHUNDI, CHARISHMA, IN
[72] HARB, REDA, US
[72] PANDEY, RAJENDRA, IN
[71] ROVI GUIDES, INC., US
[22] 2022-09-26
[41] 2023-04-05
[30] US (17/493,924) 2021-10-05

[21] 3,177,102
[13] A1
[51] Int.Cl. C22C 38/00 (2006.01) C21D 8/02 (2006.01)
[25] EN
[54] COLD ROLLED FLAT STEEL PRODUCT FOR PACKAGING AND METHOD FOR PRODUCING A STEEL FLAT PRODUCT
[54] PRODUIT D'ACIER LAMINE A FROID POUR L'EMBALLAGE ET METHODE DE FABRICATION
[72] KAUP, BURKHARD, DE
[72] KIRCHESCH, PETER, DE
[72] KOHL, MANUEL, DE
[72] NOUSKALIS, DIMITRIOS, DE
[72] GOSEN, ALEXANDER, DE
[72] EHMK, BJORN, DE
[71] THYSSENKRUPP RASSELSTEIN GMBH, DE
[22] 2022-09-29
[41] 2023-04-04
[30] DE (10 2021 125 692.5) 2021-10-04

[21] 3,177,349
[13] A1
[51] Int.Cl. F02C 7/266 (2006.01) F02P 17/12 (2006.01) F02P 19/02 (2006.01)
[25] EN
[54] METHOD AND SYSTEM FOR GLOW PLUG OPERATION
[54] METHODE ET SYSTEME D'EXPLOITATION D'UNE BOUGIE DE PRECHAUFFAGE
[72] FREE, RICHARD, CA
[72] SHENOUDA, ANTWAN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-09-29
[41] 2023-04-06
[30] US (17/494,993) 2021-10-06

[21] 3,177,701
[13] A1
[51] Int.Cl. B64C 13/34 (2006.01) F16H 1/24 (2006.01) F16H 35/18 (2006.01)
[25] EN
[54] HINGE-LINE ACTUATOR FOR ROTATING AN AIRCRAFT CONTROL SURFACE
[54] ACTIONNEUR LOGE DANS L'ARTICULATION POUR LA ROTATION D'UNE GOUVERNE D'AERONEF
[72] BALSIGER, DERICK S., US
[72] BLOXHAM, KEITH, US
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2022-09-29
[41] 2023-04-05
[30] US (17/494,217) 2021-10-05

[21] 3,177,893
[13] A1
[51] Int.Cl. B60C 17/04 (2006.01) B60C 19/12 (2006.01)
[25] EN
[54] INSERT FOR VEHICLE WHEEL AND VEHICLE WHEEL COMPRISING THE INSERT
[54] PIECE RAPPORTEE POUR ROUE DE VEHICULE ET ROUE DE VEHICULE COMPRENANT LA PIECE RAPPORTEE
[72] GNALI, OSCAR ETTORE, IT
[71] GNALI, OSCAR ETTORE, IT
[22] 2022-09-30
[41] 2023-04-04
[30] IT (102021000025376) 2021-10-04

[21] 3,177,974
[13] A1
[51] Int.Cl. E05C 17/02 (2006.01) E05F 5/00 (2017.01)
[25] EN
[54] DOOR STOPPER AND HOLDER DEVICE
[54] BUTOIR DE PORTE ET DISPOSITIF DE SUPPORT
[72] MAJOR, AMELIE, CA
[71] MAJOR, AMELIE, CA
[22] 2022-09-30
[41] 2023-04-04
[30] US (63/251,836) 2021-10-04

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[21] 3,178,054
[13] A1
[51] Int.Cl. F21V 5/04 (2006.01) F21V 15/01 (2006.01) F21V 23/04 (2006.01)
[25] EN
[54] LIGHTING SYSTEM WITH IMPROVED SENSOR CONTROL
[54] SYSTEME D'ECLAIRAGE AVEC CONTROLE DE CAPTEUR AMELIORE
[72] SANDELL, DONALD ROBERT, US
[72] MONROE, TIMOTHY EDWARD, US
[71] ABL IP HOLDING LLC, US
[22] 2022-09-30
[41] 2023-04-04
[30] US (17/492,922) 2021-10-04

[21] 3,178,136
[13] A1
[51] Int.Cl. C09D 151/08 (2006.01) B05D 1/28 (2006.01)
[25] EN
[54] ELASTIC EMBOSsing LACQUER HAVING HIGH OPTICAL DISPERSION
[54] LAQUE DE GAUFORAGE ELASTIQUE A HAUTE DISPERSION OPTIQUE
[72] NEES, HERRN DIETER, AT
[72] PALFINGER, URSULA, AT
[72] RUTTLOFF, STEPHAN, AT
[72] GOTZ, JOHANNES, AT
[71] JOANNEUM RESEARCH FORSCHUNGSGESELLSCHAFT MBH, AT
[22] 2022-09-30
[41] 2023-04-04
[30] EP (21200658.9) 2021-10-04

[21] 3,178,139
[13] A1
[51] Int.Cl. E01B 29/32 (2006.01)
[25] EN
[54] THE PLATE COLLECTION AND DEPOSIT MACHINE
[54] MACHINE DE COLLECTE ET DE DEPOT DE SELLES DE RAIL
[72] COOTS, COTY T., US
[71] B & B METALS, INC., US
[22] 2022-09-30
[41] 2023-04-07
[30] US (63/253379) 2021-10-07

[21] 3,178,246
[13] A1
[25] EN
[54] SYSTEMS AND METHODS FOR CONDUCTING REMOTE USER AUTHENTICATION
[54] SYSTEMES ET PROCEDES DE REALISATION D'UNE AUTHENTIFICATION D'UTILISATEUR A DISTANCE
[72] FLETCHER, ABEL, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2022-10-03
[41] 2023-04-05
[30] US (17/494,737) 2021-10-05

[21] 3,178,249
[13] A1
[25] EN
[54] SYSTEMS AND METHODS FOR CONDUCTING REMOTE ATTESTATION
[54] SYSTEMES ET PROCEDES DE REALISATION D'UNE ATTESTATION A DISTANCE
[72] FLETCHER, ABEL, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2022-10-03
[41] 2023-04-05
[30] US (17/494,716) 2021-10-05

[21] 3,178,251
[13] A1
[51] Int.Cl. A01H 6/82 (2018.01) A01H 1/00 (2006.01) A01H 4/00 (2006.01) A01H 5/00 (2018.01) A01H 5/08 (2018.01) A01H 5/10 (2018.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)
[25] EN

[21] 3,178,251
[13] A1
[51] Int.Cl. A01H 6/82 (2018.01) A01H 1/00 (2006.01) A01H 4/00 (2006.01) A01H 5/00 (2018.01) A01H 5/08 (2018.01) A01H 5/10 (2018.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)
[25] EN
[54] TOMATO HYBRID SVTM9030 AND PARENTS THEREOF
[54] TOMATE HYBRIDE SVTM9030 ET PARENTS
[72] KRAMER, CHAD, US
[71] SEMINIS VEGETABLE SEEDS, INC., US
[22] 2022-10-03
[41] 2023-04-05
[30] US (17/494,623) 2021-10-05

[21] 3,178,275
[13] A1
[51] Int.Cl. A01H 6/82 (2018.01) A01H 1/00 (2006.01) A01H 4/00 (2006.01) A01H 5/00 (2018.01) A01H 5/08 (2018.01) A01H 5/10 (2018.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)
[25] EN
[54] TOMATO HYBRID SVTM9028 AND PARENTS THEREOF
[54] TOMATE HYBRIDE SVTM9028 ET PARENTS
[72] KRAMER, CHAD, US
[71] SEMINIS VEGETABLE SEEDS, INC., US
[22] 2022-10-03
[41] 2023-04-05
[30] US (17/494613) 2021-10-05

[21] 3,178,277
[13] A1
[51] Int.Cl. A01H 6/82 (2018.01) A01H 1/00 (2006.01) A01H 4/00 (2006.01) A01H 5/00 (2018.01) A01H 5/08 (2018.01) A01H 5/10 (2018.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)
[25] EN
[54] TOMATO HYBRID SVTM9027 AND PARENTS THEREOF
[54] TOMATE HYBRIDE SVTM9027 ET PARENTS
[72] KRAMER, CHAD, US
[71] SEMINIS VEGETABLE SEEDS, INC., US
[22] 2022-10-03
[41] 2023-04-05
[30] US (17/494602) 2021-10-05

[21] 3,178,313
[13] A1
[25] EN
[54] SYSTEMS AND METHODS FOR STORING DYNAMIC DATA
[54] SYSTEMES ET METHODES POUR STOCKER DES DONNEES DYNAMIQUES
[72] FLETCHER, ABEL, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2022-10-03
[41] 2023-04-05
[30] US (17/494,617) 2021-10-05

Canadian Applications Open to Public Inspection
April 2, 2023 to April 8, 2023

[21] **3,178,314**

[13] A1

[51] Int.Cl. G01T 1/167 (2006.01)

[25] EN

[54] METHOD FOR SIMULTANEOUS ANALYSIS OF RADIOCARBON AND TRITIUM

[54] METHODE POUR L'ANALYSE SIMULTANEE DU RADIOCARBONE ET DU TRITIUM

[72] AHN, HONG JOO, KR

[72] PARK, HWAN SEO, KR

[72] LEE, JONG KWANG, KR

[72] LEE, KI RAK, KR

[72] SON, KWANG JAE, KR

[71] KOREA ATOMIC ENERGY RESEARCH INSTITUTE, KR

[22] 2022-10-03

[41] 2023-04-05

[30] KR (10-2021-0131637) 2021-10-05

[21] **3,178,323**

[13] A1

[51] Int.Cl. B67D 7/80 (2010.01) F28F 9/00 (2006.01)

[25] EN

[54] HEAT EXCHANGER WITH CURVED CORE AREA AND INTENDED FOR USE WITH AN AGRICULTURAL PUMPER TRUCK

[54] ECHANGEUR DE CHALEUR COMPRENANT UNE ZONE DE NOYAU INCURVEE ET ETANT DESTINE A L'UTILISATION AVEC UN CAMION-POMPE AGRICOLE

[72] TIETZ, RYAN S., US

[72] DANDAMUDI, VINAY KUMAR, US

[71] AIR POWER SYSTEMS CO., LLC, US

[22] 2022-10-04

[41] 2023-04-04

[30] US (63/251,975) 2021-10-04

[21] **3,178,331**

[13] A1

[51] Int.Cl. B24C 1/10 (2006.01) F16F 1/18 (2006.01)

[25] EN

[54] MANUFACTURING METHOD OF METAL MEMBER WITH RESIDUAL STRESS

[54] METHODE DE FABRICATION D'UN ELEMENT METALLIQUE A L'AIDE DE LA TENSION RESIDUELLE

[72] SAITO, YUTA, JP

[71] SINTOKOGIO, LTD., JP

[22] 2022-10-03

[41] 2023-04-05

[30] JP (2021-163888) 2021-10-05

[21] **3,178,335**

[13] A1

[51] Int.Cl. F24F 11/42 (2018.01) F24F 11/64 (2018.01) F24D 15/04 (2006.01) F24D 19/10 (2006.01) F25B 47/02 (2006.01) F25B 49/02 (2006.01)

[25] EN

[54] PROPER DEICING END DETECTION AND DEFROST CYCLE OPTIMIZATION

[54] DETECTION DE LA FIN ADEQUATE D'UNE ACTIVITE DE DEGIVRAGE ET OPTIMISATION DU CYCLE DE DEGIVRAGE

[72] JOVET, BASTIEN, FR

[71] LGL FRANCE S.A.S., FR

[22] 2022-10-03

[41] 2023-04-06

[30] US (17/494,955) 2021-10-06

[21] **3,178,343**

[13] A1

[51] Int.Cl. B09C 1/02 (2006.01) B09C 1/06 (2006.01)

[25] EN

[54] METHOD AND SYSTEM FOR REMOVING CONTAMINANTS FROM SOIL

[54] METHODE ET SYSTEME POUR ELIMINER LES POLLUANTS DANS LE SOL

[72] JONES CRAIG JAY, US

[72] BECKER, STEVEN RUSSELL, US

[72] PUCKITT, ROBERT EUGENE, US

[72] HATTENBURG, ALAN RANDY, US

[71] BRICE ENVIRONMENTAL SERVICES CORPORATION, US

[22] 2022-10-04

[41] 2023-04-04

[30] US (63/251,900) 2021-10-04

[21] **3,178,364**

[13] A1

[25] EN

[54] SYSTEM AND METHOD FOR MACHINE LEARNING ARCHITECTURE FOR MULTI-TASK LEARNING WITH DYNAMIC NEURAL NETWORKS

[54] SYSTEME ET METHODE D'ARCHITECTURE D'APPRENTISSAGE AUTOMATIQUE POUR UN APPRENTISSAGE MULTITACHE AVEC DES RESEAUX NEURONAUX DYNAMIQUES

[72] JAVADI, GOLARA, CA

[72] TUNG, FREDERICK, CA

[72] OLIVEIRA, GABRIEL LEIVAS, CA

[71] ROYAL BANK OF CANADA, CA

[22] 2022-10-04

[41] 2023-04-04

[30] US (63/252,003) 2021-10-04

[21] **3,178,375**

[13] A1

[51] Int.Cl. B65D 21/036 (2006.01) B44D 3/12 (2006.01) B65D 1/12 (2006.01) B65D 43/02 (2006.01)

[25] EN

[54] CONTAINER AND SEAL ASSEMBLY

[54] CONTENANT ET ENSEMBLE D'ETANCHEITE

[72] LUBURIC, FRANO, US

[72] HOMAN, JOHN, US

[71] BWAY CORPORATION, US

[22] 2022-10-04

[41] 2023-04-04

[30] US (17/449,923) 2021-10-04

[21] **3,178,391**

[13] A1

[51] Int.Cl. C06B 41/00 (2006.01)

[25] EN

[54] METAL-ORGANIC FRAMEWORK MATERIAL-BASED FUELS AND METHODS OF USE THEREOF

[54] CARBURANTS A BASE DE MATERIAU DE CHARPENTE METALLIQUE-ORGANIQUE ET METHODES D'UTILISATION

[72] MOTILLO, CRISTINA, CA

[72] TITI, HATEM M., CA

[71] ACSYNAM INC., CA

[22] 2022-10-04

[41] 2023-04-06

[30] US (63/252,640) 2021-10-06

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<p>[21] 3,178,401 [13] A1</p> <p>[25] EN</p> <p>[54] COMPUTER-IMPLEMENTED METHODS AND SYSTEMS FOR PROPOSAL AND DONATION OF AN OBJECT</p> <p>[54] METHODES ET SYSTEMES EXECUTES PAR ORDINATEUR POUR LA PROPOSITION ET LE DON D'UN OBJET</p> <p>[72] WAINSTEIN, ROBERT, US</p> <p>[72] MOOS, DAVID, US</p> <p>[72] STEINERT, DONALD, US</p> <p>[72] ROSS, SARAH HARPER, US</p> <p>[72] DOUMAR, MATTHEW, US</p> <p>[71] EXCHANGE TECHNOLOGIES INTERNATIONAL, INC., US</p> <p>[22] 2022-10-04</p> <p>[41] 2023-04-05</p> <p>[30] US (63/252,492) 2021-10-05</p>
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<p>[21] 3,178,407 [13] A1</p> <p>[25] EN</p> <p>[54] GENERATING ADAPTIVE TEXTUAL EXPLANATIONS OF OUTPUT PREDICTED BY TRAINED ARTIFICIAL-INTELLIGENCE PROCESSES</p> <p>[54] GENERATION D'EXPLICATIONS TEXTUELLES ADAPTATIVES DE SORTIES PREDITES PAR DES PROCEDES D'INTELLIGENCE ARTIFICIELLE ENTRAINES</p> <p>[72] LUO, YAQIAO, CA</p> <p>[72] CRESSWELL, JESSE COLE, CA</p> <p>[72] LEUNG, KIN KWAN, CA</p> <p>[72] WANG, KAI, CA</p> <p>[72] GHOMI, ATIYEH ASHARI, CA</p> <p>[72] MESSICK, CAITLIN, CA</p> <p>[72] SHU, LU, CA</p> <p>[72] RHO, BARUM, CA</p> <p>[72] VOLKOV, MAKSIMS, CA</p> <p>[72] DICKIE, PAIGE ELYSE, CA</p> <p>[71] THE TORONTO-DOMINION BANK, CA</p> <p>[22] 2022-10-04</p> <p>[41] 2023-04-05</p> <p>[30] US (17/533,358) 2021-11-23</p> <p>[30] US (63/252,492) 2021-10-05</p>
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<p>[21] 3,178,416 [13] A1</p> <p>[51] Int.Cl. E21B 43/11 (2006.01) E21B 29/08 (2006.01)</p> <p>[25] EN</p> <p>[54] RADIAL DRILLING UNIT</p> <p>[54] UNITE DE PERCAGE RADIAL</p> <p>[72] SOYLAND, ERLEND, NO</p> <p>[71] ALTUS INTERVENTION (TECHNOLOGY) AS, NO</p> <p>[22] 2022-10-04</p> <p>[41] 2023-04-07</p> <p>[30] NO (20211208) 2021-10-07</p>
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<p>[21] 3,178,419 [13] A1</p> <p>[51] Int.Cl. F23D 14/62 (2006.01) F23D 14/06 (2006.01) F23D 14/58 (2006.01)</p> <p>[25] EN</p> <p>[54] HYDROGEN MIXING SYSTEM</p> <p>[54] SYSTEME DE MELENGE D'HYDROGENE</p> <p>[72] CLEARY, JACOB, US</p> <p>[72] BOWER, MATTHEW, GB</p> <p>[72] KILLER, DAVE, GB</p> <p>[72] BAILEY, TONY, GB</p> <p>[71] BECKETT THERMAL SOLUTIONS, US</p> <p>[22] 2022-10-04</p> <p>[41] 2023-04-06</p> <p>[30] US (63/252,858) 2021-10-06</p>
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<p>[21] 3,178,434 [13] A1</p> <p>[51] Int.Cl. B64C 1/14 (2006.01) B64D 47/02 (2006.01) F21V 8/00 (2006.01)</p> <p>[25] EN</p> <p>[54] LIGHT FOR A WINDOW OF AN AIRCRAFT</p> <p>[54] LUMIERE POUR UNE FENETRE D'AERONEF</p> <p>[72] BERGELER, SWEN, DE</p> <p>[71] DIEHL AEROSPACE GMBH, DE</p> <p>[22] 2022-10-05</p> <p>[41] 2023-04-06</p> <p>[30] DE (102021125960.6) 2021-10-06</p>
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<p>[21] 3,178,435 [13] A1</p> <p>[25] EN</p> <p>[54] REAR AXLE MOVEMENT DEVICE FOR TRUCK WITH LOWERABLE BED</p> <p>[54] DISPOSITIF DE MOUVEMENT D'ESSIEU ARRIERE POUR CAMION AVEC CAISSE ABAISSABLE</p> <p>[72] YANG, AN-TAO ANTHONY, CA</p> <p>[71] YANG, AN-TAO ANTHONY, CA</p> <p>[22] 2022-10-05</p> <p>[41] 2023-04-06</p> <p>[30] TW (110137442) 2021-10-06</p>
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<p>[21] 3,178,439 [13] A1</p> <p>[25] EN</p> <p>[54] METHOD AND PARKING GUIDANCE SYSTEM FOR ASSIGNING A PARKING SPACE FOR A VEHICLE AND FOR NAVIGATING THE VEHICLE TO THE PARKING SPACE</p> <p>[54] METHODE ET SYSTEME DE GUIDAGE DE STATIONNEMENT POUR ATTRIBUER UN ESPACE DE STATIONNEMENT A UN VEHICULE ET POUR LA NAVIGATION DU VEHICULE VERS L'ESPACE DE STATIONNEMENT</p> <p>[72] HEISE, SEBASTIAN, DE</p> <p>[71] GRAPHMASTERS SA, CH</p> <p>[22] 2022-10-05</p> <p>[41] 2023-04-05</p> <p>[30] DE (10 2021 125 861.8) 2021-10-05</p>

<p>[21] 3,178,462 [13] A1</p> <p>[51] Int.Cl. E05C 9/20 (2006.01) B23P 15/00 (2006.01) E05B 15/00 (2006.01) E05C 9/00 (2006.01) E05C 9/18 (2006.01) E05C 9/22 (2006.01)</p> <p>[25] EN</p> <p>[54] FLEX DRIVE TIE-BAR WINDOW LOCK SYSTEM</p> <p>[54] SYSTEME DE VERROUILLAGE DE FENETRE A COLONNE FLEXIBLE D'ENTRAINEMENT</p> <p>[72] DALLMANN, BRIAN, US</p> <p>[71] TRUTH HARDWARE CORPORATION, US</p> <p>[22] 2022-10-04</p> <p>[41] 2023-04-04</p> <p>[30] US (63/251,725) 2021-10-04</p>
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<p style="text-align: right;">[21] 3,178,468 [13] A1</p> <p>[25] EN [54] METHOD FOR AUTOMATIC AGGREGATING AND ENRICHING DATA FROM HONEYPODS [54] METHODE POUR L'AGREGATION ET L'ENRICHISSEMENT DE DONNEES DE POTS DE MIEL [72] KLEYMENOV, ALEXEY, CH [72] DI PINTO, ALESSANDRO, IT [72] CARULLO, MORENO, IT [72] CARCANO, ANDREA, US [71] NOZOMI NETWORKS SAGL, CH [22] 2022-10-04 [41] 2023-04-05 [30] US (17/493903) 2021-10-05</p>	<p style="text-align: right;">[21] 3,178,541 [13] A1</p> <p>[51] Int.Cl. C12Q 1/6809 (2018.01) C12Q 1/6888 (2018.01) G16B 5/00 (2019.01) G16B 20/00 (2019.01) C12Q 1/06 (2006.01) C12Q 1/68 (2018.01) [25] EN [54] METHOD OF QUANTIFYING PRODUCT IMPACT ON HUMAN MICROBIOME [54] METHODE DE QUANTIFICATION DE L'INCIDENCE D'UN PRODUIT SUR LE MICROBIOME HUMAIN [72] KYUNGROK, MIN, US [72] FOURRE, TARA, US [71] JOHNSON & JOHNSON CONSUMER INC., US [22] 2022-10-06 [41] 2023-04-06 [30] US (63/340,634) 2022-05-11 [30] US (63/252,818) 2021-10-06 [30] US (17/948,837) 2022-09-20</p>	<p style="text-align: right;">[21] 3,178,608 [13] A1</p> <p>[51] Int.Cl. A63G 13/00 (2006.01) [25] EN [54] PLAYGROUND PLATFORM ROCKER [54] PLATEFORME BERCANTE DE TERRAIN DE JEU [72] MAYER, BART, US [72] GENTNER, RYAN, US [71] BCI BURKE COMPANY, LLC, US [22] 2022-09-29 [41] 2023-04-07 [30] US (63/253,303) 2021-10-07</p>
<p style="text-align: right;">[21] 3,178,506 [13] A1</p> <p>[51] Int.Cl. F25D 3/08 (2006.01) F25D 11/00 (2006.01) A45C 11/20 (2006.01) A45F 3/46 (2006.01) [25] EN [54] PORTABLE COOLER [54] GLACIERE PORTATIVE [72] BANAL, SEAN MICHAEL, US [72] MEIER, ANDREW PATRICK, US [71] SUNJOY INDUSTRIES GROUP LTD., US [22] 2022-10-06 [41] 2023-04-08 [30] US (17/497,812) 2021-10-08</p>	<p style="text-align: right;">[21] 3,178,573 [13] A1</p> <p>[51] Int.Cl. A61F 13/496 (2006.01) A41B 9/00 (2006.01) A41B 9/12 (2006.01) A41B 17/00 (2006.01) A41H 43/00 (2006.01) A61F 13/49 (2006.01) A61F 13/491 (2006.01) [25] EN [54] ABSORBENT GARMENT AND METHOD OF MANUFACTURE THEREOF [54] VETEMENT ABSORBANT ET METHODE DE FABRICATION [72] YIP, SUET HING, CN [72] AU, FUNG YEE DEBBY, CN [72] WILLIAMS, DAVID JOHN, CN [72] SAMARASINGHE, MELOY TED, CN [72] WONG, HIN TING SCARLET, CN [71] MAST INDUSTRIES (FAR EAST) LIMITED, CN [22] 2022-09-29 [41] 2023-04-04 [30] US (63/251,930) 2021-10-04 [30] US (17/936,060) 2022-09-28</p>	<p style="text-align: right;">[21] 3,178,626 [13] A1</p> <p>[25] EN [54] SYSTEM AND METHOD OF AUTOMATED LOGISTICAL VEHICLE REGISTRATION AND VALIDATION FOR REMOTE MONITORING [54] SYSTEME ET METHODE D'ENREGISTREMENT DE VEHICULE LOGISTIQUE AUTOMATISE ET VALIDATION POUR LA SURVEILLANCE A DISTANCE [72] CAMERON, JAMES ALLAN DOUGLAS, CA [72] CARLE, MATTHEW AARON ROGERS, CA [72] RICE, PAUL, CA [72] MUNZ, PHIL KONRAD, CA [72] MILLAR, JONATHAN TAYLOR, CA [71] PATRIOTONE TECHNOLOGIES, CA [22] 2022-10-06 [41] 2023-04-06 [30] US (63/252,642) 2021-10-06</p>
<p style="text-align: right;">[21] 3,178,526 [13] A1</p> <p>[51] Int.Cl. B68G 7/12 (2006.01) A47C 27/05 (2006.01) A47C 27/15 (2006.01) B32B 3/06 (2006.01) B32B 3/08 (2006.01) B68G 11/04 (2006.01) [25] EN [54] MULTILAYER MATTRESS ASSEMBLY AND MANUFACTURING PROCESS [54] ASSEMBLAGE DE MATELAS MULTICOUCHE ET PROCEDE DE FABRICATION [72] ANDERSON, BRIAN MARK, US [72] MCGUIRE, SHERI L., US [72] SIEBER, LINDSEY BETH SIDRANE, US [72] ANDREWS, WILLIAM JAMES, US [71] DREAMWELL, LTD., US [22] 2022-10-05 [41] 2023-04-05 [30] US (17/494,271) 2021-10-05</p>		

Demandes canadiennes mises à la disponibilité du public
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[21] 3,178,697
[13] A1
[25] EN
[54] METHODS, SYSTEMS, AND APPARATUSES FOR CONTENT-ADAPTIVE MULTI-LAYER CODING BASED ON NEURAL NETWORKS
[54] METHODES, SYSTEMES ET APPAREILS POUR LE CODAGE MULTICOUCHE ADAPTE AU CONTENU FONDE SUR LES RESEAUX NEURONAUX
[72] GROIS, DAN, US
[72] GILADI, ALEXANDER, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2022-10-07
[41] 2023-04-08
[30] US (17/497,588) 2021-10-08

[21] 3,178,700
[13] A1
[51] Int.Cl. G06F 30/10 (2020.01) B33Y 50/00 (2015.01) B33Y 80/00 (2015.01) G06V 40/16 (2022.01)
[25] EN
[54] GOGGLE CUSTOMIZATION SYSTEM AND METHODS
[54] SYSTEME ET METHODES DE PERSONNALISATION DE LUNETTES
[72] LINDAUER, HANS, US
[72] THORSELL, ERIC, US
[72] ROBBINS, CRAIG, US
[71] SMITH SPORT OPTICS, INC., US
[22] 2022-10-07
[41] 2023-04-07
[30] US (63/253,504) 2021-10-07

[21] 3,178,712
[13] A1
[51] Int.Cl. B44C 1/28 (2006.01) A47G 1/16 (2006.01) F16B 5/00 (2006.01)
[25] EN
[54] SYSTEM AND METHOD FOR MOUNTING WALL HANGINGS
[54] SYSTEME ET METHODE POUR L'INSTALLATION DE PIECES MURALES
[72] RAO, MADHAVI KOMMULA, US
[72] ERICKSEN, BENJAMIN KYLE, US
[71] TALAYA NORTH AMERICA LLC, US
[22] 2022-10-07
[41] 2023-04-08
[30] US (63/253,668) 2021-10-08

[21] 3,178,759
[13] A1
[51] Int.Cl. F04D 15/00 (2006.01) F04D 13/06 (2006.01)
[25] EN
[54] VARIABLE SPEED PUMPING SYSTEM AND METHOD
[54] SYSTEME ET METHODE DE POMPAGE A VITESSE VARIABLE
[72] MILLER, JAMES, US
[72] WEAVER, RYAN, US
[71] PENTAIR WATER POOL AND SPA, INC., US
[22] 2022-10-08
[41] 2023-04-08
[30] US (63/262,284) 2021-10-08

[21] 3,178,775
[13] A1

[25] EN
[54] A CLOUD CONNECTOR SYSTEM FOR ESTABLISHING A SECURE CONNECTION BETWEEN CLOUD SERVER AND A TENANT BACKGROUND
[54] SYSTEME DE CONNEXION A L'INFONUAGIQUE POUR ETABLIR UNE CONNEXION SECURISEE ENTRE UN SERVEUR EN INFONUAGIQUE ET UN EMPLACEMENT DE LOCATAIRE
[72] PURUSOTHAMAN, ANAND, IN
[72] POOZHIKUNNATH RAMAKRISHNAN, SUNIL KUMAR, IN
[72] KUNNATHUVAYALIL VELAYUDHAN, RAJESH KUMAR, IN
[72] RAMACHANDRAN, AISHWARYA, IN
[71] APPVIEWX INC., US
[22] 2022-10-07
[41] 2023-04-07
[30] US (63/253,460) 2021-10-07

[21] 3,178,804
[13] A1
[51] Int.Cl. F01D 5/06 (2006.01) F01D 5/02 (2006.01)
[25] EN
[54] ROTOR ASSEMBLY FOR A GAS TURBINE ENGINE AND METHOD FOR ASSEMBLING SAME
[54] ENSEMBLE ROTOR POUR UNE TURBINE A GAZ ET METHODE D'ASSEMBLAGE
[72] PAOLUCCI, MICHAEL, CA
[72] DI PAOLA, FRANCO, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-10-07
[41] 2023-04-08
[30] US (17/497,458) 2021-10-08

[21] 3,178,807
[13] A1
[25] EN
[54] COMPONENT INSPECTION SYSTEM AND METHOD
[54] SYSTEME D'INSPECTION DE COMPOSANT ET METHODE
[72] GUO, CHANGSHENG, CA
[72] LABERGE, CLEMENT DROUIN, CA
[72] HAYEK, DANIEL, CA
[72] YANG, SAMUEL S., CA
[72] LEBRUN, MAXIME, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-10-07
[41] 2023-04-08
[30] US (17/497,504) 2021-10-08

[21] 3,178,808
[13] A1
[51] Int.Cl. G01M 15/14 (2006.01)
[25] EN
[54] INSPECTING AN INTERIOR OF A GAS TURBINE ENGINE APPARATUS
[54] INSPECTION D'UN INTERIEUR D'UN APPAREIL DE TURBINE A GAZ
[72] BYERS, JUSTIN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-10-07
[41] 2023-04-08
[30] US (17/497,540) 2021-10-08

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[21] 3,178,812
[13] A1
[51] Int.Cl. B60N 2/22 (2006.01) A47C 1/032 (2006.01) A47C 17/17 (2006.01) B60N 2/24 (2006.01) B64D 11/06 (2006.01)
[25] EN
[54] RECLINABLE SEAT WITH MULTIPLE CONFIGURATIONS
[54] SIEGE INCLINABLE A CONFIGURATIONS MULTIPLES
[72] VIGEANT, JEROME, CA
[71] BOMBARDIER INC., CA
[22] 2022-10-07
[41] 2023-04-08
[30] US (63/253,771) 2021-10-08

[21] 3,178,814
[13] A1
[51] Int.Cl. B21D 37/12 (2006.01)
[25] EN
[54] WIPER CAP ASSEMBLY
[54] ASSEMBLAGE DE CAPUCHON D'ESSUIE-GLACE
[72] BREEN, SCOTT M., US
[72] PYPER, JOEL T., US
[71] STANDARD LIFTERS, INC., US
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[54] PANNEAU DE SURFACE DE BATIMENT CREUSE ET SYSTEME DE SURFACE DE BATIMENT
[72] GOETZ, ROBERT L., US
[72] KIRN, BRIAN W., US
[72] STUCKY, DAVID J., US
[72] SUCHYNA, MARK G., US
[72] FERRIS, JASON, US
[72] DUNMIRE, MARK J., US
[71] CERTAINTeed LLC, US
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[25] EN
[54] AUTOMATED WELLHEAD MONITORING AND CONTROL SYSTEM
[54] SYSTEME DE SURVEILLANCE ET DE CONTROLE AUTOMATISE D'UNE TETE DE PUITS
[72] HOSTETTER, DAVID, US
[72] CARRILLO, PHILIP, US
[72] RUSSO, MELISSA, US
[72] CARVER, CHRISTOPHER, US
[71] STEARNS, CONRAD AND SCHMIDT, CONSULTING ENGINEERS, INC., US
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[54] DIVERSE PATHWAY INTEGRATION
[54] INTEGRATION DE VOIES DIVERSES
[72] KAUR, SAMIAN, US
[72] PATHAK, ADITYA, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
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[41] 2023-04-08
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[54] WALL MOUNT FOR MOUNTING A MEDICAL DEVICE
[54] SUPPORT MURAL POUR FIXER UN APPAREIL MEDICAL
[72] SCHaub, MARKUS, DE
[71] SCHaub, MARKUS, DE
[22] 2022-10-05
[41] 2023-04-06
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[54] SLIDING SASH ASSEMBLIES
[54] ASSEMBLAGES DE CHASSIS COUSSIANTS
[72] STABILE, LEONARDO, CA
[71] STABILE, LEONARDO, CA
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[41] 2023-04-08
[30] US (63/262,287) 2021-10-08

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[25] EN
[54] SYSTEM AND METHOD FOR CARGO LOAD HEIGHT OBSERVATION
[54] SYSTEME ET METHODE POUR RESPECTER LA HAUTEUR D'UNE CHARGE DE MARCHANDISES
[72] PENLAND, PATRICK, US
[72] BIAGI, GERARD, US
[71] COTTRELL, INC., US
[22] 2022-11-11
[41] 2023-04-06
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[25] EN
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[54] SUPPORT A BILLES DE BOIS AJUSTABLE A RESSORT ET GRIFFE TRANSVERSALE
[72] CABRIT, SEBASTIEN, CA
[72] DALE, ASHLYNNE, CA
[72] VANDERHEYDEN, DANIEL, CA
[71] NORWOOD INDUSTRIES INC., CA
[22] 2023-01-25
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[25] EN
[54] COPPER FOIL WITH HIGH ENERGY AT BREAK AND SECONDARY BATTERY COMPRISING THE SAME
[54] FEUILLE METALLIQUE DE CUIVRE DE GRANDE ENERGIE A LA RUPTURE ET BATTERIE SECONDAIRE LA COMPRENANT
[72] MOON, HONGGI, LU
[72] KIM, SANGBEOM, LU
[72] KIM, SEUNGHWAN, LU
[71] CIRCUIT FOIL LUXEMBOURG, LU
[85] 2022-09-01
[86] 2021-10-07 (PCT/EP2021/077771)
[87] (3172019)
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[13] A1

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[54] OBJECT AND CAMERA LOCALIZATION SYSTEM AND LOCALIZATION METHOD FOR MAPPING OF THE REAL WORLD
[54] SYSTEME DE LOCALISATION D'OBJET ET DE CAMERA ET METHODE DE CARTOGRAPHIE DU MONDE REEL
[72] GUPTA, NEETIKA, CA
[72] KRISHNA, SRINIVAS, CA
[72] THOMAS, LAURA BETH, CA
[72] MILLS, DANIEL CHANTAL, CA
[72] KHAN, NAIMUL MEFRAZ, CA
[71] AWE COMPANY LIMITED, CA
[85] 2022-09-16
[86] 2022-07-06 (PCT/CA2022/051063)
[87] (3172195)
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[54] COPPER FOIL WITH HIGH ENERGY AT BREAK AND SECONDARY BATTERY COMPRISING THE SAME
[54] FEUILLE METALLIQUE DE CUIVRE DE GRANDE ENERGIE A LA RUPTURE ET BATTERIE SECONDAIRE LA COMPRENANT
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[72] KIM, SANGBEOM, LU
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[87] (3172526)
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[25] EN
[54] A STRUCTURE FOR FRAME PIECES OF A PNEUMATIC VACUUM ELEVATOR
[54]
[72] BABU, KILLAKATHU RAMANATHAN, IN
[71] BABU, KILLAKATHU RAMANATHAN, IN
[85] 2022-12-01
[86] 2021-10-05 (PCT/IB2021/059113)
[87] (3181129)
[30] IN (202141037267) 2021-08-17

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[13] A1

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[25] EN
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[71] BABU, KILLAKATHU RAMANATHAN, IN
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[30] IN (202141037314) 2021-08-17
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[13] A1

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[25] EN
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[54] EMBARCATION HAUTURIERE AUTONOME DE RAVITAILLEMENT EN PUISSANCE
[72] KNOLL, MATTHEW AARON, US
[72] DAVE, NEIL, US
[71] X DEVELOPMENT LLC, US
[85] 2022-12-21
[86] 2022-06-10 (PCT/US2022/033067)
[87] (3183722)
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- [54] SYSTEME D'APERCU PERSONNEL, PROFESSIONNEL, CULTUREL (PPC)
- [72] KASABACH, CHRISTOPHER D., US
- [72] TIKOFSKY, ANDREW MICHAEL, US
- [71] THE TRUSTEE OF THE THOMAS J. WATSON FOUNDATION, DBA WATSON FOUNDATION, A DELAWARE CHARITABLE TRUST, COMPRISING J.P. MORGAN TRUST COMPANY OF DELAWARE, A DELAWARE CORPORATION, US
- [85] 2023-02-08
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- [25] EN
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- [54] PROCEDES DE DOSAGE D'UNE CELLULE BIologIQUE
- [72] KUBIT, MATTHEW ASUKA, US
- [72] MAST, JOSHUA DAVID, US
- [72] KIM, JOHN JUNYEON, US
- [72] OLSON, ALEXANDER GERALD, US
- [72] NG, PRESTON LOCK, US
- [72] ELLEFSON, ARLVIN LOUIS, US
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- [72] PAI, VINCENT HAW TIEN, US
- [72] PARK, MINHA, US
- [72] TUNG, PO-YUAN, US
- [72] BRIGGS, JASON C., US
- [72] INGRAM, PATRICK N., US
- [72] DAILEY, KATRINE ELISE, US
- [72] SHANSAB, MARYAM, US
- [72] MCEWEN, JASON M., US
- [72] HIGA, ADRIENNE T., US
- [72] ZHOU, HONGYE, US
- [72] HU, ZHEN, US
- [72] TENNEY, JOHN A., US
- [71] BERKELEY LIGHTS, INC., US
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- [87] (WO2022/051570)
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- [54] MATERIALS AND METHODS OF USING ENGINEERED LIGANDS
- [54] MATERIAUX ET PROCEDES D'UTILISATION DE LIGANDS MODIFIES
- [72] ZWOLAK, ADAM, US
- [72] CHAN, SZEMAN, US
- [72] GANESAN, RAJKUMAR, US
- [71] JANSEN BIOTECH, INC, US
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- [86] 2021-08-18 (PCT/US2021/046488)
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- [25] EN
- [54] INCORPORATION OF BORON IN HYDROPROCESSING CATALYSTS, CATALYSTS OBTAINED AND USE THEREOF
- [54] INCORPORATION DE BORE DANS DES CATALYSEURS D'HYDROTRAITEMENT, CATALYSEURS OBTENUS ET LEUR UTILISATION
- [72] MALICK, GILL M., US
- [72] MANTO, MICHAEL J., US
- [72] DERRIG, JOHN R., US
- [71] ADVANCED REFINING TECHNOLOGIES LLC, US
- [85] 2023-02-17
- [86] 2021-08-25 (PCT/US2021/071273)
- [87] (WO2022/047475)
- [30] US (63/070,552) 2020-08-26

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 - [54] VACCINS CONTRE DES INFECTIONS A SARS-COV-2
 - [72] ANOSOVA, NATALIE, US
 - [72] AUSAR, SALVADOR FERNANDO, CA
 - [72] BERRY, CATHERINE, FR
 - [72] BOUDET, FLORENCE, FR
 - [72] CASIMIRO, DANILO, US
 - [72] CHICZ, ROMAN M., US
 - [72] DAYAN, GUSTAVO, US
 - [72] DE BRUYN, GUY, US
 - [72] DIAZGRANADOS, CARLOS, US
 - [72] FU, TONG-MING, US
 - [72] GARINOT, MARIE, FR
 - [72] GRADY, LORRY, US
 - [72] GURUNATHAN, SANJAY, US
 - [72] KALNIN, KIRILL, US
 - [72] KHRAMTSOV, NIKOLAI, US
 - [72] LECOUTURIER, VALERIE, FR
 - [72] RAHMAN, NAUSHEEN, CA
 - [72] RUIZ, SOPHIE, FR
 - [72] SAVARINO, STEPHEN, US
 - [72] SRIDHAR, SARANYA, GB
 - [72] SRIVASTAVA, INDRESH K., US
 - [72] TARTAGLIA, JAMES, US
 - [72] TIBBITS, TIMOTHY, US
 - [71] SANOFI PASTEUR INC., US
 - [85] 2023-02-21
 - [86] 2021-08-23 (PCT/US2021/047152)
 - [87] (WO2022/046634)
 - [30] US (63/069,172) 2020-08-24
 - [30] US (63/131,278) 2020-12-28
 - [30] US (63/184,065) 2021-05-04
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- [25] EN
- [54] CEILING SYSTEM AND METHOD OF INSTALLATION
- [54] SYSTEME DE PLAFOND ET PROCEDE D'INSTALLATION
- [72] DEPAUL, MARIE A., US
- [71] ARMSTRONG WORLD INDUSTRIES, INC., US
- [85] 2023-02-21
- [86] 2021-08-23 (PCT/US2021/047159)
- [87] (WO2022/046640)
- [30] US (63/069,368) 2020-08-24

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 - [25] EN
 - [54] CARDBOARD LID AND SUPPORT ELEMENT STRUCTURE
 - [54] COUVERCLE EN CARTON ET STRUCTURE D'ELEMENT DE SUPPORT
 - [72] HOEFT, PAULUS ANTONIUS AUGUSTINUS, BE
 - [72] NG PAKLEUNG, CLARA SOPHIE LEA, BE
 - [72] LEFLERE, JOOST PETER, BE
 - [71] THE PROCTER & GAMBLE COMPANY, US
 - [85] 2023-02-21
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 - [87] (WO2022/060614)
 - [30] EP (20196206.5) 2020-09-15
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[13] A1

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 - [25] EN
 - [54] FIRE-PROTECTION COATING COMPOSITION AND USE THEREOF
 - [54] COMPOSITION DE REVETEMENT IGNIFUGE ET SON UTILISATION
 - [72] FARRAS GUTIERREZ, HECTOR, DE
 - [71] HILTI AKTIENGESELLSCHAFT, LI
 - [85] 2023-02-23
 - [86] 2021-09-29 (PCT/EP2021/076834)
 - [87] (WO2022/073826)
 - [30] EP (20200985.8) 2020-10-09
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- [51] Int.Cl. A61K 36/064 (2006.01) A61P 19/08 (2006.01) A61P 19/10 (2006.01)
- [25] EN
- [54] PHARMACEUTICAL COMPOSITION USEFUL FOR PROMOTING OSTEOBLASTOGENESIS
- [54] COMPOSITION PHARMACEUTIQUE UTILE POUR FAVORISER L'OSTEOBLASTOGENESE
- [72] LE GUERN, MARIE-EMMANUELLE, FR
- [72] VERLEYE, MARC, FR
- [71] BIOCODEX, FR
- [85] 2023-02-23
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[13] A1

- [51] Int.Cl. A61K 47/10 (2017.01)
 - [25] EN
 - [54] SOL-GEL COMPOSITION
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 - [72] PAREKH, HARENDRAG, AU
 - [72] PANDEY, PREETI, AU
 - [71] THE UNIVERSITY OF QUEENSLAND, AU
 - [85] 2023-02-23
 - [86] 2021-08-27 (PCT/AU2021/050991)
 - [87] (WO2022/040751)
 - [30] AU (2020903065) 2020-08-27
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 - [25] EN
 - [54] INTERLEUKIN-17 INHIBITORS
 - [54] INHIBITEURS DE L'INTERLEUKINE-17
 - [72] TROXLER, THOMAS JOSEF, CH
 - [72] ORAIN, DAVID, CH
 - [72] FURET, PASCAL, CH
 - [72] WEIGAND, KLAUS, CH
 - [72] SCHLAPBACH, ACHIM, CH
 - [71] NOVARTIS AG, CH
 - [85] 2023-02-23
 - [86] 2021-11-01 (PCT/IB2021/060092)
 - [87] (WO2022/091056)
 - [30] EP (20205121.5) 2020-11-02
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[13] A1

- [51] Int.Cl. A61F 2/66 (2006.01)
- [25] EN
- [54] SYSTEMS AND METHODS FOR A WATER RESISTANT ACTIVE EXOSKELETON
- [54] SYSTEMES ET PROCEDES POUR EXOSQUELETTE ACTIF RESISTANT A L'EAU
- [72] MOONEY, LUKE, US
- [72] CUMMINGS, JONATHAN, US
- [72] DUVAL, JEAN-FRANCOIS, US
- [71] DEPHY, INC., US
- [85] 2023-02-23
- [86] 2021-08-24 (PCT/US2021/047252)
- [87] (WO2022/046703)
- [30] US (17/002,556) 2020-08-25

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[21] **3,190,844**

[13] A1

[51] Int.Cl. C05D 9/02 (2006.01)

[25] EN

[54] AN ORGANIC AGRICULTURAL COMPOSITION

[54] COMPOSITION AGRICOLE ORGANIQUE

[72] DOSHI, HITESHKUMAR ANILKANT, IN

[71] DOSHI, HITESHKUMAR ANILKANT, IN

[85] 2023-02-24

[86] 2021-09-08 (PCT/IB2021/058164)

[87] (WO2022/053946)

[30] IN (IN202021038734) 2020-09-08

[21] **3,190,846**

[13] A1

[51] Int.Cl. A61B 1/267 (2006.01) A61B

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A61M 16/01 (2006.01) A61M 16/06

(2006.01) A61M 39/00 (2006.01)

A61M 39/12 (2006.01)

[25] EN

[54] VACUUM SHIELD ASSEMBLY FOR ATTACHMENT TO MEDICAL MASKS AND INTUBATION ASSEMBLY TO PROTECT FROM AIRBORNE ILLNESSES

[54] ENSEMBLE DE PROTECTION SOUS VIDE POUR LA FIXATION A DES MASQUES MEDICAUX ET ENSEMBLE D'INTUBATION POUR LA PROTECTION CONTRE DES MALADIES AEROPORTEES

[72] BRADY, ROB, US

[72] VERGIN, MATT, US

[72] JENNINGS, BARRY, US

[72] MACFARLANE, STEVE, US

[72] WINTERHALTER, MIKE, US

[72] BLUBAUGH, RICHARD, US

[72] RANDALL, CRAIG, US

[72] DENEVAN, MISTY, US

[72] BAKER, TODD, US

[71] SAFER MEDICAL PRODUCTS, LLC, US

[85] 2023-02-24

[86] 2021-09-09 (PCT/US2021/049619)

[87] (WO2022/056099)

[30] US (63/075,862) 2020-09-09

[30] US (17/173,724) 2021-02-11

[30] US (17/177,432) 2021-02-17

[30] US (17/191,823) 2021-03-04

[30] US (63/075,890) 2020-09-09

[21] **3,190,848**

[13] A1

[51] Int.Cl. C23C 18/18 (2006.01) C23C 18/20 (2006.01) C23C 18/38 (2006.01)

[25] EN

[54] A METHOD FOR ACTIVATING A SURFACE OF A NON-CONDUCTIVE OR CARBON-FIBRES CONTAINING SUBSTRATE FOR METALLIZATION

[54] PROCEDE D'ACTIVATION D'UNE SURFACE D'UN SUBSTRAT NON-CONDUCTEUR OU CONTENANT DES FIBRES DE CARBONE DESTINE A LA METALLISATION

[72] BEYER, ANDRE, DE

[72] GREGORIADES, LAURENCE JOHN, DE

[72] KEMPA, STEFAN, DE

[72] LEHMANN, JULIA, DE

[72] WELZ, YVONNE, DE

[71] ATOTECH DEUTSCHLAND GMBH & CO. KG, DE

[85] 2023-02-24

[86] 2021-08-26 (PCT/EP2021/073578)

[87] (WO2022/043417)

[30] EP (20193047.6) 2020-08-27

[21] **3,190,849**

[13] A1

[51] Int.Cl. A61K 36/185 (2006.01) B01D 9/00 (2006.01) B01D 11/02 (2006.01) B01D 11/04 (2006.01)

[25] EN

[54] METHOD OF PREPARING CANNABINOID

[54] PROCEDE DE PREPARATION DE CANNABINOIDES

[72] LOFT, MICHAEL SIMON, GB

[72] LOPEZ, ALEJANDRO MONTELLANO, GB

[72] SILCOCK, ALAN JAMES, GB

[71] GW RESEARCH LIMITED, GB

[85] 2023-02-24

[86] 2021-08-27 (PCT/EP2021/073804)

[87] (WO2022/049007)

[30] GB (2013765.9) 2020-09-02

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[13] A1

[51] Int.Cl. B65D 3/04 (2006.01) B65D 3/12 (2006.01) B65D 3/22 (2006.01)

[25] EN

[54] CONTAINER ASSEMBLIES WITH PAPER-BASED END CLOSURES

[54] ENSEMBLES RECIPIENTS DOTES DE FERMETURES D'EXTREMITE

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[72] HATJE, DIRK, DE

[72] SINS, VERONIQUE, BE

[71] SONOCO DEVELOPMENT, INC., US

[85] 2023-02-24

[86] 2021-08-27 (PCT/US2021/047880)

[87] (WO2022/047113)

[30] US (63/071,019) 2020-08-27

[21] **3,190,853**

[13] A1

[51] Int.Cl. A01G 7/00 (2006.01) A01G 9/00 (2018.01)

[25] EN

[54] AIR DELIVERY SYSTEM FOR PLANT GROW RACK

[54] SYSTEME DE DISTRIBUTION D'AIR POUR RAYONNAGE DE CULTURE DE PLANTES

[72] ARCHAMBAULT, ANDREW D., US

[72] FLOCK, MICAH L., US

[72] NGO, VICKIE L., US

[72] MCCARTER, MATTHEW, US

[72] REYNOLDS, CHRISTOPHER, US

[71] HGCI, INC., US

[85] 2023-02-24

[86] 2021-08-25 (PCT/US2021/047585)

[87] (WO2022/046928)

[30] US (63/070,819) 2020-08-26

[30] US (63/216,950) 2021-06-30

Demandes PCT entrant en phase nationale

<p style="text-align: right;">[21] 3,190,854</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B31B 50/00 (2017.01) B65B 31/04 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR THE APPLICATION AND SEALING OF END CLOSURES ON CONTAINERS</p> <p>[54] SYSTEMES ET PROCEDES POUR L'APPLICATION ET LE SCELLAGE DE FERMETURES D'EXTREMITE SUR DES RECIPIENTS</p> <p>[72] HATJE, DIRK, DE</p> <p>[72] GROSS, DANNY, DE</p> <p>[71] SONOCO DEVELOPMENT, INC., US</p> <p>[85] 2023-02-24</p> <p>[86] 2021-08-27 (PCT/US2021/047883)</p> <p>[87] (WO2022/047115)</p> <p>[30] US (63/071,069) 2020-08-27</p>

<p style="text-align: right;">[21] 3,190,857</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G01S 17/88 (2006.01)</p> <p>[25] EN</p> <p>[54] ULTRASONIC STRUCTURAL HEALTH MONITORING DEVICE, SYSTEM AND METHOD</p> <p>[54] DISPOSITIF, SYSTEME ET PROCEDE DE SURVEILLANCE DE L'INTEGRITE DES STRUCTURES PAR ULTRASONS</p> <p>[72] KRUGER, SILVIO ELTON, CA</p> <p>[72] ROCHELEAU, DAVID, CA</p> <p>[72] SUN, ZHIGANG, CA</p> <p>[72] WU, KUO-TING, CA</p> <p>[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA</p> <p>[85] 2023-02-24</p> <p>[86] 2021-09-15 (PCT/CA2021/051162)</p> <p>[87] (3190857)</p> <p>[30] US (63/074,112) 2020-09-03</p> <p>[30] US (63/092,621) 2020-10-16</p>
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<p style="text-align: right;">[21] 3,190,861</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H01Q 1/52 (2006.01) H01Q 3/00 (2006.01) H04B 5/00 (2006.01) H04B 15/00 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD AND SYSTEM FOR MITIGATING INTERFERENCE IN THE NEAR FIELD</p> <p>[54] PROCEDE ET SYSTEME D'ATTENUATION D'INTERFERENCE EN CHAMP PROCHE</p> <p>[72] ABDELMONEM, AMR, US</p> <p>[72] GOODMAN, IGOR, US</p> <p>[72] TACCONI, PABLO, US</p> <p>[71] ISCO INTERNATIONAL, LLC, US</p> <p>[85] 2023-02-24</p> <p>[86] 2021-08-20 (PCT/US2021/046875)</p> <p>[87] (WO2022/046548)</p> <p>[30] US (63/071,896) 2020-08-28</p> <p>[30] US (63/231,037) 2021-08-09</p>
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<p style="text-align: right;">[21] 3,190,855</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 47/22 (2006.01) A61K 47/12 (2006.01) A61K 51/08 (2006.01) A61P 35/00 (2006.01) C07C 65/05 (2006.01) C07D 307/62 (2006.01) C07K 7/06 (2006.01) C07K 14/655 (2006.01)</p> <p>[25] EN</p> <p>[54] RADIOPHARMACEUTICAL AND METHODS</p> <p>[54] PRODUITS RADIOPHARMACEUTIQUES ET PROCEDES</p> <p>[72] MCCANN, JOE, CA</p> <p>[72] KELLY, JUSTYNA, CA</p> <p>[72] BILLONE, PAUL, CA</p> <p>[71] CENTRE FOR PROBE DEVELOPMENT ANDCOMMERCIALIZATION (CPDC), CA</p> <p>[85] 2023-02-24</p> <p>[86] 2021-08-27 (PCT/IB2021/000589)</p> <p>[87] (WO2022/043754)</p> <p>[30] US (63/071,138) 2020-08-27</p>
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<p style="text-align: right;">[21] 3,190,859</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B29C 53/38 (2006.01) B31B 50/44 (2017.01) B31B 50/64 (2017.01) B29C 53/42 (2006.01) B65D 3/04 (2006.01) B65D 3/12 (2006.01) B31B 50/60 (2017.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR THE APPLICATION AND SEALING OF END CLOSURES ON CONTAINERS</p> <p>[54] SYSTEMES ET PROCEDES POUR L'APPLICATION ET LE SCELLAGE DE FERMETURES D'EXTREMITE SUR DES RECIPIENTS</p> <p>[72] HATJE, DIRK, DE</p> <p>[72] GRAF, DANIEL CHRISTOPH, DE</p> <p>[71] SONOCO PRODUCTS CO., US</p> <p>[85] 2023-02-24</p> <p>[86] 2021-08-27 (PCT/US2021/047890)</p> <p>[87] (WO2022/047120)</p> <p>[30] US (63/071,076) 2020-08-27</p>

<p style="text-align: right;">[21] 3,190,862</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C07C 29/152 (2006.01) B01J 35/02 (2006.01) C07C 31/04 (2006.01)</p> <p>[25] EN</p> <p>[54] CHEMICAL REACTION METHOD, CHEMICAL REACTION APPARATUS AND PRODUCTION METHOD</p> <p>[54] PROCEDE DE REACTION CHIMIQUE, APPAREIL DE REACTION CHIMIQUE ET PROCEDE DE PRODUCTION</p> <p>[72] NAKASUJI, TAKEHIRO, JP</p> <p>[72] SUZUTA, TETSUYA, JP</p> <p>[72] MATSUDA, MASATO, JP</p> <p>[72] SATO, YUICHI, JP</p> <p>[71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP</p> <p>[85] 2023-02-24</p> <p>[86] 2021-08-30 (PCT/JP2021/031681)</p> <p>[87] (WO2022/045326)</p> <p>[30] JP (2020-145863) 2020-08-31</p>
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[21] 3,190,865
[13] A1

- [51] Int.Cl. C11D 3/00 (2006.01) C11D 3/395 (2006.01) C11D 11/00 (2006.01)
- [25] EN
- [54] COMPOSITIONS AND METHODS USING SOIL RELEASE POLYMERS
- [54] COMPOSITIONS ET PROCEDES D'UTILISATION DE POLYMERES FACILITANT LE LAVAGE
- [72] GUTTENTAG, ANDREW, US
- [71] CHURCH & DWIGHT CO., INC., US
- [85] 2023-02-24
- [86] 2021-09-29 (PCT/US2021/052515)
- [87] (WO2022/072399)
- [30] US (63/085,512) 2020-09-30

[21] 3,190,869
[13] A1

- [51] Int.Cl. H04B 1/46 (2006.01)
- [25] EN
- [54] METHOD AND SYSTEM FOR MITIGATING PASSIVE INTERMODULATION (PIM) BY PERFORMING POLARIZATION ADJUSTING
- [54] PROCEDE ET SYSTEME D'ATTENUATION DE L'INTERMODULATION PASSIVE (PIM) PAR AJUSTEMENT DE LA POLARISATION
- [72] ABDELMONEM, AMR, US
- [72] GOODMAN, IGOR, US
- [72] TACCONI, PABLO, US
- [71] ISCO INTERNATIONAL, LLC, US
- [85] 2023-02-24
- [86] 2021-08-20 (PCT/US2021/046806)
- [87] (WO2022/046531)
- [30] US (63/071,896) 2020-08-28
- [30] US (63/231,037) 2021-08-09

[21] 3,190,870
[13] A1

- [51] Int.Cl. G06F 9/455 (2018.01)
- [25] EN
- [54] METHODS AND SYSTEMS FOR EFFICIENT VIRTUALIZATION OF INLINE TRANSPARENT COMPUTER NETWORKING DEVICES
- [54] PROCEDES ET SYSTEMES DE VIRTUALISATION EFFICACE DE DISPOSITIFS DE MISE EN RESEAU INFORMATIQUE TRANSPARENTS EN LIGNE
- [72] GOODWIN, RICHARD, US
- [72] SPRAGUE, PAUL, US
- [72] GEREMIA, PETER, US
- [72] MOORE, SEAN, US
- [71] CENTRIPETAL NETWORKS, LLC, US
- [85] 2023-02-24
- [86] 2021-08-26 (PCT/US2021/047735)
- [87] (WO2022/047019)
- [30] US (63/071,174) 2020-08-27
- [30] US (17/395,120) 2021-08-05

[21] 3,190,872
[13] A1

- [51] Int.Cl. G06F 21/62 (2013.01) G06F 16/901 (2019.01)
- [25] EN
- [54] PERMISSIONS - ENFORCED GRAPH DATABASE
- [54] BASE DE DONNEES DE GRAPHS A CONTRAINTE DE PERMISSIONS
- [72] UPTON, CLAY T., US
- [71] WINTER INTERNATIONAL, LLC, US
- [85] 2023-02-24
- [86] 2021-07-02 (PCT/US2021/040260)
- [87] (WO2022/046290)
- [30] US (17/008,501) 2020-08-31

