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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:

- | | |
|---------------------------------------------------------------------------------------------------------------------|------|
| a) for each request | N/A |
| 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 :

- | | |
|------------------------------------------------------------------------------------------------------------------------|-------|
| a) pour chaque demande | S.O. |
| 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

Notices

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

4. Late payment fee

**50% of the fees that are due, or,
Minimum: Transmittal fee
Maximum: 50% of the international filing fee**

Preliminary Examination

5. Handling fee (Rule 57.2(a))	\$295
6. Preliminary examination fee (Rule 58)	\$800

* International fees will be reduced by:

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

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

4. Taxe pour paiement tardif

**50% du montant impayé, ou,
Minimum : taxe de transmission
Maximum : 50% de la taxe de dépôt
international**

Examen préliminaire

5. Taxe de traitement (Règle 57.2a))	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
6. Procedures in Case of an Unexpected Office Closure at CIPO

14. Procédures de correspondance

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

Lien Web pour le RPBB :

http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/h_wr00720.html

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

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

Date de publication : 10 mai 2017

Date de modification : 17 juin 2019

Sur cette page :

1. Remise physique de correspondance et communications écrites à l'OPIC.
2. Correspondance électronique
3. Précisions concernant les formats électroniques acceptés
4. Renseignements généraux
5. Prorogation des délais
6. Procédures en cas de fermeture imprévue des bureaux de l'OPIC

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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 June 6, 2023 contains applications open to public inspection from May 21, 2023 to May 27, 2023.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 6 juin 2023 contient les demandes disponibles au public pour consultation pour la période du 21 mai 2023 au 27 mai 2023.

Canadian Patents Issued

June 6, 2023

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- [25] EN
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- [54] PROCEDE DE FABRICATION DE GAZ DE SYNTHESE PAR GAZEIFICATION D'UNE BIOMASSE DANS UN LIT FLUIDISE
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- [54] AJOUT DE MATERIAUX ALCALINS AU BIOFILTRE OU A L'EAU DE BIOFILTRE
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- [54] SYSTEMS AND DEVICES FOR INSTALLING AN EVACUATION SLIDE ACTUATION CABLE IN A CONNECTION BOX ASSEMBLY OF AN EMERGENCY EVACUATION SLIDE AND OVERWING DOOR ACTUATION SYSTEM INTERFACE
- [54] SYSTEMES ET DISPOSITIFS D'INSTALLATION D'UN CABLE D'ACTIONNEMENT DE GLISSOIRE D'EVACUATION DANS UN ASSEMBLAGE DE BOITE DE RACCORDEMENT D'UNE GLISSOIRE D'EVACUATION D'URGENCE ET INTERFACE DE SYSTEME D'ACTIONNEMENT DE PORTE AU-DESSUS DE L'AILE
- [72] RITZEMA RAUTENBACH, HELPERUS, US
- [72] SCHMIDT, RYAN, US
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- [72] BOJARSKI, LUKASZ, PL
- [72] WIECZOREK, MACIEJ, PL
- [72] MAJER, JAKUB, PL
- [72] JANOWSKA, SYLWIA, PL
- [72] MATLOKA, MIKOŁAJ, PL
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- [72] MILLER, JEREMY, US
- [73] KEWAUNEE SCIENTIFIC CORPORATION, US
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- [72] STEVENSON, PAUL R., GB
- [72] GREENFIELD, HANNAH, GB
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 - [54] SCIE A ONGLET
 - [72] KNIGHT, WALTER, US
 - [73] AC (MACAO COMMERCIAL OFFSHORE) LIMITED, CN
 - [86] (2955099)
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- [54] VARIANTS D'INHIBITEUR TISSULAIRE DE LA METALLOPROTEINASE DE TYPE TROIS (TIMP-3), COMPOSITIONS ET PROCEDES

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- [72] KETCHEM, RANDAL R., US
- [72] LEE, TAEWEON, US
- [72] CHINTALGATTU, VISHNU, US
- [72] STEVENS, JENNITTE LEANN, US
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 - [25] EN
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 - [54] IDENTIFICATION D'UN POINT DE CONTACT ENTRE UN PANTOGRAFE ET UNE LIGNE D'ALIMENTATION ELECTRIQUE DANS UNE IMAGE
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 - [72] LAU, WILLIAM HOCK OON, AU
 - [72] ADAMS, BRETT, AU
 - [73] DTI GROUP LIMITED, AU
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- [72] CARON, NICHOLAS S., CA
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- [54] **DISPOSITIFS ET METHODES DE STIMULATION DES NERFS**
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- [72] HILL, DAVID A., US
- [72] EVANS, MATTHEW, US
- [72] BRAASTAD, COREY D., US
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- [73] ARAGON PHARMACEUTICALS, INC., US
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- [54] **APPAREIL ET PROCEDE DE REPRESENTATIONS ET DE FONCTIONS RELATIVES A DES DONNEES REPOSANT SUR DES HYPERCARTES COMBINATOIRES**
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 - [54] COMBINAISON HERBICIDE COMPRENANT DU SAFLUFENACIL ET DU GLUFOSINATE
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 - [72] EVANS, RICHARD, US
 - [72] WITSCHEL, MATTHIAS, DE
 - [72] SEISER, TOBIAS, DE
 - [72] LIEBL, REX, US
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 - [73] SPECTRUM SPINE IP HOLDINGS, LLC, US
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 - [73] DEAKIN UNIVERSITY, AU
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 - [54] DISPOSITIF IMPLANTABLE POUR AMELIORER OU SUPPRIMER UNE INSUFFISANCE VALVULAIRE
 - [72] NEUMANN, TILL, DE
 - [72] SCHEUERMANN, TORSTEN, DE
 - [72] NATHE, NIKLAS MAXIMILIAN, DE
 - [73] UNIVERSITAT DUISBURG-ESSEN, DE
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 - [73] THE COMMONWEALTH OF AUSTRALIA, AU
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- [72] GESER, JOHANNES, DE
- [72] GROH, MARTIN, DE
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 - [73] EDWARDS LIFESCIENCES, LLC, US
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- [54] PROCEDE DE PREPARATION DE PRODUIT DE POMME DE TERRE POUR FRITURE FINALE, CHAINE DE TRAITEMENT POUR CE DERNIER, ET PRODUIT DE POMME DE TERRE POUR FRITURE FINALE