[21] 3,190,873
[13] A1

- [51] Int.Cl. H04W 4/35 (2018.01) G06Q 10/08 (2023.01) H04W 4/80 (2018.01) A24F 40/65 (2020.01)
- [25] EN
- [54] SYSTEMS AND METHODS OF WIRELESS COMMUNICATION FOR INVENTORY MANAGEMENT
- [54] SYSTEMES ET PROCEDES DE COMMUNICATION SANS FIL POUR GESTION D'INVENTAIRE
- [72] GREENBAUM, SEAN, US
- [71] GLAS, INC., US
- [85] 2023-02-24
- [86] 2021-10-06 (PCT/US2021/053690)
- [87] (WO2022/076502)
- [30] US (17/065,825) 2020-10-08
- [30] US (17/234,733) 2021-04-19

[21] 3,190,876
[13] A1

- [51] Int.Cl. H01Q 3/24 (2006.01) H04W 24/08 (2009.01) H04J 11/00 (2006.01)
- [25] EN
- [54] METHOD AND SYSTEM FOR MITIGATING INTERFERENCE BY ROTATING ANTENNA STRUCTURES
- [54] PROCEDE ET SYSTEME D'ATTENUATION D'INTERFERENCE PAR DES STRUCTURES D'ANTENNE ROTATIVE
- [72] ABDELMONEM, AMR, US
- [72] GOODMAN, IGOR, US
- [72] TACCONI, PABLO, US
- [71] ISCO INTERNATIONAL, LLC, US
- [85] 2023-02-24
- [86] 2021-08-20 (PCT/US2021/046804)
- [87] (WO2022/046529)
- [30] US (63/071,896) 2020-08-28
- [30] US (63/231,037) 2021-08-09

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[21] 3,190,877
[13] A1

- [51] Int.Cl. H01M 10/04 (2006.01)
 - [25] EN
 - [54] ELECTRODE ASSEMBLY, BATTERY CELL, BATTERY AND ELECTRIC DEVICE
 - [54] ASSEMBLAGE D'ELECTRODE, CELLULE DE BATTERIE, BATTERIE ET DISPOSITIF DE CONSOMMATION D'ENERGIE
 - [72] ZENG, YUQUN, CN
 - [72] ZHANG, SHENGWU, CN
 - [72] TANG, MINGHAO, CN
 - [72] LIN, WENFA, CN
 - [72] LIU, HUIHUI, CN
 - [72] YE, JIE, CN
 - [71] JIANGSU CONTEMPORARY AMPEREX TECHNOLOGY LIMITED, CN
 - [85] 2023-02-24
 - [86] 2021-07-23 (PCT/CN2021/108058)
 - [87] (WO2023/000290)
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[21] 3,190,878
[13] A1

- [51] Int.Cl. D21F 3/04 (2006.01) D21F 7/02 (2006.01) D21G 1/02 (2006.01)
- [25] EN
- [54] DRIVE ARRANGEMENT AND DRIVE ARRANGEMENT FOR A TWIN WIRE PRESS
- [54]
- [72] MEHNAGIC, MAHIR, AT
- [72] KULHANEK, EWALD, AT
- [71] ANDRITZ AG, AT
- [85] 2023-02-24
- [86] 2021-07-01 (PCT/EP2021/068249)
- [87] (WO2022/063453)
- [30] AT (A50823/2020) 2020-09-28

[21] 3,190,879
[13] A1

- [51] Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01)
 - [25] EN
 - [54] CCR8 ANTIBODY AND APPLICATION THEREOF
 - [54] ANTICORPS ANTI-CCR8 ET APPLICATION CORRESPONDANTE
 - [72] LU, SHUANG, CN
 - [72] WANG, YONGQIANG, CN
 - [72] GAN, XIN, CN
 - [72] CHEN, FEI, CN
 - [72] HE, JINQIU, CN
 - [72] SHAO, XIAOHUI, CN
 - [72] HU, SHAOPING, CN
 - [72] ZHAO, CHUCHU, CN
 - [72] ZHAO, JIUQIAO, CN
 - [72] RONG, YIPING, CN
 - [71] HARBOUR BIOMED US, INC., US
 - [85] 2023-02-24
 - [86] 2021-08-27 (PCT/CN2021/115061)
 - [87] (WO2022/042690)
 - [30] CN (202010888581.2) 2020-08-28
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[21] 3,190,880
[13] A1

- [51] Int.Cl. C12M 1/40 (2006.01) B01L 3/00 (2006.01) C07K 1/22 (2006.01) C12M 1/36 (2006.01) G01N 33/48 (2006.01) G01N 33/52 (2006.01)
- [25] EN
- [54] PORTABLE DEVICE FOR MANUFACTURE OF PROTEIN-BASED DRUGS AND LABORATORY REAGENTS AND RELATED METHODS
- [54] DISPOSITIF PORTATIF POUR LA FABRICATION DE MEDICAMENTS BASES SUR DES PROTEINES ET REACTIFS DE LABORATOIRE, ET PROCEDES ASSOCIES
- [72] TINAFAR, HAMED, CA
- [72] PARDEE, KEITH, CA
- [72] SINTON, DAVID, CA
- [72] GUO, YUXIU, CA
- [72] CICEK, SERAY, CA
- [72] TALEBI, SOHEIL, CA
- [71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
- [85] 2023-02-24
- [86] 2021-08-26 (PCT/CA2021/051187)
- [87] (WO2022/040804)
- [30] US (63/070,336) 2020-08-26

[21] 3,190,881
[13] A1

- [51] Int.Cl. A61M 5/14 (2006.01) A61M 5/162 (2006.01) A61M 5/165 (2006.01)
 - [25] EN
 - [54] BULB FOR USE WITH IV SET
 - [54] AMPOULE DESTINEE A ETRE UTILISEE AVEC UN ENSEMBLE IV
 - [72] YAMIN, LEYLA, US
 - [72] CALLAHAN, RYAN, US
 - [72] HON, KELLY KLOSTER, US
 - [71] CAREFUSION 303, INC., US
 - [85] 2023-02-24
 - [86] 2021-09-10 (PCT/US2021/049742)
 - [87] (WO2022/056182)
 - [30] US (17/018,742) 2020-09-11
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[21] 3,190,882
[13] A1

- [51] Int.Cl. A61M 39/22 (2006.01) A61M 5/158 (2006.01)
- [25] EN
- [54] FLUID TRANSFER SYSTEM FOR DRUG DELIVERY DEVICE
- [54] SYSTEME DE TRANSFERT DE LIQUIDE POUR DISPOSITIF D'ADMINISTRATION DE MEDICAMENT
- [72] CLASEN, ERIC SCOTT, US
- [71] BECTON, DICKINSON AND COMPANY, US
- [85] 2023-02-24
- [86] 2021-08-31 (PCT/US2021/048345)
- [87] (WO2022/047355)
- [30] US (63/072,625) 2020-08-31

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[21] 3,190,884
[13] A1

[51] Int.Cl. G10L 19/012 (2013.01) G10L 19/008 (2013.01)
[25] EN
[54] MULTI-CHANNEL SIGNAL GENERATOR, AUDIO ENCODER AND RELATED METHODS RELYING ON A MIXING NOISE SIGNAL
[54] GENERATEUR DE SIGNAUX MULTICANAUX, CODEUR AUDIO ET PROCEDES ASSOCIES REPOSANT SUR UN SIGNAL DE BRUIT DE MELANGE
[72] KIENE, JAN FREDERIK, DE
[72] FUCHS, GUILLAUME, DE
[72] KORSE, SRIKANTH, DE
[72] MULTRUS, MARKUS, DE
[72] FOTOPOULOU, ELENI, DE
[72] RAVELLI, EMMANUEL (DECEASED), XX
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2023-02-24
[86] 2021-06-30 (PCT/EP2021/068079)
[87] (WO2022/042908)
[30] EP (20193716.6) 2020-08-31

[21] 3,190,885
[13] A1

[51] Int.Cl. A23L 3/44 (2006.01) A23K 10/30 (2016.01) A23P 10/40 (2016.01) A23L 11/70 (2021.01)
[25] EN
[54] COMPOSITION MANUFACTURED FROM FREEZE-DRIED EMBRYONIC SPROUTED PLANTS, AND METHODS OF MAKING AND USING THE SAME
[54] COMPOSITION FABRIQUEE A PARTIR DE PLANTES GERMEES EMBRYONNAIRES LYOPHILISEES, ET PROCEDES DE FABRICATION ET D'UTILISATION DE CELLE-CI
[72] CRYAN, SHARON, US
[71] FOOD NERD INC., US
[85] 2023-02-24
[86] 2021-08-24 (PCT/US2021/047308)
[87] (WO2022/046743)
[30] US (63/069,676) 2020-08-24

[21] 3,190,886
[13] A1

[51] Int.Cl. H04N 7/14 (2006.01)
[25] EN
[54] MERGING WEBCAM SIGNALS FROM MULTIPLE CAMERAS
[54] FUSION DE SIGNAUX WEBCAMERA PROVENANT DE MULTIPLES CAMERAS
[72] BUSHMAN, TOM, US
[72] MOSKOVKO, ILYA, US
[72] BROWN, HOWARD, US
[71] OWL LABS INC., US
[85] 2023-02-24
[86] 2021-08-24 (PCT/US2021/047404)
[87] (WO2022/046810)
[30] US (63/069,710) 2020-08-24

[21] 3,190,887
[13] A1

[51] Int.Cl. H04W 84/12 (2009.01)
[25] EN
[54] MITIGATION OF EXCESSIVE CLIENT STEERING ATTEMPTS IN MULTIPLE ACCESS POINT NETWORKS
[54] ATTENUATION DE TENTATIVES EXCESSIVES DE GUIDAGE DE CLIENT DANS DES RESEAUX DE POINTS D'ACCES MULTIPLES

[72] STRATER, JAY WILLIAM, US
[72] GURUMALLAPPA, CHETHAN ALUR, IN
[72] MOHANAN, DIWYA KANDAGATH, IN
[72] BAKER, PAUL D., US
[71] ARRIS ENTERPRISES LLC, US
[85] 2023-02-24
[86] 2021-04-27 (PCT/US2021/029357)
[87] (WO2022/046188)
[30] US (63/072,474) 2020-08-31

[21] 3,190,888
[13] A1

[51] Int.Cl. H04B 7/10 (2017.01) H04W 24/08 (2009.01) H04J 11/00 (2006.01)
[25] EN
[54] METHOD AND SYSTEM FOR POLARIZATION ADJUSTING OF ORTHOGONALLY-POLARIZED ELEMENT PAIRS
[54] PROCEDE ET SYSTEME DE REGLAGE DE POLARISATION DE PAIRES D'ELEMENTS A POLARISATION ORTHOGONALE
[72] ABDELMONEM, AMR, US
[72] GOODMAN, IGOR, US
[72] TACCONI, PABLO, US
[72] MILIAVSKI, GUENADI, US
[71] ISCO INTERNATIONAL, LLC, US
[85] 2023-02-24
[86] 2021-08-20 (PCT/US2021/046807)
[87] (WO2022/046532)
[30] US (63/071,896) 2020-08-28
[30] US (63/231,037) 2021-08-09

[21] 3,190,890
[13] A1

[51] Int.Cl. G06Q 40/06 (2012.01) G06Q 10/10 (2023.01) G06Q 40/02 (2023.01) G06Q 40/04 (2012.01) G06Q 40/08 (2012.01)
[25] EN
[54] SYSTEMS AND METHODS FOR COMPETITIVE PORTFOLIO TRADING
[54] SYSTEMES ET PROCEDES DE TRANSACTIONS DE PORTEFEUILLES COMPETITIFS
[72] BRUNER, CHRISTIAN ADAM, US
[72] PETERSON, JUSTIN DANIEL, US
[72] HUSVETH, THEODORE, US
[71] TRADEWEB MARKETS LLC, US
[85] 2023-02-24
[86] 2021-08-27 (PCT/US2021/047862)
[87] (WO2022/047103)
[30] US (63/070,918) 2020-08-27

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[21] **3,190,892**

[13] A1

- [51] Int.Cl. A01G 23/08 (2006.01)
 - [25] EN
 - [54] METHOD AND SYSTEM FOR FELLING SAWING USING A FOREST MACHINE
 - [54] PROCEDE ET SYSTEME DE SCIAGE D'ABATTAGE EN UTILISANT UNE MACHINE FORESTIERE
 - [72] UDD, JARMO, FI
 - [71] PONNSE OYJ, FI
 - [85] 2023-02-24
 - [86] 2021-08-26 (PCT/FI2021/050575)
 - [87] (WO2022/043613)
 - [30] FI (20205836) 2020-08-27
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[13] A1

- [51] Int.Cl. A61M 5/14 (2006.01) A61M 5/165 (2006.01)
 - [25] EN
 - [54] DRIP CHAMBER ASSEMBLY
 - [54] ENSEMBLE CHAMBRE DE GOUTTE-A-GOUTTE
 - [72] WOODMAN, HUNTINGTON, US
 - [72] HON, KELLY KLOSTER, US
 - [72] CALLAHAN, RYAN, US
 - [72] YAMIN, LEYLA, US
 - [71] CAREFUSION 303, INC., US
 - [85] 2023-02-24
 - [86] 2021-09-10 (PCT/US2021/049957)
 - [87] (WO2022/056322)
 - [30] US (17/018,340) 2020-09-11
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[21] **3,190,897**

[13] A1

- [51] Int.Cl. H01M 4/134 (2010.01) H01M 4/1395 (2010.01)
 - [25] EN
 - [54] HIGH PERFORMANCE SILICON-BASED MATERIALS FOR LITHIUM ION BATTERY ANODES
 - [54] MATERIAUX A BASE DE SILICIUM A HAUTES PERFORMANCES POUR ANODES DE BATTERIE AU LITHIUM-ION
 - [72] LYUBINA, JULIA, DE
 - [72] BADE, STEFAN, FR
 - [72] WIGGERS, HARTMUT, DE
 - [72] ORTHNER, HANS, DE
 - [71] EVONIK OPERATIONS GMBH, DE
 - [85] 2023-02-24
 - [86] 2021-08-25 (PCT/EP2021/073465)
 - [87] (WO2022/048962)
 - [30] EP (20194092.1) 2020-09-02
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[13] A1

- [51] Int.Cl. A61K 39/395 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01)
 - [25] EN
 - [54] DEVELOPMENT OF DRUG THERAPEUTIC AGENT CONTAINING ADAPTOR AND USE THEREOF
 - [54] DEVELOPPEMENT D'UN AGENT THERAPEUTIQUE CONTENANT UN ADAPTATEUR ET SON UTILISATION
 - [72] WANG, YING, CN
 - [72] XU, GANG, CN
 - [72] CHEN, BO, CN
 - [71] BEIJING TIANNUOJIANCHENG PHARMA TECH CO., LTD., CN
 - [85] 2023-02-24
 - [86] 2021-08-26 (PCT/CN2021/114847)
 - [87] (WO2022/042661)
 - [30] CN (202010873215.X) 2020-08-26
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 - [54] SUBSTRAT DE RETENUE DE FLUIDE
 - [72] HARDWICK, CRAIG, GB
 - [72] HIRST, TOM, GB
 - [72] ALAIZOKI, ALAA, GB
 - [72] DEGANELLO, DAVIDE, GB
 - [71] LINPAC PACKAGING LIMITED, GB
 - [85] 2023-02-24
 - [86] 2021-09-09 (PCT/EP2021/074781)
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 - [54] HEAT ENGINE
 - [54] MOTEUR THERMIQUE
 - [72] ROTSCHILD, CARMEL, IL
 - [72] CASSELL, JOSEPH, IL
 - [71] TECHNION RESEARCH & DEVELOPMENT FOUNDATION LIMITED, IL
 - [85] 2023-02-24
 - [86] 2021-08-30 (PCT/IL2021/051061)
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 - [30] US (63/074,485) 2020-09-04
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- [54] METHOD FOR PRODUCING A PAVING SLAB
- [54] DALLE DE PAVAGE, SYSTEME DE PAVAGE ET PROCEDE DE FABRICATION DE LA DALLE DE PAVAGE
- [72] HOLZENBEIN, ERNST, DE
- [71] CT-COATING AG, DE
- [85] 2023-02-24
- [86] 2021-08-24 (PCT/EP2021/073398)
- [87] (WO2022/043328)
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 - [54] COMPUTERIZED DECISION SUPPORT TOOL AND MEDICAL DEVICE FOR RESPIRATORY CONDITION MONITORING AND CARE
 - [54] OUTIL INFORMATISE D'AIDE A LA DECISION ET DISPOSITIF MEDICAL POUR LA SURVEILLANCE ET LE SOIN D'UNE MALADIE RESPIRATOIRE
 - [72] PATEL, SHYAMAL, US
 - [72] WACNIK, PAUL WILLIAM, US
 - [72] CHAPPIE, KARA, US
 - [72] MATHER, ROBERT, CA
 - [72] TRACEY, BRIAN, US
 - [72] SERRA, MARIA DEL MAR SANTAMARIA, US
 - [71] PFIZER INC., US
 - [71] PATEL, SHYAMAL, US
 - [71] WACNIK, PAUL WILLIAM, US
 - [71] CHAPPIE, KARA, US
 - [71] MATHER, ROBERT, CA
 - [71] TRACEY, BRIAN, US
 - [71] SERRA, MARIA DEL MAR SANTAMARIA, US
 - [85] 2023-02-24
 - [86] 2021-08-30 (PCT/US2021/048242)
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 - [25] EN
 - [54] MATERIAL FOR HOT STAMPING AND METHOD OF MANUFACTURING THE SAME
 - [54] MATERIAU POUR ESTAMPAGE A CHAUD ET SON PROCEDE DE PREPARATION
 - [72] SHIN, NU RI, KR
 - [72] KANG, HUN CHUL, KR
 - [72] SON, JI HEE, KR
 - [72] KIM, BYOUNG HOON, KR
 - [71] HYUNDAI STEEL COMPANY, KR
 - [85] 2023-02-24
 - [86] 2021-06-08 (PCT/KR2021/007158)
 - [87] (WO2022/050535)
 - [30] KR (10-2020-0111292) 2020-09-01
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 - [25] EN
 - [54] UNLOADING JOINT BRACE APPARATUS
 - [54] ATTELLE DE RENFORT D'ARTICULATION
 - [72] JOHNSON, DAVID T., US
 - [72] HARVEY, VICTORIA, US
 - [72] SCIRE, BEN, US
 - [72] LANDSMAN, ZACK, US
 - [71] ICARUS MEDICAL, LLC, US
 - [85] 2023-02-24
 - [86] 2020-08-26 (PCT/US2020/047904)
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 - [25] EN
 - [54] NOVEL COOLANTS WITH IMPROVED STORAGE STABILITY
 - [54] NOUVEAUX LIQUIDES DE REFROIDISSEMENT PRESENTANT UNE STABILITE AU STOCKAGE AMELIOREE
 - [72] DIETL, HARALD, DE
 - [72] SIEG, ROGER, DE
 - [72] LANG, SEBASTIAN, DE
 - [71] BASF SE, DE
 - [85] 2023-02-24
 - [86] 2021-08-24 (PCT/EP2021/073351)
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 - [25] EN
 - [54] METHOD OF MANUFACTURING A GLOVE AND A GLOVE
 - [54] PROCEDE DE FABRICATION D'UN GANT ET GANT
 - [72] LYTTINEN, SAMI, FI
 - [72] LYTTINEN, TIIA, FI
 - [71] HOFLER OY, FI
 - [85] 2023-02-24
 - [86] 2021-08-20 (PCT/FI2021/050564)
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 - [30] EP (20193029.4) 2020-08-27
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 - [25] EN
 - [54] A SYSTEM TO IMPROVE HAEMOSTATIC CONTROL
 - [54] SYSTEME POUR AMELIORER LA REGULATION HEMOSTATIQUE
 - [72] WINTHER, LARS, DK
 - [72] NIELSEN, PETER AADAL, DK
 - [72] OSTHER, KURT BÆKGAARD, DK
 - [72] VIDEBAEK, CHARLOTTE, DK
 - [71] TISSUE-LINK APS, DK
 - [85] 2023-02-24
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- [25] EN
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- [54] OXYDASES FLAVINE-DEPENDANTES AYANT UNE ACTIVITE DE SYNTHASE DES CANNABINOIDES
- [72] SCHIRMER, ANDREAS W., US
- [72] ZHANG, DEQIANG, US
- [72] HUDDLESTON, JAMISON PARKER, US
- [71] GENOMATICA, INC., US
- [85] 2023-02-24
- [86] 2021-09-01 (PCT/US2021/048698)
- [87] (WO2022/051387)
- [30] US (63/074,227) 2020-09-03
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- [25] EN
- [54] THERMAL ENERGY STORAGE AND METHOD FOR CONSTRUCTING SUCH A THERMAL ENERGY STORAGE
- [54] ACCUMULATEUR D'ENERGIE THERMIQUE ET PROCEDE DE CONSTRUCTION D'UN TEL ACCUMULATEUR D'ENERGIE THERMIQUE
- [72] LARSSON, SVEN-AKE, SE
- [72] BERGMAN, BO, SE
- [72] OLOFSSON, NILS, SE
- [72] POHJANVUORI, TIMO, SE
- [71] HYDROC ENERGY STORAGE AB, SE
- [85] 2023-02-24
- [86] 2021-08-25 (PCT/SE2021/050823)
- [87] (WO2022/045950)
- [30] SE (2050997-2) 2020-08-28

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- [25] EN
- [54] VACCINE COMPRISING AN ANTIGEN AND A TLR2 AGONIST
- [54] VACCIN COMPRENANT UN ANTIGENE ET UN AGONISTE DE TLR2
- [72] WINQVIST, OLA, SE
- [72] SJODAHL, JOHAN, SE
- [71] ISR IMMUNE SYSTEM REGULATION HOLDING AB (PUBL), SE
- [85] 2023-02-24
- [86] 2021-09-03 (PCT/EP2021/074399)
- [87] (WO2022/049260)
- [30] EP (20194425.3) 2020-09-03

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- [25] EN
- [54] AEROSOL-GENERATING DEVICE AND OPERATION METHOD THEREOF
- [54] DISPOSITIF DE GENERATION D'AEROSOL ET SON PROCEDE DE FONCTIONNEMENT
- [72] HAN, DAENAM, KR
- [72] JANG, SEOKSU, KR
- [72] LEE, SEUNGWON, KR
- [72] YOON, SUNGWOOK, KR
- [72] KIM, YONGHWAN, KR
- [71] KT&G CORPORATION, KR
- [85] 2023-02-24
- [86] 2021-11-05 (PCT/KR2021/016009)
- [87] (WO2022/103083)
- [30] KR (10-2020-0149978) 2020-11-11

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- [51] Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01)
- [25] EN
- [54] USE OF ANTI-PD-1 ANTIBODY IN TREATMENT OF NASOPHARYNGEAL CARCINOMA
- [54] UTILISATION D'UN ANTICORPS ANTI-PD-1 DANS LE TRAITEMENT DU CARCINOME NASOPHARYNGE
- [72] YAO, SHENG, CN
- [72] FENG, HUI, CN
- [71] SHANGHAI JUNSHI BIOSCIENCES CO., LTD., CN
- [85] 2023-02-24
- [86] 2021-08-26 (PCT/CN2021/114668)
- [87] (WO2022/042626)
- [30] CN (202010879644.8) 2020-08-27
- [30] CN (202110343389.X) 2021-03-30
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- [51] Int.Cl. C09K 5/10 (2006.01) H01M 10/60 (2014.01)
- [25] EN
- [54] NOVEL COOLANT WITH LOW ELECTRICAL CONDUCTIVITY
- [54] NOUVEAU REFRIGERANT A FAIBLE CONDUCTIVITE ELECTRIQUE
- [72] HIROSUE, MASAYUKI, DE
- [72] MALKOWSKY, ITAMAR MICHAEL, DE
- [72] NITZSCHKE, UWE, DE
- [72] SCHINDLER, NINA, DE
- [72] DIETL, HARALD, DE
- [71] BASF SE, DE
- [85] 2023-02-24
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- [87] (WO2022/043303)
- [30] EP (20192954.4) 2020-08-26

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- [51] Int.Cl. G06T 5/50 (2006.01)
- [25] EN
- [54] INFORMATION DISPLAY METHOD, DEVICE AND STORAGE MEDIUM
- [54] PROCEDE ET DISPOSITIF D'AFFICHAGE D'INFORMATIONS ET SUPPORT DE STOCKAGE
- [72] YE, CHUNMEI, CN
- [72] HUANG, JIABIN, CN
- [72] WANG, YITONG, CN
- [71] BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD., CN
- [85] 2023-02-24
- [86] 2021-08-26 (PCT/CN2021/114665)
- [87] (WO2022/042624)
- [30] CN (202010874067.3) 2020-08-26

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- [51] Int.Cl. F16D 65/16 (2006.01)
- [25] EN
- [54] BRAKE DEVICE
- [54] DISPOSITIF FREIN
- [72] PUTZ, MICHAEL, AT
- [72] ZIPPER, THOMAS, AT
- [71] STOP-IN-TIME GMBH, AT
- [85] 2023-02-24
- [86] 2021-08-24 (PCT/AT2021/060294)
- [87] (WO2022/040713)
- [30] AT (A60260/2020) 2020-08-24
- [30] AT (A60363/2020) 2020-12-08
- [30] AT (A60191/2021) 2021-07-14

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 - [25] EN
 - [54] CRYSTALLINE FORMS OF A KRAS G12C INHIBITOR
 - [54] FORMES CRISTALLINES D'UN INHIBITEUR DE KRAS G12C
 - [72] ANDRES, PATRICIA, US
 - [72] ANDREW, SAMUEL, GB
 - [72] CHEN, CHENG YI, US
 - [72] GANCEDO, SUSANA DEL RIO, GB
 - [72] GHARBAOUI, TAWFIK, US
 - [72] NELSON, JENNIFER, US
 - [71] MIRATI THERAPEUTICS, INC., US
 - [85] 2023-02-25
 - [86] 2021-09-10 (PCT/US2021/049940)
 - [87] (WO2022/056307)
 - [30] US (63/077,553) 2020-09-11
 - [30] US (63/093,673) 2020-10-19
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- [25] EN
- [54] SYSTEMS, METHODS, AND COMPOSITIONS FOR RNA-GUIDED RNA-TARGETING CRISPR EFFECTORS
- [54] SYSTEMES, PROCEDES ET COMPOSITIONS POUR EFFECTEURS CRISPR CIBLANT L'ARN GUIDES PAR ARN
- [72] ABUDAYYEH, OMAR, US
- [72] GOOTENBERG, JONATHAN, US
- [71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
- [85] 2023-02-27
- [86] 2021-07-01 (PCT/US2021/040160)
- [87] (WO2022/051020)
- [30] US (63/073,898) 2020-09-02
- [30] US (63/208,606) 2021-06-09

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 - [25] EN
 - [54] PREPARING POLYESTER COMPRISING 2,5-FURANDICARBOXYLATE UNITS WITH GERMANIUM CATALYST
 - [54] PREPARATION DE POLYESTER COMPRENANT DES UNITES 2,5-FURANEDICARBOXYLATE AVEC UN CATALYSEUR AU GERMANIUM
 - [72] DAM, MATHEUS ADRIANUS, NL
 - [72] WANG, BING, NL
 - [72] ELFEKI, HENDAWY, NL
 - [71] FURANIX TECHNOLOGIES B.V., NL
 - [85] 2023-02-27
 - [86] 2021-08-27 (PCT/EP2021/073750)
 - [87] (WO2022/043501)
 - [30] EP (20193190.4) 2020-08-27
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- [51] Int.Cl. G06Q 50/20 (2012.01) G06Q 10/06 (2023.01) G09B 7/02 (2006.01)
- [25] EN
- [54] METHOD AND SYSTEM FOR PROCESSING ELECTRONIC RESOURCES TO DETERMINE QUALITY
- [54] PROCEDE ET SYSTEME DE TRAITEMENT DE RESSOURCES ELECTRONIQUES POUR DETERMINER LA QUALITE
- [72] KHOSRAVI, HASSAN, AU
- [72] JOSEPH, NICHOLAS ALEXANDER, AU
- [71] THE UNIVERSITY OF QUEENSLAND, AU
- [85] 2023-02-27
- [86] 2021-09-03 (PCT/AU2021/051025)
- [87] (WO2022/047541)
- [30] AU (2020903176) 2020-09-04

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- [51] Int.Cl. H01L 31/107 (2006.01) H01L 31/0352 (2006.01)
 - [25] EN
 - [54] MESA AVALANCHE PHOTODIODE WITH SIDEWALL PASSIVATION
 - [54] PHOTODIODE A AVALANCHE MESA AVEC PASSIVATION DE PAROI LATÉRALE
 - [72] PITTS, OLIVER JAMES, CA
 - [72] WALKER, ALEXANDRE W., CA
 - [71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
 - [85] 2023-02-27
 - [86] 2021-08-27 (PCT/IB2021/057879)
 - [87] (WO2022/043944)
 - [30] US (63/071,533) 2020-08-28
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- [51] Int.Cl. H01M 50/116 (2021.01) H01M 50/119 (2021.01)
- [25] EN
- [54] SAFELY INGESTIBLE BATTERIES THAT RAPIDLY DEACTIVATE IN BIOLOGICAL ENVIRONMENTS AND METHODS OF MAKING SAME
- [54] PILES INGERABLES SANS DANGER SE DESACTIVANT RAPIDEMENT DANS DES ENVIRONNEMENTS BIOLOGIQUES, ET LEURS PROCEDES DE FABRICATION
- [72] LAULICHT, BRYAN, US
- [72] MYERBERG, JONAH, US
- [72] VASUDEVAN, RAVIKUMAR, US
- [72] KELLY, ZACHARY, US
- [71] FENWOOD LABS INC., US
- [85] 2023-02-27
- [86] 2021-08-24 (PCT/US2021/047379)
- [87] (WO2022/046791)
- [30] US (63/070,623) 2020-08-26

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<p>[21] 3,191,023 [13] A1</p> <p>[51] Int.Cl. C12N 1/00 (2006.01) C12P 21/02 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR REMOVING ANTIFOAMING AGENTS FROM A FERMENTATION BROTH</p> <p>[54] PROCEDE POUR ELIMINER DES AGENTS ANTIMOUSSE A PARTIR D'UN BOUILLON DE FERMENTATION</p> <p>[72] SCHOOF, SEBASTIAN, DE</p> <p>[72] KAEDING, THOMAS, DE</p> <p>[72] MUENKEL, RONJA, DE</p> <p>[71] BASF SE, DE</p> <p>[85] 2023-02-27</p> <p>[86] 2021-09-03 (PCT/EP2021/074332)</p> <p>[87] (WO2022/049228)</p> <p>[30] EP (20194676.1) 2020-09-04</p>
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<p>[21] 3,191,033 [13] A1</p> <p>[51] Int.Cl. C07D 401/14 (2006.01) C07D 409/14 (2006.01) C07D 413/14 (2006.01)</p> <p>[25] EN</p> <p>[54] SALT OF RHO-ASSOCIATED PROTEIN KINASE INHIBITOR, SOLID FORM OF THE SALT, PREPARATION METHOD FOR SAME, AND USES THEREOF</p> <p>[54] SEL D'INHIBITEUR DE PROTEINE KINASE ASSOCIEE A RHO, FORME SOLIDE DU SEL, SON PROCEDE DE PREPARATION ET SES UTILISATIONS</p> <p>[72] ZHAO, YANPING, CN</p> <p>[72] WANG, HONGJUN, CN</p> <p>[72] FENG, ZEWANG, CN</p> <p>[72] TIAN, NANA, CN</p> <p>[72] WEI, LAI, CN</p> <p>[72] CAO, XIANGRONG, CN</p> <p>[72] CHEN, JIE, CN</p> <p>[71] BEIJING TIDE PHARMACEUTICAL CO., LTD., CN</p> <p>[85] 2023-02-27</p> <p>[86] 2021-08-30 (PCT/CN2021/115198)</p> <p>[87] (WO2022/042712)</p> <p>[30] CN (PCT/CN2020/112500) 2020-08-31</p>
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<p>[21] 3,191,034 [13] A1</p> <p>[51] Int.Cl. H01M 4/66 (2006.01)</p> <p>[25] EN</p> <p>[54] ELECTRODE PLATE AND LITHIUM-ION BATTERY</p> <p>[54] PLAQUE D'ELECTRODE ET BATTERIE AU LITHIUM-ION</p> <p>[72] MEI, RIGUO, CN</p> <p>[72] CHANG, XIAOYA, CN</p> <p>[72] LIU, ZHENGJIAO, CN</p> <p>[72] WU, ZIWEN, CN</p> <p>[72] PAN, YI, CN</p> <p>[71] BYD COMPANY LIMITED, CN</p> <p>[85] 2023-02-27</p> <p>[86] 2021-08-27 (PCT/CN2021/114867)</p> <p>[87] (WO2022/042665)</p> <p>[30] CN (202010879566.1) 2020-08-27</p>
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 - [25] EN
 - [54] COMPOSITION FOR IMPROVING INSULIN SENSITIVITY, CONTAINING GENTIANA TRIFLORAL PALLAS EXTRACT
 - [54] COMPOSITION POUR AMELIORER LA SENSIBILITE A L'INSULINE, CONTENANT UN EXTRAIT DE GENTIANA TRIFLORAL PALLAS
 - [72] SOHN, MI WON, KR
 - [72] KIM, SINYEON, KR
 - [72] CHOI, JIN GYU, KR
 - [72] KIM, SE WOONG, KR
 - [72] PARK, SANG CHEOL, KR
 - [72] CHOI, JI SEON, KR
 - [72] LEE, JIN SU, KR
 - [71] MTHERA PHARMA CO., LTD., KR
 - [71] APHARMA, KR
 - [85] 2023-02-27
 - [86] 2021-08-27 (PCT/KR2021/011530)
 - [87] (WO2022/045834)
 - [30] KR (10-2020-0109373) 2020-08-28
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[13] A1

- [51] Int.Cl. H01M 50/531 (2021.01)
- [25] EN
- [54] CELL, BATTERY, AND BATTERY PACK
- [54] CELLULE, BATTERIE ET BLOC-BATTERIE
- [72] WANG, XINYUE, CN
- [72] DUAN, PINGAN, CN
- [72] CHENG, HAN, CN
- [71] BYD COMPANY LIMITED, CN
- [85] 2023-02-27
- [86] 2021-08-23 (PCT/CN2021/114102)
- [87] (WO2022/042493)
- [30] CN (202010898785.4) 2020-08-31

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[13] A1

- [51] Int.Cl. C25B 9/15 (2021.01) C01B 11/04 (2006.01) C25B 1/26 (2006.01) C25B 15/08 (2006.01)
 - [25] EN
 - [54] APPARATUS AND METHOD FOR THE ELECTROLYTIC PRODUCTION OF HYPOCHLOROUS ACID
 - [54] APPAREIL ET PROCEDE POUR LA PRODUCTION ELECTROLYTIQUE D'ACIDE HYPOCHLOREUX
 - [72] BEN SALAH, IHSEN, CA
 - [72] LAAROUSSI, MOHAMED, CA
 - [71] GROUPE OXWELL INC., CA
 - [85] 2023-02-27
 - [86] 2021-09-08 (PCT/CA2021/051198)
 - [87] (3191040)
 - [30] CA (3,091,549) 2020-08-31
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- [51] Int.Cl. A61L 27/36 (2006.01) A61L 27/54 (2006.01)
- [25] EN
- [54] NERVE GRAFTS AND METHODS OF PREPARATION THEREOF
- [54] GREFFES NERVEUSES ET LEURS PROCEDES DE PREPARATION
- [72] FALERIS, JENNIFER, US
- [72] TAJDARAN, KASRA, US
- [71] AXOGEN CORPORATION, US
- [85] 2023-02-27
- [86] 2021-08-27 (PCT/US2021/047838)
- [87] (WO2022/047089)
- [30] US (63/071,635) 2020-08-28
- [30] US (17/411,718) 2021-08-25

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[13] A1

- [51] Int.Cl. B32B 5/02 (2006.01) B32B 7/12 (2006.01) B32B 27/08 (2006.01) B32B 27/12 (2006.01) B32B 27/30 (2006.01) D06N 7/00 (2006.01)
 - [25] EN
 - [54] METHOD FOR PRODUCING ARTIFICIAL TURF
 - [54] PROCEDE DE PRODUCTION DE GAZON ARTIFICIEL
 - [72] BERGHAUS, ULRICH, DE
 - [72] RANDALL, GREGORY T., US
 - [72] MORTON-FINGER, JURGEN, DE
 - [72] HANUSCHIK, DIRK, DE
 - [71] TARKETT INC., CA
 - [71] BERGHAUS, ULRICH, DE
 - [71] RANDALL, GREGORY T., US
 - [71] MORTON-FINGER, JURGEN, DE
 - [71] HANUSCHIK, DIRK, DE
 - [85] 2023-02-27
 - [86] 2021-08-20 (PCT/EP2021/073204)
 - [87] (WO2022/043231)
 - [30] EP (20192846.2) 2020-08-26
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[13] A1

- [51] Int.Cl. C12N 15/11 (2006.01)
- [25] EN
- [54] ENHANCED EXPANSION AND CYTOTOXICITY OF ENGINEERED NATURAL KILLER CELLS AND USES THEREOF
- [54] EXPANSION ET CYTOTOXICITE AMELIOREEES DE CELLULES TUEUSES NATURELLES MODIFIEEES ET UTILISATIONS ASSOCIEEES
- [72] TRAGER, JAMES BARNABY, US
- [72] LAZETIC, ALEXANDRA LEIDA LIANA, US
- [72] JAMBORETZ, KATHERINE, US
- [72] RAHMAN, MUHAMMAD NAFEESUR, US
- [71] NKARTA, INC., US
- [85] 2023-02-27
- [86] 2021-08-31 (PCT/US2021/071330)
- [87] (WO2022/051749)
- [30] US (63/073,671) 2020-09-02

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[13] A1

- [51] Int.Cl. H05H 1/34 (2006.01)
 - [25] EN
 - [54] SYSTEMS, METHODS, AND DEVICES FOR GENERATING PREDOMINANTLY RADIALLY EXPANDED PLASMA FLOW
 - [54] SYSTEMES, PROCEDES ET DISPOSITIFS POUR GENERER UN FLUX DE PLASMA ETENDU PRINCIPALEMENT RADIALEMENT
 - [72] SUSLOV, NIKOLAY, US
 - [71] PLASMA SURGICAL INVESTMENTS LIMITED, VG
 - [85] 2023-02-27
 - [86] 2021-08-27 (PCT/US2021/048052)
 - [87] (WO2022/047227)
 - [30] US (63/071,787) 2020-08-28
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- [51] Int.Cl. A61B 17/128 (2006.01)
- [25] EN
- [54] MULTICLIP ADAPTOR FOR SURGICAL CLIP DRIVERS
- [54] ADAPTATEUR MULTI-AGRAFES POUR DISPOSITIFS D'ENTRAINEMENT D'AGRAFES CHIRURGICALES
- [72] LUO, YIGANG, CA
- [72] ZHANG, WEN JUN, CA
- [72] DU, SHAOQING, CA
- [72] BIGSBY, ROBERT, CA
- [72] RUSCHEINSKY, STEPHANIE, CA
- [72] YUAN, CHENWANG, CA
- [71] UNIVERSITY OF SASKATCHEWAN, CA
- [85] 2023-02-27
- [86] 2021-08-31 (PCT/CA2021/051202)
- [87] (WO2022/040816)
- [30] US (63/072,524) 2020-08-31

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- [51] Int.Cl. G06Q 50/02 (2012.01)
 - [25] EN
 - [54] NOZZLE SPECIFIC SPRAY APPLICATION MONITORING
 - [54] SURVEILLANCE D'APPLICATION DE PULVERISATION SPECIFIQUE A UNE BUSE
 - [72] TELGMANN, STEFFEN, DE
 - [71] BASF AGRO TRADEMARKS GMBH, DE
 - [85] 2023-02-27
 - [86] 2021-08-27 (PCT/EP2021/073774)
 - [87] (WO2022/043511)
 - [30] EP (20193658.0) 2020-08-31
 - [30] EP (20203513.0) 2020-10-23
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- [51] Int.Cl. B65G 1/04 (2006.01)
 - [25] EN
 - [54] ELEVATOR AND RACK SYSTEM
 - [54] ASCENSEUR ET SYSTEME DE RAYONNAGE
 - [72] VENT, FLORIAN, DE
 - [71] ROCKET SOLUTION GMBH, DE
 - [85] 2023-02-27
 - [86] 2021-08-23 (PCT/EP2021/073306)
 - [87] (WO2022/043278)
 - [30] DE (10 2020 122 391.9) 2020-08-27
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- [51] Int.Cl. B65G 53/00 (2006.01) E21B 49/00 (2006.01) E21C 35/20 (2006.01) E21D 9/00 (2006.01) E21D 9/06 (2006.01) E21D 9/10 (2006.01)
- [25] EN
- [54] APPARATUS AND METHOD FOR EXCAVATING A TUNNEL
- [54] SYSTEME ET PROCEDE POUR ENTRAINER UN TUNNEL
- [72] WEHRMEYER, GERHARD, DE
- [72] MOLLER, LINUS, DE
- [72] BURGER, WERNER, DE
- [72] KASSEL, ANDREAS, DE
- [71] HERRENKNECHT AKTIENGESELLSCHAFT, DE
- [85] 2023-02-27
- [86] 2021-12-03 (PCT/EP2021/084156)
- [87] (WO2022/128532)
- [30] DE (10 2020 133 386.2) 2020-12-14

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- [51] Int.Cl. C11D 1/02 (2006.01) C11D 1/66 (2006.01) C11D 3/30 (2006.01) C11D 3/37 (2006.01)
 - [25] EN
 - [54] LAUNDRY DETERGENT COMPOSITION CONTAINING DYE FIXATIVE AND LINEAR ALKYLBENZENE SULFONATE
 - [54] COMPOSITION DE DETERGENT A LESSIVE CONTENANT UN FIXATEUR DE TEINTURE ET UN SULFONATE D'ALKYLBENZENE LINEAIRE
 - [72] TANG, MING, CN
 - [72] QIN, PENG, CN
 - [72] GAO, QIAN, CN
 - [71] THE PROCTER & GAMBLE COMPANY, US
 - [85] 2023-02-27
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 - [87] (WO2022/061889)
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- [25] EN
- [54] PEPTIDE INHIBITORS OF NF KAPPA B AND USE THEREOF IN TREATMENT OF COVID-19 AND INFLAMMATORY DISEASES
- [54] INHIBITEURS PEPTIDIQUES DE NF KAPPA B ET LEUR UTILISATION DANS LE TRAITEMENT DE LA COVID-19 ET DE MALADIES INFLAMMATOIRES
- [72] BHATNAGAR, RAJENDRA SAHAI, US
- [71] BHATNAGAR, RAJENDRA SAHAI, US
- [85] 2023-02-27
- [86] 2021-08-27 (PCT/US2021/048049)
- [87] (WO2022/047225)
- [30] US (63/072,025) 2020-08-28

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- [25] EN
- [54] ADJUSTABLE ARMREST FOR WHEELCHAIR
- [54] ACCOUDOIR REGLABLE POUR FAUTEUIL ROULANT
- [72] WITLOX, WESSEL EVERET, CA
- [72] SAYRE, JEAN MARIE, US
- [72] XIE, MATTHEW YU SONG, CA
- [72] RUMFELS, GILLES ALAIN MARTIN GRANT, CA
- [72] DOLICHNYI, NAZAR, CA
- [71] PRIDE MOBILITY PRODUCTS CORPORATION, US
- [85] 2023-02-27
- [86] 2021-08-27 (PCT/US2021/047953)
- [87] (WO2022/047157)
- [30] US (63/071,216) 2020-08-27

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- [25] EN
- [54] TRIAZINE COMPOUND SALT, CRYSTAL FORM THEREOF, AND PRODUCTION METHOD THEREFOR
- [54] SEL DE COMPOSE TRIAZINE, FORME CRISTALLINE DE CELUI-CI ET SON PROCEDE DE PRODUCTION
- [72] YAMAGAMI, TAKAFUMI, JP
- [72] SETSUTA, TOMOFUMI, JP
- [72] SUGIURA, YOSHIHIRO, JP
- [72] UEDA, NAOKO, JP
- [71] MITSUBISHI TANABE PHARMA CORPORATION, JP
- [85] 2023-02-27
- [86] 2021-09-15 (PCT/JP2021/033901)
- [87] (WO2022/059700)
- [30] JP (2020-154875) 2020-09-15

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- [25] EN
- [54] PROJECTION MEDIA THREE-DIMENSIONAL SIMULATION AND EXTRUSION
- [54] SIMULATION TRIDIMENSIONNELLE DE SUPPORT DE PROJECTION ET EXTRUSION
- [72] MECCA, ANTHONY A., US
- [71] UNIVERSAL CITY STUDIOS LLC, US
- [85] 2023-02-27
- [86] 2021-09-20 (PCT/US2021/051059)
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- [30] US (63/082,731) 2020-09-24
- [30] US (17/469,545) 2021-09-08

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- [25] EN
- [54] METHOD AND SYSTEM TO ASCERTAIN LOCATION OF DRONE BOX FOR STABILIZED LANDING AND CHARGING OF DRONE
- [54] PROCEDE ET SYSTEME POUR DETERMINER L'EMPLACEMENT D'UN BOITIER DE DRONE EN VUE D'UN ATERRISSAGE ET D'UN CHARGEMENT STABILISES D'UN DRONE
- [72] SHAH, CHIRAG, IN
- [72] PATIL, SAURABH, IN
- [72] BABBAR, MRIDUL, IN
- [72] DANG, LAKSHAY, IN
- [72] SINGH, VISHAL VEER, IN
- [71] SAGAR DEFENCE ENGINEERING PRIVATE LIMITED, IN
- [85] 2023-02-27
- [86] 2021-08-07 (PCT/IN2021/050756)
- [87] (WO2022/162682)
- [30] IN (202123004263) 2021-02-01

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- [25] EN
- [54] FORMULATIONS FOR REDUCING HAIR LOSS AND/OR INCREASING HAIR REGROWTH
- [54] FORMULATIONS PERMETTANT DE REDUIRE LA CHUTE DES CHEVEUX ET/OU D'AUGMENTER LA REPOUSSE DES CHEVEUX
- [72] ASOTRA, SATISH, CA
- [72] SEKHAVAT, HOUFAR, CA
- [71] TRIPLE HAIR INC., CA
- [85] 2023-02-27
- [86] 2021-08-27 (PCT/CA2021/051191)
- [87] (WO2022/040807)
- [30] CA (3,091,554) 2020-08-28

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- [25] EN
- [54] PROCESS FOR INDUSTRIAL EXTRACTION OF COLD-PRESSED KERNEL OIL AND PROTEIN CONCENTRATE FROM HULLED OIL-CONTAINING SEEDS USING A PRESSING AID INTRINSIC TO THE SEED
- [54] PROCEDE D'EXTRACTION INDUSTRIELLE D'HUILE DE NOYAU PRESSEE A FROID ET CONCENTRE DE PROTEINES ISSU DE GRAINES CONTENANT DE L'HUILE DECORTIQUEE A L'AIDE D'UN AUXILIAIRE DE PRESSION INTRINSEQUE A LA GRAIN
- [72] NEUMULLER, WALDEMAR, DE
- [71] EURO-PROTEIN GMBH, DE
- [85] 2023-02-27
- [86] 2021-08-23 (PCT/EP2021/073243)
- [87] (WO2022/043248)
- [30] DE (10 2020 122 456.7) 2020-08-27

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[25] EN
[54] METHOD AND PRODUCT FOR A CUSTOMIZED 3D PRINTED NIPPLE FOR BREASTFEEDING MOTHERS
[54] PROCEDE ET PRODUIT POUR UN MAMELON IMPRIME EN 3D PERSONNALISE POUR DES MERES ALLAITANTES
[72] ZEEV, SHILO BEN, US
[71] PROXAMAMA LLC, US
[85] 2023-02-27
[86] 2021-08-31 (PCT/US2021/048453)
[87] (WO2022/047383)
[30] US (63/072,409) 2020-08-31
[30] US (63/214,590) 2021-06-24

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[51] Int.Cl. A61K 35/28 (2015.01) A61K 35/17 (2015.01)
[25] EN
[54] CELLULAR COMPOSITION FOR TREATMENT OF DISEASES, DISORDERS OR CONDITIONS AND METHOD OF USE
[54] COMPOSITION CELLULAIRE POUR LE TRAITEMENT DE MALADIES, DE TROUBLES OU D'ETATS ET PROCEDE D'UTILISATION
[72] GUY, YAACOV, IL
[71] YZTHERAPEUTIC PERFORMANCE LTD., IL
[85] 2023-02-27
[86] 2021-08-31 (PCT/IL2021/051064)
[87] (WO2022/049574)
[30] US (63/073,792) 2020-09-02

[21] 3,191,074 [13] A1
[51] Int.Cl. B32B 18/00 (2006.01) B32B 37/12 (2006.01) B32B 37/16 (2006.01)
[25] EN
[54] HYBRID STRUCTURAL POLYMER-BINDER COMPOSITE CONSTRUCTION AND PAVING MATERIAL
[54] CONSTRUCTION STRUCTURALE COMPOSITE HYBRIDE POLYMERIQUE-LIANT ET MATERIAU DE PAVAGE
[72] BEEMAN, GARY, US
[72] LACROIX, ANDREW, US
[72] RUSSELL, DONALD, US
[72] YONKER, MICHAEL, US
[72] BEEMAN, MARK D., US
[71] NEW VILLAGE INITIATIVE LLC, US
[85] 2023-02-27
[86] 2021-08-31 (PCT/US2021/048562)
[87] (WO2022/047428)
[30] US (63/072,303) 2020-08-31

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[51] Int.Cl. B22F 9/04 (2006.01) B22F 9/20 (2006.01) C22B 34/10 (2006.01)
[25] EN
[54] METHOD FOR PRODUCING ALLOY POWDERS BASED ON TITANIUM METAL
[54] PROCEDE DE PRODUCTION DE POUDRES D'ALLIAGE A BASE DE TITANE METALLIQUE
[72] BRODSKY, ANDRIY, UA
[72] TROSHCHYLO, VIKTOR, UA
[72] GONCHAR, ANDRII, UA
[72] CHUKHMANOV, OLEKSANDR, UA
[72] ROMANOV, ROMAN, UA
[71] VELTA HOLDING US INC, US
[71] RD TITAN GROUP, TOV, UA
[85] 2023-02-27
[86] 2021-08-18 (PCT/UA2021/000068)
[87] (WO2022/046020)
[30] US (17/005,986) 2020-08-28

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[51] Int.Cl. C07C 271/16 (2006.01) A61K 31/03 (2006.01) A61K 31/047 (2006.01) A61K 31/216 (2006.01) A61P 25/28 (2006.01) C07C 271/14 (2006.01)
[25] EN
[54] PHENYL ALKYL CARBAMATE COMPOUNDS FOR USE IN PREVENTING OR TREATING NEURODEGENERATIVE DISEASE
[54] COMPOSES CARBAMATE DE PHENYLE ALKYLE DESTINES A ETRE UTILISES DANS LA PREVENTION OU LE TRAITEMENT D'UNE MALADIE NEURODEGENERATIVE
[72] CHOI, YONG MOON, US
[71] BIO-PHARM SOLUTIONS CO., LTD., KR
[85] 2023-02-27
[86] 2021-08-27 (PCT/KR2021/011508)
[87] (WO2022/045824)
[30] US (63/072,855) 2020-08-31

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[51] Int.Cl. A23J 1/14 (2006.01) A23K 10/30 (2016.01) A23K 20/147 (2016.01) A23K 50/80 (2016.01) A23L 5/20 (2016.01) A23L 33/185 (2016.01) A23J 3/14 (2006.01)
[25] EN
[54] A SUNFLOWER SEED PROTEIN CONCENTRATE AND PROCESS FOR THE PRODUCTION THEREOF
[54] CONCENTRE DE PROTEINES DE GRAINES DE TOURNESOL ET PROCEDE DE PRODUCTION ASSOCIE
[72] GALET, OLIVIER, FR
[72] NDIAYE, MBALO, FR
[72] BIANEIS, MARINE, FR
[71] AVRIL, FR
[85] 2023-02-27
[86] 2021-09-17 (PCT/EP2021/075724)
[87] (WO2022/058566)
[30] EP (20306045.4) 2020-09-17

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[51] Int.Cl. A24F 7/02 (2006.01) A61M 15/00 (2006.01) A61M 15/06 (2006.01)
[25] EN
[54] INHALER SYSTEM WITH OFFSET PIERCING
[54] SYSTEME D'INHALATEUR AVEC PERCAGE DECALE
[72] DAYIOGLU, ONUR, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2023-02-27
[86] 2021-12-09 (PCT/IB2021/061517)
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[30] EP (20213324.5) 2020-12-11

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[51] Int.Cl. G02B 3/14 (2006.01)

[25] EN

[54] REDUCING EFFECTS CAUSED BY FORMATION OF MULTIPLE FOCI IN A DEFORMABLE LENS DURING CHANGES OF APPLANATION OF SURFACES THEREOF

[54] REDUCTION DES EFFETS PROVOQUES PAR LA FORMATION DE MULTIPLES FOYERS DANS UNE LENTILLE DEFORMABLE PENDANT DES CHANGEMENTS D'APLANATION DE SURFACES DE CELLE-CI

[72] MCCAFFERTY, SEAN J., US

[71] CONEXUS LENS, INC., US

[85] 2023-02-27

[86] 2022-01-20 (PCT/US2022/013097)

[87] (WO2022/159561)

[30] US (63/140,195) 2021-01-21

[30] US (63/196,327) 2021-06-03

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[13] A1

[51] Int.Cl. G06N 5/04 (2023.01) G06N 99/00 (2019.01)

[25] EN

[54] EVOLUTIONARY ANALYSIS OF AN IDENTITY GRAPH DATA STRUCTURE

[54] ANALYSE EVOLUTIVE D'UNE STRUCTURE DE DONNEES DE GRAPHE D'IDENTITE

[72] COLLINS, DWAYNE W., US

[72] MARUPALLY, PAVAN ROY, US

[71] LIVERAMP, INC., US

[85] 2023-02-27

[86] 2021-08-11 (PCT/US2021/045580)

[87] (WO2022/046417)

[30] US (63/070,911) 2020-08-27

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[51] Int.Cl. C07C 323/60 (2006.01) A61K 31/10 (2006.01) A61K 31/4184 (2006.01) A61P 31/04 (2006.01) C07D 213/74 (2006.01) C07D 235/30 (2006.01) C07D 277/46 (2006.01) C07D 277/82 (2006.01) C07D 333/36 (2006.01) C07F 9/38 (2006.01) C07F 9/40 (2006.01)

[25] EN

[54] INHIBITORS OF PSEUDOMONAS AERUGINOSA VIRULENCE FACTOR LASB

[54] INHIBITEURS DU FACTEUR DE VIRULENCE DE LASB DE PSEUDOMONAS AERUGINOSA

[72] DUCHO, CHRISTIAN, DE

[72] HARTMANN, ROLF W., DE

[72] HAUPENTHAL, JORG, DE

[72] HIRSCH, ANNA K. H., DE

[72] KANY, ANDREAS, DE

[72] KAYA, CANSU, DE

[72] KONSTANTINOVIC, JELENA, DE

[72] VOOS, KATRIN, DE

[72] WALTER, ISABELL, DE

[72] YAHIAOUI, SAMIR, DE

[72] ABDELSAMINE, AHMED SAAD, DE

[72] SCHUTZ, CHRISTIAN, DE

[72] JUMDE, RAVINDRA, DE

[72] KIEFER, ALEXANDER, DE

[71] HELMHOLTZ-ZENTRUM FUR INFektionsforschung GMBH, DE

[71] UNIVERSITAT DES SAARLANDES, DE

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[87] (WO2022/043322)

[30] EP (20192608.6) 2020-08-25

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[13] A1

[51] Int.Cl. A61G 5/10 (2006.01)

[25] EN

[54] CASTER ANGLE ADJUSTER

[54] DISPOSITIF DE REGLAGE D'UN ANGLE DE ROULETTE

[72] WITLOX, WESSEL EVERET, CA

[72] XIE, MATTHEW YU SONG, CA

[72] DOLICHNYI, NAZAR, CA

[71] PRIDE MOBILITY PRODUCTS CORPORATION, US

[85] 2023-02-27

[86] 2021-08-27 (PCT/US2021/047961)

[87] (WO2022/047162)

[30] US (63/071,213) 2020-08-27

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[51] Int.Cl. C08G 63/86 (2006.01) C08G 63/181 (2006.01) C08G 63/672 (2006.01) C08G 63/80 (2006.01) C08G 63/88 (2006.01)

[25] EN

[54] PROCESS FOR PRODUCING POLYESTER COMPRISING 2,5-FURANDICARBOXYLATE UNITS

[54] PROCEDE DE PRODUCTION D'UN POLYESTER COMPRENANT DES MOTIFS 2,5-FURANEDICARBOXYLATE

[72] DAM, MATHEUS ADRIANUS, NL

[72] WANG, BING, NL

[72] ELFEKI, HENDAWY, NL

[71] FURANIX TECHNOLOGIES B.V., NL

[85] 2023-02-27

[86] 2021-08-27 (PCT/EP2021/073749)

[87] (WO2022/043500)

[30] EP (20193190.4) 2020-08-27

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[51] Int.Cl. C07D 317/18 (2006.01) C07D 317/72 (2006.01)

[25] EN

[54] SULFAMATE DERIVATIVE COMPOUNDS FOR USE IN TREATING OR ALLEVIATING A PSYCHIATRIC DISORDER

[54] COMPOSES DE DERIVE DE SULFAMATE DESTINES A ETRE UTILISES POUR TRAITER OU SOULAGER UN TROUBLE PSYCHIATRIQUE

[72] CHOI, YONG MOON, US

[71] BIO-PHARM SOLUTIONS CO., LTD., KR

[85] 2023-02-27

[86] 2020-09-10 (PCT/KR2020/012237)

[87] (WO2022/054987)

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 - [25] EN
 - [54] NOVEL FORMS OF ANTIVIRAL NUCLEOSIDES
 - [54] NOUVELLES FORMES DE NUCLEOSIDES ANTIVIRAUX
 - [72] BOTHE, JAMESON R., US
 - [72] BRUNSKILL, ANDREW PATRICK JUDE, US
 - [72] LOCKWOOD, MARK, US
 - [72] NEWMAN, JUSTIN ALLEN, US
 - [72] SAINDANE, MANOHAR T., US
 - [71] EMORY UNIVERSITY, US
 - [71] MERCK SHARP & DOHME LLC, US
 - [85] 2023-02-27
 - [86] 2021-08-27 (PCT/US2021/048054)
 - [87] (WO2022/047229)
 - [30] US (63/071,132) 2020-08-27
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- [25] EN
- [54] FORMULATIONS OF A SOMATOSTATIN MODULATOR
- [54] FORMULATIONS D'UN MODULATEUR DE SOMATOSTATINE
- [72] BURKE, GERALD, US
- [72] YATES, IAN, US
- [72] BULOVSKY, HANNAH, US
- [72] KYBURZ, KYLE, US
- [72] TYLER, CLAYTON, US
- [71] CRINETICS PHARMACEUTICALS, INC., US
- [85] 2023-02-27
- [86] 2021-09-07 (PCT/US2021/049282)
- [87] (WO2022/055880)
- [30] US (63/076,024) 2020-09-09

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[13] A1

- [51] Int.Cl. G01N 15/02 (2006.01) G01N 21/85 (2006.01) G01N 33/02 (2006.01)
 - [25] EN
 - [54] CROP MANAGEMENT
 - [54] GESTION DE RECOLTE
 - [72] MARBACH, RALF, FI
 - [71] GRAINSENSE OY, FI
 - [85] 2023-02-27
 - [86] 2021-07-30 (PCT/FI2021/050542)
 - [87] (WO2022/043603)
 - [30] FI (20205829) 2020-08-25
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- [25] EN
- [54] USE OF NRG-1BETA1 FOR DETECTION AND/OR TREATMENT OF MULTIPLE SCLEROSIS