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 - [72] EIJSMAN, LEON, NL
 - [72] VAN DOORN, JOHANNES ELISABERT, NL
 - [73] FRIES4ALL B.V., NL
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- [73] PURACLENZ LLC, US
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 - [54] COMPOSITION DE RESINE PHOTODURCISSABLE, BATTERIE A COMBUSTIBLE, ET PROCEDE DE SCELLEMENT
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 - [72] ANAI, MAO, JP
 - [73] THREEBOND CO., LTD., JP
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- [54] COMBINED RESPIRATORY MUSCLE TRAINING AND OSCILLATING POSITIVE EXPIRATORY PRESSURE DEVICE
- [54] DISPOSITIF COMBINE D'ENTRAINEMENT POUR MUSCLES RESPIRATOIRES ET DE PRESSION EXPIRATOIRE POSITIVE OSCILLANTE
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- [72] MEYER, ADAM, CA
- [73] TRUDELL MEDICAL INTERNATIONAL, CA
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 [54] CONVERSION DE CO₂ DE REJET EN CARBURANTS DE TRANSPORT UTILES A L'AIDE D'UN REFORMEUR DE METHANE A LA VAPEUR DANS UNE INSTALLATION DE TRANSFORMATION DE GAZ EN LIQUIDES
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 [73] FLUOR TECHNOLOGIES CORPORATION, US
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 [73] SUEZ INTERNATIONAL, FR
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 [72] PASTERNAK, NICOLAS, FR
 [72] THOMAS, ALAIN, FR
 [72] DUDAL, CLEMENT, FR
 [72] LLAURO, MATHIEU, FR
 [72] MILLERIOUX, JEAN-PIERRE, FR
 [73] CENTRE NATIONAL D'ETUDES SPATIALES, FR
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 [54] BLOOD STAINING PATCH, METHOD AND DEVICE FOR BLOOD TEST USING THE SAME
 [54] PATCH DE COLORATION DU SANG, ET PROCEDE ET APPAREIL POUR ANALYSER LE SANG L'UTILISANT
 [72] LEE, DONG YOUNG, KR
 [72] LIM, CHAN YANG, KR
 [72] KIM, KYUNG HWAN, KR
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 [73] 1908554 ALBERTA LTD., CA
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- [25] EN
- [54] LEAK FREE CURRENT COLLECTOR ASSEMBLAGE FOR METALLURGICAL VESSEL AND METHODS OF MANUFACTURE
- [54] ASSEMBLAGE DE COLLECTEUR DE COURANT SANS FUITE POUR RECIPIENT METALLURGIQUE ET PROCEDES DE FABRICATION
- [72] HYERS, ROBERT WYATT, US
- [73] BOSTON ELECTROMETALLURGICAL CORPORATION, US
- [85] 2019-02-06
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- [72] RANNE, JUHA, FI
- [73] CC-CLIP OY, FI
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- [54] PROCEDE DE PRODUCTION D'UNE LENTILLE AVEC UNE FEUILLE INCORPOREE
- [72] PIOTROWSKI, DANIEL, CH
- [72] ULRICH, RENE JOSEF, CH
- [72] KORNER, LUTZ, CH
- [73] INTERGLASS TECHNOLOGY AG, CH
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- [54] METHOD AND SYSTEM FOR DETECTING AN ANOMALY WITHIN A BIOLOGICAL TISSUE
- [54] PROCEDE ET SYSTEME DE DETECTION D'UNE ANOMALIE DANS UN TISSU BIOLOGIQUE
- [72] SYLVESTRE, JEAN PHILIPPE, CA
- [72] CHEVREFILS, CLAUDIA, CA
- [72] JAFARI, REZA, CA
- [72] LAPOINTE, DAVID, CA
- [73] OPTINA DIAGNOSTICS, INC., CA
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- [73] INNOVATION CALUMET LLC, US
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 - [54] SUIVI DU TRAVAIL ET AVANCES SUR SALAIRE POUR SYSTEME DE BASE DE DONNEES SUR LES EMPLOYES
 - [72] ZUBENKO, ROMAN, US
 - [72] JOLLY, SAHIL, US
 - [72] LE, PHAN ANH, US
 - [72] NEWTON, WILLIAM, US
 - [72] SKALLI, OMAR, US
 - [72] KIM, KEVIN HYUNIL, US
 - [73] ZENPAYROLL, INC., US
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 - [72] VANCRAYBEX, GUNTER JANO EMIEL, BE
 - [72] RAKIC, DUSAN, CH
 - [72] ST. GERMAIN, JEREMY DANIEL, US
 - [72] JOY, BINU OOMMEN, US
 - [73] TOTAL SAFETY U.S., INC., US
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 - [54] LITHIUM ION BATTERY SCRAP TREATMENT METHOD
 - [54] PROCEDE DE TRAITEMENT DE DECHETS DE BATTERIE LITHIUM-ION
 - [72] ARAKAWA, JUNICHI, JP
 - [72] HAGA, YASUFUMI, JP
 - [72] ITO, JUNICHI, JP
 - [73] JX NIPPON MINING & METALS CORPORATION, JP
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- [54] METHODE ET SYSTEME POUR SELECTIONNER UN BILLET DE GROS LOT PROGRESSIF GAGNANT D'UN ENSEMBLE DE BILLETS INSTANTANES JOUES DANS TOUT UN RESEAU DE MACHINES DE JEU
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- [72] GREENE, BRYAN J., US
- [72] REYHANI, ATENA, US
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[54] DISPOSITIF DE STOCKAGE DESTINE A STOCKER DES PLAQUES DE VERRE, DE PREFERENCE DES PLAQUES DE VERRE FEUILLETE OU DES PLAQUES DE VERRE DE SECURITE TREMPE
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 [72] JOST, MARTIN, DE
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 [73] NEURALIA, FR
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 [72] HORNSTEIN, ERAN, IL
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[72] BALDWIN, GREGORY JOHN, CA
[72] SANDRE, BRUNO, CA
[72] NANDA, ARJUN, CA
[72] SOURANI, DANIEL, CA
[72] CHINAPEN, SHAUN, CA
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[72] DINKLA, ERIC K. M., US
[72] JONES, GRAEME, US
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- [72] GOTO, NORIYUKI, JP
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- [73] NOK CORPORATION, JP
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- [54] DISTRIBUTEUR AUTOMATIQUE A INTERFACE UTILISATEUR BASEE SUR DES CARACTERES, INTERFACE UTILISATEUR BASEE SUR DES CARACTERES ET SES UTILISATIONS
- [72] HILL, NICOLE, CA
- [72] SCHWARZLI, BERNIE, CA
- [72] SCHWARZLI, ROBERT, CA
- [73] BMC UNIVERSAL TECHNOLOGIES INC., CA
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- [54] COMPOSITIONS ET PROCEDES DE REGULATION SELECTIVE DE GENES
- [72] TAGLIATELA, STEPHANIE, US
- [72] TANENHAUS, ANNE, US
- [72] RAMAMOORTHI, KARTIK, US
- [72] YOUNG, ANDREW, US
- [72] OBERKOFLER, DAVID, US
- [73] ENCODED THERAPEUTICS, INC., US
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- [54] COMPOSITIONS COMPRENANT DES COMPOSANTS DE PLANTES DE LA FAMILLE DES FABACEAE, PROCEDES DE PREPARATION ET UTILISATIONS CONNEXES
- [72] LAVALLEE, PIERRE, CA
- [72] DESGAGNES, REJEAN, CA
- [72] CAMBRON-FORTIN, LAURENCE, CA
- [72] VEZINA, LOUIS-PHILIPPE, CA
- [72] TALBOT, PIERRE, CA
- [73] VIRENTIA INNOVATION INC., CA
- [86] (3152575)
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- [72] CAMPBELL, CLYDE MARK, AU
- [73] SCOTT AUTOMATION & ROBOTICS PTY LIMITED, AU
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[54] NOUVEAUX DERIVES DE
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[72] JUNG, SEUNG HYUN, KR
[72] HONG, DONG JIN, KR
[72] HWANG, JI YOUNG, KR
[72] KIM, SEO HEE, KR
[72] PARK, SO MIN, KR
[72] MAH, SHIN MEE, KR
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[73] HANMI PHARMACEUTICAL CO.,
LTD., KR
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FORMATION
[54] PROCEDES D'ESTIMATION
D'UNE POSITION D'UN TRAJET
DE PUITS A L'INTERIEUR D'UNE
FORMATION SOUTERRAINE
[72] HOUBIERS, MARIANNE, NO
[72] PETERSEN, STEEN AGERLIN, NO
[72] HANSTEEN, FREDRIK, NO
[73] EQUINOR ENERGY AS, NO
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SOUNDWALL SYSTEM
[54] SYSTEME DE BARRIERE DE
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ACOUSTIQUE
[72] ALBERSON, DEAN CLINTON, US
[72] AYTON, MARK CHRISTOPHER, CA
[72] GHUMAN, MOHAMMAD TALHA,
CA
[72] POWELL, BENJAMIN FRASER, CA
[73] VANDORF SW1 INC., CA
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CATHETERS AND METHOD OF
USE THEREOF
[54] DISPOSITIF POUR STABILISER
DES CATHETERS ET METHODE
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[72] SKARSGARD, PETER LLOYD, CA
[72] GOMES, JOASH, CA
[73] VESALIUS CARDIOVASCULAR
INC., CA
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[54] LAME DE RACLAGE
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[72] SMITH, CHRISTOPHER SCOTT, US
[72] FARROW, GLENN E., US
[73] RICHWOOD INDUSTRIES, INC., US
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[54] SYSTEME DE COMMANDE DE LANCEMENT DE PRECISION DE BALLON DE SOCCER
[72] ANDREWS, ALAN, CA
[71] ANDREWS, ALAN, CA
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[54] A MODULAR PLAYING BLOCK SYSTEM
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[72] WOOD, AARON, CA
[72] MANDEVILLE, JONATHAN, CA
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[72] AZCORRA, EDGAR, CA
[71] AZCORRA, EDGAR, CA
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[25] EN
[54] TEST AND VALIDATION OF PRIVACY PROTECTION QUALITY OF ANONYMIZATION SOLUTIONS
[54] ESSAI ET VALIDATION DE LA QUALITE DE LA PROTECTION DE LA CONFIDENTIALITE DE SOLUTIONS D'ANONYMISATION
[72] KARL, MOSHE, CA
[71] THE TORONTO-DOMINION BANK, CA
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[72] SHAN, XINXIN, CA
[71] LED SMART INC., CA
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[54] METHOD AND SYSTEM FOR AUTOMATED IDENTIFICATION AND CLASSIFICATION OF MARINE LIFE
[54] METHODE ET SYSTEME POUR L'IDENTIFICATION ET LA CLASSIFICATION AUTOMATISEES DE LA FAUNE ET FLORE MARINE
[72] WANG, TIANYE, CA
[72] LIU, SHIWEI, CA
[72] CHENG, XIAOGE, CA
[71] WANG, TIANYE, CA
[71] LIU, SHIWEI, CA
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[25] EN
[54] REMOTE CONTROLLED UNIVERSAL SMART DESK CONTROLLER APPARATUS
[54] APPAREIL DE COMMANDE DE BUREAU INTELLIGENT UNIVERSEL TELECOMMANDE
[72] DE LA FUENTE SANCHEZ, ALFONSO FABIAN, CA
[71] ERGONOMYX TECHNOLOGIES CANADA INC., CA
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[54] ENERGY STOCKKEEPING UNIT WITH ACTIVE VENTILATION SYSTEM AND ASSOCIATED PROCESS

[54] UNITE DE STOCKAGE D'ENERGIE AVEC SYSTEME DE VENTILATION ACTIVE ET METHODE ASSOCIEE

[72] LATULIPE, ERIC, CA

[72] BURNS, MARTIN, CA

[72] MONGEAU, PHILIPPE, CA

[72] PAUL, JEAN-FRANCOIS, CA

[71] STOCKAGE D'ENERGIE EVLO INC., CA

[22] 2021-11-26

[41] 2023-05-26

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[51] Int.Cl. G06Q 10/04 (2023.01) G06N 3/084 (2023.01) C10G 1/04 (2006.01) G06N 3/04 (2023.01) C08L 95/00 (2006.01)

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[54] SYSTEM, METHOD, AND MEDIUM FOR OPTIMIZING OPERATION OF MINERAL PROCESSING SYSTEM

[54] SYSTEME, METHODE ET SUPPORT OPTIMISER L'EXPLOITATION D'UN SYSTEME DE MINERALURGIE

[72] MARTIN, WILLARD, CA

[72] JIN, MICHAEL, CA

[72] NAGARAJAPPA, NIRUPAMA, CA

[72] ELLSWORTH, MICHAEL, CA

[72] NGUYEN, SANDRA, CA

[72] KAVIANI, DANIAL, CA

[72] HARVEY, BRENT, CA

[72] SCHAAN, JASON, CA

[71] SUNCOR ENERGY INC., CA

[22] 2021-11-25

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[51] Int.Cl. G01N 33/574 (2006.01) B82Y 5/00 (2011.01) B82Y 15/00 (2011.01) G01N 21/64 (2006.01) G01N 21/65 (2006.01) G01N 21/77 (2006.01) G01N 33/553 (2006.01)

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[54] MULTIMODAL DETECTION SYSTEM FOR DETECTING CANCER BIOMARKERS IN BLOOD SERUM

[54] SYSTEME DE DETECTION MULTIMODAL POUR LA DETECTION DE BIOMARQUEURS DE CANCER DANS LE SERUM SANGUIN

[72] KHOSROSHAHI, MOHAMMAD, CA

[72] PATEL, YESHA, CA

[71] M.I.S. ELECTRONICS INC., CA

[22] 2021-12-03

[41] 2023-05-27

[30] CA (17536017) 2021-11-27

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[51] Int.Cl. A24F 13/18 (2006.01)

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[54] SMOKING EXTINGUISHER

[54] EXTINCTEUR DE FUMEE

[72] HUNNIFORD, CODY, CA

[71] BUD IT OUT ENTERPRISES LTD., CA

[22] 2021-11-25

[41] 2023-05-25

[21] 3,142,684

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[51] Int.Cl. B42D 25/20 (2014.01)

[25] EN

[54] PROOF OF VACCINE CARD PRINTING

[54] PREUVE D'IMPRESSION DE CARTE DE VACCINS

[72] AHSAN, SYED, CA

[71] AHSAN, SYED, CA

[22] 2021-11-21

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[21] 3,143,585

[13] A1

[51] Int.Cl. E21B 23/01 (2006.01) E21B 23/06 (2006.01)

[25] EN

[54] OIL FIELD TOOL LATCH SYSTEM AND METHOD

[54] SYSTEME ET METHODE DE VERROU D'OUTIL DE CHAMP DE PETROLE

[72] DEOCAMPO, HERNANI G., US

[71] FALCONVIEW ENERGY PRODUCTS LLC, US

[22] 2021-12-21

[41] 2023-05-23

[30] US (17/533,953) 2021-11-23

[21] 3,141,979

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[51] Int.Cl. A01B 73/02 (2006.01)

[25] EN

[54] AGRICULTURAL IMPLEMENT WITH END WHEEL ASSEMBLY

[54] APPAREIL AGRICOLE AVEC ASSEMBLAGE DE ROUE D'EXTREMITE

[72] SAKUNDIAK, TYLER, CA

[72] MAURER, LYNDON, CA

[71] DEGELMAN INDUSTRIES LP, CA

[22] 2021-11-24

[41] 2023-05-24

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<p>[21] 3,166,874 [13] A1</p> <p>[51] Int.Cl. F21S 8/02 (2006.01) F21V 15/01 (2006.01) F21V 21/04 (2006.01)</p> <p>[25] EN</p> <p>[54] RECESSED CONCRETE LUMINAIRE AND METHOD OF INSTALLATION THEREOF</p> <p>[54] LUMINAIRE DE BETON ENCASTRE ET METHODE D'INSTALLATION</p> <p>[72] KHALILI, HOOMAN, CA</p> <p>[71] BRILLIANT FACTORS INC., CA</p> <p>[22] 2022-07-06</p> <p>[41] 2023-05-26</p> <p>[30] US (63/283341) 2021-11-26</p>

<p>[21] 3,170,093 [13] A1</p> <p>[51] Int.Cl. C12H 1/00 (2006.01) C12C 11/00 (2006.01) C12C 11/11 (2019.01) C12H 1/06 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM FOR ACCELERATING THE AGING OF BEER AND METHOD OF USE THEREOF</p> <p>[54] SYSTEME D'ACCELERATION DU VIEILLISSEMENT DE LA BIERE ET METHODE D'UTILISATION</p> <p>[72] PIZON, HUGO, CA</p> <p>[72] DIONNE, MATHIEU, CA</p> <p>[72] DESORMIERS, CHARLES, CA</p> <p>[72] HAMON, ELORN, CA</p> <p>[71] BREWSONIC INC., CA</p> <p>[22] 2022-08-10</p> <p>[41] 2023-05-26</p> <p>[30] US (63/283,394) 2021-11-26</p>

<p>[21] 3,170,552 [13] A1</p> <p>[51] Int.Cl. G06F 16/901 (2019.01)</p> <p>[25] EN</p> <p>[54] COMPUTER-IMPLEMENTED METHOD OF CONTROLLING A MANUFACTURING MACHINE, ASSOCIATED SYSTEM AND COMPUTER READABLE INSTRUCTIONS</p> <p>[54] METHODE APPLIQUEE PAR ORDINATEUR POUR CONTROLE UNE MACHINE DE FABRICATION, SYSTEME CONNEXE ET INSTRUCTIONS LISIBLES PAR ORDINATEUR</p> <p>[72] GUO, CHANGSHENG, CA</p> <p>[72] LABERGE, CLEMENT DROUIN, CA</p> <p>[72] GUIASSA, RACHID, CA</p> <p>[72] HARDY, DENIS, CA</p> <p>[72] MELANCON, PHILIPPE, CA</p> <p>[71] PRATT & WHITNEY CANADA CORP., CA</p> <p>[22] 2022-08-16</p> <p>[41] 2023-05-23</p> <p>[30] US (17/533,220) 2021-11-23</p>

<p>[21] 3,170,645 [13] A1</p> <p>[25] EN</p> <p>[54] METHOD AND SYSTEM FOR PROVIDING CATEGORY SUGGESTIONS</p> <p>[54] METHODE ET SYSTEME POUR FOURNIR DES SUGGESTIONS DE CATEGORIE</p> <p>[72] RAGHAVAN, KSHETRAJNA, CA</p> <p>[72] TATE, KYLE BRUCE, CA</p> <p>[72] ZHAO, XINYI, CA</p> <p>[71] SHOPIFY INC., CA</p> <p>[22] 2022-08-03</p> <p>[41] 2023-05-25</p> <p>[30] US (63/283,264) 2021-11-25</p> <p>[30] US (17/880,045) 2022-08-03</p>

<p>[21] 3,174,044 [13] A1</p> <p>[51] Int.Cl. A01D 41/12 (2006.01)</p> <p>[25] EN</p> <p>[54] FEED ACCELERATOR FOR AN AGRICULTURAL HARVESTER</p> <p>[54] ACCELERATEUR D'ALIMENTATION POUR UNE MOISSONNEUSE</p> <p>[72] BORTNER, ERIC L., US</p> <p>[72] PARTHASARATHY, BALAJI, US</p> <p>[72] MATTSON, MARK L., US</p> <p>[72] SINGH, MANISH, US</p> <p>[72] MESCHKE, MICHAEL T., US</p> <p>[72] CHOUDARY, NITHIN CHAITHANYA REDDY, US</p> <p>[71] DEERE & COMPANY, US</p> <p>[22] 2022-09-13</p> <p>[41] 2023-05-23</p> <p>[30] US (17/456,292) 2021-11-23</p>

<p>[21] 3,174,612 [13] A1</p> <p>[25] EN</p> <p>[54] ANTI-CORROSIVE BRAZE COATINGS</p> <p>[54] REVETEMENTS DE BRASURE ANTICORROSION</p> <p>[72] TEIGEN, DANIEL JAMES, US</p> <p>[72] ROSE, KYLE H., US</p> <p>[72] KUHA, CHAD, US</p> <p>[72] WACHTER, KARL, US</p> <p>[71] ROSEMOUNT AEROSPACE INC., US</p> <p>[22] 2022-09-14</p> <p>[41] 2023-05-24</p> <p>[30] US (63/282,911) 2021-11-24</p> <p>[30] US (17/561,419) 2021-12-23</p>

<p>[21] 3,175,750 [13] A1</p> <p>[51] Int.Cl. B64C 13/50 (2006.01) F16D 27/00 (2006.01) F16H 61/22 (2006.01)</p> <p>[25] EN</p> <p>[54] ELECTROMECHANICAL ACTUATOR</p> <p>[54] ACTIONNEUR ELECTROMECANIQUE</p> <p>[72] POTIER, KARL, FR</p> <p>[72] BOITARD, CORENTIN, FR</p> <p>[72] SERRAND, MAXIME, FR</p> <p>[72] MEDINA, RAPHAEL, FR</p> <p>[71] GOODRICH ACTUATION SYSTEMS SAS, FR</p> <p>[22] 2022-09-21</p> <p>[41] 2023-05-25</p> <p>[30] EP (21306643.4) 2021-11-25</p>