- [54] UTILISATION DE NRG-1BETA1 POUR LA DETECTION ET/OU LE TRAITEMENT DE LA SCLEROSE EN PLAQUES

- [72] KATARIA, HARDEEP, CA
- [72] KARIMI-ABDOLREZAE, SOHEILA, CA
- [71] UNIVERSITY OF MANITOBA, CA
- [85] 2023-02-27
- [86] 2021-09-07 (PCT/CA2021/051229)
- [87] (WO2022/056619)
- [30] US (63/078,654) 2020-09-15

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 - [25] FR
 - [54] PROCESS FOR THE DEHYDROGENATION OF ETHANOL IN A MULTITUBULAR REACTOR
 - [54] PROCEDE DE DESHYDROGENATION DE L'ETHANOL EN REACTEUR MULTITUBULAIRE
 - [72] GABELLE, JEAN-CHRISTOPHE, FR
 - [72] COUPARD, VINCENT, FR
 - [72] DASTILLUNG, REJANE, FR
 - [72] MEJEAN, MICKAEL, FR
 - [71] IFP ENERGIES NOUVELLES, FR
 - [71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
 - [85] 2023-02-27
 - [86] 2021-09-13 (PCT/EP2021/075135)
 - [87] (WO2022/063620)
 - [30] FR (FR2009759) 2020-09-25
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- [51] Int.Cl. A44B 11/10 (2006.01) A44B 11/25 (2006.01) A44B 11/26 (2006.01)
- [25] EN
- [54] BELT BUCKLE
- [54] BOUCLE DE CEINTURE
- [72] EVANS, SCOTT V., US
- [72] TOMCZAK, NICHOLAS R., US
- [71] EDGE-WORKS MANUFACTURING COMPANY, US
- [85] 2023-02-27
- [86] 2021-08-27 (PCT/US2021/047841)
- [87] (WO2022/047090)
- [30] US (63/071,752) 2020-08-28

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- [25] EN
- [54] DUPLEXERS AND RELATED DEVICES FOR 5G/6G AND SUBSEQUENT PROTOCOLS AND FOR MM-WAVE AND TERAHERTZ APPLICATIONS
- [54] DUPLEXEURS ET DISPOSITIFS ASSOCIES DESTINES A DES PROTOCOLES 5G/6G ET ULTERIEURS ET A DES APPLICATIONS A ONDES MILLIMETRIQUES ET TERAHERTZ
- [72] RAMZAN, MUHAMMAD RASHAD, PK
- [72] OMAR, MUHAMMAD, PK
- [72] STANWOOD, KENNETH, US
- [71] WI-LAN RESEARCH INC., US
- [85] 2023-02-27
- [86] 2021-10-08 (PCT/US2021/054093)
- [87] (WO2022/086725)
- [30] US (63/093,771) 2020-10-19
- [30] US (17/198,712) 2021-03-11

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- [51] Int.Cl. F24F 7/08 (2006.01) F28D 9/00 (2006.01) F28F 3/00 (2006.01) F28F 3/08 (2006.01) F28F 13/18 (2006.01) F28F 21/00 (2006.01)
- [25] EN
- [54] PARTITIONING MEMBER FOR TOTAL HEAT EXCHANGE ELEMENTS, TOTAL HEAT EXCHANGE ELEMENT, AND VENTILATION APPARATUS
- [54] ORGANE DE SEPARATION POUR ELEMENTS D'ECHANGE DE CHALEUR TOTALE, ELEMENT D'ECHANGE DE CHALEUR TOTALE ET APPAREIL DE VENTILATION
- [72] NAKAZAWA, TAKEMA, JP
- [72] KASAI, MASAYA, JP
- [72] NISHIO, NAOTAKA, JP
- [72] MAETANI, SHINJI, JP
- [71] DAIKIN INDUSTRIES, LTD., JP
- [71] DAICEL CORPORATION, JP
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- [87] (WO2022/071166)
- [30] JP (2020-164299) 2020-09-30

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- [25] EN
- [54] AUTOMATIC PAIRING OF DEVICES TO A COMMUNICATION GATEWAY
- [54] APPARIEMENT AUTOMATIQUE DE DISPOSITIFS A UNE PASSERELLE DE COMMUNICATION
- [72] WIESE, ANDERSON, US
- [72] LUTZ, ROBERT, US
- [71] SYSTECH CORPORATION, US
- [85] 2023-02-27
- [86] 2021-08-31 (PCT/US2021/048485)
- [87] (WO2022/051289)
- [30] US (63/073,066) 2020-09-01

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- [25] EN
- [54] ALKALINE RESISTANT HALOGENATED PLASTIC FOR MEDICAL DEVICES
- [54] PLASTIQUE HALOGENE RESISTANT AUX ALCALIS POUR DISPOSITIFS MEDICAUX
- [72] MENG, FANQING, US
- [72] WEIMER, MARC, US
- [72] CHENG, SHAN, US
- [72] TRAINER, LAWRENCE, US
- [71] CAREFUSION 303, INC., US
- [85] 2023-02-27
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- [25] EN
- [54] NITRATED PSILOCYBIN DERIVATIVES AND USE THEREOF FOR MODULATING 5-HT2A RECEPTOR AND FOR TREATING A PSYCHIATRIC DISORDER
- [54] DERIVES NITRES DE PSILOCYBINE ET UTILISATION ASSOCIEE POUR LA MODULATION DU RECEPTEUR 5-HT2A ET POUR LE TRAITEMENT D'UN TROUBLE PSYCHIATRIQUE
- [72] FACCHINI, PETER J., CA
- [72] HAGEL, JILLIAN M., CA
- [72] LING, CHANG-CHUN, CA
- [71] ENVERIC BIOSCIENCES CANADA INC., CA
- [85] 2023-02-27
- [86] 2021-09-02 (PCT/CA2021/051214)
- [87] (WO2022/047583)
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- [25] EN
- [54] PROVIDING TRANSFER AND CONFIGURATION OF WEB CONFERENCING BETWEEN CONSUMER DEVICES
- [54] FOURNITURE DE TRANSFERT ET DE CONFIGURATION DE CONFERENCE WEB ENTRE DES DISPOSITIFS DE CONSOMMATEUR
- [72] DELSORDO, CHRISTOPHER S., US
- [72] ELOCK, ALBERT F., US
- [72] MOORE, JR. RICHARD, US
- [72] JASNER, MARC E., US
- [71] ARRIS ENTERPRISES LLC, US
- [85] 2023-02-27
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- [87] (WO2022/046231)
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 - [25] EN
 - [54] AUTOMATICALLY IDENTIFYING MULTI-WORD EXPRESSIONS
 - [54] IDENTIFICATION AUTOMATIQUE D'EXPRESSIONS MULTI-MOTS
 - [72] COUGIAS, DORIAN J., US
 - [72] PILIERO, STEVEN, US
 - [72] DARE, DAVE, US
 - [72] HONTAU, LUCIAN, US
 - [72] KOHLER, SEAN, US
 - [72] WEDDERBURN, MICHAEL, US
 - [71] UNIFIED COMPLIANCE FRAMEWORK (NETWORK FRONTIERS), US
 - [85] 2023-02-27
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 - [87] (WO2022/047252)
 - [30] US (63/071,180) 2020-08-27
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- [25] EN
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- [54] ELEMENT DE PREHENSION POUR CABLE D'ASCENSEUR REVETU
- [72] VANDAMME, DIMITRI, BE
- [71] BEKAERT ADVANCED CORDS AALTER NV, BE
- [85] 2023-02-27
- [86] 2021-09-08 (PCT/EP2021/074654)
- [87] (WO2022/053481)
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 - [25] EN
 - [54] HALOGENATED PSILOCYBIN DERIVATIVES AND METHODS OF USING
 - [54] DERIVES DE PSILOCYBINE HALOGENES ET LEURS PROCEDES D'UTILISATION
 - [72] HAGEL, JILLIAN M., CA
 - [72] FACCHINI, PETER JAMES, CA
 - [71] ENVERIC BIOSCIENCES CANADA INC., CA
 - [85] 2023-02-27
 - [86] 2021-09-01 (PCT/CA2021/051209)
 - [87] (WO2022/047579)
 - [30] US (63/073,104) 2020-09-01
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- [54] COLLECTEUR DE CONVOYEUR A TOILE DOTE D'UN ENSEMBLE DE TENSION DE CHENILLE DE CONVOYEUR A TOILE
- [72] GRENIER, ERIC, CA
- [72] TALBOT, FRANK, CA
- [72] COUDIERE, ROMAIN, FR
- [71] MACDON INDUSTRIES LTD, CA
- [85] 2023-02-27
- [86] 2020-09-04 (PCT/CA2020/000108)
- [87] (WO2022/047569)

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 - [54] BIOMARKERS AND USES THEREOF IN THE TREATMENT OF CHRONIC HBV INFECTION
 - [54] BIOMARQUEURS ET LEURS UTILISATIONS DANS LE TRAITEMENT D'UNE INFECTION PAR LE VHB CHRONIQUE
 - [72] TUEFFERD, MARIANNE ISABELLE, BE
 - [72] CRABBE, MARJOLEIN, BE
 - [72] BOLLEKENS, JACQUES ARMAND HENRI, BE
 - [72] AERSSENS, JEROEN MARCEL MARIA ROGER, BE
 - [72] DI CARA, ALESSANDRO, CH
 - [71] JANSEN SCIENCES IRELAND UNLIMITED COMPANY, IE
 - [85] 2023-02-27
 - [86] 2021-09-01 (PCT/IB2021/057990)
 - [87] (WO2022/049504)
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- [25] EN
- [54] SYSTEM AND METHOD OF REWARDING RECIPIENTS FOR RECEIVING DISTRIBUTED INFORMATION
- [54] SYSTEME ET PROCEDE DE RECOMPENSE DE DESTINATAIRES POUR AVOIR RECU DES INFORMATIONS DISTRIBUEES
- [72] ALEKNAVICIUS, JASMIN, AU
- [71] ALEKNAVICIUS, JASMIN, AU
- [85] 2023-02-27
- [86] 2021-09-07 (PCT/AU2021/051036)
- [87] (WO2022/047550)
- [30] AU (2020903192) 2020-09-07

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 [25] EN
 [54] A METHOD FOR PRODUCING LITHIUM HYDROXIDE FROM LITHIUM-CONTAINING RAW MATERIAL
 [54] METHODE DE PRODUCTION D'HYDROXYDE DE LITHIUM A PARTIR DE MATIERES BRUTESCONTENANT DU LITHIUM
 [72] JUNG, WOO CHUL, KR
 [72] HAN, GI-CHUN, KR
 [72] KO, YOUNG-SEON, KR
 [72] KIM, SEUNG GOO, KR
 [72] KIM, KIYOUNG, KR
 [72] PARK, WOONKYOUNG, KR
 [72] KIM, KYUNGHOON, KR
 [72] KIM, JUYOUNG, KR
 [72] LEE, HYUN WOO, KR
 [71] RESEARCH INSTITUTE OF INDUSTRIAL SCIENCE & TECHNOLOGY, KR
 [71] POSCO CO., LTD, KR
 [85] 2023-02-27
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 [25] EN
 [54] AN EASY TO FILL AND EASY TO ASSEMBLE AEROSOLIZATION MODULE FOR AN AEROSOL GENERATING SYSTEM
 [54] MODULE D'AEROSOLISATION FACILE A REMPLIR ET A MONTER POUR UN SYSTEME DE GENERATION D'AEROSOL
 [72] WEN, ZHIHUA, CN
 [72] LUO, JIAN CHENG, CH
 [71] JT INTERNATIONAL S.A., CH
 [85] 2023-02-27
 [86] 2021-08-26 (PCT/EP2021/073577)
 [87] (WO2022/043416)
 [30] CN (PCT/CN2020/112016) 2020-08-28

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 [25] EN
 [54] MONOLITHIC DUST SEPARATOR
 [54] SEPARATEUR DE POUSSIÈRE MONOLITHIQUE
 [72] HILLARD, JACOB LEE, US
 [71] MULLET TOOLS, LLC, US
 [85] 2023-02-24
 [86] 2021-08-27 (PCT/US2021/047997)
 [87] (WO2022/047185)
 [30] US (63/070,861) 2020-08-27
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 [30] US (63/106,937) 2020-10-29
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 [54] NEUROSTIMULATION RESPONSIVE TO POSTURE
 [54] NEUROSTIMULATION SENSIBLE A LA POSTURE
 [72] WAH, JAMES HAMILTON, AU
 [72] MALLA, AMOL, AU
 [71] SALUDA MEDICAL PTY LTD, AU
 [85] 2023-02-27
 [86] 2021-08-30 (PCT/AU2021/050999)
 [87] (WO2022/040757)
 [30] AU (2020903082) 2020-08-28
 [30] AU (2020903083) 2020-08-28
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 [25] EN
 [54] CLAMPING DEVICE FOR LIFTING AND TRANSFER OBJECTS
 [54] DISPOSITIF DE SERRAGE POUR SOULEVER ET TRANSFERER DES OBJETS
 [72] NGUYEN, NHON HOA, AU
 [71] NGUYEN, NHON HOA, AU
 [85] 2023-02-22
 [86] 2021-08-24 (PCT/IB2021/057765)
 [87] (WO2022/043876)
 [30] US (63/069,276) 2020-08-24

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 [25] EN
 [54] THERAPEUTIC ANTIBODY FORMULATIONS
 [54] FORMULATIONS D'ANTICORPS THERAPEUTIQUES
 [72] MARKHAM, AARON PAUL, US
 [72] SHI, GALEN HUAIQIU, US
 [72] THOMAS, JUSTIN CODY, US
 [71] ELI LILLY AND COMPANY, US
 [85] 2023-02-27
 [86] 2021-09-10 (PCT/US2021/049773)
 [87] (WO2022/056202)
 [30] US (63/076,600) 2020-09-10
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- [51] Int.Cl. F03B 13/06 (2006.01) F04B 1/00 (2020.01)
 [25] EN
 [54] VANDAR IMPROVED HYDROELECTRIC POWER SYSTEMS
 [54] SYSTEMES D'ENERGIE HYDROELECTRIQUE AMELIORES DE TYPE VANDAR
 [72] AHMED, MOSTAK, GB
 [71] AHMED, MOSTAK, GB
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 [86] 2021-09-01 (PCT/EP2021/074173)
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 [30] GB (2013680.0) 2020-09-01

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 - [25] FR
 - [54] PREPARATION OF A COMPOSITION OF RAW MATERIALS
 - [54] PREPARATION D'UNE COMPOSITION DE MATIERES PREMIERES
 - [72] DUPEUX, GUILLAUME, FR
 - [72] MARTIN, ALEXANDRE, FR
 - [72] BARBA ROSSA, GUILLAUME, FR
 - [71] SAINT-GOBAIN ISOVER, FR
 - [85] 2023-02-27
 - [86] 2021-09-23 (PCT/FR2021/051638)
 - [87] (WO2022/064150)
 - [30] FR (FR2009691) 2020-09-24
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- [25] EN
- [54] IDENTIFYING AN ELECTRONIC DEVICE CONNECTED TO AN ELECTRICAL POWER SOURCE
- [54] IDENTIFICATION D'UN DISPOSITIF ELECTRONIQUE CONNECTE A UNE SOURCE D'ENERGIE ELECTRIQUE
- [72] DANGOOR, MICHAEL, GB
- [72] GODFREY, MICHAEL JAMES, GB
- [72] SIAU, LOONG YEN JOHANN, GB
- [71] SOURCE TO SITE ACCESSORIES LIMITED, GB
- [85] 2023-02-27
- [86] 2021-09-03 (PCT/GB2021/052281)
- [87] (WO2022/049390)
- [30] GB (2013953.1) 2020-09-04

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- [25] EN
- [54] ANTITUMORAL ASCORBIC ACID ESTERS
- [54] ESTERS D'ACIDE ASCORBIQUE ANTITUMORAUX
- [72] ROYO BARGUES, TERESA, ES
- [72] FALL DIOP, YAGAMARE, ES
- [72] GOMEZ PACIOS, MARIA GENEROSA DE LOS ANGELES, ES
- [72] SANTALLA GARCIA, HUGO, ES
- [72] GARRIDO FERNANDEZ, FATIMA, ES
- [72] KURZ, GUIDO, ES
- [72] RUBIES ROYO, MARIA, ES
- [71] SUIGENERIS FARMACOSMETICS, S.L., ES
- [85] 2023-02-27
- [86] 2021-09-13 (PCT/EP2021/075104)
- [87] (WO2022/053679)
- [30] EP (20382804.1) 2020-09-14

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 - [25] EN
 - [54] AN AEROSOLIZATION MODULE FOR AN AEROSOL GENERATING SYSTEM HAVING AN OPTIMIZED CONFIGURATION
 - [54] MODULE D'AEROSOLISATION DE SYSTEME DE GENERATION D'AEROSOL AYANT UNE CONFIGURATION OPTIMISEE
 - [72] SHEN, PIFA, CN
 - [72] MING, ZHINAN, CN
 - [72] LUO, JIAN CHENG, CH
 - [71] JT INTERNATIONAL S.A., CH
 - [85] 2023-02-27
 - [86] 2021-08-26 (PCT/EP2021/073602)
 - [87] (WO2022/043432)
 - [30] CN (PCT/CN2020/112146) 2020-08-28
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 - [25] EN
 - [54] A SYSTEM AND A METHOD FOR MANAGING USER IDENTITY DATA
 - [54] SYSTEME ET PROCEDE DE GESTION DE DONNEES D'IDENTITE D'UTILISATEUR
 - [72] ABRAHAM, ELDHO, IN
 - [71] AMADEUS S.A.S, FR
 - [85] 2023-02-27
 - [86] 2021-08-30 (PCT/EP2021/073918)
 - [87] (WO2022/043564)
 - [30] EP (20315394.5) 2020-08-31
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- [25] EN
- [54] MEDICATION DELIVERY DEVICE WITH SENSING SYSTEM
- [54] DISPOSITIF D'ADMINISTRATION DE MEDICAMENT DOTE D'UN SYSTEME DE DETECTION
- [72] BOWYER, ANDREW ERIC, US
- [72] KATUIN, JOSEPH EDWARD, US
- [71] ELI LILLY AND COMPANY, US
- [85] 2023-02-27
- [86] 2021-08-23 (PCT/US2021/047076)
- [87] (WO2022/046596)
- [30] US (63/070,465) 2020-08-26

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 - [25] EN
 - [54] AN AEROSOLIZATION MODULE FOR AN AEROSOL GENERATING SYSTEM HAVING AN OPTIMIZED AIR PATH CONFIGURATION
 - [54] MODULE D'AEROSOLISATION DE SYSTEME DE GENERATION D'AEROSOL AYANT UNE CONFIGURATION DE TRAJET D'AIR OPTIMISEE
 - [72] SHEN, PIFA, CN
 - [72] LUO, JIAN CHENG, CH
 - [71] JT INTERNATIONAL S.A., CH
 - [85] 2023-02-27
 - [86] 2021-08-26 (PCT/EP2021/073583)
 - [87] (WO2022/043420)
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- [25] EN
- [54] HOMOGENEOUS HASHISH PRODUCT
- [54] PRODUIT DE HASHISH HOMOGENE
- [72] DURBANO, RENATO DEVIEN, CA
- [72] NEAULT, TODD, CA
- [71] HEXO OPERATIONS INC., CA
- [85] 2023-02-27
- [86] 2021-09-02 (PCT/CA2021/051222)
- [87] (WO2022/047591)
- [30] US (63/073,549) 2020-09-02

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- [25] EN
- [54] EPOXY MODIFIED ADDITIVES FOR LITHIUM ION BATTERIES
- [54] ADDITIFS MODIFIES PAR EPOXY POUR BATTERIES AU LITHIUM-ION
- [72] PARK, DAI IN, KR
- [72] MOGANTY, SURYA, US
- [72] TORRES, GABRIEL, US
- [72] LEE, JOONBAE, US
- [72] VAIDYA, RUTVIK, US
- [72] WU, YUE, US
- [72] SINICROPI, JOHN, US
- [71] NOHMS TECHNOLOGIES, INC., US
- [85] 2023-02-27
- [86] 2021-03-23 (PCT/US2021/023627)
- [87] (WO2022/046174)
- [30] US (63/071,020) 2020-08-27

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- [25] EN
- [54] METHOD AND PLANT FOR PREPARING DIMETHYL ETHER
- [54] PROCEDE ET INSTALLATION DE PREPARATION D'ETHER DIMETHYLIQUE
- [72] PESCHEL, ANDREAS, DE
- [71] LINDE GMBH, DE
- [85] 2023-02-27
- [86] 2021-06-22 (PCT/EP2021/025224)
- [87] (WO2022/042875)
- [30] EP (20020393.3) 2020-08-31

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- [25] EN
- [54] COATING COMPOSITION WITH IMPROVED BLOCK AND HUMIDITY RESISTANCE, DIRECT TO METAL ADHERENCE AND LOW VOC CONTENT
- [54] COMPOSITION DE REVETEMENT A RESISTANCE AU BLOCAGE ET A L'HUMIDITE AMELIOREE, A ADHERENCE DIRECTE AU METAL ET A FAIBLE TENEUR EN COV
- [72] LI, YUTING, US
- [72] EISENHARDT, ROBERT P., US
- [72] WU, WENJUN, US
- [72] DREWERY, MICHAEL, US
- [72] ARENDT, JEFFREY P., US
- [71] ARKEMA INC., US
- [85] 2023-02-27
- [86] 2021-08-26 (PCT/US2021/047755)
- [87] (WO2022/051168)
- [30] US (63/074,125) 2020-09-03
- [30] US (63/159,508) 2021-03-11

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- [51] Int.Cl. G02B 6/36 (2006.01) G02B 6/44 (2006.01)
- [25] EN
- [54] INTERMITTENTLY BONDED RIBBON WITH INTERMITTENT BONDS CREATED WITH A WET-ON-WET PROCESS
- [54] RUBAN A LIAISON INTERMITTENTE AVEC DES LIAISONS INTERMITTENTES CREEES AVEC UN PROCEDE HUMIDE SUR HUMIDE
- [72] CHALK, JULIE ANN, US
- [72] CHIASSON, DAVID WESLEY, CA
- [72] HARTKORN, KLAUS, US
- [72] MILLS, GREGORY ALAN, US
- [72] ZHAO, XIAOMIN, US
- [71] CORNING RESEARCH & DEVELOPMENT CORPORATION, US
- [85] 2023-02-27
- [86] 2021-08-24 (PCT/US2021/047260)
- [87] (WO2022/046710)
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<p>[21] 3,191,131 [13] A1</p> <p>[51] Int.Cl. A61K 45/06 (2006.01)</p> <p>[25] EN</p> <p>[54] USE OF AN ANTI-PD-1 ANTIBODY AND A CYTOTOXIC ANTICANCER DRUG IN TREATMENT OF NON-SMALL CELL LUNG CANCER</p> <p>[54] UTILISATION D'UN ANTICORPS ANTI-PD-1 ET D'UN MEDICAMENT ANTICANCREUX CYTOTOXIQUE DANS LE TRAITEMENT DU CANCER DU POUMON NON A PETITES CELLULES</p> <p>[72] YAO, SHENG, CN</p> <p>[72] FENG, HUI, CN</p> <p>[71] SHANGHAI JUNSHI BIOSCIENCES CO., LTD., CN</p> <p>[85] 2023-02-27</p> <p>[86] 2021-08-27 (PCT/CN2021/114982)</p> <p>[87] (WO2022/042681)</p> <p>[30] CN (202010883912.3) 2020-08-28</p> <p>[30] CN (202110925375.9) 2021-08-12</p>
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[51] Int.Cl. C11D 1/40 (2006.01) C11D 1/22 (2006.01) C11D 1/29 (2006.01)
[25] EN
[54] LAUNDRY DETERGENT COMPOSITION CONTAINING DYE FIXATIVE AND AMINE-BASED SURFACTANT
[54] COMPOSITION DE DETERGENT LESSIVIEL CONTENANT UN FIXATEUR DE COLORANT ET UN TENSIOACTIF A BASE D'AMINE
[72] GAO, QIAN, CN
[72] TANG, MING, CN
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2023-02-27
[86] 2021-08-12 (PCT/CN2021/112271)
[87] (WO2022/062753)
[30] CN (PCT/CN2020/118408) 2020-09-28
[30] CN (PCT/CN2020/118325) 2020-09-28
[30] CN (PCT/CN2020/138032) 2020-12-21

[21] 3,191,138
[13] A1

[51] Int.Cl. A47K 10/24 (2006.01) B29C 45/12 (2006.01) B29C 45/13 (2006.01) B29C 45/14 (2006.01)
[25] EN
[54] METHODS OF IN-MOLDING LABELS AND DISPENSERS THEREOF
[54] PROCEDES D'ETIQUETAGE AU MOULAGE ET DISTRIBUTEURS ASSOCIES
[72] GREEN, JONATHAN, US
[72] ERZEN, KLEMEN, US
[72] OBERDORF, JOSEPH E., US
[71] KIMBERLY-CLARK WORLDWIDE, INC., US
[85] 2023-02-27
[86] 2020-08-31 (PCT/US2020/048769)
[87] (WO2022/046110)

[21] 3,191,139
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[51] Int.Cl. C23C 16/513 (2006.01) H01J 37/32 (2006.01) H05H 1/24 (2006.01)
[25] EN
[54] MULTICELL OR MULTIARRAY PLASMA AND METHOD FOR SURFACE TREATMENT USING THE SAME
[54] PLASMA A CELLULES MULTIPLES OU A RESEAUX MULTIPLES ET PROCEDE DE TRAITEMENT DE SURFACE CORRESPONDANT
[72] BIRCHER, FRITZ, CH
[72] ELLERT, CHRISTOPH, CH
[72] GERMANIER, ALAIN, CH
[72] MARTINET, DAVID, CH
[72] GUGLER, GILBERT, CH
[72] FILLIGER, SEBASTIAN, CH
[71] INSTITUT SYSTEMES INDUSTRIELS, HAUTE ECOLE DE SUISSE OCCIDENTALE, VALAIS-WALLIS (HES-SO), CH
[71] IPRINT INSTITUTE, CH
[85] 2023-02-27
[86] 2021-08-20 (PCT/IB2021/057671)
[87] (WO2022/049445)
[30] EP (20194025.1) 2020-09-02

[21] 3,191,140
[13] A1

[51] Int.Cl. G06Q 10/10 (2023.01) G06Q 30/00 (2023.01)
[25] EN
[54] SYSTEMS AND METHODS RELATING TO POST-PURCHASE SUPPORT OF CUSTOMERS
[54] SYSTEMES ET PROCEDES SE RAPPORTANT A LA PRISE EN CHARGE POST-ACHAT DE CLIENTS
[72] THAKKAR, ASHISH, CA
[71] GENESYS CLOUD SERVICES HOLDINGS II, LLC, US
[85] 2023-02-27
[86] 2021-08-26 (PCT/US2021/047663)
[87] (WO2022/046970)
[30] US (63/072,372) 2020-08-31

[21] 3,191,141
[13] A1

[51] Int.Cl. A61K 9/00 (2006.01) A61K 9/50 (2006.01) A61K 9/51 (2006.01) A61K 38/17 (2006.01) A61K 47/06 (2006.01) A61K 47/34 (2017.01)
[25] EN
[54] SUSTAINED RELEASE FORMULATIONS USING NON-AQUEOUS MEMBRANE EMULSIFICATION
[54] FORMULATIONS A LIBERATION PROLONGEE A L'AIDE D'UNE EMULSIFICATION PAR MEMBRANE NON AQUEUSE
[72] CHEN, HUNTER, US
[72] ZHAO, YIMING, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2023-02-27
[86] 2021-11-24 (PCT/US2021/060800)
[87] (WO2022/115588)
[30] US (63/118,264) 2020-11-25

[21] 3,191,142
[13] A1

[51] Int.Cl. A01H 5/00 (2018.01) A01H 6/14 (2018.01)
[25] EN
[54] METHOD AND/OR COMPOSITIONS FOR LETTUCE (LACTUCA SATIVA) BREEDING AND/OR VARIETIES DEVELOPED THEREBY
[54] PROCEDE ET/OU COMPOSITIONS DE SELECTION DE LAITUE (LACTUCA SATIVA) ET/OU DE VARIETES DEVELOPPEES AINSI
[72] JACKSON, ERIC, US
[72] KLASSSEN, KEVIN, US
[71] VINDARA, INC., US
[85] 2023-02-27
[86] 2021-08-26 (PCT/US2021/047742)
[87] (WO2022/047022)
[30] US (62/706,580) 2020-08-26

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[13] A1

- [51] Int.Cl. A23L 5/46 (2016.01)
- [25] EN
- [54] **PIGMENT FOR MEAT SUBSTITUTE COMPOSITIONS**
- [54] **PIGMENT POUR COMPOSITIONS DE SUBSTITUT DE VIANDE**
- [72] HERMES, TASHA, US
- [72] LIPKIE, TRISTAN, US
- [72] SHYAMALIE SENARATNE-LENAGALA, LASIKA, US
- [71] CARGILL, INCORPORATED, US
- [85] 2023-02-27
- [86] 2021-08-31 (PCT/US2021/048465)
- [87] (WO2022/047389)
- [30] US (63/072,287) 2020-08-31

[21] 3,191,144

[13] A1

- [51] Int.Cl. B29C 44/12 (2006.01) B29C 44/34 (2006.01) B32B 3/02 (2006.01) B32B 5/18 (2006.01) B32B 5/32 (2006.01) B32B 7/04 (2019.01) B32B 27/40 (2006.01) E01B 3/46 (2006.01) C08J 9/12 (2006.01)
- [25] EN
- [54] **MOLDING DEVICES AND METHODS FOR MAKING ELASTOMERIC PADS FOR USE AS RAIL TIES**
- [54] **DISPOSITIFS DE MOULAGE ET PROCEDES DE FABRICATION DE TAMPONS ELASTOMERES DESTINES A ETRE UTILISES EN TANT QUE TRAVERSES DE CHEMIN DE FER**
- [72] CHEN, YINGLONG, US
- [72] DOTSON, LARRY, US
- [72] WU, HUANG, US
- [72] REESE, JASON A., US
- [72] LIGHT, KEVIN W., US
- [72] MOBLEY, LARRY W., US
- [72] COTANDA, MARIA-JOSE, US
- [71] DOW GLOBAL TECHNOLOGIES LLC, US
- [85] 2023-02-27
- [86] 2021-08-30 (PCT/US2021/048170)
- [87] (WO2022/051208)
- [30] US (63/072,987) 2020-09-01

[21] 3,191,145

[13] A1

- [51] Int.Cl. A23L 33/00 (2016.01) A61K 31/522 (2006.01)
- [25] EN
- [54] **THERAPEUTIC AGENT AND NUTRACEUTICAL COMPOSITIONS AND METHODS FOR MAKING AND USING SAME**
- [54] **COMPOSITIONS D'AGENT THERAPEUTIQUE ET DE NUTRACEUTIQUE ET PROCEDES DE FABRICATION ET D'UTILISATION DE CELLES-CI**
- [72] LUCAS, TOLAN NAOMIE, US
- [72] SEIDEL, ERIC, US
- [72] BERNARD, MARK ANTHONY, US
- [72] GELLER, ROBIN LEE, US
- [72] CARRASCO-LOPEZ, CESAR ANDRES, US
- [72] DEODATO, DAVIDE, IT
- [71] NUREVELATION, LLC, US
- [85] 2023-02-27
- [86] 2021-08-27 (PCT/US2021/048040)
- [87] (WO2022/047217)
- [30] US (63/071,820) 2020-08-28
- [30] US (63/232,006) 2021-08-11

[21] 3,191,146

[13] A1

- [51] Int.Cl. B07B 1/48 (2006.01) B07B 4/02 (2006.01)
- [25] EN
- [54] **STRETCHING-SHAFT SCREENING DEVICE FOR SEPARATING INSECTS, IN PARTICULAR INSECT LARVAE, OR WORMS AND RESIDUAL MATERIAL, AND USE OF SUCH A STRETCHING-SHAFT SCREENING DEVICE**
- [54] **DISPOSITIF DE CRIBLAGE A ARBRE A ETIRER PERMETTANT DE SEPARER DES INSECTES, EN PARTICULIER DES LARVES D'INSECTES OU DES VERS ET UNE MATIERE RESIDUELLE, ET UTILISATION D'UN TEL DISPOSITIF DE CRIBLAGE A ARBRE A ETIRE**
- [72] GELDER, VINCENT DE, NL
- [72] BAUMANN, ANDREAS, CH
- [71] BUHLER INSECT TECHNOLOGY SOLUTIONS AG, CH
- [85] 2023-02-27
- [86] 2021-08-20 (PCT/EP2021/025316)
- [87] (WO2022/048791)
- [30] EP (20194176.2) 2020-09-02

[21] 3,191,147

[13] A1

- [51] Int.Cl. A01K 5/00 (2006.01) A01K 5/02 (2006.01) A01K 67/033 (2006.01) G01G 13/24 (2006.01) G01G 17/06 (2006.01) G01G 17/08 (2006.01)
- [25] EN
- [54] **HIGH-SPEED DOSING**
- [54] **DOSAGE A GRANDE VITESSE**
- [72] GELDER, VINCENT DE, NL
- [72] JANSEN, MAURITS PETRUS MARIA, NL
- [71] BUHLER INSECT TECHNOLOGY SOLUTIONS AG, CH
- [85] 2023-02-27
- [86] 2021-08-20 (PCT/EP2021/025317)
- [87] (WO2022/048792)
- [30] EP (20194178.8) 2020-09-02

[21] 3,191,148

[13] A1

- [51] Int.Cl. C12N 15/90 (2006.01)
- [25] EN
- [54] **ENGINEERED IMMUNE CELLS WITH PRIMING RECEPTORS**
- [54] **CELLULES IMMUNITAIRES MODIFIEES AVEC DES RECEPTEURS D'AMORCAGE**
- [72] COOPER, AARON, US
- [72] NGUYEN, MICHELLE, US
- [72] YAO, ANZHI, US
- [72] SANTORO, STEPHEN, US
- [71] ARSENAL BIOSCIENCES, INC., US
- [85] 2023-02-27
- [86] 2021-08-27 (PCT/US2021/048066)
- [87] (WO2022/047237)
- [30] US (63/072,080) 2020-08-28

[21] 3,191,149

[13] A1

- [51] Int.Cl. H04B 7/06 (2006.01) H04B 7/0452 (2017.01) H04B 7/0456 (2017.01)
- [25] EN
- [54] **BEAMFORMING USING SPARSE ANTENNA ARRAYS**
- [54] **FORMATION DE FAISCEAUX A L'AIDE DE RESEAUX D'ANTENNES EPARS**
- [72] GREINKE, BRIAN G., US
- [72] BACIGALUPI, JOHN, US
- [72] MILLER, CRAIG A., US
- [72] ROBINSON, PARKER A., US
- [71] VIASAT, INC., US
- [85] 2023-02-27
- [86] 2021-09-02 (PCT/US2021/048908)
- [87] (WO2022/051531)
- [30] US (63/075,017) 2020-09-04

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[21] 3,191,151
[13] A1

[51] Int.Cl. H04B 7/06 (2006.01)
[25] EN
[54] BEAM MANAGEMENT USING SPARSE ANTENNA ARRAYS
[54] GESTION DE FAISCEAU A L'AIDE DE RESEAUX D'ANTENNES EPARS
[72] GREINKE, BRIAN G., US
[72] BACIGALUPI, JOHN, US
[72] ROBINSON, PARKER, US
[71] VIASAT, INC., US
[85] 2023-02-27
[86] 2021-09-02 (PCT/US2021/048913)
[87] (WO2022/051535)
[30] US (63/075,026) 2020-09-04

[21] 3,191,153
[13] A1

[51] Int.Cl. G06Q 10/06 (2023.01)
[25] EN
[54] SYSTEMS AND METHODS RELATING TO PREDICTING AND PREVENTING HIGH RATES OF AGENT ATTRITION IN CONTACT CENTERS
[54] SYSTEMES ET METHODES CONCERNANT LA PREDICTION ET LA PREVENTION DE TAUX ELEVES D'ATTRITION DES AGENTS DANS LES CENTRES DE CONTACT
[72] ASOKAN, ANANTHA KRISHNAN, IN
[72] GOKULAKANNAN, BALAJI, IN
[72] JAYARAGHAVENDRAN, VIDHYASIMHAM, IN
[71] GENESYS CLOUD SERVICES, INC., US
[85] 2023-02-27
[86] 2021-09-02 (PCT/US2021/048918)
[87] (WO2022/051538)
[30] US (63/074,035) 2020-09-03
[30] US (17/465,119) 2021-09-02

[21] 3,191,154
[13] A1

[51] Int.Cl. A23L 7/122 (2016.01) A23L 7/135 (2016.01)
[25] EN
[54] USE OF A MIXTURE OF PREGELATINIZED, AMYLOSE-RICH STARCHES HAVING LARGE PARTICLE SIZE AND SOLUBLE FIBERS FOR COATING AND GLAZING BREAKFAST CEREALS
[54] UTILISATION D'UN MELANGE D'AMIDONS PREGELATINISES RICHES EN AMYLOSE DE GROSSE GRANULOMETRIE AVEC DES FIBRES SOLUBLES POUR L'ENROBAGE ET LE GLACAGE DE CEREALES DE PETIT DEJEUNER
[72] BUSOLIN, ANDRE, FR
[72] DEMEULEMEESTER, PATRICE, FR
[71] ROQUETTE FRERES, FR
[85] 2023-02-27
[86] 2021-08-19 (PCT/EP2021/025314)
[87] (WO2022/048789)
[30] FR (FR2008886) 2020-09-02

[21] 3,191,165
[13] A1

[51] Int.Cl. G01J 1/04 (2006.01) G01J 1/50 (2006.01)
[25] EN
[54] MULTILAYER COLOURIMETRIC INDICATOR
[54] INDICATEUR COLORIMETRIQUE MULTICOUCHE
[72] LINDAHL, CLAES, SE
[71] INTELLEGO TECHNOLOGIES AB (SWEDEN), SE
[85] 2023-02-28
[86] 2021-09-02 (PCT/EP2021/074269)
[87] (WO2022/049194)
[30] GB (2013768.3) 2020-09-02

[21] 3,191,172
[13] A1

[51] Int.Cl. C07D 401/04 (2006.01) A61P 25/28 (2006.01) C07D 401/14 (2006.01)
[25] EN
[54] QUINOLINE CGAS ANTAGONIST COMPOUNDS
[54] COMPOSES DE QUINOLEINE ANTAGONISTES DE CGAS
[72] QIU, JIAN, US
[72] WEI, QI, US
[72] TSCHANTZ, MATT, US
[72] SHI, HEPING, US
[72] WU, YOUTONG, US
[72] TAN, HUILING, US
[72] SUN, LIJUN, US
[72] CHEN, CHUO, US
[72] CHEN, ZHIJIAN, US
[71] IMMUNESENSOR THERAPEUTICS, INC., US
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2023-02-28
[86] 2021-09-03 (PCT/US2021/049084)
[87] (WO2022/051634)
[30] US (63/074,446) 2020-09-03
[30] US (63/124,713) 2020-12-11
[30] US (63/196,146) 2021-06-02

[21] 3,191,173
[13] A1

[51] Int.Cl. A01B 45/02 (2006.01)
[25] EN
[54] LAWN AERATOR APPARATUS
[54] APPAREIL AERATEUR DE GAZON
[72] AVERY, BRUCE, CA
[71] ECOLAWN AERATOR INCORPORATED, CA
[85] 2023-02-28
[86] 2021-08-30 (PCT/CA2021/051199)
[87] (WO2022/040814)
[30] US (63/072,070) 2020-08-28

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[13] A1

[51] Int.Cl. C25B 15/025 (2021.01) C25B 9/23 (2021.01) C25B 9/77 (2021.01) C25B 15/033 (2021.01)

[25] EN

[54] EIS MONITORING SYSTEMS FOR ELECTROLYZERS

[54] SYSTEMES DE SURVEILLANCE PAR SPECTROSCOPIE D'IMPEDANCE ELECTROCHIMIQUE (EIS) POUR ELECTROLYSEURS

[72] YELLEPEDDI, ATULYA, US

[72] HARRINGTON, BRIAN, US

[72] DASS, SASHA, US

[72] MONTALVO, ANTONIO, US

[71] ANALOG DEVICES, INC., US

[85] 2023-02-28

[86] 2022-02-04 (PCT/US2022/015338)

[87] (WO2022/177764)

[30] US (63/150,308) 2021-02-17

[21] 3,191,186
[13] A1

[51] Int.Cl. C07K 14/47 (2006.01) A61K 35/17 (2015.01) C07K 14/725 (2006.01)

[25] EN

[54] T CELL RECEPTORS RECOGNIZING R273C OR Y220C MUTATIONS IN P53

[54] RECEPTEURS DES LYMPHOCYTES T RECONNAISSANT LES MUTATIONS R175H OU Y220C DANS P53

[72] KIM, SANGHYUN, US

[72] ZACHARAKIS, NIKOLAOS, US

[72] ROSENBERG, STEVEN A., US

[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US

[85] 2023-02-28

[86] 2021-09-02 (PCT/US2021/048786)

[87] (WO2022/051449)

[30] US (63/074,747) 2020-09-04

[21] 3,191,192
[13] A1

[51] Int.Cl. B01D 17/04 (2006.01) B01D 35/02 (2006.01) F04B 23/02 (2006.01) F04D 13/06 (2006.01) F04D 13/16 (2006.01)

[25] EN

[54] SUMP PUMP SYSTEM AND METHODS FOR REMOVING SYNTHETIC ESTER-BASED FLUIDS FROM AN EMULSION

[54] SYSTEME DE POMPE DE PUISARD ET PROCEDES D'ELIMINATION DE FLUIDES A BASE D'ESTER SYNTHETIQUE D'UNE EMULSION

[72] GANNON, WILLIAM J., US

[72] TOMLINSON, DAVID, US

[72] MELACCIO, PAUL, US

[71] SOLIDIFICATION PRODUCTS INTERNATIONAL, INC., US

[85] 2023-02-28

[86] 2021-09-30 (PCT/US2021/052937)

[87] (WO2022/072676)

[30] US (63/085,673) 2020-09-30

[21] 3,191,177
[13] A1

[51] Int.Cl. A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 31/53 (2006.01) A61K 47/10 (2017.01) A61P 11/06 (2006.01) A61P 17/00 (2006.01) A61P 17/06 (2006.01) A61P 25/28 (2006.01) A61P 27/02 (2006.01)

[25] EN

[54] METHODS OF TREATING PDE IV-MEDIATED DISEASES OR CONDITIONS

[54] METHODES DE TRAITEMENT DE MALADIES OU DE PROBLEMES DE SANTE INDUITS PAR LA PDE IV

[72] KOPRIVICA, VUK, US

[71] VANDA PHARMACEUTICALS INC., US

[85] 2023-02-28

[86] 2021-09-10 (PCT/US2021/049870)

[87] (WO2022/056265)

[30] US (63/076,774) 2020-09-10

[21] 3,191,191
[13] A1

[51] Int.Cl. B62D 65/00 (2006.01) B62D 65/04 (2006.01) B62K 11/00 (2013.01)

[25] EN

[54] METHOD FOR ASSEMBLING MOTORCYCLES OF A FAMILY OF MOTORCYCLES AND CORRESPONDING MOTORCYCLES

[54] PROCEDE D'ASSEMBLAGE DE MOTOCYCLETTE D'UNE FAMILLE DE MOTOCYCLETTE ET MOTOCYCLETTE CORRESPONDANTES

[72] NOLIN, CHRISTIAN, CA

[72] MALTAIS-LAROUCHE, EMILE, CA

[72] BOURQUE, YANNICK, CA

[72] LECLAIR, ALEXANDRE, CA

[72] GILBERT, ANDRE, CA

[72] LABERGE, NICOLAS, CA

[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA

[85] 2023-02-28

[86] 2021-08-27 (PCT/IB2021/057881)

[87] (WO2022/043946)

[30] US (63/072,866) 2020-08-31

[21] 3,191,194
[13] A1

[51] Int.Cl. A61K 39/125 (2006.01) A61P 11/00 (2006.01) A61P 31/12 (2006.01) C07K 14/165 (2006.01) C12N 7/00 (2006.01) C12N 15/861 (2006.01)

[25] EN

[54] AAV5-BASED VACCINE AGAINST SARS-COV-2

[54] VACCIN A BASE D'AAV5 CONTRE LE SRAS-COV-2

[72] PROKOFYEV, ALEXANDER VLADIMIROVICH, RU

[72] GERSHOVICH, PAVEL MIKHAILOVICH, RU

[72] STRELKOVA, ANNA NIKOLAEVNA, RU

[72] SPIRINA, NATALIA ALEKSANDROVNA, RU

[72] KONDINSKAIA, DIANA ALEKSANDROVNA, RU

[72] IAKOVLEV, PAVEL ANDREEVICH, RU

[72] MOROZOV, DMITRY VALENTINOVICH, RU

[71] JOINT STOCK COMPANY "BIOCAD", RU

[85] 2023-02-28

[86] 2021-08-27 (PCT/RU2021/050279)

[87] (WO2022/045935)

[30] RU (2020128658) 2020-08-28

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[21] 3,191,195

[13] A1

- [51] Int.Cl. C12Q 1/6809 (2018.01) G16B 5/00 (2019.01) G16B 25/10 (2019.01) A61P 29/00 (2006.01) A61P 37/00 (2006.01) C07K 16/24 (2006.01) C12Q 1/68 (2018.01)
 - [25] EN
 - [54] METHODS AND SYSTEMS FOR PREDICTING RESPONSE TO ANTI-TNF THERAPIES
 - [54] METHODES ET SYSTEMES DE PREDICTION DE LA REPONSE A DES THERAPIES ANTI-TNF
 - [72] GHIASSIAN, SUSAN, US
 - [72] SANTOLINI, MARC, US
 - [72] SCHÖENBRUNNER, NANCY, US
 - [72] JOHNSON, KEITH J., US
 - [71] SCIPHER MEDICINE CORPORATION, US
 - [85] 2023-02-28
 - [86] 2021-08-31 (PCT/US2021/048346)
 - [87] (WO2022/051245)
 - [30] US (63/073,336) 2020-09-01
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[21] 3,191,199

[13] A1

- [51] Int.Cl. B64G 1/44 (2006.01)
- [25] EN
- [54] SYSTEM FOR DEPLOYABLE SOLAR PANELS FOR NANOSATELLITES
- [54] SYSTEME DE PANNEAUX SOLAIRES DEPLOYABLES POUR NANOSATELLITES
- [72] ZAHARIEV, ZAHARI ILIEV, BG
- [71] "ENDUROSAT" JOINT STOCK COMPANY, BG
- [85] 2023-02-28
- [86] 2021-02-11 (PCT/BG2021/000006)
- [87] (WO2022/047551)
- [30] BG (113224) 2020-09-02

[21] 3,191,202

[13] A1

- [51] Int.Cl. C10G 3/00 (2006.01) C10G 45/02 (2006.01) C10G 65/04 (2006.01)
 - [25] EN
 - [54] METHOD FOR PRODUCING RENEWABLE FUEL
 - [54] PROCEDE POUR LA PRODUCTION DE COMBUSTIBLE RENOUVELABLE
 - [72] SUNTIO, VILLE, FI
 - [72] VISURI, OLLI, FI
 - [72] LINDQVIST, PETRI, FI
 - [71] NESTE OYJ, FI
 - [85] 2023-02-28
 - [86] 2021-09-29 (PCT/EP2021/076885)
 - [87] (WO2022/069601)
 - [30] FI (20205953) 2020-09-30
 - [30] FI (20205954) 2020-09-30
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[21] 3,191,207

[13] A1

- [51] Int.Cl. A61K 31/49 (2006.01) G01N 33/00 (2006.01)
- [25] EN
- [54] COMBINATION OF LURBINECTEDIN AND IMMUNE CHECKPOINT INHIBITOR
- [54] ASSOCIATION DE LURBINECTEDINE ET D'INHIBITEUR DE POINT DE CONTROLE IMMUNITAIRE
- [72] KROEMER, GUIDO, FR
- [72] KEPP, OLIVER, FR
- [71] PHARMA MAR, S.A., ES
- [85] 2023-02-28
- [86] 2020-09-04 (PCT/EP2020/074860)
- [87] (WO2022/048775)

[21] 3,191,208

[13] A1

- [51] Int.Cl. A61P 31/12 (2006.01) A61P 31/14 (2006.01) C07H 21/02 (2006.01)
- [25] EN
- [54] ANTIVIRAL SILENCING RNA MOLECULES, CHEMICALLY MODIFIED ANTIVIRAL SILENCING RNA MOLECULES WITH ENHANCED CELL PENETRATING ABILITIES, PHARMACEUTICAL COMPOSITIONS COMPRISING SAME AND USES THEREOF FOR TREATMENT OF VIRAL INFECTIONS
- [54] MOLECULES D'ARN DE SILENCAGE ANTIVIRAL, MOLECULES D'ARN DE SILENCAGE ANTIVIRAL MODIFIEES CHIMIQUEMENT PRESENTANT DES CAPACITES DE PENETRATION CELLULAIRE AMELIOREES, COMPOSITIONS PHARMACEUTIQUES LES COMPRENANT ET LEURS UTILISATIONS POUR LE TRAITEMENT D'INFECTIONS VIRALE
- [72] BALTZIS, DIONISSIOS, CA
- [72] FURUCHI, YASUHIRO, JP
- [72] CHANO, TOKUHIRO, JP
- [72] UENO, YOSHIHITO, JP
- [72] UI-TEI, KUMIKO, JP
- [72] ARELLA, MAX, CA
- [71] SOLSTAR PHARMA INC., CA
- [85] 2023-02-28
- [86] 2021-09-09 (PCT/IB2021/058070)
- [87] (3191208)
- [30] US (63/074,619) 2020-09-04

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[21] 3,191,211
[13] A1

- [51] Int.Cl. C07K 14/705 (2006.01) C12N 5/0783 (2010.01) G01N 33/50 (2006.01)
 - [25] EN
 - [54] T CELL PHENOTYPES ASSOCIATED WITH RESPONSE TO ADOPTIVE CELL THERAPY
 - [54] PHENOTYPES DE LYMPHOCYTES T ASSOCIES A UNE REPONSE A UNE THERAPIE CELLULAIRE ADOPTIVE
 - [72] LOWERY, III FRANK J., US
 - [72] KRISHNA, SRI, US
 - [72] ROBBINS, PAUL F., US
 - [72] ROSENBERG, STEVEN A., US
 - [72] ALTAN-BONNET, GREGOIRE Y., US
 - [71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
 - [85] 2023-02-28
 - [86] 2021-09-08 (PCT/US2021/049387)
 - [87] (WO2022/055946)
 - [30] US (63/075,536) 2020-09-08
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[21] 3,191,214
[13] A1

- [51] Int.Cl. A61K 31/7088 (2006.01) A61K 31/712 (2006.01) A61P 35/00 (2006.01)
- [25] EN
- [54] TARGETING ENHANCER RNAs FOR THE TREATMENT OF PRIMARY BRAIN TUMORS
- [54] CIBLAGE D'ARN ACTIVATEURS POUR LE TRAITEMENT DE TUMEURS CEREBRALES PRIMAIRES
- [72] TAPINOS, NIKOS, US
- [72] AKOBUNDU, BLESSING, US
- [71] BROWN UNIVERSITY, US
- [71] RHODE ISLAND HOSPITAL, US
- [85] 2023-02-28
- [86] 2021-09-01 (PCT/US2021/048671)
- [87] (WO2022/051365)
- [30] US (63/073,177) 2020-09-01

[21] 3,191,215
[13] A1

- [51] Int.Cl. H04B 7/185 (2006.01)
 - [25] EN
 - [54] UNIFIED PLATFORM FOR NANOSATELLITE SYSTEMS
 - [54] PLATEFORME UNIFIEE POUR SYSTEMES DE NANO-SATELLITES
 - [72] CHATZIS, ANTONIOS NIKOLAI, BG
 - [72] NAYDENOV, MILEN VASILEV, BG
 - [72] KRACHMAROV, GEORGI VASSILEV, BG
 - [72] DIMITROV, PHILIP SVETLOZAROV, BG
 - [71] "ENDUROSAT" JOINT STOCK COMPANY, BG
 - [85] 2023-02-28
 - [86] 2021-02-11 (PCT/BG2021/000007)
 - [87] (WO2022/082275)
 - [30] BG (113251) 2020-10-22
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[21] 3,191,216
[13] A1

- [51] Int.Cl. A24F 40/40 (2020.01) A24F 40/20 (2020.01) A24F 40/46 (2020.01)
- [25] EN
- [54] AEROSOL-GENERATING DEVICE
- [54] DISPOSITIF DE GENERATION D'AEROSOL
- [72] AN, HWIKYEONG, KR
- [71] KT&G CORPORATION, KR
- [85] 2023-02-28
- [86] 2022-06-22 (PCT/KR2022/008891)
- [87] (WO2022/270916)
- [30] KR (10-2021-0081227) 2021-06-23

[21] 3,191,217
[13] A1

- [51] Int.Cl. A01B 79/00 (2006.01) G06F 13/42 (2006.01)
 - [25] EN
 - [54] COMMUNICATION AND CONTROL SYSTEM FOR PERIPHERAL EQUIPMENT IN AGRICULTURAL TOOLS AND COMMUNICATION AND CONTROL METHOD FOR PERIPHERAL EQUIPMENT USED IN AGRICULTURAL TOOLS
 - [54] SYSTEME DE COMMUNICATION ET DE COMMANDE D'EQUIPEMENTS PERIPHERIQUES D'ENGINS AGRICOLES ET PROCEDE DE COMMUNICATION ET DE COMMANDE D'EQUIPEMENTS PERIPHERIQUES APPLIQUE A DES ENGINS AGRICOLE
 - [72] DO AMARAL ASSY, JOSE ROBERTO, BR
 - [72] BASTOS DE ALMEIDA, IGOR LUIZ, BR
 - [72] LAMARDO ALVES SILVA, LUIZ OTAVIO, BR
 - [71] DO AMARAL ASSY, JOSE ROBERTO, BR
 - [85] 2023-02-28
 - [86] 2021-09-28 (PCT/BR2021/050417)
 - [87] (WO2022/067411)
 - [30] BR (BR 102020020116-6) 2020-09-30
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[21] 3,191,218
[13] A1

- [51] Int.Cl. B29C 64/153 (2017.01) B33Y 40/20 (2020.01) B33Y 70/10 (2020.01)
- [25] EN
- [54] SELECTIVE LASER SINTERING OF POLYMERIC POWDERS EMBEDDED WITH WATER-SOLUBLE FLOW ADDITIVES
- [54] FRITTAGE LASER SELECTIF DE POUDRES POLYMERES INCORPOREEES D'ADDITIFS D'ECOULEMENT SOLUBLES DANS L'EAU
- [72] ACREMAN, KEVIN, US
- [72] DADSETAN, MAHROKH, US
- [72] HANSON, WILLIAM, US
- [72] JONES, MARSHALL SCOTT, US
- [71] EVONIK OPERATIONS GMBH, DE
- [85] 2023-02-28
- [86] 2021-08-25 (PCT/EP2021/073485)
- [87] (WO2022/053315)
- [30] US (63/075,544) 2020-09-08

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[21] 3,191,219
[13] A1

- [51] Int.Cl. C12N 15/82 (2006.01)
 - [25] EN
 - [54] **METHODS OF INCREASING FIBER IN A WHEAT GRAIN**
 - [54] **PROCEDES D'ACCROISSEMENT DE LA TENEUR EN FIBRES FIBRE DANS UN GRAIN DE BLE**
 - [72] VAN BOXTEL, JOS, US
 - [72] MOEHS, CHARLES PAUL, US
 - [72] AUSTILL, WILLIAM J., US
 - [72] LOEFFLER, DAYNA, US
 - [72] MULLENBERG, JESSICA, US
 - [71] ARCADIA BIOSCIENCES, INC., US
 - [85] 2023-02-28
 - [86] 2021-09-07 (PCT/US2021/049202)
 - [87] (WO2022/051702)
 - [30] US (63/075,278) 2020-09-07
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[21] 3,191,220
[13] A1

- [51] Int.Cl. C09K 21/00 (2006.01) C09K 21/04 (2006.01) C02B 6/44 (2006.01) H01B 11/02 (2006.01) H01B 11/06 (2006.01) H01B 11/08 (2006.01)
- [25] EN
- [54] **SUPPORTING AND ROUTING DROP LINES FROM AN ALL-DIELECTRIC SELF-SUPPORTING (ADSS) FIBER OPTIC TRUNK CABLE**
- [54] **SUPPORT ET ACHEMINEMENT DE LIGNES DE DERIVATION A PARTIR D'UN CABLE PRINCIPAL A FIBRE OPTIQUE AUTOPOINTANT TOUT DIELECTRIQUE (ADSS)**
- [72] BOXER, MARK A., US
- [72] GEORGE, JOHN E., US
- [72] KEMP, HOWARD M., US
- [72] TOLAND, HENSON P., US
- [71] OFS FITEL, LLC, US
- [85] 2023-02-28
- [86] 2021-08-31 (PCT/US2021/048432)
- [87] (WO2022/051274)
- [30] US (63/073,201) 2020-09-01

[21] 3,191,221
[13] A1

- [51] Int.Cl. G01B 21/04 (2006.01) G06T 7/80 (2017.01) H04N 5/222 (2006.01)
 - [25] EN
 - [54] **MOTION CAPTURE CALIBRATION USING DRONES**
 - [54] **ETALONNAGE DE CAPTURE DE MOUVEMENT AU MOYEN DE DRONES**
 - [72] MOMCILOVIC, DEJAN, NZ
 - [72] BOTTING, JAKE, NZ
 - [71] UNITY TECHNOLOGIES SF, US
 - [85] 2023-02-28
 - [86] 2021-03-17 (PCT/NZ2021/050044)
 - [87] (WO2022/045898)
 - [30] US (63/072,085) 2020-08-28
 - [30] US (63/072,088) 2020-08-28
 - [30] US (63/072,092) 2020-08-28
 - [30] US (17/120,020) 2020-12-11
 - [30] US (17/120,024) 2020-12-11
 - [30] US (17/120,031) 2020-12-11
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[21] 3,191,222
[13] A1

- [51] Int.Cl. B62D 7/15 (2006.01)
- [25] EN
- [54] **POWER PLATFORM WITH FOUR WHEEL STEERING/REAR WHEEL STEERING**
- [54] **PLATE-FORME GENERATRICE A DIRECTION A QUATRE ROUES/DIRECTION A ROUES ARRIERE**
- [72] SNEYDERS, YURI, BE
- [72] VAN ROEKEL, JEFFREY ALLEN, US
- [71] RAVEN INDUSTRIES, INC., US
- [85] 2023-02-28
- [86] 2021-09-03 (PCT/US2021/049071)
- [87] (WO2022/051625)
- [30] US (63/074,217) 2020-09-03

[21] 3,191,223
[13] A1

- [51] Int.Cl. C07C 311/39 (2006.01) A61K 31/18 (2006.01) A61K 31/4439 (2006.01) A61K 31/4453 (2006.01) A61P 35/00 (2006.01) C07C 311/43 (2006.01) C07D 213/76 (2006.01) C07D 295/26 (2006.01)
 - [25] EN
 - [54] **METHODS OF TREATING CANCER**
 - [54] **METHODES DE TRAITEMENT DU CANCER**
 - [72] BELLACOSA, ALFONSO, US
 - [72] KARANICOLAS, JOHN, US
 - [72] YEN, TIMOTHY J., US
 - [72] CORY, MICHAEL, US
 - [72] PARRY, CHRIS, US
 - [72] PRASAD, RAHUL, US
 - [71] INSTITUTE FOR CANCER RESEARCH D/B/A THE RESEARCH INSTITUTE OF FOX CHASE CANCER CENTER, US
 - [85] 2023-02-28
 - [86] 2021-08-30 (PCT/US2021/048187)
 - [87] (WO2022/047288)
 - [30] US (63/072,262) 2020-08-31
 - [30] US (63/108,299) 2020-10-31
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[21] 3,191,224
[13] A1

- [51] Int.Cl. A61K 39/00 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01)
- [25] EN
- [54] **MULTISPECIFIC BINDING COMPOUNDS THAT BIND TO PD-L1**
- [54] **COMPOSES DE LIAISON MULTISPECIFIQUES SE LIANT A PD-L1**
- [72] GU, SHENDA, US
- [72] CHEN, SHIHAO, US
- [72] SCHWIMMER, LAUREN, US
- [71] QLSF BIOTHERAPEUTICS, INC., US
- [85] 2023-02-28
- [86] 2021-10-15 (PCT/US2021/055225)
- [87] (WO2022/082005)
- [30] US (63/093,109) 2020-10-16

Demandes PCT entrant en phase nationale

<p style="text-align: right;">[21] 3,191,226</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61G 13/12 (2006.01)</p> <p>[25] FR</p> <p>[54] DEVICE FOR SUPPORTING A HUMAN BODY IN A LYING POSITION</p> <p>[54] DISPOSITIF DE SOUTIEN D'UN CORPS HUMAIN EN POSITION ALLONGEE</p> <p>[72] DAVAL, BERTRAND, FR</p> <p>[72] LE CLERC, CHRISTOPHE, FR</p> <p>[72] GIRARD, MATHIEU, FR</p> <p>[72] GUY, THOMAS, FR</p> <p>[72] JACQUIN, PHILIPPE, FR</p> <p>[72] TOUATI, GILLES, FR</p> <p>[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR</p> <p>[85] 2023-02-28</p> <p>[86] 2021-10-08 (PCT/FR2021/051751)</p> <p>[87] (WO2022/079377)</p> <p>[30] FR (FR2010418) 2020-10-12</p>

<p style="text-align: right;">[21] 3,191,229</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G01M 15/04 (2006.01) G01M 15/12 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR MONITORING THE TECHNICAL CONDITION OF A DIESEL GENERATOR WHEN IN OPERATION</p> <p>[54] PROCEDE DE CONTROLE DE L'ETAT TECHNIQUE D'UN GENERATEUR DIESEL LORS DE SON UTILISATION</p> <p>[72] ABIDOVA, ELENA ALEKSANDROVNA, RU</p> <p>[72] GORBUNOV, IGOR GENNADEVICH, RU</p> <p>[72] NIKIFOROV, VIKTOR NIKOLAEVICH, RU</p> <p>[72] PUGACHEVA, OLGA YUR'EVNA, RU</p> <p>[72] SOLOV'EV, VIKTOR IVANOVICH, RU</p> <p>[71] JOINT STOCK COMPANY "ROSENERGOATOM", RU</p> <p>[71] NATIONAL RESEARCH NUCLEAR UNIVERSITY MEPHI, RU</p> <p>[71] SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE, RU</p> <p>[85] 2023-02-28</p> <p>[86] 2020-11-27 (PCT/RU2020/000637)</p> <p>[87] (WO2022/050863)</p> <p>[30] RU (2020128924) 2020-09-01</p>
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<p style="text-align: right;">[21] 3,191,233</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. F17D 5/02 (2006.01) G01M 3/24 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR MONITORING OF LEAK-TIGHTNESS AND DETECTION OF LEAKS IN A PIPELINE WITH A VALVE</p> <p>[54] PROCEDE DE CONTROLE DE L'ETANCHEITE ET DE DECOUVERTE D'EMPLACEMENTS DE FUITES DANS DES CONDUITS AVEC UN ELEMENT DE FERMETURE.</p> <p>[72] ABIDOVA, ELENA ALEKSANDROVNA, RU</p> <p>[72] SINELSHCHIKOV, PAVEL VLADIMIROVICH, RU</p> <p>[71] JOINT STOCK COMPANY "ROSENERGOATOM", RU</p> <p>[71] NATIONAL RESEARCH NUCLEAR UNIVERSITY MEPHI (MOSCOW ENGINEERING PHYSICS, RU</p> <p>[71] SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE, RU</p> <p>[85] 2023-02-28</p> <p>[86] 2020-11-27 (PCT/RU2020/000638)</p> <p>[87] (WO2022/050864)</p> <p>[30] RU (2020128921) 2020-09-01</p>

<p style="text-align: right;">[21] 3,191,234</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A47C 31/00 (2006.01) A61G 7/057 (2006.01) A61G 13/12 (2006.01)</p> <p>[25] FR</p> <p>[54] DEVICE FOR SUPPORTING A PART OF A HUMAN BODY</p> <p>[54] DISPOSITIF DE SOUTIEN D'UNE PARTIE D'UN CORPS HUMAIN</p> <p>[72] DAVAL, BERTRAND, FR</p> <p>[72] LE CLERC, CHRISTOPHE, FR</p> <p>[72] GIRARD, MATHIEU, FR</p> <p>[72] TOUATI, GILLES, FR</p> <p>[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR</p> <p>[85] 2023-02-28</p> <p>[86] 2021-10-08 (PCT/FR2021/051750)</p> <p>[87] (WO2022/079376)</p> <p>[30] FR (FR2010419) 2020-10-12</p>

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[21] 3,191,235
[13] A1

- [51] Int.Cl. F21S 9/03 (2006.01) H05B 45/12 (2020.01)
- [25] FR
- [54] IMPROVED LIGHTING DEVICE
- [54] DISPOSITIF D'ECLAIRAGE AMELIORE
- [72] CHQUIRY, DAVID, FR
- [71] GREEN TECH INNOVATIONS, FR
- [85] 2023-02-28
- [86] 2021-08-30 (PCT/EP2021/073826)
- [87] (WO2022/043539)
- [30] FR (FR2008773) 2020-08-28

[21] 3,191,236
[13] A1

- [51] Int.Cl. G01M 13/045 (2019.01)
- [25] EN
- [54] METHOD FOR DIAGNOSING THE TECHNICAL CONDITION OF ROTATING EQUIPMENT
- [54] PROCEDE DE DIAGNOSTIC DE L'ETAT TECHNIQUE D'UN EQUIPEMENT A ROTOR
- [72] ABIDOVA, ELENA ALEKSANDROVNA, RU
- [72] BABENKO, ROMAN GENNADEVICH, RU
- [71] JOINT STOCK COMPANY "ROSENERGOATOM", RU
- [71] NATIONAL RESEARCH NUCLEAR UNIVERSITY MEPHI (MOSCOW ENGINEERING PHYSICS INSTITUTE), RU
- [71] SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE, RU
- [85] 2023-02-28
- [86] 2020-11-27 (PCT/RU2020/000639)
- [87] (WO2022/050865)
- [30] RU (2020128922) 2020-09-01

[21] 3,191,237
[13] A1

- [51] Int.Cl. F28G 3/16 (2006.01)
- [25] EN
- [54] METHOD FOR CLEANING THE HEAT EXCHANGE TUBES OF STEAM GENERATORS IN A NUCLEAR POWER STATION
- [54] PROCEDE DE NETTOYAGE DE TUBES D'ECHANGE DE CHALEUR DE GENERATEURS DE VAPEUR DANS UNE CENTRALE NUCLEAIRE
- [72] EVSEENKO, GENNADII VASILEVICH, RU
- [72] SHCHETININ, GENNADII NIKOLAEVICH, RU
- [72] ROMANCHUK, VITALII BORISOVICH, RU
- [72] SALISHCHEV, SERGEI ALEKSANDROVICH, RU
- [71] JOINT STOCK COMPANY "ROSENERGOATOM", RU
- [71] ATOMENERGOREMONT JOINT-STOCK COMPANY, RU
- [71] LLC "KROK", RU
- [71] SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE, RU
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- [86] 2020-11-27 (PCT/RU2020/000640)
- [87] (WO2022/050866)
- [30] RU (2020128922) 2020-09-01

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- [25] EN
- [54] ARRANGEMENT AND SYSTEM FOR REPAIRING THE LINING OF A SPENT FUEL POOL
- [54] COMPLEXE ET SYSTEME DE REPARATION DE PAREMENT DE PISCINE DE RETENTION
- [72] BATANOV, ALEKSANDR FEDOROVICH, RU
- [72] CHERTOV, SVIATOSLAV IVANOVICH, RU
- [72] BASHLAI, ANTON PAVLOVICH, RU
- [72] TRUKH, SERGEI FEDOROVICH, RU
- [72] VOROB'EV, DMITRII VALEREVICH, RU
- [72] LAVERYCHEV, ILYA GENNAD'EVICH, RU
- [72] SHUBNIAKOV, DMITRII VLADIMIROVICH, RU
- [72] GOROKHOV, SERGEI MIKHAILOVICH, RU
- [72] MAKAROV, IVAN VASIL'EVICH, RU
- [72] TRUKHANOV, KIRILL ALEKSEEVICH, RU
- [72] VOLOBUEV, YURIY SERGEEVICH, RU
- [72] RAZYGRAEV, NIKOLAI PAVLOVICH, RU
- [71] JOINT STOCK COMPANY "ROSENERGOATOM", RU
- [71] LLC "SKTB PR", RU
- [71] JSC "NPO 'TSNIITMASH", RU
- [71] SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE, RU
- [85] 2023-02-28
- [86] 2020-11-27 (PCT/RU2020/000641)
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- [30] RU (2020136095) 2020-11-03
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 - [25] EN
 - [54] MOTILE SPERM DOMAIN CONTAINING PROTEIN 2 ANTIBODIES AND METHODS OF USE THEREOF
 - [54] ANTICORPS DE PROTEINE 2 CONTENANT UN DOMAINE DU SPERME MOTILE ET LEURS METHODES D'UTILISATION
 - [72] MENDEL, ITZHAK, IL
 - [72] YACOV, NIVA, IL
 - [72] FEIGE, EREZ, IL
 - [72] BREITBART, EYAL, IL
 - [71] VASCULAR BIOGENICS LTD., IL
 - [85] 2023-02-28
 - [86] 2021-09-09 (PCT/IB2021/058224)
 - [87] (WO2022/053985)
 - [30] US (63/076,697) 2020-09-10
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- [25] EN
- [54] CORIUM LOCALIZING AND COOLING SYSTEM OF A NUCLEAR REACTOR
- [54] SYSTEME DE LOCALISATION ET DE REFROIDISSEMENT DE LA MASSE EN FUSION DE LA ZONE ACTIVE D'UN REACTEUR NUCLEAIRE
- [72] SIDOROV, ALEKSANDR STALEVICH, RU
- [72] SIDOROVA, NADEZHDA VASILIEVNA, RU
- [72] DZBANOVSKAYA, TATYANA YAROPOLKOVNA, RU
- [72] BADESCHKO, KSENIYA KONSTANTINOVNA, RU
- [71] JOINT-STOCK COMPANY "ATOMENERGOPROEKT", RU
- [71] SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE, RU
- [85] 2023-02-28
- [86] 2021-11-09 (PCT/RU2021/000492)
- [87] (WO2022/103301)
- [30] RU (2020136899) 2020-11-10

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 - [25] EN
 - [54] ASSESSING THE RESPONSE TO TREATMENT OF SINUSITIS
 - [54] EVALUATION DE LA REONSE AU TRAITEMENT DE LA SINUSITE
 - [72] YOU, CHANGCHENG, US
 - [72] PHAM, QUYNH, US
 - [72] CONCAGH, DANNY, US
 - [71] LYRA THERAPEUTICS, INC., US
 - [85] 2023-02-28
 - [86] 2021-09-02 (PCT/US2021/048911)
 - [87] (WO2022/051533)
 - [30] US (63/074,283) 2020-09-03
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- [25] EN
- [54] CORIUM LOCALIZING AND COOLING SYSTEM OF A NUCLEAR REACTOR
- [54] SYSTEME DE LOCALISATION ET DE REFROIDISSEMENT DE LA MASSE EN FUSION DE LA ZONE ACTIVE D'UN REACTEUR NUCLEAIRE
- [72] SIDOROV, ALEKSANDR STALEVICH, RU
- [72] SIDOROVA, NADEZHDA VASILIEVNA, RU
- [72] DZBANOVSKAYA, TATYANA YAROPOLKOVNA, RU
- [72] BADESCHKO, KSENIYA KONSTANTINOVNA, RU
- [71] JOINT-STOCK COMPANY "ATOMENERGOPROEKT", RU
- [71] SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE, RU
- [85] 2023-02-28
- [86] 2021-11-09 (PCT/RU2021/000493)
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- [30] RU (2020136905) 2020-11-10

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- [25] EN
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- [54] DERIVES DE DITHIOPHOSPHATE UTILISES EN TANT QUE PRODUITS CHIMIQUES A LIBERATION DE SULFURE D'HYDROGÈNE POUR AMELIORER LA CROISSANCE DES PLANTES ET LE RENDEMENT DES CULTURES
- [72] BOWDEN, NED B., US
- [72] CARTER, JUSTIN M., US
- [72] BROWN, ERIC M., US
- [72] RANASINGHE, NIMESH, US
- [72] PAUDEL, ARJUN, US
- [72] IRISH, ERIN E., US
- [71] UNIVERSITY OF IOWA RESEARCH FOUNDATION, US
- [85] 2023-02-28
- [86] 2021-08-30 (PCT/US2021/048288)
- [87] (WO2022/051234)
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 - [54] SYSTEME DE LOCALISATION ET DE REFROIDISSEMENT DE LA MASSE EN FUSION DE LA ZONE ACTIVE D'UN REACTEUR NUCLEAIRE
 - [72] SIDOROV, ALEKSANDR STALEVICH, RU
 - [72] SIDOROVA, NADEZHDA VASILIEVNA, RU
 - [72] DZBANOVSKAYA, TATYANA YAROPOLKOVNA, RU
 - [72] BADESCHO, KSENIYA KONSTANTINOVNA, RU
 - [71] JOINT-STOCK COMPANY "ATOMENERGOPROEKT", RU
 - [71] SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE, RU
 - [85] 2023-02-28
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 - [87] (WO2022/103303)
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- [25] EN
- [54] LIGHTGUIDE OF EYEWEAR APPARATUS, EYEWEAR APPARATUS AND OPERATIONAL AND MANUFACTURING METHOD OF LIGHTGUIDE
- [54] GUIDE DE LUMIERE D'APPAREIL DE LUNETTERIE, APPAREIL DE LUNETTERIE ET PROCEDE DE FONCTIONNEMENT ET DE FABRICATION DE GUIDE DE LUMIERE
- [72] SAASTAMOINEN, TONI, FI
- [72] LAJUNEN, HANNA, FI
- [72] OLKKONEN, JUUSO, FI
- [71] DISPELIX OY, FI
- [85] 2023-02-28
- [86] 2021-10-12 (PCT/FI2021/050677)
- [87] (WO2022/079353)
- [30] FI (20206006) 2020-10-14

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 - [25] EN
 - [54] EMERGENCY COMMUNICATION SYSTEM
 - [54] SYSTEME DE COMMUNICATION D'URGENCE
 - [72] MCKINLEY, DAPHNE, MC
 - [71] MCKINLEY, DAPHNE, MC
 - [85] 2023-02-28
 - [86] 2021-09-01 (PCT/IB2021/057994)
 - [87] (WO2022/049506)
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- [25] EN
- [54] RE-ENTRY DEVICE FOR VESSEL RECANALIZATION USING A SUBINTIMAL TECHNIQUE
- [54] DISPOSITIF DE RE-ENTREE POUR RECANALISATION DE VAISSEAU A L'AIDE D'UNE TECHNIQUE SOUS-INTIMALE
- [72] YOUNG, AMANDA, US
- [72] THOMAS, KYLE ANDREW, US
- [72] HARRIS, KEITH, US
- [72] SOLOMON, CLINT, US
- [72] MESSINA, GENEVIEVE, US
- [71] C.R. BARD, INC., US
- [85] 2023-02-28
- [86] 2020-09-22 (PCT/US2020/051900)
- [87] (WO2022/066137)

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 - [25] EN
 - [54] MODIFIED CORONAVIRUS STRUCTURAL PROTEIN
 - [54] PROTEINE STRUCTURALE DE CORONAVIRUS MODIFIEE
 - [72] D'AOUST, MARC-ANDRE, CA
 - [72] LAVOIE, PIERRE-OLIVIER, CA
 - [71] MEDICAGO INC., CA
 - [85] 2023-02-28
 - [86] 2021-08-31 (PCT/CA2021/051201)
 - [87] (WO2022/047575)
 - [30] US (63/073,327) 2020-09-01
 - [30] US (63/211,716) 2021-06-17
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- [25] EN
- [54] WATER DIGGER
- [54] EXCAVATRICE FLOTTANTE
- [72] KRASS DE KRASSNOKUTSKI, ALEXEI EGMAR, ZA
- [71] KRASS DE KRASSNOKUTSKI, ALEXEI EGMAR, ZA
- [85] 2023-02-28
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- [87] (WO2022/043963)
- [30] ZA (2020/05406) 2020-08-31

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[25] EN
[54] IL-2 MUTANT AND APPLICATION THEREOF
[54] MUTANT D'IL-2 ET SON UTILISATION
[72] HU, YINGYING, CN
[72] CAO, ZHUOXIAO, CN
[72] TANG, RENHONG, CN
[72] GE, HU, CN
[72] FU, YAYUAN, CN
[72] REN, JINSHENG, CN
[71] SHANDONG SIMCERE BIOPHARMACEUTICAL CO., LTD., CN
[85] 2023-02-28
[86] 2021-09-03 (PCT/CN2021/116463)
[87] (WO2022/048640)
[30] CN (202010918842.0) 2020-09-04
[30] CN (202110932286.7) 2021-08-13

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[51] Int.Cl. B01F 35/513 (2022.01) B01F 21/00 (2022.01) B01F 23/50 (2022.01) B01F 31/00 (2022.01) B01F 33/00 (2022.01) A61K 9/08 (2006.01) A61K 9/10 (2006.01)
[25] EN
[54] METHODS OF PREPARING MODIFIED DOSAGE FORMS AND RELATED COMPONENTS
[54] PROCEDES DE PREPARATION DE FORMES POSOLOGIQUES MODIFIEES ET COMPOSANTS ASSOCIES
[72] TANEJA, RAJNEESH, US
[72] SCARIM, JOSEPH ANTHONY, US
[71] THE GLOBAL ALLIANCE FOR TB DRUG DEVELOPMENT, INC., US
[85] 2023-02-28
[86] 2021-08-30 (PCT/US2021/048222)
[87] (WO2022/051224)
[30] US (63/073,049) 2020-09-01
[30] US (63/167,988) 2021-03-30

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[51] Int.Cl. A61B 18/12 (2006.01)
[25] EN
[54] SIGNAL GENERATORS FOR USE WITH TISSUE MODIFICATION SYSTEMS
[54] GENERATEURS DE SIGNAUX DESTINES A ETRE UTILISES AVEC DES SYSTEMES DE MODIFICATION DE TISSU
[72] GUNDERT, TIMOTHY J., US
[72] FRIEDRICHHS, PAUL B., US
[71] GALVANIZE THERAPEUTICS, INC., US
[85] 2023-02-28
[86] 2021-05-05 (PCT/US2021/030911)
[87] (WO2022/055560)
[30] US (63/077,022) 2020-09-11
[30] US (17/227,232) 2021-04-09

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[25] EN
[54] AEROSOL-GENERATING DEVICE
[54] DISPOSITIF DE GENERATION D'AEROSOL
[72] AN, HWIKYEONG, KR
[71] KT&G CORPORATION, KR
[85] 2023-02-28
[86] 2022-06-22 (PCT/KR2022/008892)
[87] (WO2022/270917)
[30] KR (10-2021-0081228) 2021-06-23

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[51] Int.Cl. A61K 31/05 (2006.01) A61K 45/06 (2006.01) A61P 25/08 (2006.01)
[25] EN
[54] USE OF CANNABIDIVARIN IN THE TREATMENT OF SEIZURES ASSOCIATED WITH RARE EPILEPSY SYNDROMES RELATED TO GENETIC ABNORMALITIES
[54] UTILISATION DE CANNABIDIVARINE DANS LE TRAITEMENT DE CRISES ASSOCIEES A DES SYNDROMES EPILEPTIQUES RARES LIES A DES ANOMALIES GENETIQUES
[72] LAWSON, JOHN ANTHONY, AU
[71] GW RESEARCH LIMITED, GB
[85] 2023-02-28
[86] 2021-09-08 (PCT/EP2021/074661)
[87] (WO2022/053486)
[30] GB (2014250.1) 2020-09-10

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[51] Int.Cl. C12N 9/04 (2006.01) C12N 9/10 (2006.01) C12N 9/16 (2006.01) C12N 9/88 (2006.01) C12N 15/52 (2006.01) C12P 7/28 (2006.01)
[25] EN
[54] METHODS AND CELLS FOR PRODUCTION OF VOLATILE COMPOUNDS
[54] PROCEDES ET CELLULES POUR LA PRODUCTION DE COMPOSES VOLATILS
[72] POGREBNYAKOV, IVAN, DK
[72] NIELSEN, ALEX TOFTGAARD, DK
[71] DANMARKS TEKNISKE UNIVERSITET, DK
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[86] 2021-09-01 (PCT/EP2021/074134)
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[30] EP (20193767.9) 2020-09-01

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 - [25] EN
 - [54] OCCUPANT RESPIRATION ISOLATION METHOD
 - [54] METHODE D'ISOLEMENT DE LA RESPIRATION D'UN OCCUPANT
 - [72] SORENSEN, TOM LEE, US
 - [71] INTERNATIONAL TRUCK INTELLECTUAL PROPERTY COMPANY, LLC, US
 - [85] 2023-02-28
 - [86] 2021-08-20 (PCT/US2021/046856)
 - [87] (WO2022/060529)
 - [30] US (63/079,770) 2020-09-17
 - [30] US (17/158,271) 2021-01-26
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- [25] EN
- [54] BIODEGRADABLE COMPOSITE MATERIAL OF PURE AMYLOSE AND CELLULOSE NANOFIBRES OR CELLULOSE NANOCRYSTALS
- [54] MATERIAU COMPOSITE BIODEGRADABLE D'AMYLOSE PURE ET DE NANOFIBRES DE CELLULOSE OU DE NANOCRISTEAUX DE CELLULOSE
- [72] JORGENSEN, BODIL, DK
- [72] ULVSKOV, PETER, DK
- [72] BLENNOW, ANDREAS, DK
- [72] FAISAL, MARWA, DK
- [71] UNIVERSITY OF COPENHAGEN, DK
- [85] 2023-02-28
- [86] 2021-09-03 (PCT/EP2021/074385)
- [87] (WO2022/049254)
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 - [25] EN
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 - [54] DISPOSITIF DE GENERATION D'AEROSOL
 - [72] AN, HWIKYEONG, KR
 - [71] KT&G CORPORATION, KR
 - [85] 2023-02-28
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 - [87] (WO2022/270918)
 - [30] KR (10-2021-0081229) 2021-06-23
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- [51] Int.Cl. G08G 5/00 (2006.01)
- [25] EN
- [54] FLIGHT MANAGEMENT APPARATUS, FLYING OBJECT, FLIGHT MANAGEMENT SYSTEM, DISTRIBUTED SYSTEM, FLIGHT MANAGEMENT METHOD, FLIGHT CONTROL METHOD AND PROGRAM
- [54] APPAREIL DE GESTION DE VOL, OBJET VOLANT, SYSTEME DE GESTION DE VOL, SYSTEME DECENTRALISE, PROCEDE DE GESTION DE VOL, PROCEDE DE COMMANDE DE VOL ET PROGRAMME
- [72] BENEDEK, AARON SANJAYA, JP
- [71] BENEDEK, AARON SANJAYA, JP
- [85] 2023-02-28
- [86] 2021-10-27 (PCT/JP2021/039633)
- [87] (WO2022/092143)
- [30] JP (PCT/JP2020/040323) 2020-10-27

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 - [25] EN
 - [54] IONIC LIQUID FORMULATIONS FOR TREATING DIABETES
 - [54] FORMULATIONS DE LIQUIDES IONIQUES DE TRAITEMENT DU DIABETE
 - [72] BROWN, TYLER, US
 - [72] IBSEN, KELLY, US
 - [71] I2O THERAPEUTICS, INC., US
 - [85] 2023-02-28
 - [86] 2021-08-31 (PCT/US2021/048537)
 - [87] (WO2022/051304)
 - [30] US (63/073,172) 2020-09-01
 - [30] US (63/154,461) 2021-02-26
 - [30] US (63/160,575) 2021-03-12
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- [51] Int.Cl. A24F 40/57 (2020.01)
- [25] EN
- [54] AEROSOL-GENERATING DEVICE OPERABLE IN AN AEROSOL-RELEASING MODE AND IN A PAUSE MODE
- [54] DISPOSITIF DE GENERATION D'AEROSOL UTILISABLE EN MODE DE LIBERATION D'AEROSOL ET EN MODE PAUSE
- [72] BUTIN, YANNICK, CH
- [72] STURA, ENRICO, CH
- [72] VALDEZ ROJAS, EZEQUIEL, CH
- [72] NESOVIC, MILICA, CH
- [72] OLIANA, VALERIO, CH
- [72] HAU, DANIELA, CH
- [71] PHILIP MORRIS PRODUCTS S.A., CH
- [85] 2023-02-28
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- [87] (WO2022/049019)
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<p>[21] 3,191,283 [13] A1</p> <p>[51] Int.Cl. G02B 6/38 (2006.01)</p> <p>[25] EN</p> <p>[54] MALE PLUG OPTICAL CONNECTORS HAVING A CONVERSION ADAPTER FOR MATING WITH DISSIMILAR CONNECTOR</p> <p>[54] CONNECTEURS OPTIQUES A FICHE MALE AYANT UN ADAPTEUR DE CONVERSION POUR S'ACCOUPLER AVEC UN CONNECTEUR DIFFERENT</p> <p>[72] BACA, ADRA SMITH, US</p> <p>[72] BARNETTE, JR. ROBERT ELVIN, US</p> <p>[72] DE JONG, MICHAEL, US</p> <p>[72] FRY, TREVOR HAMPTON, US</p> <p>[72] JONES, ASHLEY WESLEY, US</p> <p>[72] MCDONALD, ALVIN JOHN, US</p> <p>[72] MUELLER-SCHLOMKA, GORDON, DE</p> <p>[72] ROSSON, JOEL CHRISTOPHER, US</p> <p>[72] TRAN, HIEU VINH, US</p> <p>[71] CORNING RESEARCH & DEVELOPMENT CORPORATION, US</p> <p>[85] 2023-02-28</p> <p>[86] 2021-08-30 (PCT/US2021/048139)</p> <p>[87] (WO2022/047277)</p> <p>[30] US (63/072,763) 2020-08-31</p> <p>[30] US (63/105,583) 2020-10-26</p>
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[21] 3,191,285
[13] A1

[51] Int.Cl. C12Q 1/6886 (2018.01)
[25] EN
[54] METHODS AND COMPOSITIONS FOR TARGETING CYTOSOLIC DSDNA SIGNALING IN CHROMOSOMALLY UNSTABLE CANCERS
[54] METHODES ET COMPOSITIONS DE CIBLAGE DE LA SIGNALISATION D'ADN DOUBLE BRIN CYTOSIQUE DANS DES CANCERS A INSTABILITE CHROMOSOMIQUE
[72] BAKHOUM, SAMUEL, US
[72] LI, JUN, US
[71] MEMORIAL SLOAN KETTERING CANCER ENTER, US
[85] 2023-02-28
[86] 2021-09-01 (PCT/US2021/048743)
[87] (WO2022/051420)
[30] US (63/073,621) 2020-09-02

[21] 3,191,286
[13] A1

[51] Int.Cl. A61B 18/08 (2006.01)
[25] EN
[54] MEDICAL DEVICE INCLUDING EXPANDABLE MUSCLE POLYMER
[54] DISPOSITIF MEDICAL COMPRENANT UN MUSCLE-POLYMER DILATABLE
[72] HUFFER, KATHERINE, US
[72] SIMMONS, BRANDON, US
[72] WRIGHT, MARK NICHOLAS, US
[72] ALLARD, RONDA, US
[72] HEBERT, CASEY, US
[71] BARD PERIPHERAL VASCULAR, INC., US
[85] 2023-02-28
[86] 2020-09-11 (PCT/US2020/050301)
[87] (WO2022/055491)

[21] 3,191,287
[13] A1

[51] Int.Cl. G02B 6/38 (2006.01)
[25] EN
[54] MULTI-FIBER OPTICAL CONNECTORS AND METHODS OF MAKING THE SAME
[54] CONNECTEURS OPTIQUES A FIBRES MULTIPLES ET PROCEDES DE FABRICATION DE CEUX-CI
[72] BACA, ADRA SMITH, US
[72] BARNETTE, JR. ROBERT ELVIN, US
[72] DE JONG, MICHAEL, US
[72] FRY, TREVOR HAMPTON, US
[72] MCDONALD, ALVIN JOHN, US
[72] MUELLER-SCHLOMKA, GORDON, DE
[72] TRAN, HIEU VINH, US
[71] CORNING RESEARCH & DEVELOPMENT CORPORATION, US
[85] 2023-02-28
[86] 2021-08-30 (PCT/US2021/048135)
[87] (WO2022/047275)
[30] US (63/072,763) 2020-08-31
[30] US (63/105,583) 2020-10-26

[21] 3,191,289
[13] A1

[51] Int.Cl. A61B 5/319 (2021.01) A61B 5/327 (2021.01)
[25] EN
[54] ELECTROCARDIOGRAM LEAD RECONSTRUCTION USING MACHINE LEARNING
[54] RECONSTRUCTION DE DERIVATION D'ELECTROCARDIOGRAMME A L'AIDE DE L'APPRENTISSAGE MACHINE
[72] GRANDE, ALEJANDRO, US
[72] CALPE MARAVILLA, JAVIER, US
[72] REDON SEGRERA, MONICA, US
[72] GOPINATHAN, VENUGOPAL, US
[72] AKL, TONY, US
[71] ANALOG DEVICES INTERNATIONAL UNLIMITED COMPANY, IE
[85] 2023-02-28
[86] 2021-08-19 (PCT/EP2021/073097)
[87] (WO2022/043196)
[30] US (63/071,803) 2020-08-28

[21] 3,191,290
[13] A1

[51] Int.Cl. E04B 2/96 (2006.01)
[25] EN
[54] MOUNTING SYSTEM FOR BUILDING PANELS
[54] SYSTEME DE MONTAGE POUR PANNEAUX DE CONSTRUCTION
[72] VITTADINI, ANDREA, US
[72] MASSAROTTO, ALESSANDRO, IT
[72] ZARDETTO, MARCO, IT
[72] ANDRETTA, LUCA, IT
[72] KUMAR, SAMEER, US
[72] KIRKHAM, MATT, US
[71] ASSEMBLY OSM, INC., US
[85] 2023-02-28
[86] 2021-09-09 (PCT/US2021/071403)
[87] (WO2022/056534)
[30] US (63/075,979) 2020-09-09

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[13] A1

[51] Int.Cl. C12Q 1/68 (2018.01) C12Q 1/686 (2018.01)
[25] EN
[54] METHOD FOR PREPARING TEST SOLUTION FOR PATHOGEN DETECTION PURPOSE, SYSTEM, KIT, DETECTION PRIMER AND METHOD THEREBY
[54] PROCEDE DE PREPARATION D'UNE SOLUTION D'ESSAI POUR LA DETECTION D'AGENTS PATHOGENES, SYSTEME, KIT, AMORCE DE DETECTION ET PROCEDE ASSOCIE
[72] QIAN, M, CN
[72] LI, TONGXIN, CN
[72] QIAN, MINGXIN, CN
[71] TONGLI BIOMEDICAL CO., LTD., CN
[85] 2023-02-28
[86] 2021-08-27 (PCT/CN2021/115118)
[87] (WO2022/042702)
[30] CN (202010889216.3) 2020-08-28

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[13] A1

[51] Int.Cl. C11D 3/00 (2006.01) C11D 3/386 (2006.01) C11D 3/42 (2006.01) C11D 3/48 (2006.01) C11D 3/50 (2006.01) C11D 17/00 (2006.01) C11D 17/04 (2006.01)
[25] EN
[54] CONTAINER COMPRISING A PLURALITY OF PASTILLES AND PASTILLE COMPRISING A MAJOR SOLID PHASE AND A MINOR SOLID PHASE
[54] RECIPIENT COMPRENANT UNE PLURALITE DE PASTILLES ET PASTILLE COMPORTANT UNE PHASE SOLIDE PRINCIPALE ET UNE PHASE SOLIDE MINEURE
[72] HARRISON, J. DREW, US
[71] VALUE SMART PRODUCTS, INC., US
[85] 2023-02-28
[86] 2021-08-31 (PCT/US2021/048330)
[87] (WO2022/051239)
[30] US (63/073,160) 2020-09-01

[21] **3,191,293**
[13] A1

[51] Int.Cl. C08K 5/3437 (2006.01) C08K 13/02 (2006.01) C08L 7/00 (2006.01) C08L 9/00 (2006.01)
[25] EN
[54] RUBBER COMPOSITION WITH REDUCED ODOR AND GOOD THERMAL OXIDATIVE AGING-RESISTANT AND ANTI-FATIGUE PROPERTIES
[54] COMPOSITION DE CAOUTCHOUC PRESENTANT UNE ODEUR REDUITE ET UNE BONNE RESISTANCE AU VIEILLISSEMENT PAR OXYDATION THERMIQUE ET DE BONNES PROPRIETES ANTI-FATIGUE
[72] GAO, YANG, CN
[72] ZHANG, JIN, CN
[72] TANG, ZHIMIN, CN
[71] SENNICS CO., LTD., CN
[85] 2023-02-28
[86] 2021-10-13 (PCT/CN2021/123479)
[87] (WO2022/078372)
[30] CN (202011090561.7) 2020-10-13

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[13] A1

[51] Int.Cl. A61K 33/18 (2006.01) A01N 59/12 (2006.01) A01P 1/00 (2006.01) A61K 31/047 (2006.01) A61L 2/18 (2006.01) A61P 1/02 (2006.01) A61P 31/00 (2006.01)
[25] EN
[54] IODINE AND POLYOL COMPOSITION, METHOD, AND USE
[54] COMPOSITION D'IODE ET DE POLYOL, PROCEDE ET UTILISATION
[72] GOODMAN, JANICE RAE, CA
[71] GOODMAN, JANICE RAE, CA
[85] 2023-02-28
[86] 2021-10-12 (PCT/CA2021/051430)
[87] (WO2022/077100)
[30] US (63/090,861) 2020-10-13

[21] **3,191,295**
[13] A1

[51] Int.Cl. B25J 9/00 (2006.01)
[25] FR
[54] EXOSKELETON COMPRISING AN ELASTIC ELEMENT
[54] EXOSQUELETTE COMPRENNANT UN ELEMENT ELASTIQUE
[72] MASSONNIER, SIMON, FR
[71] HUMAN MECHANICAL TECHNOLOGIES, FR
[85] 2023-02-28
[86] 2021-09-07 (PCT/EP2021/074543)
[87] (WO2022/053447)
[30] FR (FR2009098) 2020-09-08

[21] **3,191,296**
[13] A1

[51] Int.Cl. A61B 17/86 (2006.01) A61B 17/90 (2006.01)
[25] EN
[54] TRACTION PIN ASSEMBLIES, COMPONENTS, SYSTEMS, AND METHODS
[54] ENSEMBLES BROCHE DE TRACTION, ELEMENTS CONSTITUTIFS, SYSTEMES ET PROCEDES
[72] BORGmann, GEOFF, CA
[72] BUCHAN, LAWRENCE, CA
[72] CANCILLA, MICHAEL, CA
[72] KODOSKY, JOHN THOMAS, CA
[72] KODOSKY, JOHN THOMAS, CA
[71] ARBUTUS MEDICAL INC., CA
[85] 2023-02-28
[86] 2021-09-03 (PCT/CA2021/051227)
[87] (WO2022/047593)
[30] US (63/074,833) 2020-09-04

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[21] 3,191,297

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- [51] Int.Cl. G01S 13/00 (2006.01) G01S 13/02 (2006.01) G01S 13/06 (2006.01) G01S 13/58 (2006.01) G01S 13/87 (2006.01) G01S 13/91 (2006.01)
 - [25] FR
 - [54] BI-STATIC OR MULTI-STATIC RADAR SYSTEM FOR AERIAL SURVEILLANCE WITH SPATIAL ILLUMINATION
 - [54] SYSTEME RADAR BI-STATIQUE OU MULTI-STATIQUE POUR LA SURVEILLANCE AERIENNE AVEC ILLUMINATION SPATIALE
 - [72] JEANNIN, NICOLAS, FR
 - [72] VOULOUZAN, FREDERIC, FR
 - [72] BERTHEUX, PHILIPPE, FR
 - [71] AIRBUS DEFENCE AND SPACE SAS, FR
 - [85] 2023-02-28
 - [86] 2021-09-07 (PCT/EP2021/074553)
 - [87] (WO2022/053452)
 - [30] FR (FR2009148) 2020-09-10
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- [51] Int.Cl. G02B 6/38 (2006.01)
- [25] EN
- [54] MALE PLUG OPTICAL CONNECTORS CONFIGURED FOR MATING WITH DISSIMILAR CONNECTOR
- [54] CONNECTEURS OPTIQUES A FICHE MALE CONFIGURES POUR S'ACCOUPLER AVEC UN CONNECTEUR DIFFERENT
- [72] BACA, ADRA SMITH, US
- [72] BARNETTE, JR. ROBERT ELVIN, US
- [72] DE JONG, MICHAEL, US
- [72] FRY, TREVOR HAMPTON, US
- [72] JONES, ASHLEY WESLEY, US
- [72] MCDONALD, ALVIN JOHN, US
- [72] MUELLER-SCHLOMKA, GORDON, DE
- [72] ROSSON, JOEL CHRISTOPHER, US
- [72] TRAN, HIEU VINH, US
- [71] CORNING RESEARCH & DEVELOPMENT CORPORATION, US
- [85] 2023-02-28
- [86] 2021-08-30 (PCT/US2021/048138)
- [87] (WO2022/047276)
- [30] US (63/072,763) 2020-08-31
- [30] US (63/105,583) 2020-10-26

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- [51] Int.Cl. F21S 6/00 (2006.01) H05B 47/155 (2020.01) F21V 33/00 (2006.01)
 - [25] EN
 - [54] LIGHTING SYSTEM FOR VIDEO CONFERENCE PARTICIPANTS
 - [54] SYSTEME D'ECLAIRAGE POUR PARTICIPANTS A UNE VIDEOCONFERENCE
 - [72] WALSH, JANE M. O'LOUGHLIN, US
 - [71] UNDER SILVER LINING INDUSTRIES LLC, US
 - [85] 2023-02-28
 - [86] 2021-08-30 (PCT/US2021/048159)
 - [87] (WO2022/051202)
 - [30] US (63/073,014) 2020-09-01
 - [30] US (63/112,760) 2020-11-12
 - [30] US (63/156,664) 2021-03-04
 - [30] US (17/399,960) 2021-08-11
 - [30] US (63/079,079) 2020-09-16
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[13] A1

- [51] Int.Cl. G06F 16/9032 (2019.01) G06Q 30/06 (2023.01) G06Q 40/02 (2023.01) G06N 3/00 (2023.01)
- [25] EN
- [54] METHOD AND SYSTEM FOR PROVIDING VIRTUAL SERVICES
- [54] PROCEDE ET SYSTEME DE FOURNITURE DE SERVICES VIRTUELS
- [72] ECKERT, JURGEN, DE
- [72] HORF, MICHAEL, DE
- [72] SCHARDT, AXEL, DE
- [71] DEGUSSA BANK AG, DE
- [85] 2023-02-28
- [86] 2022-04-26 (PCT/EP2022/061056)
- [87] (WO2022/229188)
- [30] EP (21171451.4) 2021-04-30

[21] 3,191,301

[13] A1

- [51] Int.Cl. G06Q 20/00 (2012.01)
 - [25] EN
 - [54] SYSTEM AND METHOD FOR EPHEMERAL COMPUTE WITH PAYMENT CARD PROCESSING
 - [54] SYSTEME ET PROCEDE DE CALCUL EPHEMERE AVEC TRAITEMENT DE CARTE DE PAIEMENT
 - [72] GHANI, USMAN, US
 - [72] NANJAPPA, ALMAZ, US
 - [72] KHAN, SADI, US
 - [71] HERACLES HOLDINGS, INC., US
 - [85] 2023-02-28
 - [86] 2021-09-08 (PCT/US2021/049378)
 - [87] (WO2022/055939)
 - [30] US (63/076,220) 2020-09-09
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[13] A1

- [51] Int.Cl. A61K 31/155 (2006.01) A61K 31/401 (2006.01) A61K 31/64 (2006.01) A61P 3/10 (2006.01)
- [25] EN
- [54] COMBINATION DRUG FOR THE CONTROL AND MANAGEMENT OF TYPE 2 DIABETES MELLITUS
- [54] MEDICAMENT DE COMBINAISON POUR LA LUTTE ET LA PRISE EN CHARGE DU DIABETE SUCRE DE TYPE 2
- [72] OLLERVIDES RUBIO, PAOLA YAZMIN, MX
- [72] ESPINOZA LEON, SIXTO SERAFIN, MX
- [72] CUAHUTENCOS ESCOBAR, ERNESTO, MX
- [72] GONZALEZ CANUDAS, JORGE ALEJANDRO, MX
- [71] LABORATORIOS SILANES S.A. DE C.V., MX
- [85] 2023-02-28
- [86] 2020-09-02 (PCT/MX2020/050030)
- [87] (WO2022/050832)

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[13] A1

[51] Int.Cl. G01L 3/24 (2006.01)
[25] EN
[54] METHOD AND DEVICE FOR ASCERTAINING AN EFFICIENCY AND/OR FOR CALIBRATING A TORQUE OF A ROTATING DRIVE TRAIN, IN PARTICULAR OF A WINDTURBINE
[54] PROCEDE ET DISPOSITIF DE DETERMINATION D'UN RENDEMENT ET/OU DE CALIBRAGE D'UN COUPLE D'UNE CHAINE CINEMATIQUE ROTATIVE, NOTAMMENT D'UNE INSTALLATION EOLIENNE
[72] ZHANG, HONGKUN, DE
[72] RUHLE, ANDREAS, DE
[72] FEJA, PAUL, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2023-02-28
[86] 2021-08-27 (PCT/EP2021/073808)
[87] (WO2022/049008)
[30] DE (10 2020 211 141.3) 2020-09-03

[21] 3,191,304
[13] A1

[51] Int.Cl. A61K 47/68 (2017.01) A61P 3/10 (2006.01)
[25] EN
[54] ANTIBODY-DRUG CONJUGATES COMPRISING GLP1 PEPTIDOMIMETICS AND USES THEREOF
[54] CONJUGUES ANTICORPS-MEDICAMENT COMPRENANT DES PEPTIDOMIMETIQUES DE GLP1 ET LEURS UTILISATIONS
[72] HAN, AMY, US
[72] OKAMOTO, HARUKA, US
[72] OLSON, WILLIAM, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2023-02-28
[86] 2021-09-14 (PCT/US2021/050337)
[87] (WO2022/056494)
[30] US (63/077,983) 2020-09-14

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[13] A1

[51] Int.Cl. B63J 3/04 (2006.01) B63B 25/16 (2006.01) B63H 21/17 (2006.01) C25B 1/02 (2006.01)
[25] EN
[54] USE OF HYDROGEN AND LIQUID NATURAL GAS HYBRID FUEL IN MARINE APPLICATIONS TO REDUCE CARBON FOOTPRINT
[54] UTILISATION DE CARBURANT HYBRIDE A BASE D'HYDROGÈNE ET DE GAZ NATUREL LIQUIDE DANS DES APPLICATIONS MARINES POUR REDUIRE L'EMPREINTE CARBONE
[72] PERRY, MARTIN, US
[72] COTTULI, CARL, US
[72] SINGH, SUMINDERPAL, US
[72] SRIDHAR, K.R., US
[71] BLOOM ENERGY CORPORATION, US
[85] 2023-03-01
[86] 2021-09-24 (PCT/US2021/051926)
[87] (WO2022/067021)
[30] US (63/083,179) 2020-09-25

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[13] A1

[51] Int.Cl. C07D 413/10 (2006.01) A61K 31/443 (2006.01) A61K 31/444 (2006.01) C07D 413/14 (2006.01) C07D 471/10 (2006.01)
[25] EN
[54] NOVEL COMPOUNDS AS HISTONE DEACETYLASE 6 INHIBITOR, AND PHARMACEUTICAL COMPOSITION COMPRISING THE SAME
[54] NOUVEAUX COMPOSÉS UTILISÉS COMME INHIBITEUR DE L'HISTONE DESACETYLASE 6 ET COMPOSITION PHARMACEUTIQUE LES COMPRENANT
[72] LEE, CHANG SIK, KR
[72] OH, JUNG TAEK, KR
[72] YUN, HOKEUN, KR
[72] SONG, HYESEUNG, KR
[72] KIM, HYUNJIN MICHAEL, KR
[71] CHONG KUN DANG PHARMACEUTICAL CORP., KR
[85] 2023-03-01
[86] 2021-09-01 (PCT/IB2021/057975)
[87] (WO2022/049496)
[30] KR (10-2020-0111966) 2020-09-02

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[13] A1

[51] Int.Cl. A61B 17/11 (2006.01) A61F 2/07 (2013.01)
[25] EN
[54] APPARATUS AND METHODS FOR MANAGING A SHAPE OF A JUNCTION BETWEEN A BLADDER AND URETHRA
[54] APPAREIL ET PROCÉDÉS DE GESTION DE LA FORME D'UNE JONCTION ENTRE UNE VESSIE ET UN URETRE
[72] CHOI, BRUCE S., US
[71] LEVEE MEDICAL, INC., US
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[54] FIBRES HYDROSOLUBLES A MODIFICATIONS POST-TRAITEMENT ET ARTICLES LES CONTENANT
[72] ZEESE, NICHOLAS, US
[72] KNIGHT, JONATHON, US
[72] GOETZ, RICHARD, US
[72] BRIDEWELL, VICTORIA, US
[72] SHUEY, ALYSSA, US
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- [54] PROCEDE ET CATALYSEURS POUR LA POLYMERISATION ANIONIQUE MEDIEE PAR HYDROGENE DE DIENES CONJUGUES ET POLYMERES LIQUIDES ASSOCIES
- [72] LAYMAN, JR. WILLIAM J., US
- [71] ALBEMARLE CORPORATION, US
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- [54] VISUALISATION DE DONNEES DE CAPTEUR ET SYSTEMES ET PROCEDES ASSOCIES
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- [72] THIRUVENKATANATHAN, PRADYUMNA, GB
- [71] LYTT LIMITED, GB
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- [54] COMPOSITION DE NETTOYAGE DE LAVE-VAISSELLE AUTOMATIQUE
- [72] DELPLANCKE, PATRICK FIRMIN AUGUST, BE
- [72] VAN ELSEN, KATRIEN ANDREA LIEVEN, BE
- [72] FULLER, LINSEY SARAH, GB
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- [71] THE PROCTER & GAMBLE COMPANY, US
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- [54] FLUIDE MAGNETO-RHEOLOGIQUE, PROCEDE DE FABRICATION D'UN FLUIDE MAGNETO-RHEOLOGIQUE ET DISPOSITIF A FLUIDE MAGNETO-RHEOLOGIQUE
- [72] SUZUKI, RYOTA, JP
- [71] FUJI-FILM CORPORATION, JP
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- [54] MICRO-ORGANISME RECOMBINANT POUR LA PRODUCTION D'ACIDE L-GLUTAMIQUE ET PROCEDE DE PRODUCTION D'ACIDE L-GLUTAMIQUE L'UTILISANT
- [72] KWON, NARA, KR
- [72] SONG, GYUHYEON, KR
- [72] LEE, JIN NAM, KR
- [72] BONG, HYUN-JU, KR
- [72] SEO, CHANG IL, KR
- [72] LEE, AH REUM, KR
- [71] CJ CHEILJEDANG CORPORATION, KR
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- [72] GRESH, BRIAN, US
- [72] ALDREN, BEN, US
- [72] GHAFARI, RIZK, US
- [71] TEAM INDUSTRIAL SERVICES, INC., US
- [85] 2023-03-01
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- [54] FORMULATIONS A MACHER
- [72] CHEVREAU, CLEMENT MAXIME, CH
- [72] GRENIER, PASCAL, CH
- [72] REITZ, CLAUDIA, CH
- [71] ELANCO TIERGESUNDHEIT AG, CH
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- [54] SYSTEMES ET PROCEDES DE GESTION D'INFORMATIONS DE JEU ORIENTES VERS UN INVITE
- [72] PUGLISI, NICHOLAS ANTHONY, US
- [72] LUGO, VICTOR ALEXANDER, US
- [71] UNIVERSAL CITY STUDIOS LLC, US
- [85] 2023-03-01
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- [54] SYSTEMES ET PROCEDES DE COMPLETION DE PUITS DEPLOYES DANS UN TUBAGE
- [72] ALKHALIDI, MOUSA D., US
- [71] ALKHALIDI, MOUSA D., US
- [85] 2023-03-01
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- [54] OXIDATIVE DEHYDROGENATION PROCESS
- [54] PROCEDE DE DESHYDROGENATION OXYDATIVE
- [72] GOODARZNIA, SHAHIN, CA
- [72] SIMANZHENKOV, VASILY, CA
- [72] AIFFA, MOHAMED, CA
- [72] OLAYIWOLA, BOLAJI, CA
- [71] NOVA CHEMICALS (INTERNATIONAL) S.A., CH
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- [54] COMPOSITIONS DE MATRIKINES D'ORIGINE TISSULAIRE ET PROCEDES ASSOCIES
- [72] O'NEILL, JOHN D., US
- [72] GERMANGUZ, IGAL, US
- [72] ARANDA, EVELYN, US
- [72] XIONG, JENNIFER, US
- [72] KISSEL, NATALIA, US
- [72] NICHOLS, ALEXANDRA, US
- [72] GADEE, EDDIE, US
- [72] NGUYEN, RICHARD, US
- [72] DALY, DREW, US
- [72] NYE, ANDREA, US
- [71] XYLYX BIO, INC., US
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- [54] COMPOSE PYRAZOLOPYRIDAZINONE, COMPOSITION PHARMACEUTIQUE LE CONTENANT ET SON UTILISATION
- [72] DUAN, GONGPING, CN
- [72] ZHANG, XINGMIN, CN
- [72] WANG, ZHIHUA, CN
- [72] WEI, XIANGLONG, CN
- [72] LI, MIN, CN
- [71] BROADENBIO CO., LTD., CN
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- [54] COMBINAISON PHARMACEUTIQUE ET TRAITEMENT ANTITUMORAL
- [72] MOUNIR, ZINEB, US
- [72] WAGLE, MARIE-CLAIREE, US
- [72] RAVINDRAN, NANDINI, US
- [72] PANKAJAKSHAN, DIVYA, US
- [72] LACKNER, MARK R., US
- [71] IDEAYA BIOSCIENCES, INC., US
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- [54] METHOD OF IMPROVING THE TEXTURE AND FUNCTIONALITY OF A DRY FRACTIONATED PLANT PROTEIN CONCENTRATE BEVERAGE
- [54] PROCEDE D'AMELIORATION DE LA TEXTURE ET DE LA FONCTIONNALITE D'UNE BOISSON CONCENTREE A BASE DE PROTEINES VEGETALES FRACTIONNEES A SEC
- [72] WOOSTER, TIMOTHY JAMES, CH
- [72] BORTOLIN, MARINA, CH
- [72] PENSEYRES, LUDOVIC, CH
- [72] RICHON, PIERRE-ALAIN, CH
- [72] VAIFIADI, CHRISTINA, CH
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- [54] SYSTEME, KIT, PROCEDE ET PROCESSUS DE MANIPULATION D'UN ECHANTILLON
- [72] MEDORO, GIANNI, IT
- [72] CALANCA, ALEX, IT
- [71] MENARINI SILICON BIOSYSTEMS S.P.A., IT
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- [72] DUPONT, JEFFREY SCOTT, US
- [72] KUHLMAN, ERICA LAUREN, US
- [71] INDEPENDENCE OILFIELD CHEMICALS LLC, US
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- [54] OUTIL D'INSTALLATION DE CAPTEUR DE PNEU
- [72] COTTON, RAYMOND, US
- [72] BARREAUD, PHILIPPE, US
- [71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
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- [54] SYSTEME ET PROCEDE DE MISE EN ?UVRE D'INGENIERIE DE CARACTERISTIQUES AUTOMATISEE
- [72] KANTER, JAMES MAX, US
- [72] VEERAMACHANENI, KALYAN KUMAR, US
- [71] ALTERIX, INC., US
- [85] 2023-03-01
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- [72] DALLA FONTANA, GIACOMO, IT
- [71] FARESIN FORMWORK S.P.A., IT
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- [54] COMPOSITION ADHESIVE AQUEUSE COMPORTANT UNE RESINE THERMODURCISSABLE A STABILITE AMELIOREE
- [72] DOISNEAU, DAVID, FR
- [72] RODRIGUES, ARNAUD, FR
- [71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
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[72] VAN CLEEF, STEFAN, NL
[72] WILLEMSSEN, HELEEN, NL
[72] WISSE, BOUDEWIJN MARTIN, NL
[72] HOLSCHER, MICHAEL MARTINUS, NL
[71] ALIBABY B.V., NL
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[54] DISPOSITIF ET PROCEDE POUR RETABLIR LES RACCORDS DE SOUDURE A FEUILLE DE TUBE A TUBE DANS UN EQUIPEMENT A ENVELOPPE ET TUBE
[72] COLOMBO, MARCO, IT
[71] ALFA LAVAL OLMI S.P.A., IT
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[25] FR
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[54] PROCEDE, DISPOSITIF ET PROGRAMME D'ORDINATEUR DE GESTION DE GAINS ET DE SUIVI DANS UN SYSTEME INFORMATIQUE MULTI-JEUX
[72] HUGUENIN, OLIVIER, FR
[72] MEYNIEUX, ERIC, FR
[71] FDJ GAMING SOLUTIONS FRANCE, FR
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[54] FERMETURE AVEC SECURITE ENFANT A DOUBLE VERROUILLAGE
[72] DHAWAN, DAKSH, IN
[71] SSF PLASTICS INDIA PRIVATE LIMITED, IN
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[54] PROCEDES ET SYSTEMES DESTINES A FAIRE FONCTIONNER DES BLOCS-BATTERIES
[72] JAGER, WILLEM, CA
[72] LAMBERT, TIM, US
[72] FLEMMING, ANDREW, CA
[71] ACCELERATED SYSTEMS INC., CA
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[54] PROTEINES DE LAIT RECOMBINANTES ET COMPOSITIONS LES COMPRENANT
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[72] EL-RICHANI, MAGI, US
[72] HATHWAIK, LEYLA, US
[72] KLEMASZEWSKI, JOSEPH, US
[72] KEEBAUGH, MATTHEW, US
[72] WANG, YAXIN, US
[71] NOBELL FOODS, INC., US
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 - [54] SOUS-ENSEMBLES MEMOIRE MULTIPLIES DE LYMPHOCYTES T GAMMA DELTA POUR L'IMMUNOTHERAPIE
 - [72] GUMRUKCU, SERHAT, US
 - [71] GUMRUKCU, SERHAT, US
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- [54] CHASSIS POUR VEHICULE ELECTRIQUE ET VEHICULE ELECTRIQUE COMPRENANT LE CHASSIS
- [72] PRICE, STEVEN, GB
- [72] WALOEN, KJELL, GB
- [72] NORDEN, CARL-MAGNUS, GB
- [72] GILLOTT, RUSSELL, GB
- [71] VOLTA TRUCKS LTD., GB
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 - [72] PARK, HANGIL, US
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 - [72] BRENNAN, THOMAS, US
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 - [71] WALKING FISH THERAPEUTICS, INC., US
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- [71] HITACHI CONSTRUCTION MACHINERY CO., LTD., JP
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 - [71] KNOW LABS, INC., US
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- [72] WALKER, ELANA, US
- [72] JIAO, XINZHI, US
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 - [71] DAIICHI SANKYO COMPANY, LIMITED, JP
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- [72] CHAKRABARTI, GAURAB, US
- [72] THOMPSON, DAVID, US
- [72] SIECZKIEWICZ, GREGORY, US
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- [71] 64-X, INC., US
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 - [72] SCHMITT, PETER, US
 - [72] DAVIDSON, TOM, US
 - [72] MCCAMBRIDGE, MATTHEW, US
 - [71] FLUENT METAL INC., US
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- [72] MENAND, SIMON, FR
- [72] COLLIN, ESTELLE, FR
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 - [72] BALBAO CLEMENTE BUENO DE OLIVEIRA, THAIS, BR
 - [72] ESTEVAO BRAGION DE TOLEDO, ROBERTO, BR
 - [72] FERNANDO VELHO, GILBERTO, BR
 - [72] FELICIANO, RICHARD, BR
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 - [72] DREBES DA CUNHA, MARCO ANTONIO, BR
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- [72] BABBUSH, RYAN, US
- [72] RUBIN, NICHOLAS CHARLES, US
- [72] McCLEAN, JARROD RYAN, US
- [71] GOOGLE LLC, US
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 - [72] LEE, MARK, IE
 - [71] TEAGASC - THE AGRICULTURE AND FOOD DEVELOPMENT AUTHORITY, IE
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- [72] GARCIA GONZALEZ, VICENTE MARCO, ES
- [71] ALMIRALL, S.A., ES
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 - [72] ZHOU, GUILIN, CN
 - [72] ZHANG, PENGFEI, CN
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 - [71] XINJIANG GOLDWIND SCIENCE & TECHNOLOGY CO., LTD., CN
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- [72] PHAM, DAN QUE, US
- [71] ONCODEA CORPORATION, US
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 - [72] BARCZEWSKI, NICHOLAS A., US
 - [71] EVOQUA WATER TECHNOLOGIES LLC, US
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- [72] KOPITSYN, OLEG SERGEEVICH, RU
- [72] VAKHOTIN, SERGEI ALEKSANDROVICH, RU
- [71] DEXAMERON LIMITED (DEXAMERON LTD), CY
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[71] CHRYSOS CORPORATION LIMITED, AU
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[71] AB HANDSHAKE CORPORATION, US
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[72] HARRISON, DAVID, GB
[72] SCANLON, JANE E., GB
[71] NODTHERA LIMITED, GB
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[54] PROCEDE D'INHALATION A BASE DE PLANTE POUR LE TRAITEMENT DE VIRUS RESPIRATOIRES
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[71] WEBB, CLIVE ALAN, CA
[71] WEBB, YVETTE ROSE, CA
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[72] XIA, JUN, CN
[72] ZENG, HAO, CN
[72] LIU, JIE, CN
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- [51] Int.Cl. B29C 48/00 (2019.01) B29C 48/25 (2019.01) C08L 43/02 (2006.01)
- [25] EN
- [54] POLYMER COMPOSITION THAT IS RESISTANT TO OXIDATIVE DECOMPOSITION AND ARTICLES MADE THEREFROM
- [54] COMPOSITION POLYMÈRE RESISTANTE A UNE DECOMPOSITION PAR OXYDATION ET ARTICLES FABRIQUÉS A PARTIR DE CELLE-CI
- [72] MA, ZHIRU, US
- [71] W. R. GRACE & CO.-CONN., US
- [85] 2023-03-01
- [86] 2021-08-31 (PCT/US2021/048425)
- [87] (WO2022/051271)
- [30] US (63/074,017) 2020-09-03

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- [51] Int.Cl. A61B 10/00 (2006.01) C12Q 1/6806 (2018.01) C12Q 1/70 (2006.01)
- [25] EN
- [54] KIT FOR COLLECTING SALIVA SAMPLES
- [54] KIT POUR COLLECTER DES ÉCHANTILLONS DE SALIVE
- [72] WALLERSTORFER, DANIEL, AT
- [72] ONDER, KAMIL, AT
- [71] PROCOMCURE BIOTECH GMBH, AT
- [85] 2023-03-01
- [86] 2020-09-18 (PCT/EP2020/076183)
- [87] (WO2022/058023)