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[25] EN
[54] FUEL NOZZLE WITH RESTRICTED CORE AIR PASSAGE
[54] INJECTEUR DE CARBURANT AVEC PASSAGE D'AIR A NOYAU RESTREINT
[72] HU, TIN-CHEUNG JOHN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-09-19
[41] 2023-05-26
[30] US (17/535,852) 2021-11-26
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[21] 3,176,028

[13] A1

- [51] Int.Cl. A61B 5/103 (2006.01) A43B 3/34 (2022.01) A61B 5/11 (2006.01) A43B 11/00 (2006.01)
[25] EN
[54] SYSTEM AND METHOD FOR ANALYZING FORCE SENSOR DATA
[54] SYSTEME ET METHODE D'ANALYSE DE DONNEES DE CAPTEUR DE FORCE
[72] BLADES, SAMUEL CARL WILLIAM, CA
[72] HOITZ, FABIAN CHRISTOPH, CA
[72] HONERT, ERIC CHRISTIAN, CA
[72] NIGG, BENNO MAURUS, CA
[72] KLIMSTRA, MARC DREW, CA
[72] DOBBIE, PATRICK, CA
[72] PADDOCK, CORY DAVID, CA
[72] GUPTA, SANJAY, CA
[72] MARRIOTT, HUNTER BROOKE, CA
[72] KNIGHT, JEFFREY THOMPSON, CA
[72] FRASER, TYLER ALEXANDER, CA
[71] KINETYX SCIENCES INC., CA
[22] 2022-09-27
[41] 2023-05-23
[30] US (63/282,234) 2021-11-23
[30] US (63/291,424) 2021-12-19
[30] US (63/315,847) 2022-03-02
[30] US (63/291,517) 2021-12-20
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[21] 3,176,034

[13] A1

- [51] Int.Cl. A63B 71/06 (2006.01) A61B 5/11 (2006.01) A63B 24/00 (2006.01)
[25] EN
[54] SYSTEM AND METHOD FOR DETERMINING RUNNING POWER
[54] SYSTEME ET METHODE POUR DETERMINER UNE PUISSEANCE DE FONCTIONNEMENT
[72] BLADES, SAMUEL CARL WILLIAM, CA
[72] HONERT, ERIC CHRISTIAN, CA
[72] NIGG, BENNO MAURUS, CA
[72] DOBBIE, PATRICK, CA
[72] PADDOCK, CORY DAVID, CA
[72] GUPTA, SANJAY, CA
[72] MARRIOTT, HUNTER BROOKE, CA
[72] KNIGHT, JEFFREY THOMPSON, CA
[72] FRASER, TYLER ALEXANDER, CA
[71] KINETYX SCIENCES INC., CA
[22] 2022-09-27
[41] 2023-05-23
[30] US (63/282,234) 2021-11-23
[30] US (63/291,424) 2021-12-19
[30] US (63/315,847) 2022-03-02
[30] US (63/291,517) 2021-12-20
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[21] 3,176,040

[13] A1

- [51] Int.Cl. G01L 3/24 (2006.01) A63B 71/06 (2006.01) A63B 69/00 (2006.01)
[25] EN
[54] SYSTEM AND METHOD FOR DETERMINING CYCLING POWER
[54] SYSTEME ET METHODE POUR DETERMINER UNE PUISSEANCE DE CYCLAGE
[72] BLADES, SAMUEL CARL WILLIAM, CA
[72] HONERT, ERIC CHRISTIAN, CA
[72] NIGG, BENNO MAURUS, CA
[72] NAZEER, SADHIQ HUSSAIN, CA
[72] DOBBIE, PATRICK, CA
[72] PADDOCK, CORY DAVID, CA
[72] GUPTA, SANJAY, CA
[72] MARRIOTT, HUNTER BROOKE, CA
[72] KNIGHT, JEFFREY THOMPSON, CA
[72] FRASER, TYLER ALEXANDER, CA
[71] KINETYX SCIENCES INC., CA
[22] 2022-09-27
[41] 2023-05-23
[30] US (63/282,234) 2021-11-23
[30] US (63/291,424) 2021-12-19
[30] US (63/315,847) 2022-03-02
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[21] 3,176,340

[13] A1

- [51] Int.Cl. G01D 18/00 (2006.01) A41B 11/00 (2006.01) A43B 5/00 (2022.01) A43B 17/00 (2006.01) A61B 5/103 (2006.01) A63B 71/06 (2006.01) G01L 25/00 (2006.01) A63B 69/00 (2006.01)
[25] EN
[54] SYSTEM AND METHOD FOR SYNTHESIZING SENSOR READINGS
[54] SYSTEME ET METHODE POUR SYNTHETISER DES LECTURES DE CAPTEUR
[72] BLADES, SAMUEL CARL WILLIAM, CA
[72] SULEMAN, OMAR, CA
[72] DOBBIE, PATRICK, CA
[72] PADDOCK, CORY DAVID, CA
[72] GUPTA, SANJAY, CA
[72] MARRIOTT, HUNTER BROOKE, CA
[72] KNIGHT, JEFFREY THOMPSON, CA
[72] FRASER, TYLER ALEXANDER, CA
[72] WYTSMA, REBECCA MIN, CA
[71] KINETYX SCIENCES INC., CA
[22] 2022-09-28
[41] 2023-05-23
[30] US (63/282,234) 2021-11-23
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[21] 3,177,745

[13] A1

- [51] Int.Cl. B64C 11/38 (2006.01) B63H 3/08 (2006.01)
[25] EN
[54] PROPELLER BLADE PITCH CHANGE ACTUATION SYSTEM
[54] SYSTEME D'ACTIONNEMENT DE CHANGEMENT DE PAS D'AUBE D'HELICE
[72] MARGER, THIBAUT, FR
[72] BOULOC, ROMAIN, FR
[71] RATIER-FIGEAC SAS, FR
[22] 2022-09-28
[41] 2023-05-22
[30] EP (21290076.5) 2021-11-22

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[21] 3,178,365 [13] A1
[51] Int.Cl. G06Q 30/01 (2023.01) G06Q 30/0601 (2023.01)
[25] EN
[54] SYSTEM TO IDENTIFY AND INTERACT WITH SELLERS
[54] SYSTEME POUR IDENTIFIER DES VENDEURS ET INTERAGIR AVEC CES DERNIERS
[72] LEHAL, INDERPAL, CA
[71] KONECTAI, LLC, US
[22] 2022-10-04
[41] 2023-05-24
[30] US (17/456,542) 2021-11-24

[21] 3,178,523 [13] A1
[51] Int.Cl. A01F 25/16 (2006.01) A01F 25/22 (2006.01)
[25] EN
[54] PORTABLE SYSTEMS, DEVICES AND METHODS FOR AUTOMATED MONITORING AND CONDITIONING OF STORED AGRICULTURAL ASSETS
[54] SYSTEMES PORTATIFS, DISPOSITIFS ET METHODES POUR LA SURVEILLANCE ET LE CONDITIONNEMENT AUTOMATISES DE BIENS AGRICOLES STOCKES
[72] ROGOSCHEWSKY, STEVEN, CA
[72] MAKI, DUSTIN, CA
[71] ADAPTIVE AGRICULTURE SOLUTIONS INC., CA
[22] 2022-10-06
[41] 2023-05-26
[30] US (17535889) 2021-11-26

[21] 3,179,687 [13] A1
[51] Int.Cl. B60Q 1/44 (2006.01) B60Q 9/00 (2006.01)
[25] EN
[54] METHOD OF IMPROVING ROAD SAFETY WHEN A SECONDARY VEHICLE IS LOADED ONTO A PRIMARY VEHICLE, A KIT THEREFOR, AND A PRIMARY VEHICLE COMPRISING ENHANCED REAR LIGHTING
[54] METHODE D'AMELIORATION DE LA SECURITE ROUTIERE LORSQU'UN VEHICULE SECONDAIRE EST CHARGE SUR UN VEHICULE PRIMAIRE, UNE TROUSSE CONNEXE ET UN VEHICULE PRIMAIRE COMPRENANT UN ECLAIRAGE ARRIERE AMELIORE
[72] KURTZ, DAX, CA
[71] KURTZ, DAX, CA
[22] 2022-10-20
[41] 2023-05-24
[30] US (17/535476) 2021-11-24

[21] 3,179,984 [13] A1
[51] Int.Cl. E06B 1/00 (2006.01) E04B 2/88 (2006.01) E06B 1/04 (2006.01) E06B 1/56 (2006.01) E06B 3/673 (2006.01)
[25] EN
[54] PRE-GLAZED WINDOW WALL SYSTEM
[54] SYSTEME DE MUR DE FENETRE PREVERNISSE
[72] WILCOX, LEONARD, US
[71] ARCONIC TECHNOLOGIES LLC, US
[22] 2022-10-25
[41] 2023-05-22
[30] US (63/281789) 2021-11-22