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- [51] Int.Cl. C12Q 1/6825 (2018.01) B82Y 30/00 (2011.01)
- [25] EN
- [54] SINGLE MOLECULE NANOPARTICLE NANOWIRE FOR MOLECULAR ELECTRONIC SENSING
- [54] NANOFILS DE NANOParticules MONOParticulaires Pour La DETECTION ELECTRONIQUE MOLECULAIRE
- [72] MERRIMAN, BARRY, US
- [72] JAIN, SONAL, US
- [72] KENNEDY, DREW, US
- [72] GOVINDARAJ, VENKATESH ALAGARSWAMY, US
- [71] ROSWELL BIOTECHNOLOGIES, INC., US
- [85] 2023-03-01
- [86] 2021-09-02 (PCT/US2021/048946)
- [87] (WO2022/051558)
- [30] US (63/073,625) 2020-09-02

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[13] A1

- [51] Int.Cl. F16H 57/025 (2012.01)
- [25] EN
- [54] 3-POINT TORQUE SUPPORT
- [54] SUPPORT DE COUPLE A 3 POINTS
- [72] SOMMERAUER, THILO, AT
- [71] SL-TECHNIK GMBH, AT
- [85] 2023-03-01
- [86] 2020-09-04 (PCT/EP2020/074826)
- [87] (WO2022/048769)

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- [51] Int.Cl. C07C 29/132 (2006.01) B01J 38/60 (2006.01) C07C 29/60 (2006.01) C07C 31/20 (2006.01) C07C 31/22 (2006.01) C22B 34/36 (2006.01)
- [25] EN
- [54] PROCESS FOR RECOVERING AND REGENERATING A CATALYST FROM ASH
- [54] PROCEDE DE RECUPERATION ET DE REGENERATION D'UN CATALYSEUR A PARTIR DE CENDRES
- [72] ANSOVINI, DAVIDE, NL
- [72] MCKAY, BENJAMIN, NL
- [72] SINGH, JAGDEEP, NL
- [71] AVANTIUM KNOWLEDGE CENTRE B.V., NL
- [85] 2023-03-01
- [86] 2021-09-27 (PCT/EP2021/076508)
- [87] (WO2022/064039)
- [30] EP (20198772.4) 2020-09-28

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- [25] EN
- [54] MICROORGANISM PRODUCING L-VALINE AND METHOD FOR PRODUCING L-VALINE USING THE SAME
- [54] MICRO-ORGANISMES PRODUISANT DE LA L-VALINE ET PROCEDE DE PRODUCTION DE L-VALINE LES UTILISANT
- [72] CHANG, JIN SOOK, KR
- [72] KIM, SEON HYE, KR
- [72] YOON, BYOUNG HOON, KR
- [72] KIM, JU-YEON, KR
- [72] KIM, HYUNG JOON, KR
- [72] CHOI, SUN HYOUNG, KR
- [71] CJ CHEILJEDANG CORPORATION, KR
- [85] 2023-03-01
- [86] 2021-09-01 (PCT/KR2021/011717)
- [87] (WO2022/050671)
- [30] KR (10-2020-0111084) 2020-09-01

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 - [25] EN
 - [54] LITHIUM METAL COMPOSITE OXIDE, POSITIVE ELECTRODE FOR LITHIUM SECONDARY BATTERY, AND LITHIUM SECONDARY BATTERY
 - [54] OXYDE COMPOSITE DE MÉTAL DE LITHIUM, ELECTRODE POSITIVE POUR BATTERIE SECONDAIRE AU LITHIUM, ET BATTERIE SECONDAIRE AU LITHIUM
 - [72] INOUE, MASASHI, JP
 - [71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP
 - [85] 2023-03-02
 - [86] 2021-09-01 (PCT/JP2021/032134)
 - [87] (WO2022/050314)
 - [30] JP (2020-149181) 2020-09-04
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[13] A1

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- [25] EN
- [54] METHOD TO ROAST COFFEE BEANS
- [54] PROCÉDÉ DE TORREFACTION DE GRAINS DE CAFÉ
- [72] MOREND, JOEL, CH
- [72] DUBIEF, FLAVIEN FLORENT, CH
- [72] DEGREEF, THOMAS RUDI S., BE
- [72] CELIS, MICHAEL ALEXANDER, BE
- [72] LEMMENS, RIEN DENISE M., BE
- [72] BAEKELANDT, MAXIME, BE
- [71] SOCIETE DES PRODUITS NESTLE, S.A., CH
- [85] 2023-03-02
- [86] 2021-10-18 (PCT/EP2021/078827)
- [87] (WO2022/084258)
- [30] EP (20202829.6) 2020-10-20

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[13] A1

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 - [25] EN
 - [54] A SYSTEM AND METHOD FOR HANDLING PACKAGING UNITS, AND MANIPULATOR UNIT.
 - [54] SYSTEME ET PROCÉDÉ DE MANIPULATION D'UNITÉS D'EMBALLAGE ET UNITÉ DE MANIPULATEUR.
 - [72] ZWEEKHORST, PAUL HENRI, NL
 - [72] VERKUIJL, SIMON JAN, NL
 - [71] MOBA GROUP B.V., NL
 - [85] 2023-03-02
 - [86] 2021-09-13 (PCT/NL2021/050555)
 - [87] (WO2022/055356)
 - [30] NL (2026455) 2020-09-11
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[13] A1

- [51] Int.Cl. A61K 9/70 (2006.01)
 - [25] EN
 - [54] BIOERODIBLE OCULAR DRUG DELIVERY INSERT AND THERAPEUTIC METHOD
 - [54] INSERT D'ADMINISTRATION DE MEDICAMENT OCULAIRE BIOERODABLE ET MÉTHODE THÉRAPEUTIQUE
 - [72] SAIM, SAID, US
 - [72] HOWARD-SPARKS, MICHELLE, US
 - [72] PAGGIARINO, DARIO, US
 - [72] KARZOUN, BASEL, US
 - [71] EYEPOINT PHARMACEUTICALS, INC., US
 - [85] 2023-03-02
 - [86] 2021-09-13 (PCT/US2021/050085)
 - [87] (WO2022/056392)
 - [30] US (63/078,265) 2020-09-14
 - [30] US (63/176,430) 2021-04-19
 - [30] US (63/190,052) 2021-05-18
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[13] A1

- [51] Int.Cl. B07C 5/346 (2006.01)
 - [25] EN
 - [54] METHOD AND SYSTEM FOR SORTING OF DIAMONDS
 - [54] PROCÉDÉ ET SYSTÈME DE TRI DE DIAMANTS
 - [72] CHUMA, JOSEPH MONAMATI, BW
 - [72] MODISE, ERNEST GOMOLEMO, BW
 - [72] ZUNGERU, ADAMU MURTALA, BW
 - [71] BOTSWANA INTERNATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY, BW
 - [85] 2023-03-02
 - [86] 2020-09-02 (PCT/IB2020/058155)
 - [87] (WO2022/049408)
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[21] 3,191,472

[13] A1

- [51] Int.Cl. C07F 1/08 (2006.01)
 - [25] EN
 - [54] RADIONANOBÉLING AND FORMULATION FOR SCALE UP OF 64CU-DOTATATE
 - [54] RADIONARQUAGE ET FORMULATION POUR LA MISE À L'ÉCHELLE DE 64 CU-DOTATATE
 - [72] PIPES, DAVID, US
 - [72] RADFORD, LAUREN, US
 - [72] LOVELESS, SHAUN, US
 - [72] CASCIOLA, ALLAN, US
 - [71] CURIUM US LLC, US
 - [85] 2023-03-02
 - [86] 2021-09-03 (PCT/US2021/049167)
 - [87] (WO2022/051684)
 - [30] US (63/074,451) 2020-09-03
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[21] 3,191,477

[13] A1

- [51] Int.Cl. A01F 15/07 (2006.01)
- [25] EN
- [54] ROUND BALER
- [54] PRESSE À BALLES RONDES
- [72] VAN DEN HURK, NICK FRANCISCUS JOHANNES, NL
- [72] VAN DEN BOOMEN, BENNY PETRUS LAMBERTUS MARTINUS, NL
- [71] KUHN-GELDROP BV, NL
- [85] 2023-03-02
- [86] 2021-09-02 (PCT/EP2021/074233)
- [87] (WO2022/049180)
- [30] GB (2013826.9) 2020-09-03
- [30] GB (2109589.8) 2021-07-02

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<p style="text-align: right;">[21] 3,191,478</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 31/216 (2006.01) A61K 31/40 (2006.01) A61P 3/06 (2006.01)</p> <p>[25] EN</p> <p>[54] PHARMACEUTICAL COMBINATIONS OF STATINS AND FIBRATES FOR THE TREATMENT AND PREVENTION OF HYPERLIPIDEMIAS AND CARDIOVASCULAR DISEASE</p> <p>[54] COMBINAISONS PHARMACEUTIQUES DE STATINES ET FIBRATES POUR LE TRAITEMENT ET LA PREVENTION D'HYPERLIPIDEMIES ET DE MALADIES CARDIOVASCULAIRES</p> <p>[72] OLLERVIDES RUBIO, PAOLA YAZMIN, MX</p> <p>[72] GONZALEZ CANUDAS, JORGE ALEJANDRO, MX</p> <p>[72] ESPINOZA LEON, SIXTO SERAFIN, MX</p> <p>[72] FARFAN SALAZAR, CLAUDIA DELFINA, MX</p> <p>[71] LABORATORIOS SILANES S.A. DE C.V., MX</p> <p>[85] 2023-03-02</p> <p>[86] 2020-09-29 (PCT/MX2020/050034)</p> <p>[87] (WO2022/071787)</p>
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<p style="text-align: right;">[21] 3,191,479</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C22B 3/32 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR RECYCLING NICKEL, COBALT AND MANGANESE FROM FEED LIQUID CONTAINING NICKEL, COBALT AND MANGANESE</p> <p>[54] PROCEDE DE RECYCLAGE DU NICKEL, DU COBALT ET DU MANGANESE A PARTIR D'UN LIQUIDE D'ALIMENTATION CONTENANT DU NICKEL, DU COBALT ET DU MANGANESE</p> <p>[72] WANG, XUE, CN</p> <p>[71] SUZHOU BOTREE CYCLING SCI & TECH CO., LTD, CN</p> <p>[85] 2023-03-02</p> <p>[86] 2021-07-12 (PCT/CN2021/105654)</p> <p>[87] (WO2022/048307)</p> <p>[30] CN (202010921237.9) 2020-09-04</p>
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<p style="text-align: right;">[21] 3,191,480</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G02B 6/38 (2006.01) G02B 6/44 (2006.01)</p> <p>[25] EN</p> <p>[54] FIBER OPTIC STORAGE DEVICES FOR FIBER DISTRIBUTION HUBS</p> <p>[54] DISPOSITIFS DE STOCKAGE DE FIBRES OPTIQUES POUR CONCENTRATEURS DE DISTRIBUTION DE FIBRES</p> <p>[72] SCHIFFBAUER, ROBERT, US</p> <p>[72] WALDREN, STEVEN M., US</p> <p>[71] PPC BROADBAND, INC., US</p> <p>[85] 2023-03-02</p> <p>[86] 2021-09-07 (PCT/US2021/071384)</p> <p>[87] (WO2022/051779)</p> <p>[30] US (63/074,944) 2020-09-04</p>

<p style="text-align: right;">[21] 3,191,486</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A01N 65/08 (2009.01) A23L 33/105 (2016.01) A61K 8/9789 (2017.01) A61K 36/185 (2006.01) B01D 9/00 (2006.01) B01D 11/02 (2006.01) B01D 11/04 (2006.01)</p> <p>[25] EN</p> <p>[54] THC-FREE CANNABINOID CONCENTRATE, METHOD OF OBTAINING THE SAME AND USE THEREOF</p> <p>[54] CONCENTRE DE CANNABINOÏDES EXEMPT DE THC, SON PROCEDE D'OBTENTION ET SON UTILISATION</p> <p>[72] VENTURINI DEL GRECO, GIOVANNI, IT</p> <p>[72] DECORTI, DEBORHA, IT</p> <p>[72] MISURI, LIVIA, IT</p> <p>[72] MARCHI, ANDREA, IT</p> <p>[72] PIANTINI, SARA, IT</p> <p>[71] HERBOLEA BIOTECH S.P.A., IT</p> <p>[85] 2023-03-02</p> <p>[86] 2021-09-03 (PCT/EP2021/074345)</p> <p>[87] (WO2022/049232)</p> <p>[30] IT (102020000021055) 2020-09-04</p>
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<p style="text-align: right;">[21] 3,191,487</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H01M 8/18 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR MONITORING THE STATE OF A REDOX FLOW BATTERY SYSTEM</p> <p>[54] PROCEDE DE SURVEILLANCE DE L'ETAT D'UN SYSTEME DE BATTERIE REDOX</p> <p>[72] LUTH, THOMAS, DE</p> <p>[71] VOITH PATENT GMBH, DE</p> <p>[85] 2023-03-02</p> <p>[86] 2021-08-17 (PCT/EP2021/072826)</p> <p>[87] (WO2022/048904)</p> <p>[30] DE (10 2020 123 170.9) 2020-09-04</p>

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<p style="text-align: right;">[21] 3,191,490</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B64C 1/36 (2006.01) B64D 45/02 (2006.01)</p> <p>[25] FR</p> <p>[54] AIRCRAFT RADOME INCORPORATING A LIGHTNING PROTECTION SYSTEM, AND AIRCRAFT COMPRISING SUCH A RADOME</p> <p>[54] RADOME D'AERONEF INTEGRANT UN SYSTEME DE PROTECTION PARAFOUDRE ET AERONEF COMPRENANT UN TEL RADOME</p> <p>[72] GARNAUT, CHRISTOPHE, FR</p> <p>[72] MARTINS, PHILIPPE, FR</p> <p>[71] COMPOSITE INDUSTRIE, FR</p> <p>[85] 2023-03-02</p> <p>[86] 2021-09-08 (PCT/EP2021/074728)</p> <p>[87] (WO2022/053527)</p> <p>[30] FR (FR2009090) 2020-09-08</p>

<p style="text-align: right;">[21] 3,191,492</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 33/26 (2006.01) A61K 47/54 (2017.01) A61K 47/26 (2006.01) A61K 47/36 (2006.01) A61P 3/02 (2006.01) A61P 7/06 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS OF PREPARING IRON COMPLEXES</p> <p>[54] PROCEDES DE PREPARATION DE COMPLEXES A BASE DE FER</p> <p>[72] WU, CHIEN-CHIN, US</p> <p>[71] LG BIONANO, LLC, US</p> <p>[85] 2023-03-02</p> <p>[86] 2021-09-29 (PCT/US2021/052571)</p> <p>[87] (WO2022/072439)</p> <p>[30] CN (202011055787.3) 2020-09-29</p> <p>[30] CN (202011055789.2) 2020-09-29</p>
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<p style="text-align: right;">[21] 3,191,494</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. F22B 29/06 (2006.01) F22B 29/02 (2006.01)</p> <p>[25] EN</p> <p>[54] STEAM GENERATOR</p> <p>[54] GENERATEUR DE VAPEUR</p> <p>[72] MACKWELL, SAMUEL JAMES, NZ</p> <p>[71] MACKWELL PERO & CO LIMITED, NZ</p> <p>[85] 2023-03-02</p> <p>[86] 2021-08-23 (PCT/IB2021/057697)</p> <p>[87] (WO2022/049447)</p> <p>[30] NZ (767635) 2020-09-02</p>
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<p style="text-align: right;">[21] 3,191,495</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C07K 14/245 (2006.01) C12N 9/04 (2006.01) C12N 9/10 (2006.01) C12N 9/16 (2006.01) C12N 15/70 (2006.01) C12P 13/06 (2006.01)</p> <p>[25] EN</p> <p>[54] NOVEL O-PHOSPHOSERINE EXPORT PROTEIN AND METHODS FOR PRODUCING O-PHOSPHOSERINE, CYSTEINE, AND CYSTEINE DERIVATIVE USING SAME</p> <p>[54] NOUVELLE PROTEINE D'EXPORTATION DE O-PHOSPHOSERINE ET PROCEDES DE PRODUCTION DE O-PHOSPHOSERINE, DE CYSTEINE ET DE DERIVE DE CYSTEINE L'UTILISANT</p> <p>[72] PARK, HYE MIN, KR</p> <p>[72] KIM, SO-YEON, KR</p> <p>[72] SIM, HEE-JIN, KR</p> <p>[72] YOO, HYERYUN, KR</p> <p>[72] LEE, JIN NAM, KR</p> <p>[71] CJ CHEILJEDANG CORPORATION, KR</p> <p>[85] 2023-03-02</p> <p>[86] 2021-09-06 (PCT/KR2021/011994)</p> <p>[87] (WO2022/055192)</p> <p>[30] KR (10-2020-0115569) 2020-09-09</p>
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<p style="text-align: right;">[21] 3,191,497</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. F02M 61/14 (2006.01) F02M 25/03 (2006.01)</p> <p>[25] EN</p> <p>[54] CATALYST MOUNTING IN INTERNAL COMBUSTION ENGINES</p> <p>[54] MONTURE DE CATALYSEUR DANS DES MOTEURS A COMBUSTION INTERNE</p> <p>[72] SHER, ILAI, IL</p> <p>[72] SHER, ERAN, IL</p> <p>[71] HYDRO-JECT, LLC, US</p> <p>[85] 2023-03-02</p> <p>[86] 2021-09-01 (PCT/IB2021/057993)</p> <p>[87] (WO2022/049505)</p> <p>[30] GB (2013803.8) 2020-09-02</p>

<p style="text-align: right;">[21] 3,191,499</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61B 18/08 (2006.01) A61M 16/06 (2006.01)</p> <p>[25] EN</p> <p>[54] MODULAR COMMUNICATION DEVICE</p> <p>[54] DISPOSITIF DE COMMUNICATION MODULAIRE</p> <p>[72] RICCIO, LUCCA, US</p> <p>[72] RICCIO, MICHAEL, US</p> <p>[72] BRIERE, DANIEL DEAN, US</p> <p>[72] REPP, TIMOTHY CORCORAN, US</p> <p>[71] LUCCA VENTURES, INC. DBA VOXSONIX, US</p> <p>[85] 2023-03-02</p> <p>[86] 2021-09-03 (PCT/US2021/048999)</p> <p>[87] (WO2022/051580)</p> <p>[30] US (63/074,144) 2020-09-03</p>

<p style="text-align: right;">[21] 3,191,500</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A63G 9/00 (2006.01) A63G 9/04 (2006.01) A63G 31/02 (2006.01)</p> <p>[25] EN</p> <p>[54] ACCESSIBLE SWING</p> <p>[54] BALANCOIRE ACCESSIBLE</p> <p>[72] WROLSON, DARRYL T., US</p> <p>[72] TSCHANN, MATTHEW A., US</p> <p>[72] JONES, BRYANT A., US</p> <p>[72] KELLER, THOMAS L., US</p> <p>[72] WUCHTERL, KENT D., US</p> <p>[71] LANDSCAPE STRUCTURES INC., US</p> <p>[85] 2023-03-02</p> <p>[86] 2021-09-02 (PCT/US2021/048840)</p> <p>[87] (WO2022/051477)</p> <p>[30] US (63/074,410) 2020-09-03</p> <p>[30] US (63/135,727) 2021-01-10</p> <p>[30] US (17/445,490) 2021-08-19</p>

<p style="text-align: right;">[21] 3,191,501</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B32B 27/32 (2006.01) C08J 5/18 (2006.01)</p> <p>[25] EN</p> <p>[54] POLYPROPYLENE POLYMER HAVING ULTRA-HIGH MELT FLOW RATE</p> <p>[54] POLYMER DE POLYPROPYLENE AYANT UN INDICE DE FLUIDITE A CHAUD ULTRA-ELEVE</p> <p>[72] VAN EGMOND, JAN, US</p> <p>[71] W. R. GRACE & CO.-CONN., US</p> <p>[85] 2023-03-02</p> <p>[86] 2021-09-09 (PCT/US2021/049547)</p> <p>[87] (WO2022/056053)</p> <p>[30] US (63/075,861) 2020-09-09</p>
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[21] 3,191,502

[13] A1

[51] Int.Cl. C07C 233/36 (2006.01)

[25] EN

[54] COMPOSITE FORM OF TETRAACETYLENEDIAMINE

[54] FORME COMPOSITE DE TETRAACETYLENEDIAMINE

[72] YAQOOB, MOHAMMED, GB

[72] YAQOOB, SAMAIRA, GB

[71] ONE1STAR SOLUTIONS LIMITED, GB

[85] 2023-03-02

[86] 2021-09-08 (PCT/GB2021/052321)

[87] (WO2022/053804)

[30] GB (2014070.3) 2020-09-08

[21] 3,191,503

[13] A1

[51] Int.Cl. A01B 21/08 (2006.01) A01B

15/16 (2006.01) A01B 19/08 (2006.01)

A01B 23/06 (2006.01)

[25] EN

[54] AGRICULTURAL GROUND ENGAGING CHAIN AND LINK SYSTEM

[54] CHAINE AGRICOLE DE MISE EN PRISE AVEC LA TERRE ET SYSTEME DE LIAISON

[72] AINGE, STEPHEN CHARLES, AU

[71] IRON GRIP HOLDINGS PTY LIMITED, AU

[85] 2023-03-02

[86] 2021-08-31 (PCT/AU2021/051010)

[87] (WO2022/047529)

[30] AU (2020903179) 2020-09-04

[21] 3,191,505

[13] A1

[51] Int.Cl. A61K 31/7088 (2006.01) C12N

15/113 (2010.01) A61K 48/00

(2006.01) A61P 9/00 (2006.01) A61P

21/00 (2006.01) C12N 15/864

(2006.01)

[25] EN

[54] DUCHENNE MUSCULAR DYSTROPHY-RELATED EXONIC SPLICING ENHANCER, SGRNA AND GENE EDITING TOOL, AND APPLICATIONS

[54] ACTIVATEUR D'EPISSAGE EXONIQUE LIE A LA DYSTROPHIE MUSCULAIRE DE DUCHENNE, ARNSG ET OUTIL D'EDITION DE GENES, ET APPLICATIONS

[72] CHANG, XING, CN

[72] LI, JIA, CN

[72] QIU, HAN, CN

[71] WESTLAKE UNIVERSITY, CN

[85] 2023-03-02

[86] 2020-09-30 (PCT/CN2020/119361)

[87] (WO2022/047876)

[30] CN (202010909759.7) 2020-09-02

[21] 3,191,507

[13] A1

[51] Int.Cl. A61M 1/00 (2006.01) G05B

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[25] EN

[54] METHODS AND SYSTEMS FOR PROVIDING CONTROL STABILITY IN A VACUUM GENERATION SYSTEM USING AN OVERRIDE PROPORTIONAL-INTEGRAL-DERIVATIVE (PID) CONTROLLER

[54] PROCEDES ET SYSTEMES POUR FOURNIR UNE STABILITE DE COMMANDE DANS UN SYSTEME DE GENERATION DE VIDE A L'AIDE D'UN REGULATEUR PROPORTIONNEL INTEGRAL DERIVE (PID) DE DEROGATION

[72] CHIEM, BRIAN T., US

[71] ALCON INC., CH

[85] 2023-03-02

[86] 2021-08-05 (PCT/IB2021/057204)

[87] (WO2022/053886)

[30] US (63/077,757) 2020-09-14

[30] US (17/376,330) 2021-07-15

[21] 3,191,512

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[51] Int.Cl. H02J 3/14 (2006.01) H02J 7/00 (2006.01)

[25] EN

[54] CHARGING APPARATUS FOR THERAPEUTIC MANAGEMENT OF HEART FAILURE PATIENTS

[54] COMPOSITIONS ET METHODES DE PRISE EN CHARGE THERAPEUTIQUE DE PATIENTS SOUFFRANT D'INSUFFISANCE CARDIAQUE

[72] KHANDWALLA, RAJ, US

[71] CEDARS-SINAI MEDICAL CENTER, US

[85] 2023-03-02

[86] 2021-09-03 (PCT/US2021/049160)

[87] (WO2022/051678)

[30] US (63/074,805) 2020-09-04

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[13] A1

[51] Int.Cl. G01C 21/36 (2006.01)

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[54] END OF ROUTE NAVIGATION SYSTEM

[54] SYSTEME DE NAVIGATION DE FIN D'ITINERAIRE

[72] WACHSMAN, ELEANOR CADY, US

[72] WANG, YULEI, US

[72] TOLOCHKO, ROBIN CAROL, US

[71] UBER TECHNOLOGIES, INC., US

[85] 2023-03-02

[86] 2021-09-03 (PCT/US2021/071370)

[87] (WO2022/051774)

[30] US (62/706,725) 2020-09-04

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[21] 3,191,517
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- [25] EN
- [54] PHARMACEUTICAL COMPOSITIONS COMPRISING AN ANTISENSE OLIGONUCLEOTIDE FOR ORAL ADMINISTRATION
- [54] COMPOSITIONS PHARMACEUTIQUES COMPRENANT UN OLIGONUCLEOTIDE ANTISENS POUR ADMINISTRATION ORALE
- [72] TIVESTEN, ANNA, SE
- [72] DAVIES, NIGEL, SE
- [72] ELEBRING, MARIE, SE
- [72] GENNEMARK, PETER, SE
- [72] MARUCCI, MARIAGRAZIA, SE
- [72] CLEMMENSEN, NICLAS, SE
- [72] MATIC, HANNA, SE
- [72] PUTRA, OKKY, SE
- [72] UPADHYAY, PRATIK PANKAJ, SE
- [72] WALTER, KATRIN, SE
- [72] RADEVIK, ANDREAS, SE
- [72] TILLMAN, LLOYD, US
- [72] DELLAMARY, LUIS, US
- [71] ASTRazeneca AB, SE
- [71] IONIS PHARMACEUTICALS, INC., US
- [85] 2023-03-02
- [86] 2021-09-16 (PCT/EP2021/075548)
- [87] (WO2022/058465)
- [30] US (63/079,941) 2020-09-17
- [30] US (63/114,232) 2020-11-16

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- [25] EN
- [54] DISPLAY UNIT COLOR-CORRECTION METHOD
- [54] PROCEDE DE CORRECTION DE COULEURS D'UNITE D'AFFICHAGE
- [72] TAKAHASHI, MASATO, JP
- [72] TSUMURA, NORIMICHI, JP
- [71] DIC CORPORATION, JP
- [85] 2023-03-02
- [86] 2021-10-05 (PCT/JP2021/036796)
- [87] (WO2022/080185)
- [30] JP (2020-172624) 2020-10-13

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- [25] EN
- [54] YARN CARRIER TUBES
- [54] TUBES DE SUPPORT DE FIL
- [72] COUCHEY, BRIAN P., US
- [72] FRATIANNI, EDMOND, US
- [71] SONOCO PRODUCTS CO., US
- [85] 2023-03-02
- [86] 2021-08-02 (PCT/US2021/044130)
- [87] (WO2022/051048)
- [30] US (17/010,189) 2020-09-02

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- [25] EN
- [54] DRUG IMAGING DEVICE AND DRUG PACKAGING DEVICE
- [54] DISPOSITIF D'IMAGERIE DE MEDICAMENT ET DISPOSITIF DE CONDITIONNEMENT DE MEDICAMENT
- [72] KOIKE, NAOKI, JP
- [72] FUKADA, MASAO, JP
- [72] FUKAMORI, RYOSUKE, JP
- [72] HUYNH, THANHQUAN, JP
- [71] YUYAMA MFG. CO., LTD., JP
- [85] 2023-03-02
- [86] 2021-09-03 (PCT/JP2021/032393)
- [87] (WO2022/050371)
- [30] JP (2020-148162) 2020-09-03
- [30] JP (2021-139595) 2021-08-30

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[13] A1

- [51] Int.Cl. G06T 7/593 (2017.01)
- [25] EN
- [54] VISUAL DRIVING ASSISTANCE SYSTEM FOR A MINING MACHINE
- [54] SYSTEME D'AIDE VISUELLE A LA CONDUITE POUR UNE MACHINE D'EXPLOITATION MINIERE
- [72] PUURA, JUSSI, FI
- [72] PIISPALA, TERO, FI
- [72] SIIVONEN, LAURI, FI
- [71] SANDVIK MINING AND CONSTRUCTION OY, FI
- [85] 2023-03-02
- [86] 2020-09-15 (PCT/EP2020/075784)
- [87] (WO2022/058000)

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- [25] EN
- [54] TETRAAZADODECANE BASED CHELATING AGENTS FOR SEPARATION OF RARE EARTH ELEMENTS AND METHOD THEREFOR
- [54] AGENTS DE CHELATION A BASE DE TETRAAZADODECANE PERMETTANT LA SEPARATION D'ELEMENTS DE TERRES RARES ET PROCEDE ASSOCIE
- [72] POLASEK, MILOSLAV, CZ
- [72] JONES, KELSEA GRACE, US
- [72] DAVID, TOMAS, CZ
- [71] INSTITUTE OF ORGANIC CHEMISTRY AND BIOCHEMISTRY AS CR V.V.I., CZ
- [85] 2023-03-02
- [86] 2021-11-12 (PCT/CZ2021/050131)
- [87] (WO2022/100769)
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- [25] EN
- [54] MEDICAL DEVICE FOR FEMALE REPRODUCTIVE HEALTH AND METHOD OF USE
- [54] DISPOSITIF MEDICAL POUR LA SANTE REPRODUCTIVE FEMININE ET PROCEDE D'UTILISATION
- [72] FALKNER, PETER T., US
- [72] PLESSALA, KIRBY J., US
- [72] WALKER, MARSHALL, US
- [72] KRUMME, JOHN, US
- [71] INNOMED FIVE, L.L.C., US
- [85] 2023-03-02
- [86] 2021-09-03 (PCT/US2021/049087)
- [87] (WO2022/051637)
- [30] US (63/074,096) 2020-09-03
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[25] EN

[54] LIQUID EMBOLIC COMPOSITIONS WITH CONTROLLED RELEASE OF RADIOPAQUE AND THERAPEUTIC COMPOUNDS AND METHODS OF USING THE SAME

[54] COMPOSITIONS EMBOLIQUES LIQUIDES A LIBERATION CONTROLEE DE COMPOSES RADIO-OAPAQUES ET THERAPEUTIQUES ET LEURS PROCEDES D'UTILISATION

[72] PAI, SURESH S., US

[72] SERSHEN, SCOTT R., US

[72] HAKIMIMEHR, DORNA, US

[72] BAGAOISAN, CELSO J., US

[71] BLACKSWAN VASCULAR, INC., US

[85] 2023-03-02

[86] 2021-09-02 (PCT/US2021/048907)

[87] (WO2022/051530)

[30] US (63/074,924) 2020-09-04

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[13] A1

[51] Int.Cl. A61K 8/65 (2006.01) A61K 38/01 (2006.01) A61K 38/39 (2006.01)

[25] EN

[54] COLLAGEN WITH SELECTIVE CHARACTERISTICS, COLLAGEN PRODUCTS CONTAINING SAME AND METHODS FOR PRODUCING SAME

[54] COLLAGENE A CARACTERISTIQUES SELECTIVES, PRODUITS DE COLLAGENE LE CONTENANT ET LEURS PROCEDES DE PRODUCTION

[72] LEE, NATSUO SHISHIDO, US

[72] AMMON, DANIEL, US

[72] CHEN, HUI-CHEN, US

[71] COLLAGEN MATRIX, INC., US

[85] 2023-03-02

[86] 2021-09-09 (PCT/US2021/049646)

[87] (WO2022/060622)

[30] US (63/149,068) 2021-02-12

[30] US (63/093,554) 2020-10-19

[30] US (63/079,187) 2020-09-16

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[13] A1

[51] Int.Cl. H04W 4/80 (2018.01) C07D 401/14 (2006.01) C07D 471/04 (2006.01) C07D 487/22 (2006.01) G01S 13/04 (2006.01) G08G 1/14 (2006.01)

[25] EN

[54] HETEROCYCLIC COMPOUNDS AS CBP/EP300 BROMODOMAIN INHIBITORS

[54] COMPOSES HETEROCYCLIQUES UTILISES EN TANT QU'INHIBITEURS DE BROMODOMAINE CBP/EP300

[72] ABBINENI, CHANDRASEKHAR, IN

[72] SAMAJDAR, SUSANTA, IN

[72] S. SENAIAR, RAMESH, IN

[72] AGGUNDA RENUKAPPA, GIRISH, IN

[72] MUKHERJEE, SUBHENDU, IN

[72] TATYASAHEB GORE, SURAJ, IN

[72] WOHLFAHRT, GERD, FI

[72] MYLLYMAKI, MIKKO, FI

[71] AURIGENE ONCOLOGY LIMITED, IN

[85] 2023-03-02

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[87] (WO2022/053967)

[30] IN (202041038913) 2020-09-09

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[25] EN

[54] CHECK VALVE ASSEMBLY HAVING A CHECK VALVE ASSEMBLY UNION FORMED BETWEEN A CHECK VALVE HOUSING, A CHECK VALVE BODY ADAPTER AND A LOCKING RING

[54] ENSEMBLE CLAPET ANTI-RETOUR AYANT UN RACCORD-UNION D'ENSEMBLE CLAPET ANTI-RETOUR FORME ENTRE UN LOGEMENT DE CLAPET ANTI-RETOUR, UN ADAPTATEUR DE CORPS DE CLAPET ANTI-RETOUR ET UN ANNEAU DE VERROUILLAGE

[72] RUZICKA, PAUL J., US

[72] RUFFO, MATTHEW JOHN, US

[72] LUI, KONGCHI, US

[71] FLUID HANDLING LLC, US

[85] 2023-03-02

[86] 2021-09-17 (PCT/US2021/050817)

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[30] US (63/079,582) 2020-09-17

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[13] A1

[51] Int.Cl. C07D 401/14 (2006.01)

[25] EN

[54] COMPOUNDS FOR SUPPRESSING EGFR MUTANT CANCER AND PHARMACEUTICAL USE THEREOF

[54] COMPOSES DESTINES A ELIMINER LE CANCER MUTANT DE L'EGFR ET LEUR UTILISATION PHARMACEUTIQUE

[72] RYU, HYUNG-CHUL, KR

[72] KIM, JAE-SUN, KR

[72] LIM, JEE-WOONG, KR

[72] LEE, JU YOUNG, KR

[72] CHOI, KWANGHYUN, KR

[72] RAJESH, RENGASAMY, KR

[72] CHANG, DUK-HO, KR

[72] GWON, HYEK JUN, KR

[72] KANG, HYO JIN, KR

[71] J2H BIOTECH INC., KR

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[86] 2021-09-02 (PCT/KR2021/011898)

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[54] RECOMBINANT ADENO ASSOCIATED VIRUS (RAAV) ENCODING GJB2 AND USES THEREOF

[54] VIRUS ADENO-ASSOCIE RECOMBINANT (RVAA) CODANT GJB2 ET SES UTILISATIONS

[72] COREY, DAVID P., US

[72] BOOTH, KEVIN T., US

[72] PETERS, COLE W. D., US

[72] IVANCHENKO, MARYNA V., US

[72] GREENBERG, MICHAEL E., US

[72] HRVATIN, SINISA, US

[72] NAGY, MARK AUREL, US

[72] GRIFFITH, ERIC C., US

[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US

[85] 2023-03-02

[86] 2021-09-14 (PCT/US2021/050205)

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[30] US (63/161,619) 2021-03-16

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- [25] EN
- [54] SENOOLYTIC COMPOUNDS AND COMPOSITIONS
- [54] COMPOSES ET COMPOSITIONS SENOOLYTIQUES
- [72] CONLON, NICHOLA JANE, GB
- [72] YOUNG, MALCOLM PHILIP, GB
- [71] NUCHIDO LIMITED, GB
- [85] 2023-03-02
- [86] 2021-09-08 (PCT/GB2021/052316)
- [87] (WO2022/053800)
- [30] GB (2014160.2) 2020-09-09

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- [25] EN
- [54] AN ELECTRICAL MACHINE WITH AN ISOLATED ROTOR
- [54] MACHINE ELECTRIQUE A ROTOR ISOLE
- [72] HAGNESTAL, ANDERS, SE
- [72] KEIJSER, MARTEN, SE
- [71] HAGNESIA AB, SE
- [85] 2023-03-02
- [86] 2021-08-27 (PCT/SE2021/050836)
- [87] (WO2022/050888)
- [30] SE (2051042-6) 2020-09-03

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[13] A1

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- [25] EN
- [54] FGFR INHIBITOR COMBINATION THERAPIES
- [54] THERAPIES COMBINEES D'INHIBITEURS DE FGFR
- [72] SANTIAGO-WALKER, ADEMI ELENA, US
- [72] MOY, CHRISTOPHER H., US
- [71] JANSSEN PHARMACEUTICA NV, BE
- [85] 2023-03-02
- [86] 2021-09-13 (PCT/EP2021/075145)
- [87] (WO2022/053697)
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[13] A1

- [51] Int.Cl. H04L 12/18 (2006.01)
- [25] EN
- [54] MEETING ROBOT
- [54] ROBOT DE REUNION
- [72] WANG, DAN, CA
- [72] ABDALLAH, GHASSAN, CA
- [72] XU, BAOSHENG, CA
- [72] LUI, BIN, CA
- [72] NIE, WEIZHEN, CA
- [71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
- [85] 2023-03-02
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- [25] EN
- [54] CODON OPTIMIZED RPGRORF 15 GENES AND USES THEREOF
- [54] GENES RPGRORFL5 A CODONS OPTIMISES ET LEURS UTILISATIONS
- [72] KIRN, DAVID H., US
- [72] KOTTERMAN, MELISSA A., US
- [72] SCHAFER, DAVID, US
- [72] FRANCIS, PETER, US
- [71] 4D MOLECULAR THERAPEUTICS INC., US
- [85] 2023-03-02
- [86] 2021-08-30 (PCT/US2021/048267)
- [87] (WO2022/051232)
- [30] US (63/073,843) 2020-09-02

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- [25] EN
- [54] REMOVING UNDESIRABLE INFERENCES FROM A MACHINE LEARNING MODEL
- [54] ELIMINATION D'INFERENCES INDESIRABLES D'UN MODELE D'APPRENTISSAGE AUTOMATIQUE
- [72] KOTRIWALA, ARZAM, DE
- [72] POTSCHKA, ANDREAS, DE
- [72] KLOEPPER, BENJAMIN, DE
- [72] DIX, MARCEL, DE
- [71] ABB SCHWEIZ AG, CH
- [85] 2023-03-02
- [86] 2021-08-04 (PCT/EP2021/071718)
- [87] (WO2022/058084)
- [30] EP (20196394.9) 2020-09-16

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[13] A1

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- [25] EN
- [54] DENTAL FLOSSING PICK
- [54] CURE-DENTS AVEC SOIE DENTAIRE
- [72] MAY, WILLIAM THOMAS, US
- [72] ENEVER, SIMON, US
- [72] KOH, PAUL, US
- [72] WOOD-LEE, MAXWELL, US
- [72] FRATTI, JONATHAN, US
- [71] QUIP NYC INC., US
- [85] 2023-03-02
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- [87] (WO2022/056472)
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<p style="text-align: right;">[21] 3,191,547 [13] A1</p> <p>[51] Int.Cl. A61K 31/7064 (2006.01) A61K 31/7068 (2006.01) A61K 31/7072 (2006.01) C07H 3/02 (2006.01)</p> <p>[25] EN</p> <p>[54] 2',3'-DIACETYLURIDINE SUBSTITUTED WITH ACETOACETYL AT THE 5' POSITION</p> <p>[54] 2',3'-DIACETYLURIDINE SUBSTITUEE PAR UN GROUPE ACETOACETYLE EN POSITION 5'</p> <p>[72] VON BORSTEL, REID WARREN, US [72] SIMPSON, DAVID MICHAEL, US [72] GARCIA GARCIA, ROLANDO ALEJANDRO, US [71] WELLSTAT THERAPEUTICS CORPORATION, US [85] 2023-03-02 [86] 2021-09-14 (PCT/US2021/050149) [87] (WO2022/056428) [30] US (63/077,760) 2020-09-14 [30] US (63/188,559) 2021-05-14 [30] US (63/227,611) 2021-07-30 [30] US (63/231,825) 2021-08-11</p>
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<p style="text-align: right;">[21] 3,191,548 [13] A1</p> <p>[51] Int.Cl. G01F 23/00 (2022.01) G01F 23/04 (2006.01) G01F 23/284 (2006.01) G06K 19/07 (2006.01) H01Q 1/22 (2006.01)</p> <p>[25] EN</p> <p>[54] AN APPARATUS FOR HANDLING AND/OR MEASURING A LIQUID CONTAINED IN A CONTAINER AND AN EMPTY LEVEL INDICATOR SYSTEM FOR DETECTING A CORRESPONDING EMPTY LEVEL</p> <p>[54] APPAREIL DE MANIPULATION ET/OU DE MESURE D'UN LIQUIDE CONTENU DANS UN RECIPIENT ET SYSTEME INDICATEUR DE NIVEAU VIDE POUR DETECTION D'UN NIVEAU VIDE CORRESPONDANT</p> <p>[72] FASSBENDER, THOMAS, DE [71] ECOLAB USA INC., US [85] 2023-03-02 [86] 2021-09-08 (PCT/EP2021/074679) [87] (WO2022/053497) [30] EP (20195337.9) 2020-09-09</p>

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[21] 3,191,549
[13] A1

[51] Int.Cl. A24F 40/57 (2020.01)
[25] EN
SMOKING DEVICE WITH HEATING PROFILE BASED ON PUFF FREQUENCY
[54] DISPOSITIF A FUMER DOTE D'UN PROFIL DE CHAUFFAGE BASE SUR UNE FREQUENCE DES BOUFFEES
[72] STEFFEN, FABRICE, CH
[72] STURA, ENRICO, CH
[72] UTHURRY, JEROME, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2023-03-02
[86] 2021-09-01 (PCT/EP2021/074184)
[87] (WO2022/049157)
[30] EP (20194709.0) 2020-09-04

[21] 3,191,550
[13] A1

[51] Int.Cl. A01G 13/00 (2006.01) A01G 13/02 (2006.01)
[25] EN
METHOD FOR USING PLANT MATERIAL TO SIMULTANEOUSLY CONTROL WEEDS AND PLANT TARGET PLANT
[54] PROCEDE D'UTILISATION D'UN MATERIAU VEGETAL POUR LUTTER SIMULTANEMENT CONTRE LES MAUVAISES HERBES ET PLANter UNE PLANTE CIBLE
[72] ZHU, JINWEN, CN
[71] ZHEJIANG UNIVERSITY, CN
[85] 2023-03-02
[86] 2021-09-06 (PCT/CN2021/116802)
[87] (WO2022/105373)
[30] CN (202010919376.8) 2020-09-04

[21] 3,191,551
[13] A1

[51] Int.Cl. A24F 40/57 (2020.01)
[25] EN
SMOKING DEVICE WITH HEATING PROFILE BASED ON PUFF VOLUME
[54] DISPOSITIF POUR FUMER POSSEDANT UN PROFIL DE CHAUFFAGE BASE SUR UN VOLUME DE BOUFFEE
[72] MIRONOV, OLEG, CH
[72] STURA, ENRICO, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2023-03-02
[86] 2021-09-01 (PCT/EP2021/074186)
[87] (WO2022/049158)
[30] EP (20194715.7) 2020-09-04

[21] 3,191,552
[13] A1

[51] Int.Cl. A01B 29/04 (2006.01)
[25] EN
SOIL-CULTIVATION DEVICE
[54] APPAREIL DE TRAVAIL DU SOL
[72] GEBBEKEN, MARTIN, DE
[72] PAESSENS, CHRISTIAN, DE
[72] BELKER, SIMON, DE
[72] BERENDSEN, MARK, NL
[72] WERRIES, DIETER, DE
[71] LEMKEN GMBH & CO KG, DE
[85] 2023-03-02
[86] 2021-09-03 (PCT/DE2021/100728)
[87] (WO2022/048708)
[30] DE (10 2020 123 214.4) 2020-09-04

[21] 3,191,553
[13] A1

[51] Int.Cl. F16L 58/10 (2006.01) B32B 1/08 (2006.01) F16L 9/02 (2006.01) F16L 9/147 (2006.01)
[25] EN
FLUID TRANSPORT TUBING INCORPORATING A GRAPHENE IMPREGNATED OUTER COATING
[54] TUBULURE DE TRANSPORT DE FLUIDE INCORPORANT UN REVETEMENT EXTERIEUR IMPREGNE DE GRAPHENE
[72] BANERJI, ANINDYA, CA
[72] DOBLE, CORY, US
[72] IYER, GANESH, US
[71] MARTINREA INTERNATIONAL US INC., US
[85] 2023-03-02
[86] 2021-09-01 (PCT/US2021/048676)
[87] (WO2022/051370)
[30] US (63/074,641) 2020-09-04
[30] US (17/462,518) 2021-08-31

[21] 3,191,554
[13] A1

[51] Int.Cl. A61K 35/28 (2015.01) A61K 35/17 (2015.01)
[25] EN
DONOR HEMATOPOIETIC CELL CHIMERISM AND ORGAN AND TISSUE TRANSPLANTATION AND AUTOIMMUNE TOLERANCE
[54] CHIMERISME DE CELLULES HEMATOPOIETIQUES DONNEUSES ET TRANSPLANTATION D'ORGANE ET DE TISSU ET TOLERANCE AUTO-IMMUNE
[72] LOWSKY, ROBERT, US
[72] STROBER, SAMUEL, US
[72] MEYER, EVERETT HURTEAU, US
[72] JENSEN, KENT, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2023-03-02
[86] 2021-09-28 (PCT/US2021/052346)
[87] (WO2022/072320)
[30] US (63/085,717) 2020-09-30

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[21] **3,191,555**

[13] A1

[51] Int.Cl. A61L 2/10 (2006.01)

[25] EN

[54] **DISINFECTING DEVICE INCLUDING ROTATING CHAMBER BASE**

[54] **DISPOSITIF DE DESINFECTION COMPRENANT UNE BASE DE CHAMBRE ROTATIVE**

[72] GEORGESON, DAVID, US

[71] CLEANBOX TECHNOLOGY, INC., US

[85] 2023-03-02

[86] 2021-09-10 (PCT/US2021/049745)

[87] (WO2022/056184)

[30] US (63/076,572) 2020-09-10

[21] **3,191,556**

[13] A1

[51] Int.Cl. E04B 2/74 (2006.01) E04C 3/07 (2006.01) E04C 3/09 (2006.01) E04C 3/29 (2006.01)

[25] EN

[54] **A PROFILE MEMBER AND A BUILDING COMPRISING THEREOF**

[54] **ELEMENT PROFILE ET BATIMENT LE COMPRENANT**

[72] SAVKAY, BERKAY HAKKI, TR

[71] SAVKAY, BERKAY HAKKI, TR

[85] 2023-03-02

[86] 2020-11-03 (PCT/TR2020/051029)

[87] (WO2022/098316)

[21] **3,191,557**

[13] A1

[51] Int.Cl. C07C 7/04 (2006.01) C07C 7/14 (2006.01) C07C 15/46 (2006.01) C10G 67/02 (2006.01)

[25] EN

[54] **A PROCESS AND APPARATUS FOR PREPARING A PURIFIED STYRENE COMPOSITION USING A DIVIDED-WALL COLUMN AND A CRYSTALLIZATION UNIT**

[54] **PROCEDE ET APPAREIL DE PREPARATION D'UNE COMPOSITION DE STYRENE PURIFIE A L'AIDE D'UNE COLONE A PAROI DIVISEE ET D'UNE UNITE DE CRISTALLISATION**

[72] KHANDELWAL, RAHUL, US

[72] GENTRY, JOSEPH C., US

[72] TEMMEL, ERIK, CH

[72] STEPANSKI, MANFRED, CH

[71] SULZER MANAGEMENT AG, CH

[85] 2023-03-02

[86] 2021-09-28 (PCT/EP2021/076672)

[87] (WO2022/069479)

[30] US (63/085,760) 2020-09-30

[30] EP (20200620.1) 2020-10-07

[21] **3,191,558**

[13] A1

[51] Int.Cl. C08K 3/26 (2006.01) C08K 5/17 (2006.01) C08K 5/521 (2006.01) C09J 11/04 (2006.01) C09J 11/08 (2006.01) C09J 123/00 (2006.01) E04D 11/00 (2006.01)

[25] EN

[54] **ADHESIVE FORMULATIONS THAT ARE FREE OF ASPHALT OR SUBSTANTIALLY FREE OF ASPHALT, METHODS OF MAKING THE SAME, AND ROOFING SYSTEMS UTILIZING THE SAME**

[54] **FORMULATIONS ADHESIVES EXEMPTES D'ASPHalte OU SENSIBLEMENT EXEMPTES D'ASPHalte, LEURS PROCEDES DE FABRICATION ET SYSTEMES DE TOITURE LES UTILISANT**

[72] RUFUS, ISAAC BEMARD, US

[72] CHICH, ADEM, US

[72] WILLIAMS, OVERTON, US

[72] CHIN, RICHARD, US

[72] DOUGHERTY, MICHAEL, US

[72] MERCADO, RAMIL MARCELO L., US

[72] KRAJCA, JAROD L., US

[71] **BUILDING MATERIALS INVESTMENT CORPORATION, US**

[85] 2023-03-02

[86] 2021-09-03 (PCT/US2021/049061)

[87] (WO2022/051619)

[30] US (63/074,358) 2020-09-03

[30] US (63/168,879) 2021-03-31

[30] US (63/104,150) 2020-10-22

[21] **3,191,559**

[13] A1

[51] Int.Cl. F03H 1/00 (2006.01)

[25] EN

[54] **SPACECRAFT PROPULSION SYSTEM AND METHOD OF OPERATION**

[54] **Système de propulsion d'astronef et procédé de fonctionnement**

[72] KORCZYC, JAKUB, FI

[72] DE HOLANDA, JONATHAN, FI

[72] MODRZEWSKI, RAFAL, FI

[71] ICEYE OY, FI

[85] 2023-03-02

[86] 2021-10-14 (PCT/EP2021/078449)

[87] (WO2022/079168)

[30] GB (2016363.0) 2020-10-15

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[21] 3,191,569
[13] A1

- [51] Int.Cl. C05F 11/02 (2006.01)
 - [25] FR
 - [54] OXIDATIVE METHOD FOR PREPARING A FERTILISING COMPOSITION
 - [54] PROCEDE DE PREPARATION D'UNE COMPOSITION FERTILISANTE PAR OXYDATION
 - [72] CRUZ, FLORENCE, FR
 - [72] PLUCHON, SYLVAIN, FR
 - [72] YVIN, JEAN-CLAUDE, FR
 - [72] VIOLEAU, FREDERIC, FR
 - [72] GOTTI, GUILLAUME, FR
 - [72] PAGES-HOMS, MARIELLE, FR
 - [71] AGRO INNOVATION INTERNATIONAL, FR
 - [71] ECOLE D'INGENIEURS DE PURPAN, FR
 - [85] 2023-03-03
 - [86] 2021-09-06 (PCT/FR2021/051524)
 - [87] (WO2022/049355)
 - [30] FR (FR2009050) 2020-09-07
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[21] 3,191,585
[13] A1

- [51] Int.Cl. A61F 5/052 (2006.01) A61F 5/05 (2006.01)
- [25] EN
- [54] ORTHOPEDIC BRACING SYSTEM AND METHOD OF USE
- [54] SYSTEME D'APPAREILLAGE ORTHOPEDIQUE ET METHODE D'UTILISATION
- [72] RAIMONDO, RICK, US
- [72] DUDLEY, JOHN, US
- [72] DIN, NADIA, US
- [72] SOLTNER, CHARLES, US
- [71] STEP AHEAD MEDICAL LLC, US
- [85] 2023-03-03
- [86] 2021-09-07 (PCT/US2021/049211)
- [87] (WO2022/051705)
- [30] US (63/074,514) 2020-09-04
- [30] US (63/108,314) 2020-10-31

[21] 3,191,586
[13] A1

- [51] Int.Cl. F16L 5/04 (2006.01) A62C 3/16 (2006.01) F16L 5/14 (2006.01)
 - [25] EN
 - [54] DEVICE FOR ROUTING LINES, PIPES, AND/OR CABLES THROUGH A BUILDING STRUCTURE PART
 - [54] DISPOSITIF DE PASSAGE DE FILS, DE TUYAUX ET/OU DE CABLES A TRAVERS UN ELEMENT DE BATIMENT
 - [72] MORDAU, ULF, DE
 - [71] HILTI AKTIENGESELLSCHAFT, LI
 - [85] 2023-03-03
 - [86] 2021-10-18 (PCT/EP2021/078735)
 - [87] (WO2022/089967)
 - [30] EP (20204255.2) 2020-10-28
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[21] 3,191,587
[13] A1

- [51] Int.Cl. A24D 3/10 (2006.01) D04H 1/26 (2012.01) D04H 1/425 (2012.01) D04H 1/4258 (2012.01) D04H 1/587 (2012.01) A24D 3/17 (2020.01) A24D 3/02 (2006.01) A24D 3/14 (2006.01) D04H 1/58 (2012.01)
- [25] EN
- [54] FILTER FOR SMOKING OR VAPING ARTICLE COMPRISING A NONWOVEN SUBSTRATE
- [54] FILTRE POUR ARTICLE A FUMER OU DE VAPOTAGE COMPRENANT UN SUBSTRAT NON TISSE
- [72] CHERKAS, OXANA, FR
- [72] RAVERDY-LAMBERT, DIANE, FR
- [71] SWM LUXEMBOURG, LU
- [85] 2023-03-03
- [86] 2021-09-10 (PCT/EP2021/074948)
- [87] (WO2022/053621)
- [30] FR (FR2009244) 2020-09-11

[21] 3,191,588
[13] A1

- [51] Int.Cl. A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 14/725 (2006.01) C07K 16/30 (2006.01) C07K 16/44 (2006.01) C12N 15/63 (2006.01)
 - [25] EN
 - [54] SYSTEM FOR INDUCIBLE EXPRESSION OF AN ADAPTER IN IMMUNE CELLS
 - [54] SYSTEME POUR L'EXPRESSION INDUCTIBLE D'UN ADAPTATEUR DANS DES CELLULES IMMUNITAIRES
 - [72] KOTTER, BETTINA, DE
 - [72] MITTELSTAET, JOERG, DE
 - [72] WEBSTER, BRIAN, DE
 - [72] HEEMSKERK, BIANCA, DE
 - [72] KAISER, ANDREW, DE
 - [71] MILTENYI BIOTEC B.V. & CO. KG, DE
 - [85] 2023-03-03
 - [86] 2021-09-02 (PCT/EP2021/074307)
 - [87] (WO2022/049217)
 - [30] EP (20194509.4) 2020-09-04
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[21] 3,191,590
[13] A1

- [51] Int.Cl. C22B 3/18 (2006.01) C05F 17/20 (2020.01) C05F 17/986 (2020.01) C05D 9/02 (2006.01) C05F 11/08 (2006.01)
- [25] EN
- [54] ECOLOGICAL RELEASE OF ELEMENTS AND DEGRADATION OF ORGANICS USING HETEROTROPHIC MICROORGANISMS OUT OF MULTIPLE CARRIER MATERIALS
- [54] LIBERATION ECOLOGIQUE D'ELEMENTS ET DEGRADATION DE MATIERES ORGANIQUES A L'AIDE DE MICRO-ORGANISMES HETEROTROPHES PARMI DE MULTIPLES MATERIAUX SUPPORT
- [72] STYRIAKOVA, DARINA, SK
- [71] STYRIAKOVA, DARINA, SK
- [85] 2023-03-03
- [86] 2021-09-03 (PCT/EP2021/074353)
- [87] (WO2022/049239)
- [30] EP (20194338.8) 2020-09-03

Demandes PCT entrant en phase nationale

[21] 3,191,593
[13] A1

[51] Int.Cl. A61K 31/6615 (2006.01)
[25] EN
[54] POLYVALENT STING ACTIVATING COMPOSITIONS AND USES THEREOF
[54] COMPOSITIONS D'ACTIVATION DE STING POLYVALENTS ET LEURS UTILISATIONS
[72] GAO, JINMING, US
[72] LI, SUXIN, US
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2023-03-03
[86] 2021-09-08 (PCT/US2021/049365)
[87] (WO2022/055929)
[30] US (63/075,560) 2020-09-08

[21] 3,191,594
[13] A1

[51] Int.Cl. A61L 27/56 (2006.01) B32B 7/05 (2019.01) A61K 35/39 (2015.01) A61K 47/34 (2017.01) A61L 27/36 (2006.01) A61P 3/10 (2006.01) C08L 67/04 (2006.01)
[25] EN
[54] CELL ENCAPSULATION DEVICES AND METHODS OF USING SAME
[54] DISPOSITIFS D'ENCAPSULATION DE CELLULES ET LEURS PROCEDES D'UTILISATION
[72] NYITRAY, CRYSTAL, US
[72] WEI, GRACE, US
[71] ENCELLIN, INC., US
[85] 2023-03-03
[86] 2021-09-16 (PCT/US2021/050705)
[87] (WO2022/061007)
[30] US (63/079,127) 2020-09-16

[21] 3,191,595
[13] A1

[51] Int.Cl. G01N 33/00 (2006.01) G08B 21/14 (2006.01)
[25] EN
[54] WEARABLE AIR POLLUTANT MONITORING DEVICE
[54] DISPOSITIF DE SURVEILLANCE DE POLLUANT D'AIR POUVANT ETRE PORTE
[72] POLLITT, KRYSTAL, CA
[72] LIN, ELIZABETH, US
[72] KOELMEL, JEREMY, US
[71] YALE UNIVERSITY, US
[85] 2023-03-03
[86] 2021-09-03 (PCT/US2021/049032)
[87] (WO2022/051604)
[30] US (63/074,705) 2020-09-04

[21] 3,191,598
[13] A1

[51] Int.Cl. A61K 31/437 (2006.01) A61P 17/00 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) C07D 471/04 (2006.01)
[25] EN
[54] NOVEL JAK INHIBITOR COMPOUNDS, METHOD FOR SYNTHESIZING SAME AND USE THEREOF
[54] NOUVEAUX COMPOSES INHIBITEURS DE JAK, LEUR PROCEDE DE SYNTHESE ET LEUR UTILISATION
[72] OUVRY, GILLES, GB
[72] MUSICKI, BRANISLAV, FR
[72] HARRIS, CRAIG, FR
[72] BOUIX-PETER, CLAIRE, FR
[72] FOUCHE, MARIE-HELENE, FR
[72] GEORGE, NICOLAS, FR
[71] GALDERMA HOLDING SA, CH
[85] 2023-03-03
[86] 2021-09-10 (PCT/IB2021/058267)
[87] (WO2022/054006)
[30] US (63/077,542) 2020-09-11

[21] 3,191,603
[13] A1

[51] Int.Cl. A61K 8/85 (2006.01)
[25] EN
[54] BIOBASED, BIODEGRADABLE COMPOSITE POWDER FOR USE IN COSMETICS
[54] POUDRE COMPOSITE BIODEGRADABLE D'ORIGINE BIOLOGIQUE DESTINEE A ETRE UTILISEE EN COSMETIQUE
[72] LERUM, RONALD V., US
[72] CROOM, ANNA K., US
[72] VIANA, TANIA, US
[72] PAWLIK, AGA, US
[71] GRANT INDUSTRIES, INC., US
[85] 2023-03-03
[86] 2021-09-20 (PCT/US2021/051044)
[87] (WO2022/061213)
[30] US (63/080,820) 2020-09-21

[21] 3,191,604
[13] A1

[51] Int.Cl. A61B 5/00 (2006.01) G01H 9/00 (2006.01) G01N 29/24 (2006.01) G01S 15/89 (2006.01)
[25] EN
[54] SYNTHETIC APERTURE IMAGING SYSTEMS AND METHODS USING MIXED ARRAYS
[54] SYSTEMES ET PROCEDES D'IMAGERIE A OUVERTURE SYNTHETIQUE UTILISANT DES RESEAUX MIXTES
[72] ZHAO, DANHUA, US
[72] ZHU, LIREN, US
[71] DEEPSIGHT TECHNOLOGY, INC., US
[85] 2023-03-03
[86] 2021-09-07 (PCT/US2021/049226)
[87] (WO2022/055843)
[30] US (63/075,727) 2020-09-08