[21] 3,180,048 [13] A1
[25] EN
[54] BACKUP POWER SUPPLY DEVICE AND METHOD FOR CHARGING AND DISCHARGING THE SAME
[54] DISPOSITIF DE BLOC D'ALIMENTATION DE SECOURS ET METHODE POUR LE CHARGER ET LE DECHARGER
[72] SUGIMORI, SHUNICHIRO, JP
[72] KONDA, NAOAKI, JP
[71] FDK CORPORATION, JP
[22] 2022-10-26
[41] 2023-05-22
[30] JP (2021-189344) 2021-11-22

[21] 3,180,684 [13] A1
[51] Int.Cl. C08G 77/14 (2006.01) C08G 77/08 (2006.01) C08G 77/18 (2006.01) C09D 5/00 (2006.01) C09D 183/06 (2006.01)
[25] EN
[54] CURABLE CONDENSATION COMPOUNDS BASED ON ALKOXY-FUNCTIONAL POLYSILOXANES
[54] COMPOSES DE CONDENSATION DURCISSABLES FONDES SUR DES POLYSILOXANES A FONCTION ALCOXY
[72] DE GANS, BEREND-JAN, DE
[72] KNOTT, WILFRIED, DE
[72] DUDZIK, HORST, DE
[72] HALLACK, MARKUS, DE
[72] DULLMANN, FLORIAN, DE
[72] FAVRESSE, PHILIPPE, DE
[71] EVONIK OPERATIONS GMBH, DE
[22] 2022-11-01
[41] 2023-05-25
[30] EP (21210450.9) 2021-11-25

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<p style="text-align: right;">[21] 3,181,545 [13] A1</p> <p>[51] Int.Cl. B60S 1/08 (2006.01) B64D 47/00 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD OF WIPER ELECTRIC DRIVE CONTROL USING FOUR QUADRANT OPERATION</p> <p>[54] SYSTEME ET METHODE DE COMMANDE ELECTRIQUE D'ESSUIE-GLACE AU MOYEN D'UNE OPERATION A QUATRE QUADRANTS</p> <p>[72] MURTHY, MUTHUKUMAR, IN</p> <p>[72] THIRUNARAYANA, ASHOK KUMAR, IN</p> <p>[72] ARYASOMAYAJULA, SRIVIDYA, IN</p> <p>[72] KUNDANAGAR, ROHINI, IN</p> <p>[71] ROSEMOUNT AEROSPACE INC., US</p> <p>[22] 2022-11-09</p> <p>[41] 2023-05-23</p> <p>[30] IN (202141053856) 2021-11-23</p>	<p style="text-align: right;">[21] 3,181,862 [13] A1</p> <p>[51] Int.Cl. E01H 4/02 (2006.01) E01H 5/06 (2006.01)</p> <p>[25] EN</p> <p>[54] SNOW TOOTH FOR A SNOW TILLER AND SAID SNOW TILLER FOR THE PREPARATION OF THE SNOW COVER OF THE SKI SLOPES</p> <p>[54] DENT A NEIGE POUR APPAREIL DE TRAVAIL DE LA NEIGE ET LEDIT APPAREIL POUR LA PREPARATION DE LA COUVERTURE DE NEIGE POUR LES PENTES DE SKI</p> <p>[72] KIRCHMAIR, MARTIN, IT</p> <p>[72] UNTERHOLZNER, MARKUS, IT</p> <p>[72] INSAM, MIRKO, IT</p> <p>[71] PRINOTH S.P.A., IT</p> <p>[22] 2022-11-11</p> <p>[41] 2023-05-23</p> <p>[30] IT (102021000029603) 2021-11-23</p>	<p style="text-align: right;">[21] 3,182,118 [13] A1</p> <p>[51] Int.Cl. A63B 63/08 (2006.01) A63B 69/00 (2006.01)</p> <p>[25] FR</p> <p>[54] EQUIPMENT FOR PLAYING BASKETBALL</p> <p>[54] EQUIPEMENT POUR LA PRATIQUE DU BASKETBALL</p> <p>[72] DEVIN, CLEMENCE, FR</p> <p>[72] LEGACHE, JEROME, FR</p> <p>[72] DAUCHY, CLEMENT, FR</p> <p>[72] LE CUNFF, UISANT, FR</p> <p>[71] DECATHLON, FR</p> <p>[22] 2022-11-23</p> <p>[41] 2023-05-25</p> <p>[30] FR (2112537) 2021-11-25</p>
<p style="text-align: right;">[21] 3,181,681 [13] A1</p> <p>[51] Int.Cl. G02C 7/10 (2006.01) A63B 71/00 (2006.01) G02F 1/17 (2019.01)</p> <p>[25] EN</p> <p>[54] VARIABLE TRANSMITTANCE SUNGLASSES</p> <p>[54] LUNETTES DE SOLEIL A TRANSMITTANCE VARIABLE</p> <p>[72] FORTIN, MANUEL, CA</p> <p>[71] FORTIN, MANUEL, CA</p> <p>[22] 2022-11-10</p> <p>[41] 2023-05-26</p> <p>[30] US (63/283411) 2021-11-26</p>	<p style="text-align: right;">[21] 3,181,935 [13] A1</p> <p>[51] Int.Cl. B66F 11/00 (2006.01) E21B 41/00 (2006.01)</p> <p>[25] EN</p> <p>[54] LIFTING PLANE OF SURFACE DRILL RIG</p> <p>[54] PLAN DE LEVAGE D'UNE INSTALLATION DE FORAGE EN SURFACE</p> <p>[72] KAMARAINEN, TIMO, FI</p> <p>[72] SAARELA, JUHA, FI</p> <p>[71] ARCTIC DRILLING COMPANY OY LTD, FI</p> <p>[22] 2022-11-14</p> <p>[41] 2023-05-24</p> <p>[30] FI (20216201) 2021-11-24</p>	<p style="text-align: right;">[21] 3,182,126 [13] A1</p> <p>[51] Int.Cl. E04B 2/02 (2006.01) E04B 1/62 (2006.01) E04B 2/00 (2006.01) E04G 21/00 (2006.01)</p> <p>[25] EN</p> <p>[54] WALL CONSTRUCTION WITH LAMINATED INSULATION PANELS AND SPACER BOARDS FORMING INSULATIVE AIR-FILLED VOIDS</p> <p>[54] CONSTRUCTION DE MUR AVEC PANNEAUX D'ISOLATION STRATIFIES ET PANNEAUX D'ECALEMENT FORMANT DES VIDES REMPLIS D'AIR ISOLANTS</p> <p>[72] CULLEN, BERNARD TED, CA</p> <p>[71] CULLEN, BERNARD TED, CA</p> <p>[22] 2022-11-21</p> <p>[41] 2023-05-25</p> <p>[30] US (63/283261) 2021-11-25</p>
<p style="text-align: right;">[21] 3,182,071 [13] A1</p> <p>[51] Int.Cl. G06Q 30/0251 (2023.01) G06Q 20/20 (2012.01) G06F 3/12 (2006.01) G07G 5/00 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR PRINTING MESSAGES</p> <p>[54] SYSTEME ET METHODE D'IMPRESSION DE MESSAGES</p> <p>[72] GINGRAS, JEAN-PHILIPPE, CA</p> <p>[71] G4POS INC., CA</p> <p>[22] 2022-11-15</p> <p>[41] 2023-05-26</p> <p>[30] US (63/283,320) 2021-11-26</p>	<p style="text-align: right;">[21] 3,182,173 [13] A1</p> <p>[51] Int.Cl. B60G 7/00 (2006.01) B60G 7/02 (2006.01)</p> <p>[25] EN</p> <p>[54] REAR SUSPENSION ASSEMBLY FOR A VEHICLE</p> <p>[54] ENSEMBLE DE SUSPENSION ARRIERE POUR UN VEHICULE</p> <p>[72] SCHEUERELL, ALEX R., US</p> <p>[72] HELGESON, DAVID D., US</p> <p>[72] NORTON, AARON S., US</p> <p>[71] POLARIS INDUSTRIES INC., US</p> <p>[22] 2022-11-21</p> <p>[41] 2023-05-23</p> <p>[30] US (63/282368) 2021-11-23</p>	

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[21] 3,182,181
[13] A1
[51] Int.Cl. A47B 81/00 (2006.01) A47B 55/00 (2006.01) A47B 96/14 (2006.01)
[25] EN
[54] TANK RACK
[54] RATELIER A RESERVOIRS
[72] WILLNOW, ELIZABETH ELAINE, US
[71] ADRIAN STEEL COMPANY, US
[22] 2022-11-17
[41] 2023-05-23
[30] US (63/264,474) 2021-11-23
[30] US (17/822,160) 2022-08-25

[21] 3,182,192
[13] A1
[25] EN
[54] MULTI-CHANNEL SIGNALING FOR A BARRIER OPERATOR SYSTEM
[54] SIGNALISATION MULTICANAL POUR UN SYSTEME D'OPERATION DE BARRIERE
[72] WHITLEY, ROBERT M., US
[71] GMI HOLDINGS, INC., US
[22] 2022-11-17
[41] 2023-05-24
[30] US (63/282,838) 2021-11-24

[21] 3,182,203
[13] A1
[25] EN
[54] HYBRID SMART PHONE SMART CAMERA SYSTEM BASED ON METHODS AND SYSTEM FOR MODIFYING A SMART PHONE
[54] SYSTEME DE TELEPHONE INTELLIGENT-CAMERA INTELLIGENTE HYBRIDE FONDE SUR DES METHODES ET UN SYSTEME POUR MODIFIER UN TELEPHONE INTELLIGENT
[72] TAL, ROYI, CA
[72] KANDASAMY, SUTHAKARAN, CA
[72] BAKONYI, THOMAS, CA
[72] ARTMAN, OMRI, CA
[72] IBANA, REDENTHOR, CA
[72] CURRY, DAVID, CA
[71] VISUAL DEFENCE INC., CA
[22] 2022-11-17
[41] 2023-05-24
[30] US (17/534,816) 2021-11-24

[21] 3,182,220
[13] A1
[51] Int.Cl. G06Q 50/16 (2012.01) G06N 20/00 (2019.01) G06V 20/10 (2022.01)
[25] EN
[54] SYSTEMS AND METHODS FOR REFINING HOUSE CHARACTERISTIC DATA USING ARTIFICIAL INTELLIGENCE AND/OR OTHER TECHNIQUES
[54] SYSTEMES ET METHODES POUR PEAUFINER DES DONNEES DE CARACTERISTIQUES DE MAISON AU MOYEN D'INTELLIGENCE ARTIFICIELLE ET/OU D'AUTRES TECHNIQUES
[72] DUA, PUNEIT, US
[72] WIGGS, JOSHUA JAMES, US
[72] CORBIN, MATT, US
[72] HELLAND, DUSTIN, US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2022-11-17
[41] 2023-05-24
[30] US (63/283,210) 2021-11-24
[30] US (63/302,402) 2022-01-24
[30] US (17/700,912) 2022-03-22

[21] 3,182,228
[13] A1
[25] EN
[54] ARMORED CABLE ASSEMBLY WITH GROUNDING PATH COMPONENT EQUIPPED ARMOR
[54] ASSEMBLAGE DE CABLE BLINDE AVEC BLINDAGE DOTE D'UN ELEMENT DE TRAJET PAR LA MASSE
[72] BACON, SHELLEY, CA
[72] STAFFORD, TODD, CA
[72] HARRIS, DONALD, CA
[71] NORTHERN CABLES INC., CA
[22] 2022-11-17
[41] 2023-05-24
[30] US (63/282,874) 2021-11-24

[21] 3,182,375
[13] A1
[51] Int.Cl. F16L 59/10 (2006.01) F16L 58/00 (2006.01) F16L 59/02 (2006.01)

[25] EN
[54] EXTERIOR CLADDING FOR INSULATION SYSTEMS
[54] GAINES EXTERIEURE POUR SYSTEMES D'ISOLATION
[72] JONES, MARYBETH, US
[72] KULPRATHIPANJA, AMES, US
[71] JOHNS MANVILLE, US
[22] 2022-11-18
[41] 2023-05-23
[30] US (17/533,477) 2021-11-23

[21] 3,182,468
[13] A1
[51] Int.Cl. E21B 49/08 (2006.01)
[25] EN
[54] FLOAT ANGLE PROBES FOR MONITORING WELLBORE FLUID COMPOSITION AND METHODS OF USING THE SAME
[54] PALPEURS OBLIQUES DE FLOTTEUR POUR SURVEILLER LA COMPOSITION DES FLUIDES DANS UN TROU DE FORAGE ET METHODES D'UTILISATION

[72] HUNSLEY, KENDRA, CA
[72] HUBBARD, JESSE, CA
[72] LILLEJORD, BLAIR, CA
[71] NEWPARK DRILLING FLUIDS LLC, US
[22] 2022-11-18
[41] 2023-05-23
[30] US (63/282,237) 2021-11-23

[21] 3,182,487
[13] A1
[51] Int.Cl. E21B 47/017 (2012.01) E21B 47/13 (2012.01) E21B 47/18 (2012.01) F16F 15/121 (2006.01)
[25] EN
[54] IMPROVED VIBRATION ABSORBER APPARATUS AND METHODS OF USE
[54] AMORTISSEUR DE VIBRATIONS AMELIORE ET METHODES D'UTILISATION
[72] FALAHATI, FARJAD, CA
[72] CORDOBA, ANDRES FELIPE, CA
[72] BROWN, CRAIG, CA
[71] PHOENIX TECHNOLOGY SERVICES INC., CA
[22] 2022-11-21
[41] 2023-05-24
[30] US (63/282,854) 2021-11-24

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<p style="text-align: right; margin-top: -10px;">[21] 3,182,521</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. F41A 9/83 (2006.01) F42B 39/00 (2006.01)</p> <p>[25] EN</p> <p>[54] MAGAZINE AMMUNITION UNLOADER AND MAGAZINE CONTAINER FOR MAGAZINE AMMUNITION UNLOADER</p> <p>[54] DECHARGEUR DES MUNITIONS D'UN MAGASIN A MUNITIONS ET CONTENANT A MAGASIN A MUNITIONS POUR LE DECHARGEUR</p> <p>[72] LAMARCHE, FRANCOIS, CA</p> <p>[71] AMMUNITION MANAGEMENT TECHNOLOGIES INC., CA</p> <p>[22] 2022-11-22</p> <p>[41] 2023-05-22</p> <p>[30] US (63/281,777) 2021-11-22</p>	<p style="text-align: right; margin-top: -10px;">[21] 3,182,573</p> <p style="text-align: right;">[13] A1</p> <p>[25] EN</p> <p>[54] PATCH FOR SCREEN DEFECT REPAIR AND METHOD</p> <p>[54] PIECE DE REPARATION DE DEFAUT D'ECRAN ET METHODE</p> <p>[72] WU, CHING-CHIN, CN</p> <p>[72] CHEN, WEN-SHAO, CN</p> <p>[71] REALD INC., US</p> <p>[22] 2022-11-22</p> <p>[41] 2023-05-24</p> <p>[30] CN (202111407503.7) 2021-11-24</p>	<p style="text-align: right; margin-top: -10px;">[21] 3,182,600</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06Q 10/10 (2023.01) G06F 16/903 (2019.01) G06N 20/00 (2019.01) G06F 40/279 (2020.01) G06F 40/56 (2020.01)</p> <p>[25] EN</p> <p>[54] COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR PROVIDING AN ARTIFICIAL INTELLIGENCE POWERED DIGITAL MEETING ASSISTANT</p> <p>[54] SYSTEME ET METHODE EXECUTES PAR ORDINATEUR POUR FOURNIR UN ASSISTANT DE REUNION NUMERIQUE FONDE SUR L'INTELLIGENCE ARTIFICIELLE</p> <p>[72] WELLS, ANDREW ALAN, US</p> <p>[72] PANDEY, ABHINAV, US</p> <p>[72] KUMAR, HIMANSHU, US</p> <p>[72] NAIR, RISHI, US</p> <p>[72] JAIN, RISHAV, US</p> <p>[72] LALJI, ALKARIM "AL", US</p> <p>[71] SMARTEK21 PRODUCT HOLDINGS CO., US</p> <p>[22] 2022-11-22</p> <p>[41] 2023-05-24</p> <p>[30] US (63/283,173) 2021-11-24</p> <p>[30] US (17/991,796) 2022-11-21</p>
<p style="text-align: right; margin-top: -10px;">[21] 3,182,547</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B66C 1/36 (2006.01) B66C 1/62 (2006.01)</p> <p>[25] EN</p> <p>[54] LIFTING HOOK</p> <p>[54] CROCHET DE LEVAGE</p> <p>[72] ERCILLA LECEA, ABEL, ES</p> <p>[71] ULMA C Y E, S. COOP, ES</p> <p>[22] 2022-11-22</p> <p>[41] 2023-05-23</p> <p>[30] EP (EP21383054.0) 2021-11-23</p>	<p style="text-align: right; margin-top: -10px;">[21] 3,182,580</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G16H 50/30 (2018.01) G16H 10/60 (2018.01) G16B 5/00 (2019.01)</p> <p>[25] FR</p> <p>[54] PROCESS AND SYSTEM OF DETECTION AND CHARACTERIZATION OF WEAK SIGNS OF PATIENT EXPOSURE TO RISK</p> <p>[54] PROCEDE ET SYSTEME DE DETECTION ET DE CARACTERISATION DE SIGNAUX FAIBLES D'EXPOSITION A UN RISQUE POUR UN PATIENT</p> <p>[72] BERDOUZ QRICHI ANIBA, HAKIMA, FR</p> <p>[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR</p> <p>[22] 2022-11-18</p> <p>[41] 2023-05-22</p> <p>[30] FR (FR2112345) 2021-11-22</p>	<p style="text-align: right; margin-top: -10px;">[21] 3,182,603</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. E04F 11/18 (2006.01) E04F 11/00 (2006.01) E04F 11/02 (2006.01)</p> <p>[25] EN</p> <p>[54] BALUSTER ATTACHMENT MECHANISM HAVING SECURING RESILIENT FLANGES</p> <p>[54] MECANISME D'ATTACHE DE BALUSTRE COMPRENANT DES BRIDES DE FIXATION ELASTIQUES</p> <p>[72] KURTZ, CRAIG, US</p> <p>[71] NOVO BUILDING PRODUCTS, LLC, US</p> <p>[22] 2022-11-22</p> <p>[41] 2023-05-24</p> <p>[30] US (17/535.180) 2021-11-24</p>
<p style="text-align: right; margin-top: -10px;">[21] 3,182,550</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. E02F 3/42 (2006.01) E02D 7/22 (2006.01) E02F 3/36 (2006.01)</p> <p>[25] EN</p> <p>[54] ROTARY DRIVER FOR A HELICAL PILE FOUNDATION ATTACHED TO A BOOM ARM OF AN EXCAVATOR FORMING A COUNTER-SUPPORT</p> <p>[54] MECANISME D'ENTRAINEMENT ROTATIF POUR UNE FONDATION SUR PIEUX HELICOIDES ATTACHE A BRAS DE FLECHE D'UNE EXCAVATRICE FORMANT UN CONTRE-SUPPORT</p> <p>[72] THURNER, GUNTHER, DE</p> <p>[72] THURNER, MARTIN, DE</p> <p>[71] KRINNER INNOVATION GMBH, DE</p> <p>[22] 2022-11-21</p> <p>[41] 2023-05-22</p> <p>[30] DE (10 2021 130 447.4) 2021-11-22</p>	<p style="text-align: right; margin-top: -10px;">[21] 3,182,597</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. F16B 25/04 (2006.01) F16B 33/02 (2006.01)</p> <p>[25] EN</p> <p>[54] THREADED FASTENER WITH SCALLOPED MINOR DIAMETER</p> <p>[54] ATTACHE FILETEE AVEC DIAMETRE INTERIEUR FESTONNE</p> <p>[72] THEROUX, DOUGLAS R., US</p> <p>[71] OMG, INC., US</p> <p>[22] 2022-11-23</p> <p>[41] 2023-05-23</p> <p>[30] US (63/282.311) 2021-11-23</p>	