[21] 3,191,607
[13] A1

[51] Int.Cl. C07D 471/04 (2006.01)
[25] EN
[54] NOVEL JAK INHIBITOR COMPOUNDS, METHOD FOR SYNTHESIZING SAME AND USE THEREOF
[54] NOUVEAUX COMPOSES INHIBITEUR DE JAK, LEUR PROCEDE DE SYNTHESE ET LEUR UTILISATION
[72] OUVRY, GILLES, GB
[72] MUSICKI, BRANISLAV, FR
[72] HARRIS, CRAIG, FR
[72] BOUIX-PETER, CLAIRE, FR
[72] FOUCHE, MARIE-HELENE, FR
[72] GEORGE, NICOLAS, FR
[71] GALDERMA HOLDING SA, CH
[85] 2023-03-03
[86] 2021-09-07 (PCT/IB2021/058135)
[87] (WO2022/053931)
[30] US (63/075,639) 2020-09-08

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[21] 3,191,608
[13] A1

[51] Int.Cl. A01G 9/04 (2006.01) A01G 31/02 (2006.01)
[25] EN
[54] HORTICULTURAL MODULE, ASSOCIATED GULLY ASSEMBLY, AND MOVING GULLY SYSTEM FORMED THEREFROM
[54] MODULE HORTICOLE, ENSEMBLE PUISARD ASSOCIE, ET SYSTEME DE PUISARD MOBILE FORME A PARTIR DE CELUI-CI
[72] HENNAYAKA, NADUN, AU
[71] GAIA PROJECT AUSTRALIA PTY LTD, AU
[85] 2023-03-03
[86] 2021-08-25 (PCT/AU2021/050960)
[87] (WO2022/056577)
[30] AU (2020903306) 2020-09-16

[21] 3,191,609
[13] A1

[51] Int.Cl. A41B 1/22 (2006.01) A41B 3/00 (2006.01) A41D 1/00 (2018.01)
[25] EN
[54] CLOTHING ITEM INCLUDING AT LEAST ONE THREE-DIMENSIONAL CONTOUR, AND METHOD OF MAKING THE SAME
[54] ARTICLE VESTIMENTAIRE COMPRENANT AU MOINS UN CONTOUR TRIDIMENSIONNEL, ET SON PROCEDE DE FABRICATION
[72] INTSCHER-OWRANG, MARIA, US
[72] COHEN, PHILIP, US
[72] CHUN, YEE DO, CA
[72] SANG, YIZHOU, CA
[72] YU, SVENA RUI XIN, CA
[72] TEW, WILLIAM BENJAMIN MONTGOMERY, GB
[71] SIMPLIFYBER, INC., US
[85] 2023-03-03
[86] 2021-09-03 (PCT/US2021/049103)
[87] (WO2022/051644)
[30] US (63/074,695) 2020-09-04

[21] 3,191,611
[13] A1

[51] Int.Cl. A24D 3/10 (2006.01) D04H 1/26 (2012.01) D04H 1/425 (2012.01) D04H 1/4258 (2012.01) D04H 1/4266 (2012.01) D04H 1/587 (2012.01) A24D 3/17 (2020.01) A24D 3/02 (2006.01) A24D 3/14 (2006.01) D04H 1/58 (2012.01) D04H 1/60 (2006.01)

[25] EN
[54] FILTER FOR SMOKING OR VAPING ARTICLE COMPRISING A NONWOVEN SUBSTRATE
[54] FILTRE POUR ARTICLE A FUMER OU DE VAPOTAGE COMPRENANT UN SUBSTRAT NON TISSE
[72] CHERKAS, OXANA, FR
[72] RAVERDY-LAMBERT, DIANE, FR
[71] SWM LUXEMBOURG, LU
[85] 2023-03-03
[86] 2021-09-10 (PCT/EP2021/074955)
[87] (WO2022/053625)
[30] FR (2009247) 2020-09-11

[21] 3,191,612
[13] A1

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[25] EN
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 - [72] DANIELS, RAEYLON, CA
 - [72] ALI, TALIB, CA
 - [72] ORAM, GUY, CA
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 - [72] EUN, SUHYEON, KR
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 - [72] IM, A RANG, KR
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 - [72] JOHNSON, ERICK, US
 - [72] ENTERLINE, ANDREW, US
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 - [71] CORNELL PUMP COMPANY LLC, US
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 - [72] CABRALES AREVALO, PEDRO J., US
 - [71] OHIO STATE INNOVATION FOUNDATION, US
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- [72] ZHANG, JU, NZ
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[71] ELANCO US INC., US
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[54] COMPOSITIONS POLYMERES STABILISEES PAR ULTRAVIOLETS
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[72] HE, CHAO, CN
[72] XU, XIANMIN, CN
[72] LAI, YUMING, US
[72] YU, JING, US
[72] ESSEGHIR, MOHAMED, US
[72] MIAO, XIAOXIONG, CN
[71] DOW GLOBAL TECHNOLOGIES LLC, US
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[54] METHOD OF TREATING CANCER USING FABP5 INHIBITORS
[54] METHODE POUR LE TRAITEMENT DU CANCER A L'AIDE D'INHIBITEURS DE FABP5
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[72] KHARE, LEENA, IN
[72] CHIKKANNA, DINESH, IN
[72] NATARAJ, VIJAYASHANKAR, IN
[72] PANIGRAHI, SUNIL KUMAR, IN
[71] AURIGENE ONCOLOGY LIMITED, IN
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[54] INJECTION D'OXYGENE POUR GAZ D'ALIMENTATION DE REFORMEUR POUR PROCEDE DE REDUCTION DIRECTE
[72] MICHISHITA, HARUYASU, US
[71] MIDREX TECHNOLOGIES, INC., US
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[54] PROCEDE D'ACCES A UN CANAL DESTINE A UN DISPOSITIF A LIAISONS MULTIPLES, ET APPAREIL ASSOCIE
[72] GUO, YUCHEN, CN
[72] LI, YUNBO, CN
[72] LI, YIQING, CN
[72] GAN, MING, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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MEANS OF IN SITU THICKNESS
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[54] MOYEN ET PROCEDE DE DEPOT
ELECTROCHIMIQUE CONFINE
PAR MENISQUE COMPRENANT
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[72] OREN, ERAN, IL
[72] MANSDORF, NADAV, IL
[71] MINIXA LTD., IL
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[72] GRAINGER, DAMIAN, GB
[72] ZANOTTI-GEROSA, ANTONIO, GB
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[54] PROCEDES POUR LA
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[72] AUGUSTINE, SRUTHY MARIA, DE
[72] VADAKAN CHERIAN, ANOOP, DE
[72] SEILING, KERSTIN, DE
[72] RAVEN, NICOLE, DE
[72] DI FIORE, STEFANO, DE
[72] SCHILLBERG, STEFAN, DE
[72] COMMANDEUR, ULRICH, DE
[71] FRAUNHOFER-GESELLSCHAFT
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[54] PROCEDES DE PRODUCTION DE
PLANTES TRANSFORMEES
[72] AUGUSTINE, SRUTHY MARIA, DE
[72] VADAKAN CHERIAN, ANOOP, DE
[72] SEILING, KERSTIN, DE
[72] RAVEN, NICOLE, DE
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[54] SYSTEME DE BOUCHON
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[72] BILEN, JUAN MIGUEL, US
[72] JIRAL, DENNIS, US
[72] SCHULTZ, ALEXANDER, US
[71] BAKER HUGHES OILFIELD
OPERATIONS LLC, US
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[54] CARTOUCHE DE CARTES A JOUER
[72] VAN GENECHTEN, ERIK, BE
[72] DEHOUWER, MARCO, BE
[72] NIETVELT, STEVEN KAREL MARIA, BE
[71] CARTAMUNDI TURNHOUT NV, BE
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[71] CARTAMUNDI TURNHOUT NV, BE
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[54] DISPOSITIF DE PRODUCTION DE JEUX DE CARTES A JOUER
[72] DEHOUWER, MARCO, BE
[71] CARTAMUNDI TURNHOUT NV, BE
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[54] SYSTEMES ET PROCEDES DE DETECTION DE MARQUEURS MAGNETIQUES POUR GUIDAGE CHIRURGICAL
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[72] AGOSTINELLI, TIZIANO, GB
[71] ENDOMAGNETICS LTD, GB
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[54] PROCEDE DE SYNTHESE DESTINE A LA PREPARATION D'UN INTERMEDIAIRE DES INHIBITEURS DE SGLT
[72] HUANG, ZHINING, CN
[72] YE, WEIPING, CN
[72] ZHOU, ZHANGTAO, CN
[72] WANG, JUNJING, CN
[72] YOON, HEEKYOON, KR
[72] CHOI, JI-SOO, KR
[71] DAEWONG PHARMACEUTICAL CO., LTD., KR
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[54] GEL POLYMERE RETICULABLE ASSISTE PAR DES FIBRES ET GELS DE PARTICULES PREFORMEES POUR REGULATION DE LA PERTE DE FLUIDE ET DE LA CONFORMITE
[72] BAI, BAOJUN, US
[72] WANG, ZE, US
[72] SUN, ZHE, CN
[72] PU, JINGYANG, US
[72] SCHUMAN, THOMAS, US
[71] THE CURATORS OF THE UNIVERSITY OF MISSOURI, US
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[54] PROCEDE ET SYSTEME DE TRAITEMENT D'EAUX USEES
[72] NATHAN, NERI, IL
[72] SHECHTER, RONEN ITZHAK, IL
[71] FLUENCE WATER PRODUCTS AND INNOVATION LTD, IL
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[54] LIAISON AXIALE A LONGUEUR VARIABLE POUR OUTILS DE POSE TUBULAIRES
[72] SLACK, MAURICE WILLIAM, CA
[71] NOETIC TECHNOLOGIES INC., CA
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[54] COMPOSES EN TANT QUE MODULATEURS DE L'AMINOPEPTIDASE 1 DU RETICULUM ENDOPLASMIQUE (ERAP1)
[72] QUIBELL, MARTIN, GB
[72] SHIERS, JASON JOHN, GB
[72] SPARENBERG, MICHAEL, GB
[72] IVENS, ELEANOR, GB
[71] GREY WOLF THERAPEUTICS LIMITED, GB
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[86] 2021-09-21 (PCT/GB2021/052453)
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[54] COMPOSITIONS CONTENANT DU NICOTINAMIDE ET DE LA VITAMINE B6 ET PROCEDES D'UTILISATION DE TELLES COMPOSITIONS POUR TRAITER UNE CACHEXIE OU UNE PRECACHEXIE
[72] STUELSATZ, PASCAL, CH
[72] FEIGE, JEROME, CH
[72] MICHAUD, JORIS, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
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[54] PROCEDES DE NETTOYAGE POUR PANNEAUX SOLAIRES
[72] STEWART, PAUL A., US
[71] PASCO VENTURES LLC, US
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[54] PROCEDE DE FABRICATION DE RECIPIENT ET DISPOSITIF DE FABRICATION DE RECIPIENT
[72] MURASE, TAKESHI, JP
[72] TANAKA, SHOUTA, JP
[72] SASAJIMA, NOBUHIRO, JP
[72] SATO, ERIKA, JP
[71] TOYO SEIKAN CO., LTD., JP
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[54] VECTEURS D'ADN NON VIRAUX ET UTILISATIONS ASSOCIEES POUR EXPRIMER DES AGENTS THERAPEUTIQUES DU FACTEUR VIII
[72] KLATTE, DEBRA, US
[72] MONDS, RUSSELL, US
[72] HAMM, LUKE S., US
[72] SILVER, NATHANIEL, US
[72] SAMAYOA, PHILLIP, US
[72] KERR, DOUGLAS ANTHONY, US
[72] KEENAN, JESSICA LYNN, US
[71] GENERATION BIO CO., US
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[54] DISPOSITIF POUR SE DEPLACER A TRAVERS UN MILIEU GRANULAIRE
[72] CONTI, LORENZO, GB
[72] LUKIANOV, ARTEM, GB
[71] CROVER LTD, GB
[85] 2023-03-06
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[54] ECHANGEUR DE CHALEUR
[72] SCOTT, IAN RICHARD, GB
[71] SCOTT, IAN RICHARD, GB
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[25] EN
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[54] PROCEDE DE FABRICATION DE RECIPIENT ET DISPOSITIF DE FABRICATION DE RECIPIENT
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[54] DISPOSITIF D'ALIMENTATION EN EAU CHAUDE
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[72] SAKAGUCHI, HIDEHO, JP
[71] DAIKIN INDUSTRIES, LTD., JP
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[54] VECTORIZED ANTIBODIES AND USES THEREOF
[54] ANTICORPS VECTORISES ET LEURS UTILISATIONS
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[72] SHARMA, YOGESHWAR, US
[72] DOLIVE, SERENA, US
[72] FRANCONE, OMAR, US
[71] HOMOLOGY MEDICINES, INC., US
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[54] SIEGE DE TOILETTES ERGONOMIQUE
[72] LEAVITT, DOUGLAS F., US
[72] HEYDARI, BEHNAM, US
[72] BUCHER, CHRISTOPHE, US
[72] KAPPUS, STEVEN D., US
[71] AS AMERICA, INC., US
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[54] SYSTEMES ET PROCEDES POUR LE TRAITEMENT DE TISSUS
[72] VYAVAHARE, NARENDRA R., US
[72] SIMIONESCU, TEODOR DAN, US
[72] NAGY-MEHESZ, AGNES, US
[72] HOODE, AJAY, US
[71] TGEN TECH, LLC, US
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[54] COMPOSES HERBICIDES ET LEURS PROCEDES D'UTILISATION
[72] INBAL, BOAZ, IL
[72] WEXSELBLATT, EZEQUIEL, IL
[72] FREUD, YEHOOSHUA, IL
[72] ATSMON-RAZ, YOAV, IL
[72] LOTHAR, WILLMS, DE
[71] AG PLENUS LTD, IL
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- [54] DISPOSITIF DE RESEAU D'INTERFACE DE TRAME DE DONNEES
- [72] HANTZ, DAN, US
- [72] AMBESKAR, NIMESH, US
- [72] SETHI, YOGESH, US
- [72] GUPTA, VIVEK, US
- [72] O'NEIL, PATRICK, US
- [71] HUGHES NETWORK SYSTEMS, LLC, US
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- [54] COMPOSITION COMPRENANT DES CANNABINOIDES, ET/OU DES TERPENES, ET SES METHODES D'UTILISATION
- [72] LANGIER, SHEILA, IL
- [72] RIMMERMAN, NETA, IL
- [71] M.H MEDICANE LTD., IL
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- [54] OPTIMISATION DE DISPOSITIF NEBULISEUR POUR DES PARAMETRES D'AEROSOL AMELIOREES ET LEURS UTILISATIONS
- [72] SURBER, MARK WILLIAM, US
- [72] PHAM, STEPHEN, US
- [71] AVALYN PHARMA INC., US
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- [54] MODIFICATIONS GENETIQUES POUR UNE XENOGREFFE
- [72] SYKES, MEGAN, US
- [72] HAWLEY, ROBERT J., US
- [72] YAMADA, KAZUHIKO, US
- [72] SACHS, DAVID H., US
- [71] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US
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- [54] PROCEDE ET SYSTEME DE SEGMENTATION ET D'IDENTIFICATION D'AU MOINS UNE STRUCTURE TUBULAIRE DANS DES IMAGES MEDICALES
- [72] HEITZ, ADRIEN, FR
- [72] WEINZORN, JULIEN, FR
- [72] SOLER, LUC, FR
- [71] VISIBLE PATIENT, FR
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- [54] HEADWALL BEACON SYSTEM
- [54] SYSTEME DE BALISE DE MUR DE TETE
- [72] BHIMAVARAPU, KRISHNA SANDEEP, US
- [72] DESAULNIERS, ANNIE, US
- [72] TREPANIER, JERALD A., US
- [72] AUSTIN, SCOTT, US
- [71] STRYKER CORPORATION, US
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 - [54] **PROCEDE ET DISPOSITIF DESTINE AU SOUDAGE D'AU MOINS DEUX SECTIONS PROFILEES SERVANT AUX CADRES DE FENETRE OU DE PORTE OU AUX FEUILLAGES**
 - [72] WINKLER, ALBERT, FR
 - [72] LUFT, ALEXANDER, DE
 - [72] DENK, CHRISTIAN, DE
 - [71] ROTOX HOLDING GMBH & CO. KG, DE
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- [72] ALSOP, HUGH, AU
- [72] REEKIE, TRISTAN, AU
- [72] LAWRENCE, RONNIE MAXWELL, AU
- [71] KINOXIS THERAPEUTICS PTY LTD, AU
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 - [54] **APPAREIL DE SUPPORT DE PATIENT ET RESEAUX DE DISPOSITIFS MEDICAUX**
 - [72] BODURKA, ALEXANDER JOSEF, US
 - [72] BHIMAVARAPU, KRISHNA SANDEEP, US
 - [71] STRYKER CORPORATION, US
 - [85] 2023-03-06
 - [86] 2021-12-16 (PCT/US2021/063697)
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 - [30] US (63/132,514) 2020-12-31
 - [30] US (63/154,677) 2021-02-27
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 - [54] **A PANEL PROFILE AND METHOD FOR MANUFACTURING THEREOF**
 - [54] **PROFILE DE PANNEAU ET SON PROCEDE DE FABRICATION**
 - [72] UOTILA, TIINA TERHIKKI, FI
 - [72] LINDSTROM, CHRISTOPH GILBERT, FI
 - [72] SJODAHL, KIM MATIAS, FI
 - [71] EXEL COMPOSITES OYJ, FI
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 - [54] **STUD FRAME CONNECTOR**
 - [54] **RACCORD DE CADRE DE GOUJON**
 - [72] CONYBEARE, NIGEL PAUL, GB
 - [71] STUD CONNECTOR (IP) LIMITED, GB
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- [54] **METHODS AND COMPOSITIONS FOR DELIVERY OF BIOTIN TO MITOCHONDRIA**
- [54] **PROCEDES ET COMPOSITIONS POUR L'ADMINISTRATION DE BIOTINE A DES MITOCHONDRIES**
- [72] SZETO, HAZEL, US
- [71] SOCIAL PROFIT NETWORK, US
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- [86] 2021-09-03 (PCT/US2021/049068)
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[54] SYSTEM FOR DETERMINING PATIENT SUPPORT APPARATUS AND MEDICAL DEVICE LOCATION

[54] SYSTEME POUR DETERMINER UN APPAREIL DE PRISE EN CHARGE DE PATIENT ET EMPLACEMENT DE DISPOSITIF MEDICAL

[72] PEREIRA, CELSO HENRIQUE FARNESE PIRES, US

[72] TREPANIER, JERALD A., US

[72] BHIMAVARAPU, KRISHNA SANDEEP, US

[72] NEIHOUSER, KIRBY M., US

[72] DEEDS, THOMAS, US

[72] THOTA, MADHU SANDEEP, US

[72] THOMAS, MADHU, CA

[71] STRYKER CORPORATION, US

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[54] A PROCESS FOR THE PREPARATION OF SUBSTITUTED PYRIDINE COMPOUNDS AND INTERMEDIATES THEREOF

[54] PROCEDE DE PREPARATION DE COMPOSES PYRIDINE SUBSTITUES ET DE LEURS INTERMEDIAIRES

[72] PATRA, PRANAB KUMAR, IN

[72] SYTHANA, SURESH KUMAR, IN

[72] NAGLE, PRAMOD, IN

[72] SHENDE, KANTILAL BALU, IN

[72] SINGH, VIPENDER, IN

[72] KLAUSENER, ALEXANDER G.M., DE

[71] PI INDUSTRIES LIMITED, IN

[85] 2023-03-06

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[54] METHOD AND SYSTEM FOR REMOTELY SIGNALLING A DOWNHOLE ASSEMBLY COMPRISING ONE OR MORE DOWNHOLE TOOL

[54] PROCEDE ET SYSTEME DE SIGNALISATION A DISTANCE D'UN ENSEMBLE DE FOND DE TROU COMPRENANT UN OU PLUSIEURS OUTILS DE FOND DE TROU

[72] MURDOCH, EUAN, GB

[72] KNIGHT, MATTHEW, GB

[72] DALZELL, RICHARD, GB

[71] WEATHERFORD U.K. LIMITED, GB

[85] 2023-03-06

[86] 2021-09-14 (PCT/GB2021/052377)

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[30] GB (2014518.1) 2020-09-15

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[54] A PROCESS FOR THE SYNTHESIS OF ANTHRANILIC ACID/AMIDE COMPOUNDS AND INTERMEDIATES THEREOF

[54] PROCEDE DE SYNTHESE DE COMPOSES ACIDE/AMIDE ANTHRANILIQUE ET INTERMEDIAIRES DE CEUX-CI

[72] MAHAPATRA, TRIDIB, IN

[72] PATRA, PRANAB KUMAR, IN

[72] KLAUSENER, ALEXANDER G. M., DE

[72] MAL, SANJIB, IN

[72] SHARMA, RAJU, IN

[71] PI INDUSTRIES LIMITED, IN

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[54] SMELT SHATTERING METHOD AND APPARATUS

[54] PROCEDE ET APPAREIL D'ECLATEMENT A L'ETAT FONDU

[72] YOUSSEF, SIMON, US

[72] HABIB, TONY, US

[72] SHOVER, STEPHEN, US

[71] THE BABCOCK & WILCOX COMPANY, US

[85] 2023-03-06

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- [54] **INHIBITEUR DE CD73 ET SON APPLICATION EN MEDECINE**
- [72] WU, HAO, CN
- [72] YANG, XIAOFENG, CN
- [72] LIU, QISHENG, CN
- [72] HAN, HAN, CN
- [72] LI, JINHUA, CN
- [72] LI, YANG, CN
- [72] JIANG, FENG, CN
- [72] KUANG, CUIWEN, CN
- [72] XIA, HONGFENG, CN
- [72] ZHANG, HONGBO, CN
- [72] LAN, HONG, CN
- [72] WANG, JIABING, CN
- [72] DING, LIEMING, CN
- [71] BETTA PHARMACEUTICALS CO., LTD, CN
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- [25] EN
- [54] **TABLESS ENERGY STORAGE DEVICES AND METHODS OF MANUFACTURING THEREOF**
- [54] **DISPOSITIFS DE STOCKAGE D'ENERGIE SANS LANGUETTES ET LEURS PROCEDES DE FABRICATION**
- [72] EGGLESTON, BONNE, US
- [72] MOORS, MATTHIEU, US
- [72] KALT, ANDREW, US
- [72] GROSSMAN, MATTHEW, US
- [72] MACNAUGHTON, DANIEL, US
- [72] SCHAFER, DOUGLAS, US
- [71] TESLA, INC., US
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- [25] EN
- [54] **METHODS AND USES OF MICROBIOME COMPOSITIONS**
- [54] **PROCEDES ET UTILISATIONS DE COMPOSITIONS DE MICROBIOME**
- [72] GOVINDAN, JOTHI AMARANATH, US
- [72] JAYAMANI, ELAMPARITHI, US
- [72] CHATTER, PRITI H., US
- [72] CHATTER, MUKESH, US
- [71] MARVELBIOME, INC., US
- [85] 2023-03-06
- [86] 2021-09-10 (PCT/US2021/049885)
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- [30] US (63/077,544) 2020-09-11

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- [25] EN
- [54] **APPARATUS FOR SEPARATING CO₂ FROM AMBIENT AIR AND FOR ABSORBING CONCENTRATED CO₂ WITH A FILTER MADE OF STONE DUST**
- [54] **APPAREIL POUR SEPARER DU CO₂ CONTENU DANS L'AIR AMBIANT ET POUR ABSORBER DU CO₂ CONCENTRE AVEC UN FILTRE COMPOSE DE POUSSIÈRE DE PIERRE**
- [72] FREIHERR VON UND ZU WEILER, JORG, DE
- [72] PETRASCH, PHILLIP, IT
- [71] KUSE, KOLJA, DE
- [71] FREIHERR VON UND ZU WEILER, JORG, DE
- [71] PETRASCH, PHILLIP, IT
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- [25] FR
- [54] **LANDING GEAR ACTUATING DEVICE WITH DOUBLE-STAR MOTOR**
- [54] **DISPOSITIF D'ACTIONNEMENT D'ATTERISSEUR A MOTEUR DOUBLE-ETOILE**
- [72] ATTIVI, FOLY SELOM MARIUS, FR
- [72] LEYNAERT, FRANCOIS-NOEL, FR
- [72] COUSTENOBLE, STEVE, FR
- [71] SAFRAN LANDING SYSTEMS, FR
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- [86] 2021-09-09 (PCT/EP2021/074863)
- [87] (WO2022/053583)
- [30] FR (FR2009185) 2020-09-10

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- [25] EN
- [54] IMPROVED HIGH EFFICIENCY TARGETED IN SITU GENOME-WIDE PROFILING
- [54] PROFILAGE PANGENOMIQUE IN SITU CIBLE HAUTEMENT EFFICACE AMELIORE
- [72] HENIKOFF, STEVEN, US
- [71] FRED HUTCHINSON CANCER CENTER, US
- [85] 2023-03-06
- [86] 2021-09-10 (PCT/US2021/049944)
- [87] (WO2022/056309)
- [30] US (63/077,496) 2020-09-11
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- [25] EN
- [54] ANTI-CD47 ANTIBODIES AND METHODS OF USE
- [54] ANTICORPS ANTI-CD47 ET METHODES D'UTILISATION
- [72] WANG, JIIN-TARNG, CN
- [72] TSENG, CHI-LING, 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] 2023-03-06
- [86] 2021-09-28 (PCT/CN2021/121314)
- [87] (WO2022/063316)
- [30] CN (PCT/CN2020/118320) 2020-09-28

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- [54] ANIMAUX RONGEURS EXPRIMANT UN CR1 HUMAIN
- [72] MURPHY, ANDREW J., US
- [72] MACDONALD, LYNN, US
- [72] GURER, CAGAN, US
- [72] MEAGHER, KAROLINA A., US
- [72] VORONINA, VERA, US
- [72] PRASAD, BRINDA, US
- [71] REGENERON PHARMACEUTICALS, INC., US
- [85] 2023-03-06
- [86] 2021-09-30 (PCT/US2021/052931)
- [87] (WO2022/072671)
- [30] US (63/086,167) 2020-10-01

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- [25] EN
- [54] AUTOMATED RETAIL STORE AND SYSTEM
- [54] MAGASIN ET SYSTEME DE VENTE AU DETAIL AUTOMATISE
- [72] WONG, WAI KAY, CN
- [72] LAU, CHI KONG, CN
- [72] TSANG, YUET MEI, CN
- [72] YEUNG, CHIU YUEN, CN
- [72] LEUNG, LOK HEI, CN
- [72] WONG, WAI KIN, CN
- [72] CHEUNG, CLEMENT CHEK BONG, CN
- [71] SHOALTER AUTOMATION LIMITED, CN
- [85] 2023-03-06
- [86] 2021-11-01 (PCT/CN2021/127961)
- [87] (WO2023/010700)
- [30] HK (22021036045.3) 2021-08-04

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- [54] SYSTEM AND METHOD FOR ALTERING GROWTH OF BONES
- [54] SYSTEME ET PROCEDE POUR MODIFIER LA CROISSANCE DES OS
- [72] RAYES, FADY, CA
- [72] PALEY, DROR, US
- [72] LIONTIS, BOBBY, CA
- [71] PEGA MEDICAL INC., CA
- [85] 2023-03-06
- [86] 2021-09-10 (PCT/CA2021/051228)
- [87] (3191838)
- [30] US (63/074,899) 2020-09-04

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- [51] Int.Cl. C07K 16/28 (2006.01)
- [25] EN
- [54] ANTIGEN-BINDING MOLECULES THAT BIND CD38 AND/OR CD28, AND USES THEREOF
- [54] MOLECULES DE LIAISON A L'ANTIGENE SE LIANT A CD38 ET/OU CD28 ET LEURS UTILISATIONS
- [72] DILILLO, DAVID, US
- [72] HERMANN, AYNUR, US
- [72] KIRSHNER, JESSICA, US
- [72] OLSON, KARA, US
- [72] SINESHCHEKOVA, OLGA, US
- [72] SMITH, ERIC, US
- [72] ULLMAN, ERICA, US
- [71] REGENERON PHARMACEUTICALS, INC., US
- [85] 2023-03-06
- [86] 2021-09-17 (PCT/US2021/050850)
- [87] (WO2022/061098)
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 - [25] EN
 - [54] METHOD FOR DETERMINING A FRESH AIR VOLUME FLOW IN A VEHICLE FOR TRANSPORTING PEOPLE, AND DEVICE FOR CARRYING OUT THE METHOD
 - [54] PROCEDE DE DETERMINATION D'UN DEBIT VOLUMIQUE D'AIR FRAIS DANS UN VEHICULE POUR LE TRANSPORT DE PERSONNES, ET DISPOSITIF PERMETTANT DE METTRE EN ?UVRE LE PROCEDE
 - [72] HILDEBRANDT, ALEXANDER, DE
 - [72] REISS, GERHARD, DE
 - [71] SIEMENS MOBILITY GMBH, DE
 - [85] 2023-03-06
 - [86] 2021-08-06 (PCT/EP2021/072019)
 - [87] (WO2022/053235)
 - [30] DE (10 2020 211 304.1) 2020-09-09
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 - [25] EN
 - [54] SENSOR ARRAY
 - [54] RESEAU DE CAPTEURS
 - [72] SAMPRONI, JENNIFER, US
 - [71] SIEMENS HEALTHCARE DIAGNOSTICS INC, US
 - [85] 2023-03-06
 - [86] 2021-08-30 (PCT/US2021/048179)
 - [87] (WO2022/055737)
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 - [25] EN
 - [54] PROTEIN TYROSINE PHOSPHATASE INHIBITORS AND METHODS OF USE THEREOF
 - [54] INHIBITEURS DE PROTEINE TYROSINE PHOSPHATASE ET LEURS METHODES D'UTILISATION
 - [72] KYM, PHILIP R., US
 - [72] FROST, JENNIFER M., US
 - [72] ECONOMOU, CHRISTOS, US
 - [72] BOGDAN, ANDREW, US
 - [72] FOSU, STACY, US
 - [72] XIONG, ZHAOMING, US
 - [72] SCHOLZ, SPENCER O., US
 - [72] VOIGHT, ERIC, US
 - [72] FARNEY, ELLIOT P., US
 - [71] CALICO LIFE SCIENCES LLC, US
 - [71] ABBVIE INC., US
 - [85] 2023-03-06
 - [86] 2021-09-10 (PCT/US2021/049895)
 - [87] (WO2022/056281)
 - [30] US (63/077,330) 2020-09-11
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 - [25] EN
 - [54] CONVERTIBLE FLOAT VALVE ASSEMBLIES AND METHODS OF USING CONVERTIBLE FLOAT VALVE ASSEMBLIES
 - [54] ENSEMBLES SOUPAPES A FLOTTEUR CONVERTIBLES ET PROCEDES D'UTILISATION D'ENSEMBLES SOUPAPES A FLOTTEUR CONVERTIBLES
 - [72] WEBBER, ANDREW, US
 - [72] EHLINGER, JEFFRY C., US
 - [71] FORUM US, INC., US
 - [85] 2023-03-06
 - [86] 2021-09-08 (PCT/US2021/049419)
 - [87] (WO2022/055967)
 - [30] US (17/017,373) 2020-09-10
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 - [25] EN
 - [54] FLUORESCENT DYE AND METHOD FOR DETECTING TUMOR CELLS
 - [54] COLORANT FLUORESCENT ET PROCEDE DE DETECTION DE CELLULES TUMORALES
 - [72] MURAKAMI, MASAMOTO, JP
 - [72] KAWAKAMI, RYOSUKE, JP
 - [72] TSUDA, TERUKO, JP
 - [72] SAYAMA, KOJI, JP
 - [72] IMAMURA, TAKESHI, JP
 - [72] NIKO, YOSUKE, JP
 - [72] INOUE, KAZUKI, JP
 - [72] NAKAYAMA, TAKU, JP
 - [72] HADANO, SHINGO, JP
 - [72] WATANABE, SHIGERU, JP
 - [71] NATIONAL UNIVERSITY CORPORATION EHIME UNIVERSITY, JP
 - [71] NATIONAL UNIVERSITY CORPORATION KOCHI UNIVERSITY, JP
 - [85] 2023-03-07
 - [86] 2021-09-06 (PCT/JP2021/032637)
 - [87] (WO2022/054755)
 - [30] JP (2020-150559) 2020-09-08
 - [30] JP (2021-073923) 2021-04-26
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- [25] EN
- [54] METHODS FOR THE PRODUCTION OF INCREASED ANISOTROPIC COKE
- [54] PROCEDES DE PRODUCTION DE COKE ANISOTROPE AUGMENTE
- [72] UNSWORTH, JOHN FRANCIS, GB
- [72] ADAMS, JERAMIE JOSEPH, GB
- [72] BASSHAM, SETH TAYLOR, GB
- [72] PASPEK, STEPHEN CARL, GB
- [71] ARQ IP LIMITED, GB
- [85] 2023-03-07
- [86] 2021-09-10 (PCT/US2021/049753)
- [87] (WO2022/056189)
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[25] EN
[54] INTRAVENOUS FILTER
[54] FILTRE INTRAVEINEUX
[72] MASON, EUGENE, US
[72] WINE, JASON ANDREW, US
[72] FEITH, RAYMOND P., US
[71] CAREFUSION 303, INC., US
[85] 2023-03-07
[86] 2021-09-21 (PCT/US2021/051358)
[87] (WO2022/066664)
[30] US (17/030,015) 2020-09-23

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[13] A1

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[25] EN
[54] ELECTROSURGICAL DEVICES, METHODS OF USE, AND METHODS OF MANUFACTURE
[54] DISPOSITIFS ELECTROCHIRURGICAUX, PROCEDES D'UTILISATION ET PROCEDES DE FABRICATION
[72] FREY, LAURA CONSTANCE, IE
[72] MCFARLAND, SCOTT, IE
[72] SHERIDAN, PAUL, IE
[72] BURKE, MICHEAL, IE
[72] ERISMANN, FERNANDO, US
[71] STRYKER EUROPEAN OPERATIONS LIMITED, IE
[85] 2023-03-07
[86] 2021-09-09 (PCT/IB2021/000610)
[87] (WO2022/053867)
[30] US (63/076,089) 2020-09-09
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[51] Int.Cl. H02J 3/00 (2006.01) H02J 13/00 (2006.01)
[25] EN
[54] AUTONOMOUS TOPOLOGY VALIDATION FOR ELECTRICAL SUPPLY NETWORK
[54] VALIDATION AUTONOME DE TOPOLOGIE POUR RESEAU D'ALIMENTATION ELECTRIQUE
[72] TOULGOAT-DUBOIS, FREDERIC CHARLES, US
[71] LANDIS+GYR INNOVATIONS, INC., US
[85] 2023-03-07
[86] 2021-09-15 (PCT/US2021/050422)
[87] (WO2022/060808)
[30] US (17/026,648) 2020-09-21

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[13] A1

[51] Int.Cl. A61K 31/19 (2006.01)
[25] EN
[54] ENCAPSULATED AGENTS THAT BIND TO MCT-1
[54] AGENTS ENCAPSULES SE LIANT A MCT-1
[72] SUR, SUROJIT, US
[72] VOGELSTEIN, BERT, US
[72] KINZLER, KENNETH W., US
[72] ZHOU, SHIBIN, US
[72] PAPADOPoulos, NICKOLAS, US
[72] DAL MOLIN, MARCO, US
[72] RINCON-TORROELLA, JORDINA, US
[71] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2023-03-07
[86] 2021-08-31 (PCT/US2021/048372)
[87] (WO2022/055748)
[30] US (63/075,758) 2020-09-08

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[25] EN
[54] PESTICIDAL COMPOSITION COMPRISING ELEMENTAL SULPHUR AND FLUPYRADIFURONE
[54] COMPOSITION PESTICIDE COMPRENANT DU SOUFRE ELEMENTAIRE ET DU FLUPYRADIFURONE
[72] DOSHI, HITESHKUMAR ANILKANT, IN
[71] DOSHI, HITESHKUMAR ANILKANT, IN
[85] 2023-03-07
[86] 2021-09-22 (PCT/IB2021/058628)
[87] (WO2022/064375)
[30] IN (IN202021041292) 2020-09-23

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[13] A1

[51] Int.Cl. A61M 39/10 (2006.01) A61M 39/26 (2006.01)
[25] EN
[54] NEEDLELESS CONNECTOR HAVING CHECK VALVE WITH VALVE PIVOT SUPPORT
[54] RACCORD SANS AIGUILLE COMPORANT UN CLAPET ANTI RETOUR EQUIPE D'UN SUPPORT DE PIVOT DE CLAPET
[72] ODA, TODD, US
[72] FRAUSTO, TOMAS, US
[72] RAO, ARCHANA, US
[72] SALEH, ALI, US
[72] SHEVGOOR, SIDDARTH K., US
[72] MANSOUR, GEORGE, US
[71] CAREFUSION 303, INC., US
[85] 2023-03-07
[86] 2021-09-23 (PCT/US2021/051820)
[87] (WO2022/072218)
[30] US (17/037,442) 2020-09-29

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[13] A1

[51] Int.Cl. F16F 9/02 (2006.01)
[25] EN
[54] GAS SPRING AND RELATIVE SAFETY SYSTEM
[54] RESSORT A GAZ ET SYSTEME DE SECURITE ASSOCIE
[72] CAPPELLER, ALESSANDRO, IT
[71] CAPPELLER FUTURA S.R.L., IT
[85] 2023-03-07
[86] 2021-09-07 (PCT/IT2021/050274)
[87] (WO2022/054116)
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[13] A1

- [51] Int.Cl. E21B 19/14 (2006.01)
- [25] EN
- [54] INNOVATIVE MULTIFUNCTION MANIPULATOR FOR MANIPULATING DRILLING ELEMENTS IN A DRILLING RIG AND RELATED DRILLING RIG.
- [54] MANIPULATEUR MULTIFONCTION INNOVANT POUR MANIPULER DES ELEMENTS DE FORAGE DANS UN APPAREIL DE FORAGE, ET APPAREIL DE FORAGE ASSOCIE
- [72] TIBERI, ANDREA, US
- [72] BASILE, ADOLFO, US
- [71] DRILLMEC S.P.A., IT
- [85] 2023-03-07
- [86] 2021-09-22 (PCT/IB2021/058623)
- [87] (WO2022/064372)
- [30] IT (10202000022483) 2020-09-24

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- [51] Int.Cl. E21B 19/15 (2006.01) E21B 19/24 (2006.01)
- [25] EN
- [54] STABILIZATION MANIPULATOR FOR MOVING DRILLING ELEMENTS IN A DRILLING RIG, MANIPULATION SYSTEM AND DRILLING RIG
- [54] MANIPULATEUR DE STABILISATION POUR DEPLACER DES ELEMENTS DE FORAGE DANS UN APPAREIL DE FORAGE, SYSTEME DE MANIPULATION ET APPAREIL DE FORAGE
- [72] TIBERI, ANDREA, US
- [72] BASILE, ADOLFO, US
- [71] DRILLMEC S.P.A., IT
- [85] 2023-03-07
- [86] 2021-09-22 (PCT/IB2021/058625)
- [87] (WO2022/064374)
- [30] IT (10202000022486) 2020-09-24

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- [25] EN
- [54] A PROCESS FOR THE SYNTHESIS OF ANTHRANILIC ACID/AMIDE COMPOUNDS AND INTERMEDIATES THEREOF
- [54] PROCEDE DE SYNTHESE DE COMPOSES ACIDE ANTHRANILIQUE/AMIDE ET INTERMEDIAIRES DE CEUX-CI
- [72] SYTHANA, SURESH KUMAR, IN
- [72] NAGLE, PRAMOD, IN
- [72] SALVI, VIJAY KUMAR, IN
- [72] KANAWADE, SHRIKANT BHUSAHEB, IN
- [72] CHANDRE, TUKARAM NIRUTTI, IN
- [72] THUBE, VINAYAK KISAN, IN
- [72] PATIL, PRADEEP PRAKASH, IN
- [72] SHUKLA, SHALINI, IN
- [72] SHENDE, KANTILAL BALU, IN
- [72] PATRA, PRANAB KUMAR, IN
- [72] KLAUSENER, ALEXANDER G. M., DE
- [71] PI INDUSTRIES LTD., IN
- [85] 2023-03-07
- [86] 2021-09-25 (PCT/IB2021/058749)
- [87] (WO2022/064454)
- [30] IN (202011041843) 2020-09-26

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- [51] Int.Cl. C02F 11/14 (2019.01) C02F 11/127 (2019.01)
- [25] EN
- [54] METHODS AND SYSTEMS OF DEWATERING TAILINGS
- [54] PROCEDES ET SYSTEMES DE DESHYDRATATION DES RESIDUS
- [72] OSBORNE, DAVID, AU
- [72] GRAHAM, JAMES, AU
- [72] ORR, GEOFF, AU
- [72] FISHER, II JAMES C., US
- [71] SOMERSET INTERNATIONAL FINANCE LIMITED, IE
- [85] 2023-03-07
- [86] 2021-09-07 (PCT/IB2021/058136)
- [87] (WO2022/053932)
- [30] US (63/075,592) 2020-09-08

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- [25] EN
- [54] LATERAL FLOW NUCLEIC ACID ASSAY WITH INTEGRATED PORE-BASED DETECTION
- [54] DOSAGE D'ACIDE NUCLEIQUE A ECOULEMENT LATÉRAL AVEC DETECTION BASEE SUR DES PORES INTEGRES
- [72] MONBOUQUETTE, HAROLD G., US
- [72] BAE, YOUNGSAM, US
- [72] ZHENG, ZHENRONG, US
- [72] CAO, YAN, US
- [72] SCHMIDT, JACOB J., US
- [71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
- [71] ELECTRONUCLEICS, US
- [85] 2023-03-07
- [86] 2021-09-08 (PCT/US2021/049529)
- [87] (WO2022/056040)
- [30] US (63/075,669) 2020-09-08

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- [51] Int.Cl. A01K 67/027 (2006.01) A61K 35/761 (2015.01) A61N 7/00 (2006.01) C12N 15/86 (2006.01)
- [25] EN
- [54] DEVICES AND METHODS BASED ON ULTRASOUNDS FOR RESTORING VISION OR ANY OTHER BRAIN FUNCTION
- [54] DISPOSITIFS ET METHODES FAISANT APPEL A DES ULTRASONS POUR RESTAURER LA VISION OU TOUTE AUTRE FONCTION CEREBRALE
- [72] PICAUD, SERGE, FR
- [72] CADONI, SARA, FR
- [72] SAHEL, JOSE-ALAIN, FR
- [72] TANTER, MICKAEL, FR
- [72] DEMENE, CHARLIE, FR
- [71] SORBONNE UNIVERSITE, FR
- [71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
- [71] ECOLE SUPERIEURE DE PHYSIQUE ET DE CHIMIE INDUSTRIELLES DE LA VILLE DE PARIS, FR
- [71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
- [85] 2023-03-07
- [86] 2021-09-09 (PCT/EP2021/074868)
- [87] (WO2022/053587)
- [30] EP (20306000.9) 2020-09-09

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 - [25] EN
 - [54] GENETICALLY MODIFIED CANNABIS PLANTS WITH NOVEL PHENOTYPES
 - [54] PLANTES DE CANNABIS GENETIQUEMENT MODIFIEES PRESENTANT DE NOUVEAUX PHENOTYPES
 - [72] FRANCIS, C. MICHAEL, US
 - [72] BORCHERT, GLEN, US
 - [72] PROCTOR, SAMUEL E., US
 - [71] GROWING TOGETHER RESEARCH INC., US
 - [85] 2023-03-07
 - [86] 2021-09-22 (PCT/US2021/051535)
 - [87] (WO2022/066754)
 - [30] US (63/081,900) 2020-09-22
 - [30] US (63/188,354) 2021-05-13
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- [51] Int.Cl. A61F 9/008 (2006.01)
 - [25] EN
 - [54] ADJUSTING MOISTURE CONDITIONS FOR OPHTHALMIC LASER ABLATION SURGERY
 - [54] AJUSTEMENT DE CONDITIONS D'HUMIDITE POUR UNE CHIRURGIE OPHTALMIQUE D'ABLATION PAR LASER
 - [72] ABRAHAM, MARIO, DE
 - [72] WITTNEBEL, MICHAEL, DE
 - [71] ALCON INC., CH
 - [85] 2023-03-07
 - [86] 2021-09-17 (PCT/IB2021/058500)
 - [87] (WO2022/064335)
 - [30] US (63/083,354) 2020-09-25
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- [51] Int.Cl. B62D 35/00 (2006.01) B62D 37/02 (2006.01)
 - [25] EN
 - [54] DRAG REDUCTION SYSTEM AND METHOD
 - [54] SYSTEME ET PROCEDE DE REDUCTION DE TRAINEE
 - [72] SANDGREN, ERIC, US
 - [71] AERO TRUCK LIMITED, GB
 - [85] 2023-03-07
 - [86] 2021-09-08 (PCT/GB2021/052314)
 - [87] (WO2022/053798)
 - [30] US (63/075,417) 2020-09-08
 - [30] GB (2014885.4) 2020-09-21
 - [30] GB (2102245.4) 2021-02-17
 - [30] GB (2110010.2) 2021-07-12
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- [51] Int.Cl. A01B 79/02 (2006.01) G16C 20/30 (2019.01)
 - [25] EN
 - [54] METHODS FOR TREATING GROWING MEDIA CONTAINING PERSISTENT HERBICIDES
 - [54] PROCEDES DE TRAITEMENT DE MILIEUX DE CULTURE CONTENANT DES HERBICIDES PERSISTANTS
 - [72] LEWANDOWSKI, TERA EMILIE, US
 - [72] CASTORANO, NICHOLAS JOSEPH, US
 - [72] D'ANGELO, DAISY LOUISE, US
 - [72] RYGIELSKI, KIMBERLY ANN, US
 - [71] OMS INVESTMENTS, INC., US
 - [85] 2023-03-07
 - [86] 2021-09-08 (PCT/US2021/049385)
 - [87] (WO2022/055944)
 - [30] US (63/075,675) 2020-09-08
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[13] A1

- [51] Int.Cl. F16B 7/04 (2006.01) A47G 25/06 (2006.01) F16B 7/22 (2006.01)
 - [25] EN
 - [54] ANCHORING ELEMENT, ASSEMBLY AND SYSTEM
 - [54] ELEMENT D'ANCRAGE, ENSEMBLE ET SYSTEME
 - [72] GUSI GRACIA, CARLOS JOAQUIN, ES
 - [71] GEROX WORKS, S.L., ES
 - [85] 2023-03-07
 - [86] 2021-09-22 (PCT/IB2021/058638)
 - [87] (WO2022/064383)
 - [30] EP (20382848.8) 2020-09-25
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[13] A1

- [51] Int.Cl. B60N 2/07 (2006.01)
 - [25] EN
 - [54] LOOP LATCH RELEASE SYSTEM FOR A LONG RAIL ASSEMBLY
 - [54] SYSTEME DE LIBERATION DE VERROU A BOUCLE POUR UN ENSEMBLE A LONG RAIL
 - [72] ZHAO, KAI, US
 - [72] VETERE, LOUIS II, US
 - [72] FOLK, AVERY, US
 - [72] KURZEJA, KRISTOF M., US
 - [71] MAGNA SEATING INC., CA
 - [85] 2023-03-07
 - [86] 2021-09-24 (PCT/US2021/051959)
 - [87] (WO2022/067041)
 - [30] US (63/082,692) 2020-09-24
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- [51] Int.Cl. C12M 1/00 (2006.01) C12M 1/26 (2006.01)
 - [25] EN
 - [54] CELL RETENTION DEVICE
 - [54] DISPOSITIF DE RETENTION DES CELLULES
 - [72] BANCHIERI, ANDREW, US
 - [72] LIU, FLORA, US
 - [72] GRAHAM, MARC MILLER, US
 - [71] SUNFLOWER THERAPEUTICS, PBC, US
 - [85] 2023-03-07
 - [86] 2021-09-07 (PCT/US2021/049251)
 - [87] (WO2022/055859)
 - [30] US (63/075,443) 2020-09-08
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[13] A1

- [51] Int.Cl. E21B 49/08 (2006.01)
- [25] EN
- [54] FLUID SAMPLER TOOL AND ASSOCIATED SYSTEM AND METHOD
- [54] OUTIL D'ECHANTILLONNAGE DE FLUIDE ET SYSTEME ET PROCEDE ASSOCIES
- [72] ELSORSAR, AHMED ABDALLA, AE
- [72] PINSON, BENOIT, AE
- [72] ALFSON, BLAKE L., US
- [72] FISHEL, GADI, US
- [72] INGRAM, GARY D., US
- [71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
- [85] 2023-03-07
- [86] 2021-09-09 (PCT/US2021/049560)
- [87] (WO2022/076119)
- [30] US (17/066,339) 2020-10-08

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[21] 3,191,950

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- [51] Int.Cl. B66F 11/04 (2006.01)
 - [25] EN
 - [54] LIFTING MACHINE, SUCH AS AN AERIAL LIFT, FOR LIFTING PERSONS AND OPTIONAL LOADS**
 - [54] ENGIN ELEVATEUR, TEL QU'UNE NACELLE ELEVATRICE, POUR L'ELEVATION DE PERSONNE ET EVENTUELLEMENT DE CHARGE
 - [72] ROUSSEAU, JEROME, FR
 - [71] MANITOU BF, FR
 - [85] 2023-03-07
 - [86] 2021-09-06 (PCT/FR2021/051522)
 - [87] (WO2022/053754)
 - [30] FR (FR2009203) 2020-09-11
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- [51] Int.Cl. F16L 55/045 (2006.01)
 - [25] EN
 - [54] A NOVEL PASSIVE SURGE WATER HAMMER PROTECTION SYSTEM**
 - [54] NOUVEAU SYSTEME DE PROTECTION PASSIVE CONTRE LES COUPS DE BELIER
 - [72] GEHLLOT, ASHOK, IN
 - [71] GEHLLOT, ASHOK, IN
 - [85] 2023-03-07
 - [86] 2021-09-09 (PCT/IN2021/050881)
 - [87] (WO2022/059020)
 - [30] IN (202021040070) 2020-09-16
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[13] A1

- [51] Int.Cl. E04F 15/02 (2006.01)
 - [25] EN
 - [54] PANEL, COVERING, AND METHOD FOR MANUFACTURING SUCH A PANEL**
 - [54] PANNEAU, REVETEMENT ET PROCEDE DE FABRICATION D'UN TEL PANNEAU
 - [72] BOUCKE, EDDY ALBERIC, BE
 - [71] I4F LICENSING NV, BE
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 - [86] 2021-09-30 (PCT/EP2021/076943)
 - [87] (WO2022/069630)
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 - [54] THIONOESTER-DERIVATIVE OF RABEXIMOD FOR THE TREATMENT OF INFLAMMATORY AND AUTOIMMUNE DISORDERS**
 - [54] DERIVE DE THIOESTER DE RABEXIMOD POUR LE TRAITEMENT DE TROUBLES INFLAMMATOIRES ET AUTOIMMUNS
 - [72] BERGMAN, JAN, SE
 - [72] BERG, ROBERT, SE
 - [72] KINGI, NGARITA, SE
 - [72] O'KEEFFE, EVA, SE
 - [71] VIRONOVA MEDICAL AB, SE
 - [85] 2023-03-07
 - [86] 2021-09-21 (PCT/EP2021/075944)
 - [87] (WO2022/058614)
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 - [25] EN
 - [54] FILTERS, MOUNTS AND METHODS OF MOUNTING FILTERS**
 - [54] FILTRES, SUPPORTS ET PROCEDES DE MONTAGE DE FILTRES
 - [72] SALPIETRA, JORDAN, US
 - [71] RESTAURANT TECHNOLOGIES, INC., US
 - [85] 2023-03-07
 - [86] 2021-11-11 (PCT/US2021/058924)
 - [87] (WO2022/108817)
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 - [25] EN
 - [54] SYSTEMS AND METHODS FOR IMPLEMENTING TRANS-CLOUD APPLICATION TEMPLATES**
 - [54] SYSTEMES ET PROCEDES DE MISE EN ?UVRE DE MODELES D'APPLICATION TRANS-CLOUD
 - [72] HOFER, CHRISTIAN, ES
 - [72] PEREZ-GRIFFO, JAVIER, ES
 - [72] BANOS, PABLO, ES
 - [72] DEL VALLE, ALBERTO, ES
 - [71] CLOUDBLUE LLC, US
 - [85] 2023-03-07
 - [86] 2021-09-16 (PCT/US2021/050726)
 - [87] (WO2022/061022)
 - [30] US (63/079,413) 2020-09-16
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- [25] EN
- [54] MOBILE DEVICE WITH SECURE PRIVATE MEMORY**
- [54] DISPOSITIF MOBILE AVEC MEMOIRE PRIVEE SECURISEE
- [72] GAGNE-KEATS, JASON, US
- [72] MULLER, WOLFGANG, US
- [72] ANDERSON, GARY, US
- [72] FRANCO, NICHOLAS, US
- [72] THEOU, JEAN-BAPTISTE, US
- [71] OSOM PRODUCTS, INC., US
- [85] 2023-03-07
- [86] 2021-09-03 (PCT/US2021/049047)
- [87] (WO2022/055804)
- [30] US (63/075,688) 2020-09-08

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 - [54] CELLULOSE-BASED ACETATE FILM LINED MOLDED FIBER ARTICLES AND METHODS OF MANUFACTURE
 - [54] ARTICLES EN FIBRES MOULEES REVETUS D'UN FILM D'ACETATE A BASE DE CELLULOSE ET LEURS PROCEDES DE FABRICATION
 - [72] VERSLUYS, ROBERT THOR, US
 - [71] SONOCO PRODUCTS CO., US
 - [85] 2023-03-07
 - [86] 2021-09-08 (PCT/US2021/049397)
 - [87] (WO2022/055953)
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- [54] ELECTRONIC SMOKING DEVICE COMPRISING A RIGIDISED FLEXIBLE PCB
- [54] DISPOSITIF A FUMER ELECTRONIQUE COMPRENANT UNE CARTE DE CIRCUIT IMPRIME SOUPLE RIGIDIFIEE
- [72] ADAIR, KYLE, GB
- [72] LOVEDAY, PETER, GB
- [72] POPOOLA, OLAYIWOLA OLAMIPOSI, GB
- [71] JT INTERNATIONAL SA, CH
- [85] 2023-03-07
- [86] 2021-09-03 (PCT/EP2021/074391)
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 - [54] PHARMACEUTICAL COMPOSITION
 - [54] COMPOSITION PHARMACEUTIQUE
 - [72] STORCH, JAN, CZ
 - [72] PRUSOVA, LENKA, CZ
 - [71] CB21 PHARMA, S.R.O., CZ
 - [85] 2023-03-07
 - [86] 2021-11-17 (PCT/CZ2021/050136)
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- [25] EN
- [54] DUAL-STRAP HOISTING DEVICE AND PATIENT LIFT APPARATUS COMPRISING THE SAME
- [54] DISPOSITIF ELEVATEUR A DOUBLE SANGLE ET APPAREIL DE LEVAGE DE PATIENT LE COMPRENANT
- [72] STOKMAN, PETRUS HENRICUS MARIA, CH
- [72] DE SEIXAS GUIMARAES, TIAGO, PT
- [72] GONCALVES, HENRIQUE, PT
- [72] MONTEIRO, MARK, NL
- [71] INVACARE INTERNATIONAL GMBH, CH
- [85] 2023-03-07
- [86] 2021-09-02 (PCT/IB2021/058038)
- [87] (WO2022/053919)
- [30] EP (20195686.9) 2020-09-11
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 - [25] EN
 - [54] CONDITIONING CHAMBER FOR DUAL-INTERFACE FLUIDIC SYSTEM
 - [54] CHAMBRE DE CONDITIONNEMENT POUR SYSTEME FLUIDIQUE A DOUBLE INTERFACE
 - [72] DONKERS, JOANNE MARISKA, NL
 - [72] ESLAMI AMIRABADI, HOSSEIN, NL
 - [72] STREEKSTRA, EVELINE JULIA, NL
 - [72] BOUWHUIS, JOSSE JOHAN BERNHARD, NL
 - [72] SCHUREN, FRANK HENRI JOHAN, NL
 - [72] OSSENDRIJVER, MICHEL, NL
 - [72] VAN DE STEEG, EVITA, NL
 - [71] NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO, NL
 - [85] 2023-03-07
 - [86] 2021-09-07 (PCT/NL2021/050540)
 - [87] (WO2022/055345)
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- [25] EN
- [54] GENERATING TRAINING DATA FOR ESTIMATING MATERIAL PROPERTY PARAMETER OF FABRIC AND ESTIMATING MATERIAL PROPERTY PARAMETER OF FABRIC
- [54] GENERATION DE DONNEES D'APPRENTISSAGE POUR ESTIMER UN PARAMETRE DE PROPRIETE DE MATERIAU DE TISSU ET ESTIMER UN PARAMETRE DE PROPRIETE DE MATERIAU DE TISSU
- [72] CHOI, MYUNG GEOL, KR
- [72] JU, EUN JUNG, KR
- [71] CLO VIRTUAL FASHION INC., KR
- [85] 2023-03-07
- [86] 2021-09-07 (PCT/KR2021/012097)
- [87] (WO2022/050810)
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 - [25] EN
 - [54] DRINKING VESSEL WITH COVERING, AND HANDBAG AND HOLDING DEVICE FOR DRINKING VESSEL
 - [54] RECIPIENT A BOIRE PRESENTANT UNE ENVELOPPE ET SAC A MAINS ET DISPOSITIF DE MAINTIEN POUR RECIPIENT A BOIRE
 - [72] ECKHOLD, SIMONA, DE
 - [71] ECKHOLD, SIMONA, DE
 - [85] 2023-03-07
 - [86] 2021-09-01 (PCT/EP2021/074089)
 - [87] (WO2022/058165)
 - [30] DE (10 2020 124 412.6) 2020-09-18
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- [25] EN
- [54] AGRICULTURAL FORMULATIONS, USES THEREOF AND PROCESSES FOR PREPARATION THEREOF
- [54] FORMULATIONS AGRICOLES, LEURS UTILISATIONS ET LEURS PROCEDES DE PREPARATION
- [72] OGAWA, TOSHIYA, US
- [72] ZHOU, KE, US
- [72] TANUWIDJAJA, JESSICA, US
- [72] LIU, JANE, US
- [71] VALENT U.S.A. LLC, US
- [85] 2023-03-07
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 - [54] DISPOSITIF DE SEPARATION ET PROCEDE DE SEPARATION
 - [72] GO, GIHOON, US
 - [72] APLAON, DON B., US
 - [72] HUANG, FANNY, US
 - [72] GJERDE, DOUGLAS T., US
 - [71] PHYNEXUS, INC., US
 - [85] 2023-03-07
 - [86] 2021-10-06 (PCT/US2021/053751)
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 - [30] US (63/087,996) 2020-10-06
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- [54] SYSTEME DE RONDELLE A PRESSION ALTERNATIVE POUR LE NETTOYAGE D'ENGRENAGES OUVERTS
- [72] SHUMKA, JASON, CA
- [72] SHUMKA, THOMAS, CA
- [71] SHUMKA, JASON, CA
- [71] SHUMKA, THOMAS, CA
- [85] 2023-03-07
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 - [25] EN
 - [54] INTELLIGENT CLEANING SYSTEM
 - [54] SYSTEME DE NETTOYAGE INTELLIGENT
 - [72] WU, YADONG, CN
 - [72] FU, HAIYANG, CN
 - [72] XIA, LEI, CN
 - [72] XU, BOJIAN, CN
 - [71] DREAME INNOVATION TECHNOLOGY (SUZHOU) CO., LTD., CN
 - [85] 2023-03-07
 - [86] 2021-08-30 (PCT/CN2021/115247)
 - [87] (WO2022/048510)
 - [30] CN (202010929134.7) 2020-09-07
 - [30] CN (202010928370.7) 2020-09-07
 - [30] CN (20201928732.4) 2020-09-07
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 - [30] CN (20201928734.3) 2020-09-07
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- [25] EN
- [54] CERVICAL SUPPORT SYSTEM AND METHOD OF USE
- [54] SYSTEME DE SOUTIEN DU CERVIX ET PROCEDE D'UTILISATION
- [72] HOUSE, MICHAEL, US
- [72] NORWITZ, ERROL, US
- [72] HICKMAN, DWAYNE E., JR., US
- [72] MCCASLIN, CHRISTOPHER, US
- [72] EVANS, CHRISTOPHER O., US
- [72] LAING, GENEVIEVE R. K., US
- [72] CAMPBELL, DEVON C., US
- [71] TUFTS MEDICAL CENTER, INC., US
- [71] CX THERAPEUTICS, INC., US
- [85] 2023-03-07
- [86] 2021-09-07 (PCT/US2021/049209)
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[54] AUTO-INJECTEUR POUR L'ADMINISTRATION DE MEDICAMENTS
[72] PAINCHAUD, GAETAN, FR
[72] YEMANE-TEKESTE, GIRUM, US
[72] TODESCO, MARC, FR
[71] EMERGENT PRODUCT DEVELOPMENT GAITHERSBURG INC., US
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[86] 2021-09-07 (PCT/US2021/049210)
[87] (WO2022/055839)
[30] US (63/075,718) 2020-09-08

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[54] AUTHENTICATION USING CURRENT DRAWN BY SECURITY DEVICE
[54] AUTHENTICATION A L'AIDE D'UN COURANT TIRE PAR UN DISPOSITIF DE SECURITE
[72] FISTER, ZACHARY NATHAN, US
[72] RADEMACHER, TIMOTHY JOHN, US
[72] ELLIS, JAMES HOWARD JR., US
[72] WILLIAMS, JENNIFER TOPMILLER, US
[71] LEXMARK INTERNATIONAL, INC., US
[85] 2023-03-07
[86] 2021-09-08 (PCT/US2021/049491)
[87] (WO2022/056019)
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[25] EN
[54] SINTERED CATHODE ACTIVE MATERIAL ELEMENTS AND METHODS THEREOF
[54] ELEMENTS EN MATERIAU ACTIF DE CATHODE FRITTE ET PROCEDES ASSOCIES
[72] CALDWELL, TURNER BORIS, US
[72] THURSTON, ANTHONY MICHAEL, US
[72] LIU, HAO, US
[72] MILLER, ALEXANDER THOMAS, US
[71] TESLA, INC., US
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[86] 2021-09-20 (PCT/US2021/051128)
[87] (WO2022/066584)
[30] US (63/081,470) 2020-09-22

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[25] EN
[54] WASTE MANAGEMENT AND STORAGE APPARATUS AND METHOD
[54] APPAREIL ET PROCEDE DE STOCKAGE ET DE GESTION DES DECHETS
[72] RIGGS, JORDAN, US
[72] BRATTON, TOM, US
[72] GILBERT, JEREME, US
[72] TSAI, LARRY, US
[71] PARIO, LLC, US
[85] 2023-03-07
[86] 2021-09-10 (PCT/US2021/049812)
[87] (WO2022/056229)
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[25] EN
[54] CONTROL AND/OR REGULATING SYSTEM FOR AN AGRICULTURAL WORKING MACHINE
[54] SYSTEME DE COMMANDE ET/OU DE REGULATION DE MACHINE DE TRAVAIL AGRICOLE
[72] HEER, JOCHEN, DE
[72] SILTMANN, ALEXANDER, DE
[72] BECKER, BERND, DE
[72] WALTER, MICHAEL, DE
[71] AMAZONEN-WERKE H. DREYER SE & CO. KG, DE
[85] 2023-03-07
[86] 2021-09-07 (PCT/EP2021/074542)
[87] (WO2022/053446)
[30] DE (10 2020 123 356.6) 2020-09-08

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[25] EN
[54] PROCESSES FOR REDUCING STEAM CONSUMPTION AND IMPROVING PROCESS CARBON BALANCE IN BIOMASS CONVERSION TO SUGARS, BIOCHEMICALS, BIOFUELS, AND/OR BIOMATERIALS
[54] PROCEDES DE DIMINUTION DE CONSOMMATION DE VAPEUR ET D'AMELIORATION D'EQUILIBRE DE CARBONE DE PROCESSUS DANS LA CONVERSION DE BIOMASSE EN SUCRES, PRODUITS BIOCHIMIQUES, BIOCOMBUSTIBLES ET/OU EN BIOMATERIAU

[72] ZEBROSKI, RYAN, US
[71] GRANBIO INTELLECTUAL PROPERTY HOLDINGS, LLC, US
[85] 2023-03-07
[86] 2021-12-11 (PCT/US2021/062985)
[87] (WO2022/082122)
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- [25] EN
- [54] METHOD OF ESTIMATING CUMULATIVE DAMAGE AND FATIGUE STRENGTH OF A VIBRATING MACHINE
- [54] PROCEDE D'ESTIMATION DE DOMMAGES CUMULATIFS ET D'UNE RESISTANCE A LA FATIGUE D'UNE MACHINE VIBRANTE
- [72] TEYHAN, DOUGLAS ROBERT, AU
- [72] WOODWARD, JACK, AU
- [72] SULTAN QURRAIE, SAFA, AU
- [71] SCHENCK PROCESS AUSTRALIA PTY LIMITED, AU
- [85] 2023-03-17
- [86] 2021-09-20 (PCT/AU2021/051085)
- [87] (WO2022/061394)
- [30] AU (2020903451) 2020-09-25
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- [54] PROTEINES DE FUSION DE CORONAVIRUS IMMUNOGENES ET METHODES ASSOCIEES
- [72] POWELL, ABIGAIL E., US
- [72] WEIDENBACHER, PAYTON ANDERS-BENNER, US
- [72] FRIEDLAND, NATALIA, US
- [72] SANYAL, MRINMOY, US
- [72] KIM, PETER S., US
- [71] CZ BIOHUB SF, LLC, US
- [71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
- [85] 2023-02-27
- [86] 2021-08-27 (PCT/US2021/047885)
- [87] (WO2022/047116)
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- [25] EN
- [54] MEMBRANE PROTEIN ANALYSIS SUBSTRATE, METHOD OF PRODUCING MEMBRANE PROTEIN ANALYSIS SUBSTRATE, METHOD OF ANALYZING MEMBRANE PROTEIN AND MEMBRANE PROTEIN ANALYSIS GRID
- [54] SUBSTRAT D'ANALYSE DE PROTEINE MEMBRANAIRE, PROCEDE DE PRODUCTION DE SUBSTRAT D'ANALYSE DE PROTEINE MEMBRANAIRE, PROCEDE D'ANALYSE DE PROTEINE MEMBRANAIRE ET GRILLE D'ANALYSE DE PROTEINE MEMBRANAIR
- [72] SHIMADA, ATSUSHI, JP
- [71] KYUSHU UNIVERSITY, NATIONAL UNIVERSITY CORPORATION, JP
- [85] 2023-03-30
- [86] 2021-10-28 (PCT/JP2021/039829)
- [87] (WO2022/092208)
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- [54] CATIONIC CONTACT LENS
- [54] LENTILLE DE CONTACT CATIONIQUE
- [72] JI, YUAN, US
- [72] LIU, YUWEN, US
- [72] ROGERS, VICTORIA, US
- [72] LEE, HYO JEANG, US
- [72] SI, ERWIN C., US
- [72] KEIR, NANCY J., US
- [71] COOPERVISION INTERNATIONAL LIMITED, GB
- [85] 2023-03-30
- [86] 2021-12-09 (PCT/GB2021/053224)
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- [30] US (63/125,418) 2020-12-15
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- [25] EN
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- [54] FORME A L'ETAT SOLIDE DE PYROXASULFONE
- [72] ARONHIME, JUDITH, IL
- [72] SELLA-EREZ, ROTEM, IL
- [71] ADAMA AGAN LTD., IL
- [85] 2023-03-30
- [86] 2021-01-13 (PCT/IL2021/050042)
- [87] (WO2021/144796)
- [30] US (62/961,233) 2020-01-15
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- [25] EN
- [54] PROCESS FOR PREPARING ENANTIOMERICALLY ENRICHED JAK INHIBITORS
- [54] PROCEDE DE PREPARATION D'INHIBITEURS DE JAK ENRICHIS EN ENANTIOMERES
- [72] WIEDEMANN, SEAN, US
- [72] COWDEN, CAMERON J., US
- [72] BAZINET, PATRICK, US
- [72] KAVOURIS, KATHRYN E., US
- [72] WU, KUO-MING, US
- [72] LEWIS, ROBERT S., US
- [71] CONCERT PHARMACEUTICALS, INC., US
- [85] 2023-03-30
- [86] 2021-08-12 (PCT/US2021/045652)
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- [30] US (63/064,695) 2020-08-12
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- [25] EN
- [54] CONNECTOR FOR DETACHABLE ARRAY
- [54] CONNECTEUR POUR RESEAU DETACHABLE
- [72] WASSERMAN, YORAM, IL
- [71] NOVOCURE GMBH, CH
- [85] 2023-03-08
- [86] 2021-09-30 (PCT/IB2021/000669)
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[25] EN
[54] ORODISPERSIBLE FORMULATIONS
[54] FORMULATIONS ORODISPERSIBLES
[72] LOUGHLIN, RYAN, IE
[72] BOISSONNEAULT, ROGER M., IE
[71] MILLICENT PHARMA LIMITED, IE
[85] 2023-03-08
[86] 2021-06-24 (PCT/IB2021/055633)
[87] (WO2022/069956)
[30] US (63/084,723) 2020-09-29
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[51] Int.Cl. F16L 11/08 (2006.01) F16L 11/12 (2006.01)
[25] EN
[54] FLEXIBLE HOSE WITH A QR CODE
[54] TUYAU SOUPLE AVEC UN CODE QR
[72] PETRONILLI, ANDREA, IT
[72] STRAZZARI, LUCA, IT
[71] FITT S.P.A., IT
[85] 2023-03-08
[86] 2021-09-24 (PCT/IB2021/058716)
[87] (WO2022/079528)
[30] IT (102020000024055) 2020-10-13

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[25] EN
[54] REINFORCED RECYCLABLE FLEXIBLE HOSE
[54] TUYAU FLEXIBLE RECYCLABLE RENFORCE
[72] BATTAGLIA, LUCA, IT
[71] FITT S.P.A., IT
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[86] 2021-12-21 (PCT/IB2021/062107)
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[25] EN
[54] PARAMAGNETIC GARNET-BASED TRANSPARENT CERAMIC AND METHOD FOR PRODUCING SAME
[54] CERAMIQUE TRANSPARENTE A BASE D'UN GRENAT PARAMAGNETIQUE ET SON PROCEDE DE PRODUCTION
[72] TANAKA, KEITA, JP
[72] IKARI, MASANORI, JP
[72] MATSUMOTO, TAKUTO, JP
[71] SHIN-ETSU CHEMICAL CO., LTD., JP
[85] 2023-03-08
[86] 2021-08-18 (PCT/JP2021/030209)
[87] (WO2022/054515)
[30] JP (2020-151196) 2020-09-09

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[25] EN
[54] EFFECTIVE PERFORATION CLUSTER DETERMINATION FROM HYDRAULIC FRACTURING DATA
[54] DETERMINATION DE GROUPES DE PERFORATION EFFICACES A PARTIR DE DONNEES DE FRACTURATION HYDRAULIQUE
[72] ESTRADA BENAVIDES, JUAN DAVID, US
[72] ALMEIDA, DYLAN, US
[72] BONNELL, ANDREW, US
[72] BRUNS, JARED, US
[72] LI, ZIYAO, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2023-03-08
[86] 2021-09-08 (PCT/US2021/071385)
[87] (WO2022/056523)
[30] US (63/075,337) 2020-09-08

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[25] EN
[54] TRAIN SIMULATOR TEST SET AND METHOD THEREFOR
[54] ENSEMBLE DE TEST DE SIMULATEUR DE TRAIN ET PROCEDE ASSOCIE
[72] PITTMAN, DANIEL, US
[72] STERLING, ROSS, US
[71] BNSF RAILWAY COMPANY, US
[85] 2023-03-08
[86] 2021-09-09 (PCT/US2021/071412)
[87] (WO2022/056537)
[30] US (63/075,991) 2020-09-09

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[51] Int.Cl. E21B 17/00 (2006.01) E21B 47/16 (2006.01)
[25] EN
[54] SINGLE CRYSTAL ULTRASONIC TRANSDUCER WITH CHARGE MODE RECEIVER
[54] TRANSDUCTEUR ULTRASONOIRE MONOCRISTALLIN COMPRENANT UN RECEPTEUR A MODE CHARGE
[72] PIHL, JOACHIM ALEXANDER, NO
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2023-03-08
[86] 2021-09-16 (PCT/US2021/071480)
[87] (WO2022/109505)
[30] US (16/953,472) 2020-11-20

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[25] EN
[54] ORTHOSIS AND METHOD OF USE
[54] APPAREIL D'ORTHESE ET PROCEDE D'UTILISATION
[72] DOWLING, GEOFFREY, AU
[71] NEOFF MEDICAL PTY LTD, AU
[85] 2023-03-09
[86] 2021-08-18 (PCT/AU2021/050911)
[87] (WO2022/051797)
[30] AU (2020903244) 2020-09-10

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- [25] EN
- [54] METHOD FOR PRODUCING A ROLL GRINDER WITH MINIMAL GAP DIMENSIONS BETWEEN THE RUNNING ROLLER AND THE HANDLE BODY
- [54] PROCEDE DE PRODUCTION D'UNE MEULE A ROULEAUX AYANT DES DIMENSIONS D'INTERVALLE MINIMALES ENTRE LE ROULEAU MOBILE ET LE CORPS DE POIGNEE
- [72] HORL, TIMO, DE
[72] HORL, OTMAR, DE
[71] HORL 1993 GMBH, DE
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[87] (WO2022/053479)
[30] DE (DE 10 2020 123 499.6) 2020-09-09
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- [25] EN
- [54] METHOD AND TOOL FOR PLANNING AND DIMENSIONING SUBSEA PIPELINE-BASED TRANSPORT SYSTEMS FOR MULTIPHASE FLOWS
- [54] PROCEDE ET OUTIL DE PLANIFICATION ET DE DIMENSIONNEMENT DE SYSTEMES DE TRANSPORT A BASE DE PIPELINES SOUS-MARINS POUR ECOULEMENTS POLYPHASIQUES
- [72] BOUCHER, ALEXANDRE, FR
[72] MORIN, ALEXANDRE, NO
[72] MEESE, ERNST A. (DECEASED), XX
[71] LEDAFLOW TECHNOLOGIES DA, NO
[85] 2023-03-08
[86] 2021-09-08 (PCT/EP2021/074668)
[87] (WO2022/053490)
[30] NO (20201002) 2020-09-11

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- [25] EN
- [54] SHARPENING JIG HAVING AN ADJUSTABLE ANGLE
- [54] SUPPORT D'AFFUTAGE A ANGLE REGLABLE
- [72] HORL, TIMO, DE
[72] HORL, OTMAR, DE
[71] HORL 1993 GMBH, DE
[85] 2023-03-08
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[87] (WO2022/053518)
[30] DE (10 2020 123 503.8) 2020-09-09
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- [25] EN
- [54] METHOD AND APPARATUS FOR AUTOMATED QUALITY CONTROL FOR CUTTING MACHINES OF FLEXIBLE MATERIAL PARTS
- [54] PROCEDE ET DISPOSITIF DE CONTROLE QUALITE AUTOMATISE POUR DES INSTALLATIONS DE DECOUPE DE MATERIAUX FLEXIBLES
- [72] HELD, GUNNAR, DE
[71] HEFA HOLDING GMBH, DE
[85] 2023-03-08
[86] 2021-09-09 (PCT/EP2021/074795)
[87] (WO2022/053554)
[30] DE (10 2020 123 555.0) 2020-09-09

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- [25] EN
- [54] ANTI-ARGONAUTE PROTEIN AUTOANTIBODIES AS BIOMARKERS OF AUTOIMMUNE NEUROLOGICAL DISEASES
- [54] AUTO-ANTICORPS CONTRE LA PROTEINE ARGONAUTE COMME BIOMARQUEURS DES MALADIES NEUROLOGIQUES AUTO-IMMUNES
- [72] DO, LE DUY, FR
[72] HONNORAT, JEROME, FR
[72] PINTO, ANNE-LAURIE, FR
[72] MORITZ, CHRISTIAN PETER, FR
[72] ANTOINE, JEAN-CHRISTOPHE, FR
[72] CAMDESSANCHE, JEAN-PHILIPPE, FR
[72] MUNIZ-CASTRILLO, SERGIO, FR
[71] UNIVERSITE CLAUDE BERNARD LYON 1, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[71] HOSPICES CIVILS DE LYON, FR
[71] UNIVERSITE JEAN MONNET SAINT ETIENNE, FR
[71] CENTRE HOSPITALIER UNIVERSITAIRE DE SAINT ETIENNE, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[85] 2023-03-08
[86] 2021-09-14 (PCT/EP2021/075239)
[87] (WO2022/058309)
[30] EP (20306030.6) 2020-09-15

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 - [25] EN
 - [54] SYSTEM AND METHOD FOR USER CONTENT PERSONALIZATION
 - [54] SYSTEME ET PROCEDE DE PERSONNALISATION DE CONTENU D'UTILISATEUR
 - [72] SERBINIS, MICHAEL, CA
 - [72] GALPERIN, DAN, CA
 - [72] LEIBU, DAN, CA
 - [72] GOLESTANEH, MEHRASADAT, CA
 - [72] PERAMPALADAS, KUHAN, CA
 - [72] KOBROSLI, MOHAMMED, CA
 - [71] LEAGUE, INC., CA
 - [85] 2023-03-08
 - [86] 2021-09-08 (PCT/CA2021/051235)
 - [87] (WO2022/051844)
 - [30] US (63/075,893) 2020-09-09
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- [25] EN
- [54] METHODS FOR MANUFACTURING VIRAL VECTORS
- [54] PROCEDES DE FABRICATION DE VECTEURS VIRAUX
- [72] COISMAN, BRENT JULIAN, US
- [71] 2SEVENTY BIO, INC., US
- [85] 2022-11-30
- [86] 2021-06-10 (PCT/US2021/036840)
- [87] (WO2021/252782)
- [30] US (63/037,777) 2020-06-11

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 - [25] EN
 - [54] BATTERY MANAGEMENT
 - [54] GESTION DE BATTERIE
 - [72] VOLKERINK, HENDRIK J., US
 - [72] KHOCHE, AJAY, US
 - [71] TRACKONOMY SYSTEMS, INC., US
 - [85] 2023-04-03
 - [86] 2021-10-04 (PCT/US2021/053434)
 - [87] (WO2022/072945)
 - [30] US (63/087,224) 2020-10-04
 - [30] US (63/087,318) 2020-10-05
 - [30] US (63/087,306) 2020-10-05
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- [25] EN
- [54] BISPECIFIC FUSION POLYPEPTIDE COMPOUND
- [54] COMPOSE POLYPEPTIDIQUE DE FUSION BISPECIFIQUE
- [72] WANG, CUIQIN, CN
- [71] SHAANXI MICOT TECHNOLOGY CO., LTD., CN
- [85] 2023-03-08
- [86] 2021-04-20 (PCT/CN2021/088266)
- [87] (WO2022/052471)
- [30] CN (202010946404.5) 2020-09-10

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- [51] Int.Cl. A61K 31/519 (2006.01) A61P 35/00 (2006.01)
 - [25] EN
 - [54] USE OF PYRIDO[1,2-A]PYRIMIDINONE COMPOUND IN TREATING PERIPHERAL T CELL LYMPHOMA
 - [54] UTILISATION D'UN COMPOSE DE PYRIDO[1,2-A]PYRIMIDINONE DANS LE TRAITEMENT DU LYMPHOME T PERIPHERIQUE
 - [72] FENG, FAN, CN
 - [72] WANG, XUNQIANG, CN
 - [72] ZHAO, YING, CN
 - [72] HAN, XI, CN
 - [72] CHEN, LI, CN
 - [72] MA, RUITING, CN
 - [72] WU, NAIYING, CN
 - [71] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., CN
 - [85] 2023-03-08
 - [86] 2021-09-15 (PCT/CN2021/118417)
 - [87] (WO2022/057812)
 - [30] CN (202010967168.5) 2020-09-15
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- [25] EN
- [54] FASTENING DEVICE; METHOD OF ATTACHING A FASTENING DEVICE ONTO AT LEAST ONE COMPONENT
- [54] DISPOSITIF DE FIXATION ET PROCEDE POUR FIXER UN DISPOSITIF DE FIXATION A AU MOINS UN COMPOSANT
- [72] SCHNEIDER, MARTIN, DE
- [72] SCHEIDEL, ULRICH, DE
- [71] MEFA BEFESTIGUNGS- UND MONTAGESYSTEME GMBH, DE
- [85] 2023-03-08
- [86] 2021-08-30 (PCT/DE2021/100720)
- [87] (WO2022/053105)
- [30] DE (10 2020 123 901.7) 2020-09-14

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[51] Int.Cl. C12N 15/113 (2010.01)
[25] EN
[54] **METHOD OF TREATING FATTY LIVER DISEASE**
[54] **METHODE DE TRAITEMENT D'UNE STEATOSE HEPATIQUE**
[72] LINDEN, DANIEL, SE
[72] LEE, RICHARD, US
[72] BUI, HUYNH-HOA, US
[72] ROMEO, STEFANO, SE
[71] ASTRAZENECA AB, SE
[71] IONIS PHARMACEUTICALS, INC., US
[85] 2023-03-08
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[87] (WO2022/063782)
[30] US (63/081,633) 2020-09-22

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[25] EN
[54] **DISPOSABLE AND SYSTEM WITH A PORT**
[54] **ELEMENT JETABLE ET SYSTEME COMPRENANT UN ORIFICE**
[72] HAECKER, JUERGEN, DE
[72] KELLER, BURKARD, DE
[72] BREHM, WINFRIED, DE
[72] BOND, OLIVER, DE
[72] FEHLER, MATTHIAS, DE
[72] THEN, MARKUS, DE
[72] LAUER, MARTIN, DE
[71] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
[85] 2023-03-08
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[87] (WO2022/074049)
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[30] DE (10 2021 103 496.5) 2021-02-15

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[25] EN
[54] **APPARATUS AND METHOD FOR THERMAL FOUNDATION ELEMENTS**
[54] **APPAREIL ET PROCEDE POUR ELEMENTS DE FONDATION THERMIQUES**
[72] GHAFARROKHY, SEYED MASIH ALAVY, CA
[72] RAK, LADISLAV, CA
[72] WANG, JUN, CA
[72] SALT, DAVID ERNEST, CA
[72] ALAVI, AFROOZALSADAT, CA
[72] PARSLAW, JAROSLAVA MARIE-MAGDALENA, CA
[72] DWORAKIN, SETH B., CA
[72] MAHMOUD, AYMAN MAHMOUD BAYOMY, CA
[72] MWEISGYE, AGGREY, CA
[72] NGUYEN, HIEP V., CA
[71] CAPTURE TECHNOLOGIES CORPORATION, CA
[85] 2023-03-09
[86] 2021-09-14 (PCT/CA2021/051283)
[87] (WO2022/051874)
[30] US (63/078,308) 2020-09-14
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[25] EN
[54] **FORMULATED AND/OR CO-FORMULATED LIPOSOME COMPOSITIONS CONTAINING PD-1 ANTAGONIST PRODRUGS USEFUL IN THE TREATMENT OF CANCER AND METHODS THEREOF**
[54] **COMPOSITIONS LIPOSOMALES FORMULEES ET/OU CO-FORMULEES CONTENANT DES PROMEDICAMENTS ANTAGONISTES DE PD-1 UTILES DANS LE TRAITEMENT DU CANCER ET METHODES ASSOCIEES**
[72] STOVER, DAVID, US
[72] BHARALI, DHRUBA, US
[72] HAY, BRUCE A., US
[72] SAFEIE, TAHHINEH, US
[71] NAMMI THERAPEUTICS, INC., US
[85] 2023-03-09
[86] 2021-09-10 (PCT/US2021/010039)
[87] (WO2022/055542)
[30] US (63/204,101) 2020-09-10

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[25] EN
[54] **IMPROVING SPACING AND/OR VENTILATION CONDITIONS IN THE CULTIVATION ENVIRONMENT OF PLANTS**
[54] **AMELIORATION DES CONDITIONS D'ESPACEMENT ET/OU DE VENTILATION DANS L'ENVIRONNEMENT DE CULTURE DE PLANTES**
[72] VENDERBOSCH, ANTONIUS HENRICUS JACOBUS, NL
[71] SOLI ORGANIC INC., US
[85] 2023-03-09
[86] 2021-09-07 (PCT/US2021/049258)
[87] (WO2022/055864)
[30] NL (2026433) 2020-09-09

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- [25] EN
- [54] **COMBINATION THERAPY COMPRISING CANCER-TARGETED CAR-T CELLS AND A METHOD OF USING SAME FOR A TREATMENT FOR CANCER**
- [54] **POLYTHERAPIE COMPRENANT DES CELLULES CAR-T CIBLANT LE CANCER ET SA METHODE D'UTILISATION POUR UN TRAITEMENT DU CANCER**
- [72] NISS, KNUST, US
- [72] KASSIM, SADIK H., US
- [72] BROWN, CHRISTINE E., US
- [72] FORMAN, STEPHEN J., US
- [72] BADIE, BEHNAM, US
- [71] MUSTANG BIO, INC., US
- [71] CITY OF HOPE, US
- [85] 2023-03-09
- [86] 2021-09-09 (PCT/US2021/049597)
- [87] (WO2022/056085)
- [30] US (63/076,805) 2020-09-10

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- [25] EN
- [54] **VIEWING OPTIC**
- [54] **OPTIQUE DE VISUALISATION**
- [72] TOY, SETH, US
- [72] MORELL, ROB, US
- [71] SHELTERED WINGS, INC. D/B/A VORTEX OPTICS, US
- [85] 2023-03-09
- [86] 2021-09-09 (PCT/US2021/049657)
- [87] (WO2022/056122)
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- [25] EN
- [54] **CAPTURING EVIDENCE**
- [54] **CAPTURE DE PREUVES**
- [72] DI FRANCO, GIUSEPPE, AU
- [72] LOO, FREDERICK, AU
- [72] AZIMI, NIMA, AU
- [72] PARSONS, ROBERT WILLIAM, AU
- [72] DELL, SETH, AU
- [71] ASSETOWL TECHNOLOGIES PTY LTD, AU
- [85] 2022-06-21
- [86] 2021-01-29 (PCT/AU2021/050066)
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- [30] AU (2020900235) 2020-01-29

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- [25] EN
- [54] **MULTI-SPECIFIC IMMUNE TARGETING MOLECULES AND USES THEREOF**
- [54] **MOLECULES DE CIBLAGE IMMUNITAIRES MULTISPECIFIQUES ET LEURS UTILISATIONS**

- [72] GANESAN, RAJKUMAR, US
- [72] HANSEN, MICHAEL RIIS, US
- [72] GREWAL, IQBAL S., US
- [72] SINGH, SANJAYA, US
- [71] JANSSEN BIOTECH, INC., US
- [85] 2023-03-09
- [86] 2021-09-10 (PCT/US2021/049769)
- [87] (WO2022/056199)
- [30] US (63/077,407) 2020-09-11
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- [25] EN
- [54] **SYSTEM AND METHOD FOR MULTIPARTY SECURE COMPUTING PLATFORM**
- [54] **SISTÈME ET PROCÉDÉ POUR PLATE-FORME INFORMATIQUE SECURISÉE MULTIPARTITE**
- [72] VINTILA, IUSTINA-MIRUNA, RO
- [72] SIMONELIS, JUSTIN, CA
- [72] KHANDAVILLI, AMBICA PAWAN, CA
- [72] KNOESS, CHRISTOPH, CA
- [72] MCKAY, DAVID IAN, CA
- [72] ORTIZ, EDISON U., CA
- [72] POURTABATABAIE, ARYA, CA
- [72] RICHARDS, JORDAN ALEXANDER, CA
- [72] SALTER, MARGARET INEZ, CA
- [71] ROYAL BANK OF CANADA, CA
- [85] 2023-03-10
- [86] 2021-09-13 (PCT/CA2021/051272)
- [87] (WO2022/051868)
- [30] US (63/077,368) 2020-09-11
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- [30] US (63/130,540) 2020-12-24
- [30] US (63/141,788) 2021-01-26
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- [25] EN
- [54] **PERIMETER SEATED KNIFE GATE VALVE**
- [54] **ROBINET-VANNE A GUILLOTINE A SIEGE PERIMETRIQUE**
- [72] KOVACS, RICHARD, US
- [72] CARROLL, JEREMY, US
- [72] BATES, RANDY, US
- [71] ITT MANUFACTURING ENTERPRISES LLC, US
- [85] 2023-03-09
- [86] 2020-10-27 (PCT/US2020/057475)
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- [25] EN
- [54] ANTI-NECTIN-4 ANTIBODY, CONJUGATE INCLUDING SAME, AND APPLICATION THEREOF
- [54] ANTICORPS ANTI-NECTINE-4, CONJUGUE LE COMPRENANT, ET APPLICATION ASSOCIEE
- [72] WANG, CHENG, CN
- [72] LIU, DENGNIAN, CN
- [72] LI, FEN, CN
- [72] XIAO, LIANG, CN
- [72] XUE, TONGTONG, CN
- [72] GE, JUNYOU, CN
- [72] WANG, JINGYI, CN
- [72] LIU, LE, CN
- [72] REN, QI, CN
- [71] SICHUAN KELUN-BIOTECH BIOPHARMACEUTICAL CO., LTD., CN
- [85] 2023-03-10
- [86] 2021-09-06 (PCT/CN2021/116651)
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- [30] CN (202010972365.6) 2020-09-16
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- [25] EN
- [54] BENZO OXYGEN-CONTAINING HETEROCYCLIC COMPOUNDS AND MEDICAL APPLICATION THEREOF
- [54] COMPOSE HETERO CYCLIQUE CONTENANT DE L'OXYGENE BENZO ET SON APPLICATION MEDICALE
- [72] ZHAN, ZHENGYUN, CN
- [71] AB PHARMA LTD., CN
- [85] 2023-03-10
- [86] 2021-09-10 (PCT/CN2021/117623)
- [87] (WO2022/053013)
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- [25] EN
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- [54] METHODES D'ADMINISTRATION DE DOSES THERAPEUTIQUES DE MOLECULES BISPECIFIQUES ACTIVANT LES LYMPHOCYTES T POUR LE TRAITEMENT DU CANCER
- [72] MCCULLOUGH, ADAM B., US
- [72] KOUROS-MEHR, HOSEIN, US
- [72] KUFER, PETER, DE
- [72] SALVATI, MARK, US
- [72] MINELLA, ALEXANDER C., US
- [72] NAGORSEN, DIRK, US
- [72] UPRETI, VIJAY, US
- [72] MINOCHA, MUKUL, US
- [72] HOUK, BRETT, US
- [71] AMGEN INC., US
- [71] AMGEN RESEARCH (MUNICH) GMBH, DE
- [85] 2023-03-09
- [86] 2021-09-15 (PCT/US2021/050546)
- [87] (WO2022/060901)
- [30] US (63/079,418) 2020-09-16

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- [25] EN
- [54] MOUNTING TABLE FOR MANUFACTURING A PANEL ASSEMBLY
- [54] TABLE DE MONTAGE POUR LA FABRICATION D'UN ENSEMBLE PANNEAU
- [72] CORDIER, FRANCOIS-XAVIER, LU
- [72] FERRARI, MATTEO, LU
- [72] CARVALHEIRAS, CATARINA, LU
- [71] LEKO LABS S.A., LU
- [85] 2023-03-10
- [86] 2021-09-10 (PCT/EP2021/025340)
- [87] (WO2022/053180)
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- [25] EN
- [54] TETRAHYDROISOQUINOLINE DERIVATIVES FOR THE TREATMENT OF RED BLOOD DISORDERS AND INFLAMMATORY DISEASES
- [54] DERIVES DE TETRAHYDROISOQUINOLEINE POUR LE TRAITEMENT DE MALADIES DES GLOBULES ROUGES ET DE MALADIES INFLAMMATOIRES
- [72] BARBERIS, CLAUDE, US
- [72] KARAGEORGE, GEORGE, US
- [72] JURCAK, JOHN, US
- [72] TERRANOVA, KRISTEN, US
- [71] SANOFI, FR
- [85] 2023-03-09
- [86] 2021-09-14 (PCT/US2021/050212)
- [87] (WO2022/056448)
- [30] US (63/078,118) 2020-09-14
- [30] US (63/229,338) 2021-08-04

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- [25] EN
- [54] ASSEMBLING DEVICE FOR MANUFACTURING A PANEL ASSEMBLY
- [54] DISPOSITIF D'ASSEMBLAGE PERMETTANT LA FABRICATION D'UN ENSEMBLE PANNEAU
- [72] CORDIER, FRANCOIS-XAVIER, LU
- [72] FERRARI, MATTEO, LU
- [72] CARVALHEIRAS, CATARINA, LU
- [71] LEKO LABS S.A., LU
- [85] 2023-03-10
- [86] 2021-09-10 (PCT/EP2021/025340)
- [87] (WO2022/053180)
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[25] EN
[54] BIO-REDUCTION OF METAL ORES INTEGRATED WITH BIOMASS PYROLYSIS
[54] BIOPREDUCTION DE MINERAIS METALLIQUES INTEGRES A LA PYROLYSE DE BIOMASSE
[72] MENNELL, JAMES A., US
[72] DAUGAARD, DAREN, US
[72] SLACK, DUSTIN, US
[71] CARBON TECHNOLOGY HOLDINGS, LLC, US
[85] 2023-03-09
[86] 2021-09-25 (PCT/US2021/052102)
[87] (WO2022/067135)
[30] US (63/083,223) 2020-09-25

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[25] EN
[54] CARRIER FOR CONTAINERS
[54] SUPPORT POUR CONTENANTS
[72] MCCREE, JUSTIN, GB
[72] GOULD, STEVE M., GB
[71] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2023-03-09
[86] 2021-09-28 (PCT/US2021/052278)
[87] (WO2022/072298)
[30] US (63/085,365) 2020-09-30
[30] US (63/086,681) 2020-10-02
[30] US (63/120,863) 2020-12-03
[30] US (63/136,400) 2021-01-12
[30] US (63/208,646) 2021-06-09

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[25] EN
[54] SYSTEMS AND METHODS FOR AUTONOMOUS PRESSURE RELIEF VALVE TESTING
[54] SYSTEMES ET PROCEDES D'ESSAI AUTONOME DE SOUPAPE DE SURETE A PRESSION
[72] DULTRA, MARCELO, US
[72] BOCKELOH, WILLIAM, US
[71] EMERSON AUTOMATION SOLUTIONS FINAL CONTROL US LP, US
[85] 2023-03-09
[86] 2021-09-30 (PCT/US2021/052888)
[87] (WO2022/072639)
[30] US (63/085,912) 2020-09-30
[30] US (63/155,166) 2021-03-01

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[54] ULTRAFAST PICKLING METHOD AND INSTALLATION THEREFOR
[54] PROCEDE DE DECAPAGE ULTRARAPIDE ET INSTALLATION ASSOCIEE
[72] FLAMENT, SEBASTIEN, BE
[72] UIJTDEBROEKS, HUGO, BE
[72] TUSSET, VICTOR, BE
[72] NOVILLE, JEAN-FRANCOIS, BE
[72] SMAL, JULIEN, BE
[71] CENTRE DE RECHERCHES METALLURGIQUES ASBL-CENTRUM VOOR RESEARCH IN DE METALLURGIE VZW, BE
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[54] FORMULATION ANHYDRE DE PARFUM SOYEUX SANS ALCOOL
[72] MEEHAN, MATTHEW, US
[72] O'HALLORAN, DAVID, US
[71] AKI, INC., US
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[54] SYSTEMES, DISPOSITIFS ET PROCEDES POUR LA RECUPERATION D'UN IMPLANT DANS L'URETRE PROSTATIQUE
[72] MEHTA, SHREYA, US
[72] WEISS, AARON M., US
[72] BLY, AUSTIN MICHAEL, US
[71] ZENFLOW, INC., US
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 - [54] CLOSING ELEMENT FOR A FLUID LINE
 - [54] ELEMENT DE FERMETURE POUR CONDUITE DE FLUIDE
 - [72] LAFFAY, PHILIPPE, FR
 - [72] DUMONT-D'AYOT, FRANCOIS, FR
 - [72] LUAIRE, BENOIT, FR
 - [72] BREHM, WINFRIED, DE
 - [72] KAISER, MARTIN, DE
 - [72] SEIT, PAUL, DE
 - [72] STERZER, RAFAEL, DE
 - [71] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
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- [54] NOVEL ANTI-A2AP ANTIBODIES AND USES THEREOF
- [54] NOUVEAUX ANTICORPS ANTI-A2AP ET LEURS UTILISATIONS
- [72] HEITMEIER, STEFAN, DE
- [72] GLUNZ, JULIA, DE
- [72] FISCHER, MELANIE, DE
- [72] SCHULENBURG, CINDY, CH
- [72] JORISSEN, HANNAH, DE
- [72] THIEL, CHRISTOPH, DE
- [72] WILMEN, ANDREAS, DE
- [72] WEBER, ERNST, DE
- [71] BAYER AKTIENGESELLSCHAFT, DE
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 - [54] BIOPREDUCTION DE MINERAIS METALLIQUES INTEGRES A LA PYROLYSE DE BIOMASSE
 - [72] MENNELL, JAMES A., US
 - [72] DAUGAARD, DAREN, US
 - [72] SLACK, DUSTIN, US
 - [71] CARBON TECHNOLOGY HOLDINGS, LLC, US
 - [85] 2023-03-09
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- [54] CAPTEUR DE PRESSION FLEXIBLE A CAPACITE DE SURVEILLANCE SANS FIL
- [72] MAJERUS, STEVE J.A., US
- [72] ZORMAN, CHRISTIAN, US
- [72] CHONG, HAO, US
- [72] BASKIN, JONATHAN, US
- [72] TYLER, DUSTIN J., US
- [72] PINAULT, GILLES, US
- [71] CASE WESTERN RESERVE UNIVERSITY, US
- [71] THE DEPARTMENT OF VETERAN AFFAIRS, US
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- [86] 2021-09-14 (PCT/US2021/050282)
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 - [25] EN
 - [54] METHODS FOR TREATING MULTIPLE MYELOMA
 - [54] METHODES DE TRAITEMENT D'UN MYELOOME MULTIPLE
 - [72] GIRGIS, SUZETTE, US
 - [72] GOLDBERG, JENNA, US
 - [72] HILDER, BRANDI, US
 - [72] MA, XUEWEN, US
 - [72] RUSSELL, JEFFERY, US
 - [72] VERONA, RALUCA, US
 - [72] YANG, SHIYI, US
 - [72] PILLARISETTI, KODANDARAM, US
 - [71] JANSSEN BIOTECH, INC., US
 - [85] 2023-03-10
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- [54] ENCAPSULATED PREFABRICATED PANEL
- [54] PANNEAU PREFABRIQUE ENCAPSULE
- [72] DOMBOWSKY, MICHAEL ANTHONY, CA
- [71] NEXII BUILDING SOLUTIONS INC., CA
- [85] 2023-03-09
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 - [54] MECANISME D'APPLICATION DE FREIN D'UN FREIN A DISQUE
 - [72] DAHLENBURG, JULIAN, DE
 - [72] STOGER, CHRISTIAN, DE
 - [72] PETSCHKE, ANDREAS, DE
 - [72] ROTH, NATALIE, DE
 - [72] HAUSER, MAXIMILIAN, DE
 - [72] HIDRINGER, MICHAEL, DE
 - [72] BECK, THOMAS, DE
 - [72] HEINDL, MARTIN, DE
 - [72] HABERMANN, DIMITRIJ, DE
 - [72] THALER, THOMAS, DE
 - [72] SCHROPF, FREDERIC, DE
 - [72] EICHLER, THOMAS, DE
 - [71] KNORR-BREMSE SYSTEME FUR NUTZFAHRZEUGE GMBH, DE
 - [85] 2023-03-09
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 - [30] DE (10 2020 124 690.0) 2020-09-22
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- [25] EN
- [54] QUANTIZATION FOR NEURAL NETWORK COMPUTATION
- [54] QUANTIFICATION POUR CALCUL DE RESEAUX NEURONAUX
- [72] EDO VIVANCOS, ISAK, GB
- [72] HADI ZADEH, ALI, CA
- [72] MOHAMED AWAD, OMAR, CA
- [72] MOSHOVOS, ANDREAS, CA
- [71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
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 - [54] METHOD FOR CALCULATING BULK MATERIAL FEED RATES OR BULK MATERIAL LOADS OF A VIBRATORY MACHINE
 - [54] PROCEDE DE CALCUL DE DEBITS DE TRANSPORT DE MATIERES EN VRAC OU DE CHARGES DE MATIERES EN VRAC D'UNE MACHINE VIBRANTE
 - [72] SCHAEFER, JAN, DE
 - [72] RAIS, VIKTOR, DE
 - [71] SANDVIK MINING AND CONSTRUCTION DEUTSCHLAND GMBH, DE
 - [85] 2023-03-09
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- [25] EN
- [54] METHOD FOR RECOVERING PERMISSION TO USE TRANSMISSION OPPORTUNITY AND RELATED APPARATUS
- [54] METHODE DE RECUPERATION DE PERMISSION POUR UTILISER UNE OCCASION DE TRANSMISSION ET APPAREIL CONNEXE
- [72] YANG, MAO, CN
- [72] LI, BO, CN
- [72] LI, YUNBO, CN
- [72] GAN, MING, CN
- [71] HUAWEI TECHNOLOGIES CO., LTD., CN
- [85] 2023-03-09
- [86] 2021-12-16 (PCT/CN2021/138887)
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 - [54] PHARMACEUTICAL COMPOSITION IN THE FORM OF A HYDROGEL COMPRISING ORANGE-DERIVED EXTRACELLULAR VESICLES
 - [54] COMPOSITION PHARMACEUTIQUE SOUS FORME D'HYDROGEL COMPRENANT DES VESICULES EXTRACELLULAIRES DERIVEES DE L'ORANGE
 - [72] CAMUSSI, GIOVANNI, IT
 - [72] GAI, CHIARA, IT
 - [72] POMATTO, MARGHERITA ALBA CARLOTTA, IT
 - [71] EVOBIOTECH S.R.L., IT
 - [85] 2023-03-09
 - [86] 2021-09-08 (PCT/EP2021/074660)
 - [87] (WO2022/053485)
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- [54] EXPOSURE CONTROL IN PHOTOLITHOGRAPHIC DIRECT EXPOSURE METHODS FOR MANUFACTURING CIRCUIT BOARDS OR CIRCUITS
- [54] COMMANDE D'EXPOSITION DANS DES PROCEDES D'EXPOSITION DIRECTE PHOTOLITHOGRAPHIQUES POUR LA FABRICATION DE CIRCUITS OU DE CARTES DE CIRCUIT IMPRIME
- [72] SCHWARZ, CHRISTIAN, DE
- [72] BURGHOFF, JONAS, DE
- [72] HEINEMANN, STEFAN, DE
- [72] WAGNER, HOLGER, DE
- [72] RUCKER, STEFFEN, DE
- [72] JUGEL, FRANK, DE
- [71] LASER IMAGING SYSTEMS GMBH, DE
- [85] 2023-03-09
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- [30] DE (10 2020 124 006.6) 2020-09-15

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 - [54] NOUVEAU REGIME DE TRAITEMENT POUR LE TRAITEMENT DE TROUBLES AUTO-IMMUNS
 - [72] BOSCHERT, URSULA, CH
 - [72] WIEDERMAN, URS, DE
 - [71] MERCK PATENT GMBH, DE
 - [85] 2023-03-09
 - [86] 2021-09-10 (PCT/EP2021/074928)
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 - [30] US (62/706,795) 2020-09-10
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- [54] SYSTEMES REACTEURS A SELS FONDUS POUR LA PYROLYSE DU METHANE
- [72] SPANU, LEONARDO, US
- [72] POWELL, JOSEPH BROUN, US
- [72] MESTERS, CARL, US
- [72] YANG, GUOQIANG, US
- [71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
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- [86] 2021-09-15 (PCT/EP2021/075344)
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- [30] US (63/080,223) 2020-09-18

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 - [25] EN
 - [54] GREENHOUSE COMPRISING A CLIMATE CONTROL SYSTEM
 - [54] SERRE COMPRENANT UN SYSTEME DE CLIMATISATION
 - [72] VAN HEIJNINGEN, SVEN PETER, NL
 - [72] NOWE, WILLEM, NL
 - [71] ALCOMIJ BEHEER B.V., NL
 - [85] 2023-03-09
 - [86] 2021-09-23 (PCT/EP2021/076163)
 - [87] (WO2022/063875)
 - [30] NL (1043795) 2020-09-24
 - [30] NL (1043812) 2020-10-08
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- [25] EN
- [54] ANODE FOR ALKALINE WATER ELECTROLYSIS AND METHOD FOR PRODUCING SAME
- [54] ANODE POUR ELECTROLYSE D'EAU ALCALINE ET SON PROCEDE DE PRODUCTION
- [72] UCHIMOTO, YOSHIHARU, JP
- [72] UCHIYAMA, TOMOKI, JP
- [72] MITSUSHIMA, SHIGENORI, JP
- [72] KURODA, YOSHIYUKI, JP
- [72] NAGASAWA, KENSAKU, JP
- [72] NISHIKI, YOSHINORI, JP
- [72] ZAENAL, AWALUDIN, JP
- [72] BAO, YUN, JP
- [71] NATIONAL UNIVERSITY CORPORATION YOKOHAMA NATIONAL UNIVERSITY, JP
- [71] DE NORA PERMELEC LTD, JP
- [71] KYOTO UNIVERSITY, JP
- [85] 2023-04-04
- [86] 2021-10-14 (PCT/JP2021/038116)
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 - [25] EN
 - [54] LIVESTOCK MANAGEMENT SYSTEM AND METHOD
 - [54] SYSTEME ET PROCEDE DE GESTION DE BETAIL
 - [72] OLSSON, ASHLEY DEAN, AU
 - [71] CLIPEX IP LIMITED, GB
 - [85] 2023-04-04
 - [86] 2021-08-23 (PCT/AU2021/050937)
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 - [30] AU (2020903169) 2020-09-04
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 - [54] SUBCUTANEOUS ANTI-C5AR ANTAGONIST TREATMENT REGIMEN WITH AVDORALIMAB
 - [54] SCHEMA DE TRAITEMENT ANTI-ANTAGONISTE C5AR EN SOUS-CUTANE AVEC AVDORALIMAB
 - [72] PATUREL, CARINE, FR
 - [71] INNATE PHARMA, FR
 - [85] 2023-04-04
 - [86] 2021-08-06 (PCT/EP2021/072027)
 - [87] (WO2022/033981)
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- [54] DEMULTIPLICATEUR PERICYCLIQUE
- [72] MAHMOODI, ALI, IR
- [71] MAHMOODI, ALI, IR
- [85] 2023-03-06
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- [87] (WO2022/049560)
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- [25] EN
- [54] **SUBSTRATE FOR PRODUCING VALUE PAPERS OR SECURITY PAPERS**
- [54] **SUBSTRAT POUR LA PRODUCTION DE PAPIERS DE VALEUR OU DE PAPIERS DE SECURITE**
- [72] FUCHSBAUER, ANITA, AT
- [72] EGGINGER, MARTIN, AT
- [71] HUECK FOLIEN GESELLSCHAFT M.B.H., AT
- [85] 2023-03-09
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- [25] EN
- [54] **CONVERSION OF SOLID WASTE INTO SYNGAS AND HYDROGEN**
- [54] **CONVERSION DE DECHETS SOLIDES EN GAZ DE SYNTHESE ET EN HYDROGENE**
- [72] EURLINGS, JOHANNES THEODORUS GERARDUS MARIE, NL
- [71] RWE GENERATION NL B.V., NL
- [85] 2023-03-09
- [86] 2021-10-25 (PCT/EP2021/079462)
- [87] (WO2022/090118)
- [30] EP (20204801.3) 2020-10-29

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- [25] EN
- [54] **AN INSECTICIDAL COMPOSITION BASED ON SAPONIFIED TALL OIL AND METHOD FOR PRODUCTION THEREOF**
- [54] **COMPOSITION INSECTICIDE A BASE DE TALL-OIL SAPONIFIE ET SON PROCEDE DE PRODUCTION**
- [72] WAAG, AKE, SE
- [71] INNOVATIVE GREEN SOLUTIONS SVERIGE AB, SE
- [85] 2023-03-09
- [86] 2021-10-29 (PCT/EP2021/080167)
- [87] (WO2022/090489)
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- [54] **SEEP-RESISTANT PANEL**
- [54] **PANNEAU ETANCHE**
- [72] HANNIG, HANS-JURGEN, DE
- [72] HOFF, EGON, DE
- [71] AKZENTA PANEELE + PROFILE GMBH, DE
- [85] 2023-03-09
- [86] 2021-11-11 (PCT/EP2021/081333)
- [87] (WO2022/101318)
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- [25] EN
- [54] **METHODS, THERAPIES AND USES FOR TREATING CANCER**
- [54] **PROCEDES, THERAPIES ET UTILISATIONS POUR LE TRAITEMENT DU CANCER**
- [72] BARDY BOUXIN, NATHALIE ANNIE, FR
- [72] BARRY, ELOISA VIRGINIA, US
- [72] BLAKE-HASKINS, JOHN ANDREW, US
- [72] CHAN, GEOFFREY WING-LYNN, US
- [72] CHOU, JEFFREY, US
- [72] ELMELIEGY, MOHAMED A, US
- [72] KRUPKA, HEIKE IRIS, US
- [72] LIAO, KAI HSIN, US
- [72] VANDENDRIES, ERIK RENE, US
- [72] VIQUEIRA, ANDREA, ES
- [72] WISSEL, PAUL STEPHEN, US
- [72] YVER, ANNE, FR
- [71] PFIZER INC., US
- [85] 2023-03-09
- [86] 2021-09-10 (PCT/IB2021/058229)
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- [54] **TREATMENT METHODS USING ANTI-CD73 AND ANTI-PD-L1 ANTIBODIES AND CHEMOTHERAPY**
- [54] **PROCEDES DE TRAITEMENT UTILISANT DES ANTICORPS ANTI-CD73 ET ANTI-PD-L1 ET UNE CHIMIOTHERAPIE**
- [72] KUMAR, RAKESH, US
- [72] ENGLERT, JUDSON, US
- [72] COOPER, ZACHARY, US
- [72] MARTIN, PHILIP LLOYD, US
- [71] MEDIMMUNE, LLC, US
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- [86] 2021-09-22 (PCT/IB2021/058662)
- [87] (WO2022/064399)
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<p>[51] Int.Cl. C07K 16/00 (2006.01) C07K 16/22 (2006.01)</p> <p>[25] EN</p> <p>[54] CANINE ANTIBODY VARIANTS</p> <p>[54] VARIANTES D'ANTICORPS CANIN</p> <p>[72] BERGERON, LISA MARIE, US</p> <p>[72] CAMPOS, HENRY LUIS, US</p> <p>[71] ZOETIS SERVICES LLC, US</p> <p>[85] 2023-03-10</p> <p>[86] 2021-09-28 (PCT/US2021/052338)</p> <p>[87] (WO2022/067233)</p> <p>[30] US (63/084,241) 2020-09-28</p>		

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 - [54] ARTICLE DE SOIN BUCCAL COMPRENANT UN SUPPORT D'ADMINISTRATION INSOLUBLE DANS L'EAU ET DES PARTICULES HYDROPHILES SOLIDES COMPRENANT UN AGENT ACTIF DE SOIN BUCCAL
 - [72] SAGEL, PAUL ALBERT, US
 - [72] RAJAIAH, JAYANTH, US
 - [71] THE PROCTER & GAMBLE COMPANY, US
 - [85] 2023-03-10
 - [86] 2021-09-22 (PCT/US2021/051395)
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 - [30] US (63/093,513) 2020-10-19
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 - [30] US (63/093,523) 2020-10-19
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- [25] EN
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- [54] SUBSTRATS SOUPLES, TRANSPARENTS DESTINES A ETRE UTILISES DANS LA CICATRISATION DE PLAIES ET DANS LA BIOELECTRONIQUE POUVANT ETRE PORTEE
- [72] SESHDARI, DHRUV, US
- [72] ZORMAN, CHRISTIAN, US
- [72] BOGIE, KATHERINE M., US
- [71] CASE WESTERN RESERVE UNIVERSITY, US
- [71] THE DEPARTMENT OF VETERAN AFFAIRS, US
- [85] 2023-03-10
- [86] 2021-09-21 (PCT/US2021/051265)
- [87] (WO2022/061283)
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 - [54] ANTI-ROTATIONAL PIPE COUPLING
 - [54] COUPLAGE DE tuyau ANTI-ROTATION
 - [72] LEAVITT, CLARENCE, US
 - [71] AQSEPTENCE GROUP, INC., US
 - [85] 2023-03-10
 - [86] 2021-09-14 (PCT/US2021/050284)
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 - [54] LIPID NANOPARTICLES ENCAPSULATION OF LARGE RNA
 - [54] ENCAPSULATION DE GRANDS RNA DANS DES NANOParticules LIPIDIQUES
 - [72] BAO, YANJIE, US
 - [72] CLEMENTE, BRENDA, US
 - [72] KARMALI, PRIYA PRAKASH, US
 - [71] ARCTURUS THERAPEUTICS, INC., US
 - [85] 2023-03-10
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 - [87] (WO2022/056413)
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- [25] EN
- [54] ATRIOVENTRICULAR VALVE REPAIR RING
- [54] BAGUE DE REPARATION DE VALVE ATRIOVENTRICULAIRE
- [72] PEARSON, PAUL J., US
- [71] THE MEDICAL COLLEGE OF WISCONSIN, INC., US
- [85] 2023-03-10
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 - [25] EN
 - [54] DEVICES AND SYSTEMS FOR AN ENDOSCOPIC PROCEDURE
 - [54] DISPOSITIFS ET SYSTEMES POUR UN PROCEDE ENDOSCOPIQUE
 - [72] SRIVASTAVA, KYLE H., US
 - [72] KOYA, VIJAY, US
 - [72] SHUTE, JONATHAN B., US
 - [72] PIERE, CHRISTOPHER, US
 - [72] KRINGLE, MARK, US
 - [71] BOSTON SCIENTIFIC SCIMED, INC., US
 - [85] 2023-03-10
 - [86] 2021-09-13 (PCT/US2021/050075)
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- [54] CRYSTALLINE FORMS OF A COMPOUND FOR THE TARGETED DEGRADATION OF ESTROGEN RECEPTOR
- [54] FORMES CRISTALLINES D'UN COMPOSE POUR LA DEGRADATION CIBLEE DU RECEPTEUR DES STROGENES
- [72] BOULTON, KATHARINE VICTORIA, GB
- [72] CHEN, CHUNGPIN HERMAN, US
- [72] HASKELL, III, ROYAL J., US
- [72] REECE, HAYLEY, GB
- [71] ARVINAS OPERATIONS, INC., US
- [85] 2023-03-10
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 - [25] EN
 - [54] METHODS FOR BINDING SITE IDENTIFICATION USING HYDROGEN EXCHANGE MASS SPECTROMETRY
 - [54] PROCEDES D'IDENTIFICATION DE SITE DE FIXATION PAR SPECTROMETRIE DE MASSE A ECHANGE D'HYDROGENE
 - [72] ZHANG, SISI, US
 - [72] XIAO, HUI, US
 - [71] REGENERON PHARMACEUTICALS, INC., US
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 - [86] 2021-09-11 (PCT/US2021/049975)
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- [25] EN
- [54] EX VIVO PROTEASE ACTIVITY DETECTION FOR DISEASE DETECTION/DIAGNOSTIC, STAGING, MONITORING AND TREATMENT
- [54] DETECTION D'ACTIVITE DE PROTEASE EX VIVO POUR LA DETECTION/LE DIAGNOSTIC, LA STADIFICATION, LE SUIVI ET LE TRAITEMENT DE MALADIES
- [72] TOUTI, FAYCAL, US
- [72] ADAMOVICH, WENDY WINCKLER, US
- [72] CAZANAVE, SOPHIE, US
- [72] CHEEMA, MEHAR, US
- [72] LANGER, ROBERT S., US
- [71] GLYMPSE BIO, INC., US
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 - [54] METHODS AND COMPOSITIONS FOR MODULATING BETA CHAIN MEDIATED IMMUNITY
 - [54] METHODES ET COMPOSITIONS POUR MODULER L'IMMUNITE MEDIEE PAR LA CHAINE BETA
 - [72] GANESAN, RAJKUMAR, US
 - [72] GREWAL, IQBAL S., US
 - [72] SINGH, SANJAYA, US
 - [72] HANSEN, MICHAEL RIIS, US
 - [71] JANSSEN BIOTECH, INC., US
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- [54] COMBINATION PIPE SEAL AND GRIPS
- [54] JOINT DE tuyau et elements de prehension combines
- [72] GILES, PAUL, US
- [72] FARDSALEHI, HUMON GLENN, US
- [71] SAFE ISOLATIONS LLC, US
- [85] 2023-03-10
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 - [25] EN
 - [54] METHODS FOR PREPARATION OF A TERMINALLY STERILIZED HYDROGEL OR COLLOIDAL SUSPENSION DERIVED FROM EXTRACELLULAR MATRIX, AND USES THEREOF
 - [54] PROCEDES POUR LA PREPARATION D'UN HYDROGEL OU D'UNE SUSPENSION COLLOIDALE, STERILISE(E) DE MANIERE TERMINALE, ISSU(E) D'UNE MATRICE EXTRACELLULAIRE ET UTILISATIONS CORRESPONDANTES
 - [72] HUSSEY, GEORGE S., US
 - [72] BADYLAK, STEPHEN FRANCIS, US
 - [71] UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US
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 - [86] 2021-04-30 (PCT/US2021/030134)
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- [54] APPAREIL RESPIRATOIRE A DOUBLE MODE
- [72] NEUGEBAUER, NICHOLAS R., US
- [72] LASKOWSKI, MICHAEL, US
- [72] TEKELENBURG, MARCO, US
- [71] MSA TECHNOLOGY, LLC, US
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 - [54] VARIANTS D'ANTICORPS FELIN
 - [72] BERGERON, LISA MARIE, US
 - [72] CAMPOS, HENRY LUIS, US
 - [71] ZOETIS SERVICES LLC, US
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- [54] SYSTEME DE DISTRIBUTION DE VALVULE PROTHETIQUE
- [72] SYED, ASIM MINHAJ, US
- [72] HUMPHREY, TIMOTHY LEE, US
- [72] ARMER, DUSTIN P., US
- [72] ABBOTT, EASON MICHAEL, US
- [71] EDWARDS LIFESCIENCES CORPORATION, US
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- [25] EN
- [54] PROGRAMMING OF PAIRING AND MRI MODES IN AN IMPLANTABLE MEDICAL DEVICE SYSTEM
- [54] PROGRAMMATION DE MODES D'APPARIAGE ET IRM DANS UN SYSTEME DE DISPOSITIF MEDICAL IMPLANTABLE
- [72] GALLOVIC, HANNAH, US
- [72] KOTHANDARAMAN, SRIDHAR, US
- [72] RIVERA, JOHN, US
- [72] SHAH, CHIRAG, US
- [72] UYEDA, JOSHUA, US
- [71] BOSTON SCIENTIFIC NEUROMODULATION CORPORATION, US
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- [25] EN
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- [54] CONSTRUCTIONS D'ACIDES NUCLEIQUES, VECTEURS VIRAUX ET PARTICULES VIRALES
- [72] DEDEURWAERDERE, STEFANIE MARIE, GB
- [72] KRAMER, TAL, GB
- [72] SIPEKY, CSILLA, GB
- [72] VALLETTE, BRITTANY NICOLE, GB
- [72] XU, MEIYU, GB
- [71] UCB BIOPHARMA SRL, BE
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- [54] NOUVEAUX COMPOSES ET LEUR UTILISATION EN THERAPIE
- [72] TATE, EDWARD WILLIAM, GB
- [72] BELL, ANDREW SIMON, GB
- [72] BONNERT, ROGER, CH
- [72] CARR, ROBIN, GB
- [72] RITCHIE, TIMOTHY JOHN, GB
- [71] IMPERIAL COLLEGE INNOVATIONS LIMITED, GB
- [71] MYRICX PHARMA LIMITED, GB
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- [54] MACHINE D'INSPECTION POUR CUIR ET PROCEDE D'INSPECTION APPLICABLE A LADITE MACHINE
- [72] MASTROTTO, ROBERTO, IT
- [72] ZANIN, MICHELE, IT
- [71] BREVETTI C.E.A. S.P.A., IT
- [85] 2023-03-10
- [86] 2021-08-30 (PCT/IB2021/057910)
- [87] (WO2022/053906)
- [30] IT (102020000021502) 2020-09-10