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[21] **3,182,629**

[13] A1

- [51] Int.Cl. A47C 17/00 (2006.01) A47C 19/00 (2006.01)
- [25] EN
- [54] **BED SYSTEMS AND METHODS**
- [54] **SYSTEMES ET METHODES DE LIT**
- [72] CORY, CAROLYNN R., US
- [71] CORY, CAROLYNN R., US
- [22] 2022-11-23
- [41] 2023-05-23
- [30] US (63/282,632) 2021-11-23

[21] **3,182,641**

[13] A1

- [51] Int.Cl. B64D 15/12 (2006.01) B64F 5/60 (2017.01) B64D 45/00 (2006.01)
- [25] EN
- [54] **HEATING PROGNOSTICS SYSTEM FOR ICE PROTECTION SYSTEM**
- [54] **SYSTEME DE PRONOSTIC DE CHAUFFAGE POUR UN SYSTEME DE PROTECTION CONTRE LA GLACE**
- [72] NASLUND, BRIAN BRENT, US
- [72] BURNS, JEREMY S., US
- [72] WEBB, MATTHEW, US
- [72] SKOGLUND, JASON LEE, US
- [72] LOPRESTO, VINCENT R., US
- [72] JACKSON, DARREN G., US
- [71] ROSEMOUNT AEROSPACE INC., US
- [22] 2022-11-21
- [41] 2023-05-22
- [30] US (17/532,677) 2021-11-22

[21] **3,182,649**

[13] A1

- [51] Int.Cl. A62C 2/06 (2006.01)
- [25] EN
- [54] **A FIRE BARRIER, A METHOD FOR INSTALLING THE SAME, AN EXPANSION JOINT SYSTEM AND A FIRE BARRIER ASSEMBLY**
- [54] **COUPE-FEU, PROCEDE D'INSTALLATION CONNEXE ET SYSTEME DE JOINT DE DILATATION ET ENSEMBLE COUPE-FEU**
- [72] SOBOL, JOHN, US
- [72] MOORE, GARY, US
- [72] HAMILTON, NEIL, US
- [72] PUMM, PAUL, US
- [72] ROSS, GREG, US
- [71] WATSON BOWMAN ACME CORPORATION, US
- [22] 2022-11-23
- [41] 2023-05-23
- [30] US (17/533,916) 2021-11-23

[21] **3,182,674**

[13] A1

- [51] Int.Cl. G07F 17/32 (2006.01) A63F 13/80 (2014.01) G06F 3/14 (2006.01) G06F 7/58 (2006.01)
- [25] EN
- [54] **RANDOMIZED SYMBOL REPLACEMENT WITH SYNCHRONIZATION**
- [54] **REEMPLACEMENT DE SYMBOLE ALEATOIRE AVEC SYNCHRONISATION**
- [72] HARPUR, RORY ANGUS, ZA
- [72] THORPE-FAIRALL, MARCUS DOUGLAS, ZA
- [71] GAMES GLOBAL OPERATIONS LIMITED, IM
- [22] 2022-11-23
- [41] 2023-05-25
- [30] GB (GB2117025.3) 2021-11-25

[21] **3,182,700**

[13] A1

- [51] Int.Cl. E06B 9/68 (2006.01) E05F 15/668 (2015.01) E06B 9/08 (2006.01) E06B 9/56 (2006.01)
- [25] EN
- [54] **DRIVE ASSEMBLY FOR MOVABLE BARRIER**
- [54] **MECANISME D'ENTRAINEMENT POUR UNE BARRIERE MOBILE**
- [72] HAWKINS, RAYMOND, AU
- [72] GUPTA, KANAV, AU
- [72] SMITH, TRAVIS, AU
- [72] NICHOLLS, GRANT, AU
- [71] AUTOMATIC TECHNOLOGY (AUSTRALIA) PTY LTD, AU
- [22] 2022-11-24
- [41] 2023-05-26
- [30] AU (2021903816) 2021-11-26

[21] **3,182,706**

[13] A1

- [51] Int.Cl. G06Q 40/12 (2023.01) G06F 16/20 (2019.01)
- [25] EN
- [54] **SYSTEMS AND METHODS FOR GENERATING COMPUTERIZED DATABASES**
- [54] **SYSTEMES ET METHODES POUR GENERER DES BASES DE donnees INFORMATISEES**
- [72] SAXENA, RAJIV, SG
- [71] VISA FINANCIAL TECHNOLOGY PTE. LTD., SG
- [22] 2022-11-22
- [41] 2023-05-23
- [30] US (63/282,648) 2021-11-23

[21] **3,182,708**

[13] A1

- [51] Int.Cl. G06T 7/136 (2017.01) G06T 7/90 (2017.01) G16H 30/40 (2018.01) G06V 10/28 (2022.01) G06V 10/56 (2022.01) G06V 10/88 (2022.01) G06V 20/69 (2022.01) A61B 5/00 (2006.01)
- [25] EN
- [54] **SYSTEMS, DEVICES, AND METHODS FOR IMAGE INTERPRETATION**
- [54] **SYSTEMES, DISPOSITIFS ET METHODES D'INTERPRETATION D'IMAGE**
- [72] KIRMAN, JEFFREY R., CA
- [72] HIRSON, DESMOND, CA
- [71] MOLECULIGHT INC., CA
- [22] 2022-11-23
- [41] 2023-05-24
- [30] US (63/282,894) 2021-11-24

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[21] 3,182,716
[13] A1
[25] EN
[54] PRESSURE SENSOR WITH TRIM RESISTORS
[54] CAPTEUR DE PRESSION AVEC RÉSISTANCES D'AJUSTEMENT
[72] POTASEK, DAVID P., US
[72] STUELKE, ROBERT, US
[71] ROSEMOUNT AEROSPACE INC., US
[22] 2022-11-21
[41] 2023-05-22
[30] US (17/532,687) 2021-11-22

[21] 3,182,751
[13] A1
[51] Int.Cl. F24B 13/00 (2006.01) F24B 1/08 (2021.01) F24B 13/04 (2006.01)
[25] EN
[54] PELLET STOVE
[54] POELE A GRANULES
[72] HONG, LIYAO, US
[72] NELSON, GARY, US
[71] ENERCO GROUP, INC., US
[22] 2022-11-24
[41] 2023-05-24
[30] US (17/993,442) 2022-11-23
[30] US (63/282,718) 2021-11-24

[21] 3,182,762
[13] A1
[25] EN
[54] SYSTEMS, METHODS AND APPARATUS FOR UNIVERSAL TRACKING AND SENSING FOR USE IN DIGITALLY SIMULATED ENVIRONMENTS
[54] SYSTEMES, MÉTHODES ET APPAREIL POUR LE SUIVI ET LA DETECTION UNIVERSELLES AUX FINIS D'UTILISATION DANS LES ENVIRONNEMENTS SIMULÉS NUMÉRIQUEMENT
[72] MCCUBBIN-FREER, TAYLOR, CA
[72] WAJDA, TOM, CA
[71] CHIMERAXR INCORPORATED, CA
[22] 2022-11-24
[41] 2023-05-24
[30] US (63/283,026) 2021-11-24