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 - [25] EN
 - [54] LINEAR AND CYCLIC AROMATIC OLIGOAMIDES, METHODS OF MAKING SAME, AND USES THEREOF
 - [54] OLIGOAMIDES AROMATIQUES LINEAIRES ET CYCLIQUES, LEURS PROCEDES DE FABRICATION ET LEURS UTILISATIONS
 - [72] GONG, BING, US
 - [71] THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, US
 - [85] 2023-03-13
 - [86] 2021-09-13 (PCT/US2021/050041)
 - [87] (WO2022/056365)
 - [30] US (63/077,696) 2020-09-13
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 - [25] EN
 - [54] TENSIONER ADJUSTER
 - [54] DISPOSITIF DE REGLAGE DE TENDEUR
 - [72] FORTES, RAFAEL RODRIGUES, BR
 - [71] GATES CORPORATION, US
 - [85] 2023-03-13
 - [86] 2021-09-13 (PCT/US2021/050106)
 - [87] (WO2022/056405)
 - [30] US (63/078,261) 2020-09-14
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- [25] EN
- [54] COMBINATION THERAPY OF A PD-1 ANTAGONIST AND LAG3 ANTAGONIST AND LENVATINIB OR A PHARMACEUTICALLY ACCEPTABLE SALT THEREOF FOR TREATING PATIENTS WITH CANCER
- [54] POLYTHERAPIE A BASE D'UN ANTAGONISTE DE PD-1 ET D'UN ANTAGONISTE DE LAG3 ET DE LENVATINIB OU D'UN SEL PHARMACEUTIQUEMENT ACCEPTABLE DE CELUI-CI POUR TRAITER DES PATIENTS ATTEINTS D'UN CANCER

- [72] HEALY, JANE ANNE, US
 - [72] JHA, SUJATA SHRAWANKUMAR, US
 - [72] MARINELLO, PATRICIA, US
 - [72] PERINI, RODOLFO FLEURY, US
 - [72] WILLEMANN ROGERIO, JAQUELINE, US
 - [71] MERCK SHARP & DOHME LLC, US
 - [71] EISAI R&D MANAGEMENT CO., LTD., JP
 - [85] 2023-03-13
 - [86] 2021-09-14 (PCT/US2021/050143)
 - [87] (WO2022/060678)
 - [30] US (63/078,485) 2020-09-15
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- [51] Int.Cl. C07D 265/30 (2006.01) A61K 31/215 (2006.01) C07J 63/00 (2006.01)
 - [25] EN
 - [54] ANALOGS OF CDDO-2P-IM AND CDDO-3P-IM
 - [54] ANALOGUES DE CDDO-2P-IM ET DE CDDO-3P-IM
 - [72] SPORN, MICHAEL B., US
 - [71] TRITERPENOID THERAPEUTICS, INC., US
 - [85] 2023-03-13
 - [86] 2021-09-14 (PCT/US2021/050183)
 - [87] (WO2022/056439)
 - [30] US (63/077,869) 2020-09-14
 - [30] US (63/077,873) 2020-09-14
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[13] A1

- [25] EN
 - [54] A SCORING METHOD FOR AN ANTI-HER2 ANTIBODY-DRUG CONJUGATE THERAPY
 - [54] PROCEDE DE NOTATION DE THERAPIE PAR CONJUGUE ANTICORPS ANTI-HER2-MEDICAMENT
 - [72] SCHMIDT, GUENTER, DE
 - [72] BRIEU, NICOLAS, DE
 - [72] SPITZMUELLER, ANDREAS, DE
 - [72] KAPIL, ANSH, DE
 - [71] ASTRAZENECA UK LIMITED, GB
 - [71] DAIICHI SANKYO COMPANY, LIMITED, JP
 - [85] 2023-03-10
 - [86] 2021-09-11 (PCT/IB2021/058273)
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 - [25] EN
 - [54] SOLID FORMS OF A CDK4 INHIBITOR
 - [54] FORMES SOLIDES D'UN INHIBITEUR DE CDK4
 - [72] CLARK, WESLEY DEWITT, US
 - [72] DEAL, JUDITH GAIL, US
 - [72] SAMAS, BRIAN MATTHEW, US
 - [71] PFIZER INC., US
 - [85] 2023-03-10
 - [86] 2021-09-13 (PCT/IB2021/058320)
 - [87] (WO2022/058871)
 - [30] US (63/078,636) 2020-09-15
 - [30] US (63/240,268) 2021-09-02
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- [25] EN
- [54] DIAGNOSTIC ASSAYS EMPLOYING NEURON-DERIVED EXOSOMES
- [54] DOSAGES DIAGNOSTIQUES UTILISANT DES EXOSOMES DERIVES DE NEURONES
- [72] EITAN, EREZ, US
- [71] NEURODEX, INC., US
- [85] 2023-03-10
- [86] 2021-09-14 (PCT/IB2021/058351)
- [87] (WO2022/058881)
- [30] US (63/078,363) 2020-09-15

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[51] Int.Cl. A01M 7/00 (2006.01)
[25] EN
[54] VISION SYSTEM
[54] SYSTEME DE VISION
[72] WINKLER, NICHOLAS, US
[72] WILDERMUTH, PAUL, US
[71] PRECISION PLANTING LLC, US
[85] 2023-03-10
[86] 2021-10-15 (PCT/IB2021/059508)
[87] (WO2022/090851)
[30] US (63/105,543) 2020-10-26
[30] US (63/105,552) 2020-10-26
[30] US (63/105,566) 2020-10-26
[30] US (63/105,575) 2020-10-26
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[21] 3,195,067
[13] A1

[51] Int.Cl. A01M 7/00 (2006.01)
[25] EN
[54] VISION SYSTEM
[54] SYSTEME DE VISION
[72] WILDERMOUTH, PAUL, US
[72] STOLLER, JASON, US
[71] PRECISION PLANTING LLC, US
[85] 2023-03-10
[86] 2021-10-15 (PCT/IB2021/059509)
[87] (WO2022/090852)
[30] US (63/105,543) 2020-10-26
[30] US (63/105,552) 2020-10-26
[30] US (63/105,566) 2020-10-26
[30] US (63/105,575) 2020-10-26
[30] US (63/105,584) 2020-10-26

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[13] A1

[51] Int.Cl. A01M 7/00 (2006.01)
[25] EN
[54] NOZZLE LIGHT ASSEMBLY
[54] ENSEMBLE LUMIERE DE BUSE
[72] WINKLER, NICHOLAS, US
[72] WILDERMUTH, PAUL, US
[72] MCMENAMY, JUSTIN, US
[71] PRECISION PLANTING LLC, US
[85] 2023-03-10
[86] 2021-10-15 (PCT/IB2021/059510)
[87] (WO2022/090853)
[30] US (63/105,543) 2020-10-26
[30] US (63/105,552) 2020-10-26
[30] US (63/105,566) 2020-10-26
[30] US (63/105,575) 2020-10-26
[30] US (63/105,584) 2020-10-26

[21] 3,195,069
[13] A1

[51] Int.Cl. A01M 7/00 (2006.01)
[25] EN
[54] VISION SYSTEM
[54] SYSTEME DE VISION
[72] WINKLER, NICHOLAS, US
[72] STOLLER, JASON, US
[71] PRECISION PLANTING LLC, US
[85] 2023-03-10
[86] 2021-10-15 (PCT/IB2021/059512)
[87] (WO2022/090854)
[30] US (63/105,543) 2020-10-26
[30] US (63/105,552) 2020-10-26
[30] US (63/105,566) 2020-10-26
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[51] Int.Cl. A01B 69/00 (2006.01) A01B
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[25] EN
[54] AUTOSTEERED IMPLEMENT
[54] OUTIL A CONDUITE
AUTOMATISEE
[72] STOLLER, JASON, US
[72] STUBER, LUKE, US
[71] PRECISION PLANTING LLC, US
[85] 2023-03-10
[86] 2021-10-15 (PCT/IB2021/059514)
[87] (WO2022/090855)
[30] US (63/105,543) 2020-10-26
[30] US (63/105,552) 2020-10-26
[30] US (63/105,566) 2020-10-26
[30] US (63/105,575) 2020-10-26
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[13] A1

[51] Int.Cl. A01C 7/08 (2006.01) A01C
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[25] EN
[54] METER CALIBRATION
[54] ETALONNAGE D'UN DOSEUR
[72] FRANK, WILLIAM, US
[71] PRECISION PLANTING LLC, US
[85] 2023-03-10
[86] 2021-11-17 (PCT/IB2021/060638)
[87] (WO2022/130061)
[30] US (63/127,229) 2020-12-18
[30] US (63/127,277) 2020-12-18
[30] US (63/127,300) 2020-12-18
[30] US (63/127,327) 2020-12-18
[30] US (63/127,370) 2020-12-18
[30] US (63/127,437) 2020-12-18
[30] US (63/127,456) 2020-12-18
[30] US (63/127,473) 2020-12-18
[30] US (63/127,482) 2020-12-18
[30] US (63/190,278) 2021-05-19

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[51] Int.Cl. C12N 15/117 (2010.01) A61K
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[25] EN
[54] COMPLEX
[54] COMPLEXE
[72] HARADA, NAOZUMI, JP
[72] AKIYOSHI, KAZUNARI, JP
[72] SAWADA, SHIN-ICHI, JP
[71] UNITED IMMUNITY, CO., LTD., JP
[71] KYOTO UNIVERSITY, JP
[85] 2023-03-10
[86] 2020-09-10 (PCT/JP2020/034346)
[87] (WO2022/054207)

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C12N 15/13 (2006.01)
- [25] EN
- [54] THERAPEUTIC PHARMACEUTICAL COMPOSITION FOR AMYOTROPHIC LATERAL SCLEROSIS
- [54] COMPOSITION PHARMACEUTIQUE POUR LE TRAITEMENT DE LA SCLEROSE LATÉRALE AMYOTROPHIQUE
- [72] TASHIRO, KATSUHISA, JP
- [72] TAGUCHI, RYOTA, JP
- [71] EISAI R&D MANAGEMENT CO., LTD., JP
- [85] 2023-03-10
- [86] 2021-12-22 (PCT/JP2021/047532)
- [87] (WO2022/138707)
- [30] JP (2020-214739) 2020-12-24
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- [25] EN
- [54] IMPROVEMENTS IN, OR RELATING TO, TRIGGER VALVES
- [54] AMELIORATIONS APPORTEES OU LIEES A DES CLAPETS DE DECLENCHEMENT
- [72] WALKER, TIMOTHY, NZ
- [71] GLOBALFORCE IP LIMITED, NZ
- [85] 2023-03-10
- [86] 2021-09-10 (PCT/NZ2021/050162)
- [87] (WO2022/055374)
- [30] NZ (767885) 2020-09-10
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C12N 15/74 (2006.01) C12P 7/42
(2006.01)
- [25] EN
- [54] RECOMBINANT MICROORGANISMS AND USES THEREFOR
- [54] MICRO-ORGANISMES RECOMBINES ET LEURS UTILISATIONS
- [72] LIEW, FUNGMIN, US
- [72] KOEPKE, MICHAEL, US
- [71] LANZATECH, INC., US
- [85] 2023-04-06
- [86] 2022-02-07 (PCT/US2022/015493)
- [87] (WO2022/170191)
- [30] US (63/147,108) 2021-02-08
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- [51] Int.Cl. A61K 31/232 (2006.01) A61K
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- [25] EN
- [54] TREATMENT OF NON- ALCOHOLIC STEATOHEPATITIS (NASH)
- [54] TRAITEMENT DE LA STEATOHEPATITE NON ALCOOLIQUE (SHNA)
- [72] LIN, WEIQI, US
- [71] DURECT CORPORATION, US
- [85] 2023-01-18
- [86] 2021-05-21 (PCT/US2021/033743)
- [87] (WO2021/237143)
- [30] US (63/029,361) 2020-05-22
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- [30] US (63/113,116) 2020-11-12
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[25] EN	
[54] BEAM-STEERING DEVICE PARTICULARLY FOR LIDAR SYSTEMS	
[54] DISPOSITIF DE POINTAGE DE FAISCEAU, EN PARTICULIER POUR DES SYSTEMES LIDAR	
[72] BERNIER, JEAN-FRANCOIS, CA	
[72] BODZIANY, DOMINIQUE, CA	
[72] OLIVIER, PIERRE, CA	
[71] LEDDARTECH INC., CA	
[22] 2021-07-21	
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[62] 3,125,618	
[30] US (63/054,634) 2020-07-21	
[30] US (63/136,765) 2021-01-13	
[30] US (63/145,795) 2021-02-04	

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[25] EN	
[54] OPTICAL FIBER DISTRIBUTION HUB WITH FIBER ROUTING STRUCTURES	
[54] CONCENTRATEUR DE DISTRIBUTION DE FIBRES OPTIQUES AYANT DES STRUCTURES DE ROUTAGE DE FIBRES	
[72] MONTALVO, URBANO ADRIANA, MX	
[72] SANCHEZ GARCIA, SERGIO, MX	
[71] CORNING OPTICAL COMMUNICATIONS LLC, US	
[22] 2015-07-07	
[41] 2016-01-14	
[62] 2,954,776	
[30] US (62/022,875) 2014-07-10	

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[25] EN	
[54] CONTACT TIP AND RECEIVING ASSEMBLY OF A WELDING TORCH	
[54] TUBE CONTACT ET ENSEMBLE DE RECEPTION D'UN CHALUMEAU	
[72] CENTNER, ROBERT JOSEPH, US	
[72] WARNING, ROBERT LLOYD, US	
[71] ILLINOIS TOOL WORKS INC., US	
[22] 2016-09-02	
[41] 2017-03-23	
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[30] US (62/220,732) 2015-09-18	
[30] US (15/253,414) 2016-08-31	

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[25] EN	
[54] METHOD AND APPARATUS FOR PROCESSING MULTIMEDIA SIGNALS	
[54] PROCEDE ET APPAREIL DE TRAITEMENT DE SIGNAUX MULTIMEDIAS	
[72] OH, HYUNOH, KR	
[72] LEE, TAEGYU, KR	
[71] WILUS INSTITUTE OF STANDARDS AND TECHNOLOGY INC., KR	
[22] 2014-09-17	
[41] 2015-03-26	
[62] 3,122,726	
[30] US (61/878,638) 2013-09-17	
[30] KR (10-2013-0125936) 2013-10-22	
[30] US (61/894,442) 2013-10-23	

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[25] EN	
[54] AUTHENTICATING CREDENTIALS FOR MOBILE PLATFORMS	
[54] JUSTIFICATIFS D'IDENTITE POUR PLATEFORMES MOBILES	
[72] MAYS, DAVID, US	
[72] PRESS, JASON, US	
[71] COMCAST CABLE COMMUNICATIONS, LLC, US	
[22] 2013-10-03	
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[25] EN	
[54] HERMETICALLY-SEALED LIGHT FIXTURE FOR HAZARDOUS ENVIRONMENTS	
[54] APPAREIL D'ECLAIRAGE HERMETIQUEMENT SCELLE POUR ENVIRONNEMENTS DANGEREUX	
[72] MANAHAN, JOSEPH MICHAEL, US	
[71] EATON INTELLIGENT POWER LIMITED, IE	
[22] 2016-09-22	
[41] 2017-03-30	
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<p style="text-align: right;">[21] 3,194,383 [13] A1</p> <p>[25] EN [54] RAM EXTRUDING THIN PANELS OF UHMW POLYMERS [54] BELIER D'EXTRUSION DE PANNEAUX MINCES DE POLYMERES UHMW [72] BRANIFF, DANIEL PATRICK, CA [72] STRANGE, BRODERICK JASON, CA [71] ROCHLING ENGINEERING PLASTICS LTD., CA [22] 2017-02-17 [41] 2017-08-19 [62] 2,958,384 [30] US (15/047,935) 2016-02-19</p>	<p style="text-align: right;">[21] 3,194,405 [13] A1</p> <p>[25] EN [54] TRANSMISSION MECHANISM AND LOCK [54] MECANISME DE TRANSMISSION ET VERROU [72] HUANG, CHAO-MING, TW [71] TAIWAN FU HSING INDUSTRIAL CO., LTD., CN [22] 2021-08-18 [41] 2022-02-27 [62] 3,128,623 [30] TW (109211166) 2020-08-27</p>	<p style="text-align: right;">[21] 3,194,415 [13] A1</p> <p>[25] EN [54] NOZZLE FOR A PLASMA ARC TORCH [54] BUSE POUR CHALUMEAU A ARC A PLASMA [72] KRINK, VOLKER, DE [72] LAURISCH, FRANK, DE [72] GRUNDKE, TIMO, DE [71] KJELLBERG-STIFTUNG, DE [22] 2016-01-27 [41] 2016-08-11 [62] 2,975,533 [30] DE (DE 10 2015 101 532.3) 2015-02-03 [30] EP (15159816.6) 2015-03-19</p>

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<p>[21] 3,194,418 [13] A1</p> <p>[25] EN</p> <p>[54] INTEGRATED AQUEOUS SHUNT FOR GLAUCOMA TREATMENT</p> <p>[54] SHUNT AQUEUX INTEGRE POUR LE TRAITEMENT DU GLAUCOME</p> <p>[72] ROEBER, PETER J., US</p> <p>[72] TOWLER, JEFFREY C., US</p> <p>[71] W. L. GORE & ASSOCIATES, INC., US</p> <p>[22] 2018-03-16</p> <p>[41] 2018-09-20</p> <p>[62] 3,056,639</p> <p>[30] US (62/473,090) 2017-03-17</p> <p>[30] US (15/922,692) 2018-03-15</p>
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<p>[21] 3,194,423 [13] A1</p> <p>[51] Int.Cl. H01M 4/133 (2010.01) H01M 4/1393 (2010.01) C04B 35/52 (2006.01) C04B 41/85 (2006.01) H01M 10/05 (2010.01)</p> <p>[25] EN</p> <p>[54] IMMOBILIZED SELENIUM, A METHOD OF MAKING, AND USES OF IMMOBILIZED SELENIUM IN A RECHARGEABLE BATTERY</p> <p>[54] SELENIUM IMMOBILISE, PROCEDE DE FABRICATION ET UTILISATIONS DE SELENIUM IMMOBILISE DANS UNE BATTERIE RECHARGEABLE</p> <p>[72] EISSLER, ELGIN E., US</p> <p>[72] XU, WEN-QING, US</p> <p>[72] LI, XIAOMING, US</p> <p>[72] ZHANG, YANCHENG, US</p> <p>[72] PATKAR, SHAILESH, US</p> <p>[72] BARBAROSSA, GIOVANNI, US</p> <p>[72] GUO, YU-GUO, CN</p> <p>[72] ZHANG, SHUAIFENG, CN</p> <p>[72] YIN, YAXIA, CN</p> <p>[71] II-VI INCORPORATED, US</p> <p>[71] INSTITUTE OF CHEMISTRY, CHINESE ACADEMY OF SCIENCES, CN</p> <p>[22] 2017-02-16</p> <p>[41] 2017-08-24</p> <p>[62] 3,012,863</p> <p>[30] US (62/296,286) 2016-02-17</p> <p>[30] US (62/364,113) 2016-07-19</p> <p>[30] US (62/367,314) 2016-07-27</p>

<p>[21] 3,194,426 [13] A1</p> <p>[25] EN</p> <p>[54] PEPTIDES INHIBITING KLK1, KLK4, OR KLK4 AND KLK8</p> <p>[54] PEPTIDES INHIBITEURS DE KLK1, KLK4 OU KLK4 ET KLK8</p> <p>[72] NISHIMIYA, DAISUKE, JP</p> <p>[72] TAMURA, MASAKAZU, JP</p> <p>[71] DAIICHI SANKYO COMPANY, LIMITED, JP</p> <p>[22] 2018-09-06</p> <p>[41] 2019-03-14</p> <p>[62] 3,075,251</p> <p>[30] JP (2017-171776) 2017-09-07</p>
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<p>[21] 3,194,436 [13] A1</p> <p>[25] EN</p> <p>[54] METHOD AND APPARATUS FOR MODULATING HAPTIC FEEDBACK</p> <p>[54] PROCEDE ET APPAREIL DE MODULATION D'UNE RETROACTION HAPTIQUE</p> <p>[72] LONG, BENJAMIN, GB</p> <p>[72] SUBRAMANIAN, SRIRAM, GB</p> <p>[72] CARTER, THOMAS, GB</p> <p>[71] ULTRAHAPTICS IP LTD, GB</p> <p>[22] 2015-09-07</p> <p>[41] 2016-03-17</p> <p>[62] 2,955,606</p> <p>[30] GB (1415923.0) 2014-09-09</p>

<p>[21] 3,194,449 [13] A1</p> <p>[25] EN</p> <p>[54] HIGHER CONTAINMENT VSS WITH MULTI ZONE STRIPPING</p> <p>[54] VSS DE CONFINEMENT SUPERIEUR A EPURATION MULTIZONE</p> <p>[72] LOMAS, DAVID, US</p> <p>[71] MARATHON PETROLEUM COMPANY LP, US</p> <p>[22] 2017-09-22</p> <p>[41] 2019-03-22</p> <p>[62] 3,131,971</p>

<p>[21] 3,194,454 [13] A1</p> <p>[25] EN</p> <p>[54] METHODS, SYSTEMS AND COMPOSITIONS RELATING TO CELL CONVERSION VIA PROTEIN-INDUCED IN-VIVO CELL REPROGRAMMING</p> <p>[54] PROCEDES, SYSTEMES ET COMPOSITIONS ASSOCIES A UNE CONVERSION DE CELLULES PAR L'INTERMEDIAIRE D'UNE REPROGRAMMATION CELLULAIRE IN-VIVO INDUISTE PAR PROTEINES</p> <p>[72] WANG, JIANJUN, US</p> <p>[72] LI, QIANQIAN, US</p> <p>[72] CHOPP, MICHAEL, US</p> <p>[72] JIANG, FENG, US</p> <p>[72] WU, GUOJUN, US</p> <p>[71] WAYNE STATE UNIVERSITY, US</p> <p>[71] QURGEN, INC., US</p> <p>[22] 2014-10-27</p> <p>[41] 2015-04-30</p> <p>[62] 2,934,065</p> <p>[30] US (61/895,562) 2013-10-25</p>
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<p>[21] 3,194,484 [13] A1</p> <p>[25] EN</p> <p>[54] ADVANCED TOOLFACE CONTROL SYSTEM FOR A ROTARY STEERABLE DRILLING TOOL</p> <p>[54] SYSTEME DE COMMANDE DE FACE DE COUPE AVANCE POUR UN OUTIL DE FORAGE ORIENTABLE ROTATIF</p> <p>[72] GE, XIAOQING, US</p> <p>[72] VADALI, VENKATA MADHUKANTH, US</p> <p>[72] DYKSTRA, JASON D., US</p> <p>[72] SONG, XINGYONG, US</p> <p>[72] XUE, YUZHEN, US</p> <p>[71] HALLIBURTON ENERGY SERVICES, INC., US</p> <p>[22] 2014-11-10</p> <p>[41] 2016-05-19</p> <p>[62] 2,963,378</p>
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demandes mises à la disponibilité du public non disponibles auparavant**

<p style="text-align: right;">[21] 3,194,485 [13] A1</p> <p>[25] EN [54] ADVANCED TOOLFACE CONTROL SYSTEM FOR A ROTARY STEERABLE DRILLING TOOL [54] SYSTEME DE COMMANDE DE FACE DE COUPE AVANCE POUR UN OUTIL DE FORAGE ORIENTABLE ROTATIF [72] SONG, XINGYONG, US [72] DYKSTRA, JASON D., US [72] VADALI, VENKATA MADHUKANTH, US [72] XUE, YUZHEN, US [72] GE, XIAOQING, US [71] HALLIBURTON ENERGY SERVICES, INC., US [22] 2014-11-10 [41] 2016-05-19 [62] 2,963,378</p>	<p style="text-align: right;">[21] 3,194,562 [13] A1</p> <p>[25] EN [54] BERBERINE-URSODEOXYCHOLIC SALT, METHOD OF PREPARATION AND APPLICATION THEREOF [54] SEL DE BERBERINE-ACIDE URSDODESOXYCHOLIQUE, METHODE DE PREPARATION ET APPLICATION CONNEXE [72] LIU, LIPING, CN [71] SHENZHEN HIGHTIDE BIOPHARMACEUTICAL, LTD., CN [22] 2015-07-28 [41] 2016-02-04 [62] 2,945,609 [30] US (62/030,140) 2014-07-29 [30] US (62/030,147) 2014-07-29 [30] US (62/128,077) 2015-03-04</p>	<p style="text-align: right;">[21] 3,194,593 [13] A1</p> <p>[25] EN [54] SELF-CLEANING AIR FILTRATION APPARATUS AND METHOD [54] APPAREIL ET METHODE DE FILTRATION D'AIR AUTONETTOYANTE [72] EHRENBERG, ERIC L., US [72] MOREDOCK, JAMES G., US [71] THE SY-KLONE COMPANY, LLC, US [22] 2021-08-27 [41] 2022-12-24 [62] 3,129,266 [30] US (17/356,973) 2021-06-24</p>
<p style="text-align: right;">[21] 3,194,535 [13] A1</p> <p>[25] EN [54] PROBE COVER [54] CAPUCHON DE SONDE [72] NIX, SARAH, AU [72] CROFT, TARA, AU [72] POTAS, MICHAEL, AU [71] SABAN VENTURES PTY LIMITED, AU [22] 2016-10-28 [41] 2017-05-04 [62] 3,003,295 [30] AU (2015904461) 2015-10-30</p>	<p style="text-align: right;">[21] 3,194,571 [13] A1</p> <p>[51] Int.Cl. C08F 210/16 (2006.01) C08F 4/6592 (2006.01)</p> <p>[25] EN [54] ZIEGLER-NATT - METALLOCENE DUAL CATALYST SYSTEMS WITH ACTIVATOR-SUPPORTS [54] SYSTEMES CATALYTIQUES DOUBLES DE TYPE ZIEGLER-NATT/METALLOCENE PRESENTANT DES SUPPORTS D'ACTIVATEUR [72] DING, ERRUN, US [72] TSO, CHUNG C., US [72] YU, YOULU, US [72] YANG, QING, US [72] BUCK, RICHARD M., US [71] CHEVRON PHILLIPS CHEMICAL COMPANY, US [22] 2016-06-28 [41] 2017-01-12 [62] 2,989,918 [30] US (62/189,770) 2015-07-08</p>	<p style="text-align: right;">[21] 3,194,618 [13] A1</p> <p>[25] EN [54] SELF-CLEANING AIR FILTRATION APPARATUS AND METHOD [54] APPAREIL ET METHODE DE FILTRATION D'AIR AUTONETTOYANTE [72] EHRENBERG, ERIC L., US [72] MOREDOCK, JAMES G., US [71] THE SY-KLONE COMPANY, LLC, US [22] 2021-08-27 [41] 2022-12-24 [62] 3,129,266 [30] US (17/356,973) 2021-06-24</p>
<p style="text-align: right;">[21] 3,194,557 [13] A1</p> <p>[25] EN [54] SEQUENCING ADAPTER MANUFACTURE AND USE [54] FABRICATION ET UTILISATION D'ADAPTATEUR DE SEQUENCAGE [72] JENSEN, TAYLOR, US [72] ELLISON, CHRISTOPHER, US [71] SEQUENOM, INC., US [22] 2018-01-22 [41] 2018-07-26 [62] 3,049,455 [30] US (62/448,601) 2017-01-20</p>	<p style="text-align: right;">[21] 3,194,621 [13] A1</p> <p>[25] EN [54] METHODS FOR NON-INVASIVE ASSESSMENT OF COPY NUMBER ALTERATIONS [54] PROCEDES D'EVALUATION NON INVASIVE DE VARIATIONS DU NOMBRE DE COPIES [72] WU, YIJIN, US [72] MAZLOOM, AMIN, US [72] ZHONG, YANG, US [72] AZAB, MOSTAFA, US [71] SEQUENOM, INC., US [22] 2018-01-22 [41] 2018-07-26 [62] 3,049,457 [30] US (62/448,594) 2017-01-20</p>	

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<p>[21] 3,194,639 [13] A1</p> <p>[25] EN [54] WEED SEED DESTRUCTION WITH OPERATIONAL CONTROL [54] DESTRUCTION DES GRAINES DE MAUVAISES HERBES PAR CONTROLE OPERATIONNEL [72] MAYERLE, DEAN, CA [71] TRITANA INTELLECTUAL PROPERTY LTD., CA [22] 2018-09-11 [41] 2019-03-14 [62] 3,102,732 [30] US (15/701,096) 2017-09-11 [30] US (62/763,112) 2018-02-01</p>

<p>[21] 3,194,640 [13] A1</p> <p>[25] EN [54] SYLLABIC ROULETTE GAME WITH SOLMIZATION, AND METHOD [54] JEU DE ROULETTE SYLLABIQUE AVEC SOLMISATION, ET PROCEDE [72] FISHER, DONALD, US [72] LANGTIM, MELISSA, US [72] KRICH, DOUGLAS, US [72] GARMANN, DARLENE MARIE, US [72] FOOTE, STEPHEN, US [71] CG TECHNOLOGY, L.P., US [22] 2007-12-05 [41] 2008-06-12 [62] 2,926,495</p>
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<p>[21] 3,194,649 [13] A1</p> <p>[25] EN [54] LIGHT-EMITTING APPARATUS USING METASURFACES AND LIGHT-EMITTING METHOD THEREOF [54] APPAREIL ELECTROLUMINESCENT UTILISANT DES METASURFACES ET SON PROCEDE D'EMISSION DE LUMIERE [72] PAHLEVANINEZHAD, HAMID, CA [72] MOAVEN, ARIA, CA [72] PAHLEVANINEZHAD, MAJID, CA [72] SCHERWITZ, SAM, CA [71] 10644137 CANADA INC., CA [22] 2020-06-18 [41] 2020-12-24 [62] 3,122,600 [30] US (62/862,853) 2019-06-18 [30] US (62/961,317) 2020-01-15</p>

<p>[21] 3,194,657 [13] A1</p> <p>[25] EN [54] LIGHT-EMITTING APPARATUS USING METASURFACES AND LIGHT-EMITTING METHOD THEREOF [54] APPAREIL ELECTROLUMINESCENT UTILISANT DES METASURFACES ET SON PROCEDE D'EMISSION DE LUMIERE [72] PAHLEVANINEZHAD, HAMID, CA [72] MOAVEN, ARIA, CA [72] PAHLEVANINEZHAD, MAJID, CA [72] SCHERWITZ, SAM, CA [71] 10644137 CANADA INC., CA [22] 2020-06-18 [41] 2020-12-24 [62] 3,122,600 [30] US (62/862,853) 2019-06-18 [30] US (62/961,317) 2020-01-15</p>

<p>[21] 3,194,672 [13] A1</p> <p>[51] Int.Cl. A61K 47/54 (2017.01) A61K 47/66 (2017.01) A61K 47/68 (2017.01) A61K 31/00 (2006.01) A61K 31/15 (2006.01) A61K 31/175 (2006.01) A61K 31/277 (2006.01) A61K 31/513 (2006.01) [25] EN [54] AFFINITY MEDICANT CONJUGATES [54] CONJUGUES DE MEDICAMENT ET D'ELEMENT D'AFFINITE [72] KELNER, MICHAEL, US [71] AF CHEMICALS, LLC, US [22] 2015-04-09 [41] 2015-10-15 [62] 2,944,699 [30] US (61/978,195) 2014-04-10</p>
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<p>[21] 3,194,666 [13] A1</p> <p>[25] EN [54] LIGHT-EMITTING APPARATUS USING METASURFACES AND LIGHT-EMITTING METHOD THEREOF [54] APPAREIL ELECTROLUMINESCENT UTILISANT DES METASURFACES ET SON PROCEDE D'EMISSION DE LUMIERE [72] PAHLEVANINEZHAD, HAMID, CA [72] MOAVEN, ARIA, CA [72] PAHLEVANINEZHAD, MAJID, CA [72] SCHERWITZ, SAM, CA [71] 10644137 CANADA INC., CA [22] 2020-06-18 [41] 2020-12-24 [62] 3,122,600 [30] US (62/862,853) 2019-06-18 [30] US (62/961,317) 2020-01-15</p>

<p>[21] 3,194,673 [13] A1</p> <p>[25] EN [54] BATCH DISTILLING METHOD, STILL AND KIT [54] PROCEDE, ALAMBIC ET KIT DE DISTILLATION DISCONTINUE [72] EDVY, MATAN, IL [71] VER-STILL DISTILLATION SYSTEMS, LTD., IL [22] 2016-09-11 [41] 2017-03-16 [62] 3,026,232 [30] US (62/217,590) 2015-09-11</p>

<p>[21] 3,194,688 [13] A1</p> <p>[25] EN [54] METAL-DIELECTRIC OPTICAL FILTER, SENSOR DEVICE, AND FABRICATION METHOD [54] FILTRE OPTIQUE DIELECTRIQUE ET METALLIQUE, DISPOSITIF DE DETECTION, ET PROCEDE DE FABRICATION [72] OCKENFUSS, GEORG J., US [72] GUSTAFSON, TIM, US [72] KUNA, JEFFREY JAMES, US [72] BILGER, MARKUS, US [72] BRADLEY, RICHARD A., JR., US [71] VIAVI SOLUTIONS, INC., US [22] 2014-06-18 [41] 2015-12-23 [62] 3,158,041</p>

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demandes mises à la disponibilité du public non disponibles auparavant**

<p style="text-align: right;">[21] 3,194,698 [13] A1</p> <p>[25] EN [54] ACCESSORY RECOMMENDATION [54] RECOMMANDATION D'ACCESSOIRE [72] CUI, XIQUAN, US [72] QU, HUIMING, US [72] AFSHAR, ESTELLE, US [72] WU, SAN-HE, US [71] HOME DEPOT INTERNATIONAL, INC., US [22] 2018-09-28 [41] 2020-06-25 [62] 3,028,213 [30] US (16/143,723) 2018-09-27</p>	<p style="text-align: right;">[21] 3,194,751 [13] A1</p> <p>[25] EN [54] STABILIZING FEATURES IN A WEAR MEMBER ASSEMBLY [54] CARACTERISTIQUES DE STABILISATION DANS UN ENSEMBLE D'ELEMENTS D'USURE [72] BILAL, MOHAMAD, US [72] DIAZ, ISAI, US [71] HENSLEY INDUSTRIES, INC., US [22] 2017-05-11 [41] 2017-11-16 [62] 3,023,551 [30] US (62/335,789) 2016-05-13 [30] US (62/441,779) 2017-01-03 [30] US (15/589,647) 2017-05-08</p>	<p style="text-align: right;">[21] 3,194,778 [13] A1</p> <p>[25] EN [54] STABILIZING FEATURES IN A WEAR MEMBER ASSEMBLY [54] CARACTERISTIQUES DE STABILISATION DANS UN ENSEMBLE D'ELEMENTS D'USURE [72] BILAL, MOHAMAD, US [72] DIAZ, ISAI, US [71] HENSLEY INDUSTRIES, INC., US [22] 2017-05-11 [41] 2017-11-16 [62] 3,023,551 [30] US (62/335,789) 2016-05-13 [30] US (62/441,779) 2017-01-03 [30] US (15/589,647) 2017-05-08</p>
<p style="text-align: right;">[21] 3,194,732 [13] A1</p> <p>[25] EN [54] STABILIZING FEATURES IN A WEAR MEMBER ASSEMBLY [54] CARACTERISTIQUES DE STABILISATION DANS UN ENSEMBLE D'ELEMENTS D'USURE [72] BILAL, MOHAMAD, US [72] DIAZ, ISAI, US [71] HENSLEY INDUSTRIES, INC., US [22] 2017-05-11 [41] 2017-11-16 [62] 3,023,551 [30] US (62/335,789) 2016-05-13 [30] US (62/441,779) 2017-01-03 [30] US (15/589,647) 2017-05-08</p>	<p style="text-align: right;">[21] 3,194,767 [13] A1</p> <p>[25] EN [54] STABILIZING FEATURES IN A WEAR MEMBER ASSEMBLY [54] CARACTERISTIQUES DE STABILISATION DANS UN ENSEMBLE D'ELEMENTS D'USURE [72] BILAL, MOHAMAD, US [72] DIAZ, ISAI, US [71] HENSLEY INDUSTRIES, INC., US [22] 2017-05-11 [41] 2017-11-16 [62] 3,023,551 [30] US (62/335,789) 2016-05-13 [30] US (62/441,779) 2017-01-03 [30] US (15/589,647) 2017-05-08</p>	<p style="text-align: right;">[21] 3,194,780 [13] A1</p> <p>[25] EN [54] METHOD AND APPARATUS FOR ENCODING/DECODING IMAGE USING GEOMETRICALLY MODIFIED REFERENCE PICTURE [54] PROCEDE ET APPAREIL POUR CODER/DECODER UNE IMAGE A L'AIDE D'UNE IMAGE DE REFERENCE GEOMETRIQUEMENT MODIFIEE [72] KANG, JUNG WON, KR [72] LEE, HA HYUN, KR [72] LIM, SUNG CHANG, KR [72] LEE, JIN HO, KR [72] KIM, HUI YONG, KR [72] PARK, GWANG HOON, KR [72] KIM, TAE HYUN, KR [72] LEE, DAE YOUNG, KR [71] UNIVERSITY-INDUSTRY COOPERATION GROUP OF KYUNG HEE UNIVERSITY, KR [71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR [22] 2019-03-18 [41] 2019-09-26 [62] 3,094,439 [30] KR (10-2018-0031401) 2018-03-19 [30] KR (10-2018-0031402) 2018-03-19 [30] KR (10-2018-0031403) 2018-03-19</p>
<p style="text-align: right;">[21] 3,194,740 [13] A1</p> <p>[25] EN [54] STABILIZING FEATURES IN A WEAR MEMBER ASSEMBLY [54] CARACTERISTIQUES DE STABILISATION DANS UN ENSEMBLE D'ELEMENTS D'USURE [72] BILAL, MOHAMAD, US [72] DIAZ, ISAI, US [71] HENSLEY INDUSTRIES, INC., US [22] 2017-05-11 [41] 2017-11-16 [62] 3,023,551 [30] US (62/335,789) 2016-05-13 [30] US (62/441,779) 2017-01-03 [30] US (15/589,647) 2017-05-08</p>	<p style="text-align: right;">[21] 3,194,773 [13] A1</p> <p>[25] EN [54] MANAGEMENT SYSTEM FOR TABLE GAMES AND SUBSTITUTE CURRENCY FOR GAMING [54] SYSTEME DE GESTION POUR JEUX DE TABLE ET MONNAIE DE SUBSTITUTION POUR JEU [72] SHIGETA, YASUSHI, JP [71] ANGEL PLAYING CARDS CO., LTD., JP [22] 2016-11-17 [41] 2017-05-26 [62] 3,003,583 [30] JP (2015-240631) 2015-11-19</p>	

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<p style="text-align: right;">[21] 3,194,784 [13] A1</p> <p>[25] EN [54] DEVICE AND METHOD FOR FLUORESCENCE-BASED IMAGING AND MONITORING [54] DISPOSITIF ET PROCEDE POUR IMAGERIE ET SURVEILLANCE PAR FLUORESCENCE [72] DACOSTA, RALPH SEBASTIAN, CA [72] ZHANG, KAI, CA [72] WILSON, BRIAN C., CA [71] UNIVERSITY HEALTH NETWORK, CA [22] 2009-05-20 [41] 2009-11-26 [62] 3,162,577 [30] US (61/054,780) 2008-05-20</p>	<p style="text-align: right;">[21] 3,194,807 [13] A1</p> <p>[25] EN [54] TRANSAPICAL DELIVERY SYSTEM FOR HEART VALVES [54] SYSTEME DE MISE EN PLACE TRANSAPICALE DE VALVULES CARDIAQUES [72] JIMENEZ, TEODORO S., US [72] LEE, WALTER, US [72] DEHDASHTIAN, MARK, US [72] YEE, KRISTOPHER, US [71] EDWARDS LIFESCIENCES CORPORATION, US [22] 2010-07-14 [41] 2011-01-20 [62] 3,074,962 [30] US (61/225,510) 2009-07-14 [30] US (12/835,546) 2010-07-13</p>	<p style="text-align: right;">[21] 3,194,847 [13] A1</p> <p>[25] EN [54] DYNAMIC CONFIGURATION OF A FLEXIBLE ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING PHY TRANSPORT DATA FRAME PREAMBLE [54] CONFIGURATION DYNAMIQUE D'UN PREAMBULE DE TRAME DE DONNEES DE TRANSPORT PHY DE MULTPLEXAGE PAR REPARTITION ORTHOGONALE DE LA FREQUENCE SOUPLE [72] SHELBY, KEVIN A., US [72] SIMON, MICHAEL J., US [72] EARNSHAW, MARK, CA [72] RAZA, ZAHIR JAFFER, CA [71] ONE MEDIA, LLC, US [22] 2015-08-25 [41] 2016-03-03 [62] 3,112,710 [30] US (62/041,478) 2014-08-25</p>
<p style="text-align: right;">[21] 3,194,798 [13] A1</p> <p>[25] EN [54] OSTEOCLAST INHIBITORS FOR PAIN [54] INHIBITEURS D'OSTEOCLASTES CONTRE LA DOULEUR [72] TABUTEAU, HERIOT, US [72] DINKLA, ERIC K. M., US [72] JONES, GRAEME, AU [71] ANTECIP BIOVENTURES II LLC, US [22] 2015-05-27 [41] 2015-12-03 [62] 3,114,271 [30] US (14/228,241) 2014-05-27 [30] US (14/288,716) 2014-05-28 [30] US (14/288,720) 2014-05-28 [30] US (14/288,713) 2014-05-28 [30] US (62/012,112) 2014-06-13 [30] US (14/310,811) 2014-06-20 [30] US (14/336,642) 2014-07-21 [30] US (14/446,184) 2014-07-29 [30] US (PCT/US2014/050427) 2014-08-08 [30] US (14/457,659) 2014-08-12 [30] US (14/481,097) 2014-09-09 [30] US (62/053,619) 2014-09-22 [30] US (14/495,732) 2014-09-24 [30] US (14/530,556) 2014-10-31 [30] US (14/536,526) 2014-11-07 [30] US (14/538,709) 2014-11-11 [30] US (14/540,333) 2014-11-13 [30] US (14/604,524) 2015-01-23 [30] US (14/605,822) 2015-01-26 [30] US (14/607,947) 2015-01-28 [30] US (14/607,985) 2015-01-28 [30] US (14/608,855) 2015-01-29 [30] US (14/625,457) 2015-02-18 [30] US (62/127,214) 2015-03-02 [30] US (14/635,857) 2015-03-02 [30] US (14/639,013) 2015-03-04 [30] US (14/686,551) 2015-04-14</p>	<p style="text-align: right;">[21] 3,194,845 [13] A1</p> <p>[25] EN [54] INDUCTION OF PLURIPOTENT CELLS [54] INDUCTION DE CELLULES PLURIPOTENTES [72] LIN, TONGXIANG, US [72] DING, SHENG, US [71] THE SCRIPPS RESEARCH INSTITUTE, US [22] 2010-10-15 [41] 2011-04-21 [62] 3,091,210 [30] US (61/252,548) 2009-10-16</p>	<p style="text-align: right;">[21] 3,194,855 [13] A1</p> <p>[51] Int.Cl. H01R 12/00 (2006.01) [25] EN [54] BUSBAR INSULATOR INTERFACE AND BUSBAR ASSEMBLY [54] INTERFACE D'ISOLATEUR DE BARRE OMNIBUS ET ENSEMBLE BARRE OMNIBUS [72] CZEBINIAK, DAVID J., US [71] BAE SYSTEMS CONTROLS INC., US [22] 2021-05-25 [41] 2021-12-02 [62] 3,183,112 [30] US (16/886,909) 2020-05-29</p>
<p style="text-align: right;">[21] 3,194,864 [13] A1</p> <p>[25] EN [54] SYSTEM FOR TRACKING WASTE OR RECYCLABLE MATERIAL [54] SYSTEME DE SUIVI DE DECHETS OU DE MATERIAUX RECYCLABLES [72] WHITMAN, NICHOLAS L., US [72] BEGIN, RYAN R., US [71] DIVERT, INC., US [22] 2016-07-07 [41] 2017-01-12 [62] 2,991,318 [30] US (62/190,055) 2015-07-08</p>		

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COUVES, JOHN WILLIAM	3,047,365	EBT MEDICAL, INC.	3,089,558	FRIGOUT, ARNAUD	2,933,022
COYNE, JOHN R.	2,851,282	ECHOWELL ELECTRONIC CO., LTD.	2,931,799	FRYE, RYAN EVERETTE	2,969,327
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CSP TECHNOLOGIES, INC.	3,058,460	EDEN, ERAN	2,990,459	GABRIELS, EDWARD	3,058,712
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TANIGUCHI, TATSUYA	3,170,908	TSX INC.	2,922,112	WATTS, KEVIN G.	3,073,023
TAPUHI, TAMIR	3,140,340	TTI (MACAO COMMERCIAL		WATTS, ROBERTA	3,073,023
TARTOUR, ERIC	2,919,725	OFFSHORE) LIMITED	2,999,579	WAYMO LLC	3,062,615
TAVIDAR, SAURABHA	3,011,935	TUGLIQ ENERGY CO.	2,961,953	WAYMO LLC	3,073,318
TAYLOR, BENJAMIN	3,026,894	TURM, ASAFA	3,106,552	WAYMO LLC	3,097,517
TAYLOR, FRED	3,173,430	UBIQ SECURITY, INC.	2,962,432	WELLHOEFER, BENJAMIN	
TEBBE, HEIKO	2,862,594	UNDERCOVER, INC.	3,093,144	JON	3,109,768
TELEFONAKTIEBOLAGET LM		UNIVERSAL CITY STUDIOS		WENCK, JAMES M.	3,173,430
ERICSSON (PUBL)	3,103,182	LLC	2,942,051	WESSEL, DANIEL	3,106,350
TENFOLD TECHNOLOGIES,		UNIVERSITE DE		WEST, GARY DEAN	2,961,207
LLC	2,851,282	TECHNOLOGIE DE		WHENZHOU KOUVI	
TERBRUEGGEN, ROBERT	2,951,561	COMPIEGNE	3,097,401	HARDWARE CO., LTD.	3,083,475
TEXTRON INNOVATIONS		UNIVERSITE PARIS CITE	2,919,725	WHITE, MARY ANNE	3,067,646
INC.	3,097,167	URANIUM BENEFICIATION		WHITED, STEPHANIE M.	2,969,901
THAI, DELPHINE	2,975,370	PTY LTD	3,012,858	WHITENER, BENJAMIN GRAY	2,933,022
THALES	2,970,412	URBANSKI, JAKUB	3,033,117	WHITSETT, SCOTTY L.	3,158,436
THALES	2,977,734	URSCHEL LABORATORIES,		WIEDER, HERBERT	3,025,747
THALES SOLUTIONS ASIA		INC.	3,101,655	WIEDERSBERG, SANDRA	2,948,684
PTE LTD.	2,968,209	VACHER, BLANDINE	3,097,401	WIERENGA, PAUL	3,082,336
THANNBERGER, ROGER	2,970,412	VAINSENCHER, AMIT	3,085,717	WILBERS, HUBERT	2,976,825
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THE LELAND STANFORD		VAN DER HELM, REINIERUS	2,959,860	CHARLES	2,832,066
JUNIOR UNIVERSITY	2,941,634	THEODORUS CORNELIS	3,005,586		

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WISCONSIN ALUMNI RESEARCH FOUNDATION (WARF)	3,014,435	ZHAO, XIAOSA	3,076,114
WISMER, JOHN	2,935,008	ZHOU, NING	3,116,263
WISNIEWSKI, NATALIE A.	2,913,474	ZHOU, XIAOMAI	3,058,712
WOLDT, BENJAMIN	2,921,004	ZHU, HAIFENG	3,058,712
WOLFE, DOUGLAS K.	3,097,167	ZHU, YI	2,838,862
WOLOSZCZUK, LUKE	2,909,157	ZHU, YIFEI	2,982,536
WON, JONG WHA	3,077,007	ZIMMERLE, CHRIS	3,042,029
WONG, MAVIS C.Y.	2,912,407	ZINOVIK, IHAR	
WOOD, THOMAS	2,996,296	NIKOLAEVICH	2,985,529
WOODHAMS, TODD ERIC	2,999,579	ZUO, XIAOTAO	3,058,712
WREN, MATTHEW JAMES	2,899,008	ZYMEWORKS BC INC.	2,889,951
WRIGHT, ERIC C.	3,165,157		
WU, JEFFREY	3,019,011		
WU, LIFANG	3,085,498		
WYROBEK INTERNATIONAL, INC.	2,989,441		
WYROBEK, JERZY	2,989,441		
XEBEC TECHNOLOGY CO., LTD.	2,975,871		
XIA, SHIXIONG	3,115,559		
XIE, HONGSHENG	3,058,712		
XIONG, MO BO	2,999,579		
XU, JUN	3,058,712		
XU, RICHARD H.	3,066,940		
XU, WEIJIE	3,111,645		
XU, YIFANG	3,058,712		
YAFEI SHANGHAI BIOLOG MEDICINE SCIENCE & TECHNOLOGY CO., LTD.	2,958,495		
YANG, CHENGYU	3,058,712		
YANG, DONGLAI	2,970,938		
YANG, QINGLIANG	3,058,712		
YANG, SOPHIA SHU	3,004,975		
YANG, YANLEI	3,058,712		
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YASUNAKA, TOSHIKO	3,103,776		
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YIN, MING	3,106,924		
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ZENITH EPIGENETICS LTD.	2,915,838		
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ZHAN, JIM	3,019,011		
ZHANG, FAN	2,838,862		
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ZHANG, RICHARD S.	2,838,862		
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ACSYNAM INC.	3,178,391	CAMERON, JAMES ALLAN			
AFC CABLE SYSTEMS, INC.	3,176,205	DOUGLAS	3,178,626	DUNMIRE, MARK J.	3,178,832
AFFIRM, INC.	3,174,887	CAMPBELL, DAVID	3,176,205	EAGLE MATERIALS IP LLC	3,171,064
AHN, HONG JOO	3,178,314	CAPITAL ONE SERVICES, LLC	3,178,246	EHMKE, BJORN	3,177,102
AIR POWER SYSTEMS CO., LLC	3,178,323	CAPITAL ONE SERVICES, LLC	3,178,249	EK, ROBERT	3,171,064
AIR PRODUCTS AND CHEMICALS, INC.	3,176,149	CARCANO, ANDREA	3,178,468	ERICKSEN, BENJAMIN KYLE	3,178,712
ALTUS INTERVENTION (TECHNOLOGY) AS	3,178,416	CARDEN, BRIAN ALLEN	3,138,118	EURO ORNAMENTAL FORGINGS INC.	3,138,408
AMERICAN TEL-A-SYSTEMS, INC.		CARDEN, BRIAN ALLEN	3,138,124	EXCHANGE TECHNOLOGIES INTERNATIONAL, INC.	3,178,401
ANDERSON, BRIAN MARK	3,172,858	CARLE, MATTHEW AARON ROGERS	3,178,626	EXTANG CORPORATION	3,136,768
ANDREWS, WILLIAM JAMES	3,178,526	CARRILLO, PHILIP	3,178,876	FACCINELLO, JEROME	3,136,768
APODEIXIS, LLC	3,176,700	CARTER, CHAD	3,136,768	FARESE, DAVID JOHN	3,176,149
APODEIXIS, LLC	3,176,702	CARULLO, MORENO	3,178,468	FENG, LINLIN	3,133,487
APPVIEWX INC.	3,178,775	CARVER, CHRISTOPHER	3,178,876	FERRIS, JASON	3,178,832
ARAUJO, ANTONIO	3,176,205	CATERPILLAR INC.	3,176,150	FINK, OWEN THOMPSON	3,176,700
ARCHAMBAULT, ROBERT	3,133,600	CATERPILLAR INC.	3,176,156	FINK, OWEN THOMPSON	3,176,702
AU, FUNG YEE DEBBY	3,178,573	CERTAINTED LLC	3,176,164	FLETCHER, ABEL	3,178,246
B & B METALS, INC.	3,178,139	CHALK, DAVID JONATHAN	3,176,149	FLETCHER, ABEL	3,178,313
BAILEY, TONY	3,178,419	CHELEOTIS, KYLE AUSTIN	3,138,130	FONEX DATA SYSTEMS INC.	3,176,887
BALSIGER, DERICK S.	3,177,701	CHEN, LIANG	3,133,487	FOURRE, TARA	3,178,541
BANAL, SEAN MICHAEL	3,178,506	CHUNDI, CHARISHMA	3,177,065	FRER, RICHARD	3,177,349
BARBIER, BENJAMIN	3,176,150	CLEARY, JACOB	3,178,419	GARNIER, CHRISTOPHER	3,170,328
BARBIER, BENJAMIN	3,176,156	COHEN, JOSEPH P.	3,176,149	GARRIGA CALLEJA, ROGER	3,161,182
BARBIER, BENJAMIN	3,176,164	COLE, PHILIP ALAN	3,171,528	GENTNER, RYAN	3,178,608
BAYAT, ALI	3,176,887	COMCAST CABLE COMMUNICATIONS, LLC	3,178,697	GHOMI, ATIYEH ASHARI	3,178,407
BCI BURKE COMPANY, LLC	3,178,608	COMCAST CABLE COMMUNICATIONS, LLC	3,179,049	GILADI, ALEXANDER	3,178,697
BEALE, KEVIN MARK	3,172,858	COOTS, COTY T.	3,178,139	GLOBAL ENERGY VENTURE LLC	3,133,630
BECKER, STEVEN RUSSELL	3,178,343	CORBEL, JEAN-SIMON	3,176,887	GLOBAL ENERGY VENTURE LLC	3,136,916
BECKETT THERMAL SOLUTIONS	3,178,419	COTTRELL, INC.	3,181,745	GLOBAL ENERGY VENTURE LLC	3,177,047
BENAROUS, MAAMAR	3,169,990	CRESSWELL, JESSE COLE	3,178,407	GNALI, OSCAR ETTORE	3,177,893
BENNETT, BRUCE	3,176,194	CROPP, DANIEL R.	3,172,858	GOETZ, ROBERT L.	3,178,832
BERGELER, SWEN	3,178,434	CUI, XIAOJING	3,174,887	GONG, ZHICHAO	3,133,295
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BIAGI, GERARD	3,181,745	CUTLER, MATTHEW A.	3,176,940	SYSTEMS LIMITED	3,169,990
BLOHOWIAK, KAY Y.	3,170,328	CYCLINGDEAL USA, INC.	3,133,274	GOSSEN, ALEXANDER	3,177,102
BLOXHAM, KEITH	3,177,701	DAI, JIABING	3,133,487	GOTZ, JOHANNES	3,178,136
BOMBARDIER INC.	3,178,812	DAIGNEAULT, LOUIS	3,133,714	GRAPHMASTERS SA	3,178,439
BOUCHARD, HAROLD	3,133,600	DALE, ASHLYNNE	3,187,800	GRAVES, MICHAEL WILLIAM	3,176,940
BOWER, MATTHEW	3,178,419	DALLMANN, BRIAN	3,178,462	GRECO, CHRISTINA	3,135,873
BREEN, SCOTT M.	3,178,814	DAMOURA, PAULO	3,176,205	GREENBERG, TALIA	3,135,873
BRICE ENVIRONMENTAL SERVICES CORPORATION	3,178,343	DANDAMUDI, VINAY KUMAR DELAWARE CAPITAL FORMATION, INC.	3,178,323	GRIESHOP, DUSTAN	3,172,448
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BWAY CORPORATION	3,178,375	DI PINTO, ALESSANDRO	3,178,804	GU, HAIDONG	3,133,274
BYERS, JUSTIN	3,178,808	DICKIE, PAIGE ELYSE	3,178,468	GUAN, ZHIYUAN	3,133,233
CABRIT, SEBASTIEN	3,187,800	DIEHL AEROSPACE GMBH	3,178,407	GUERREIRO, JOAO	3,161,182
CALDWELL, CURTIS J.	3,176,150	DITTO, KELSEY	3,178,434	GUO, CHANGSHENG	3,178,807
CALDWELL, CURTIS J.	3,176,156	DOUMAR, MATTHEW	3,174,887	HAMILTON SUNDSTRAND CORPORATION	3,174,923
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HANSEN, PAUL L.	3,172,858	KRASHENINNIK, NADIA NIKOLAYEVNA	3,138,146	NUHN INDUSTRIES LTD. NUHN, IAN	3,133,233
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HATTENBURG, ALAN RANDY	3,178,343	KRASHENINNIK, NADIA NIKOLAYEVNA	3,178,775	OLUWAJUYIGBE, BIOLA OMANA IGLESIAS, JESUS	3,176,842
HAYEK, DANIEL	3,178,807	KRITIKOS, LINDA KUNNATHUVAYALIL	3,138,118	ALBERTO PALFINGER, URSULA	3,133,295
HEGGELUND, WILLIAM	3,140,666	KUNNATHUVAYALIL VELAYUDHAN, RAJESH	3,178,541	PANDEY, RAJENDRA	3,178,364
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J. & M. MANUFACTURING CO., INC.	3,172,448	LEUNG, KIN KWAN	3,178,407	PHAN, HUYEN	3,174,887
JAVADI, GOLARA	3,178,364	LGL FRANCE S.A.S.	3,178,335	PIONEER HI-BRED	3,138,075
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KAUR, SAMIAN	3,179,049	MARTEL, DANIEL	3,133,600	INTERNATIONAL, INC.	3,138,110
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CHEVREAU, CLEMENT MAXIME	3,191,837	COLLINS, DWAYNE W.	3,191,077	COWDEN, CAMERON J.	3,194,469
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KIM, MIN GOO	3,191,634	KOSONE, NOBUKAZU	3,194,760	LABORATORIOS SILANES	3,191,622
KIM, MIN GOO	3,191,643	KOTHAKOTA, SRINIVAS	3,191,390	S.A. DE C.V.	
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WANG, JUNJING	3,191,689	WILMEN, ANDREAS	3,191,558	XU, XIANMIN	3,191,134
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WANG, YAXIN	3,191,387	WINKLER, NICHOLAS	3,195,068	YALE UNIVERSITY	3,191,078
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WANG, YONGQIANG	3,190,879	WITLOX, WESSEL EVERT	3,195,068	YAMAGAMI, TAKAFUMI	3,191,806
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