[21] 3,182,767
[13] A1
[25] EN
[54] METHOD AND SYSTEM FOR DETECTION OF RULESET MISCONFIGURATION
[54] METHODE ET SYSTÈME POUR LA DETECTION D'UNE MAUVAISE CONFIGURATION D'UN ENSEMBLE DE RÈGLES
[72] WALDENBORG, ANDERS, SE
[72] TELLGREN, MARTIN, CA
[72] HAVANG, ALEXANDER, CA
[71] SANDVINE CORPORATION, CA
[22] 2022-11-25
[41] 2023-05-26
[30] US (63/283,324) 2021-11-26

[21] 3,182,773
[13] A1
[51] Int.Cl. B65G 45/22 (2006.01)
[25] EN
[54] CONVEYOR BELT CLEANING TOOL
[54] OUTIL DE NETTOYAGE DE BANDE TRANSPORTEUSE
[72] SAVOIE, LUC, CA
[71] SAVOIE, LUC, CA
[22] 2022-11-25
[41] 2023-05-26
[30] US (63/283,388) 2021-11-26

[21] 3,182,774
[13] A1
[51] Int.Cl. F24H 9/1877 (2022.01) F23D 14/10 (2006.01) F24D 5/02 (2006.01) F24H 3/00 (2006.01)
[25] EN
[54] TOP FIRED OUTDOOR GAS HEAT EXCHANGER
[54] ECHANGEUR DE CHALEUR À GAZ EXTERIEUR ALLUME PAR LE HAUT
[72] CABRERA, ROBERT EDWARD, US
[72] JAYARATHNE, MADHUKA MANURANGA, US
[71] JOHNSON CONTROLS TYCO IP HOLDINGS LLP, US
[22] 2022-11-22
[41] 2023-05-23
[30] US (17/534192) 2021-11-23

[21] 3,182,782
[13] A1
[51] Int.Cl. B32B 13/00 (2006.01) B32B 37/15 (2006.01) B32B 38/16 (2006.01)
[25] EN
[54] GYPSUM PANEL CONTAINING A POLYOL COMPOUND AND/OR AN ALKOXYLATED COMPOUND
[54] PANNEAU DE GYPSE CONTENANT UN COMPOSÉ DE POLYOL ET/OU UN COMPOSÉ ALCOXYLE
[72] PIERCY, ROBERT, US
[72] WHITTINGTON, GENE, US
[72] IYER, R. G., US
[72] STAV, ELI, US
[71] GOLD BOND BUILDING PRODUCTS, LLC, US
[22] 2022-11-24
[41] 2023-05-24
[30] US (63/283,000) 2021-11-24

[21] 3,182,789
[13] A1
[51] Int.Cl. F04B 19/04 (2006.01) F04B 49/06 (2006.01)
[25] EN
[54] ELECTRO-OSMOTIC PUMP, METHOD OF MANUFACTURING ELECTRODE, FLUID PUMPING SYSTEM USING THE SAME, AND OPERATION METHOD THEREOF
[54] POMPE ELECTROOSMOTIQUE, MÉTHODE DE FABRICATION D'ELECTRODE, SYSTÈME DE POMPAGE DE FLUIDE CONNEXÉE ET MÉTHODE D'OPÉRATION CONNEXÉE
[72] SHIN, WOONSUP, KR
[72] ZHU, ENHUA, KR
[72] KIM, KYEONGHYEON, KR
[72] KANG, JUNYEONG, KR
[71] CAREMEDI CO., LTD., KR
[22] 2022-11-25
[41] 2023-05-26
[30] KR (10-2021-0165573) 2021-11-26

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[21] 3,182,794 [13] A1 [51] Int.Cl. G06F 9/50 (2006.01) [25] EN [54] RESOURCE ADJUSTING METHOD, DEVICE, EQUIPMENT AND STORAGE MEDIUM FOR FLINK TASK PROCESSING [54] METHODE D'AJUSTEMENT DE RESSOURCE, DISPOSITIF, EQUIPEMENT ET SUPPORT DE STOCKAGE POUR LE TRAITEMENT D'UNE TACHE FLINK [72] FAN, DONG, CN [72] WANG, JINZHONG, CN [72] SUN, QIAN, CN [72] FANG, WUYUAN, CN [72] LI, CHENG, CN [71] 10353744 CANADA LTD., CA [22] 2022-11-24 [41] 2023-05-24 [30] CN (202111400825.9) 2021-11-24

[21] 3,182,797 [13] A1 [51] Int.Cl. E04G 21/16 (2006.01) E04F 21/00 (2006.01) E04G 21/14 (2006.01) E04G 23/02 (2006.01) E06B 3/00 (2006.01) E06B 7/28 (2006.01) [25] EN [54] ADAPTABLE DOOR MOUNTING SUPPORT FOR POSITIONING AND INSTALLATION OF DOOR SLAB AND METHODS OF USE AND ASSEMBLY THEREOF [54] SUPPORT DE MONTAGE DE PORTE ADAPTATIF POUR LE POSITIONNEMENT ET L'INSTALLATION D'UNE DALLE DE PORTE ET METHODES D'UTILISATION ET D'ASSEMBLAGE [72] EGE, PATRICK C., US [72] WALSH, JASON M., US [72] ALLEN, ROBERT C., US [72] NATTA, RACE C., US [72] LINDBERG, BRENT, US [72] JEON, JAE YOUNG, US [72] ZAYAT, JONATHAN R., US [71] MASONITE CORPORATION, US [22] 2022-11-24 [41] 2023-05-24 [30] US (63/282975) 2021-11-24

[21] 3,182,798 [13] A1 [25] FR [54] PROCESS FOR CONFIGURING A COMMUNICATION NETWORK AND NODE IMPLEMENTING SAID PROCESS OF CONFIGURATION [54] PROCEDE DE CONFIGURATION D'UN RESEAU DE COMMUNICATION ET NOEUD IMPLEMENTANT LEDIT PROCEDE DE CONFIGURATION [72] ALARCON, LAURENT, FR [72] FAYE, STANISLAS, FR [72] LALAM, MASSINISSA, FR [71] SAGEMCOM BROADBAND SAS, FR [22] 2022-11-24 [41] 2023-05-26 [30] FR (FR2112595) 2021-11-26

[21] 3,182,807 [13] A1 [25] EN [54] TAMPER RESISTANT ELECTRICAL OUTLET [54] PRISE ELECTRIQUE RESISTANTE AUX ALTERATIONS [72] VANDER TILL, GERALD N., US [72] BARR, ROGER J., US [71] BYRNE, NORMAN R., US [22] 2022-11-22 [41] 2023-05-24 [30] US (63/282884) 2021-11-24

[21] 3,182,902 [13] A1 [25] EN [54] METHOD AND SYSTEM FOR LIVE MULTICASTING PERFORMANCES TO DEVICES [54] METHODE ET SYSTEME DE DIFFUSION SELECTIVE EN DIRECT DES PERFORMANCES A DES DISPOSITIFS [72] CHASALOW, BRIAN PHILLIP, US [72] RIVA, ISABELLE, CA [71] UNITY TECHNOLOGIES APS, DK [22] 2022-11-24 [41] 2023-05-24 [30] US (63/283,111) 2021-11-24

[21] 3,183,017 [13] A1 [51] Int.Cl. G07C 9/20 (2020.01) G06V 10/12 (2022.01) G06K 7/14 (2006.01) G07B 11/02 (2006.01) [25] EN [54] FIXEDLY MOUNTED TICKET DETECTION DEVICE FOR AN ACCESS CONTROL SYSTEM [54] DISPOSITIF DE DETECTION DE BILLET FIXE POUR UN SYSTEME DE CONTROLE D'ACCES [72] MULLER, THOMAS, DE [71] SCHEIDT & BACHMANN GMBH, DE [22] 2022-11-28 [41] 2023-05-25 [30] DE (10 2021 130 970.0) 2021-11-25

[21] 3,183,533 [13] A1 [51] Int.Cl. G06Q 30/00 (2023.01) G06Q 20/06 (2012.01) G06Q 30/06 (2023.01) G06F 16/27 (2019.01) [25] EN [54] OWNERSHIP RESTRICTED ELECTRONIC TICKETING SYSTEM [54] SYSTEME DE BILLETTERIE ELECTRONIQUE A PROPRIETE RESTREINTE [72] WAGNER, JONATHAN M., US [71] VIVID SEATS LLC, US [22] 2022-11-17 [41] 2023-05-22 [30] US (17/532,781) 2021-11-22

[21] 3,184,526 [13] A1 [51] Int.Cl. G06Q 10/087 (2023.01) G06K 19/06 (2006.01) G06K 19/07 (2006.01) G06K 19/07 (2006.01) G06K 7/10 (2006.01) G06K 7/14 (2006.01) [25] EN [54] INVENTORY CONTROL SYSTEM WITH INTEGRATED ID TAGS [54] SYSTEME DE CONTROLE DES STOCKS AVEC ETIQUETTES D'IDENTIFICATION INTEGREES [72] SOLOMON, STANLEY B., US [71] WORTHWHILE PRODUCTS, US [22] 2022-12-22 [41] 2023-05-25 [30] US (17/567,350) 2022-01-03

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[21] 3,184,650	[21] 3,193,923	[21] 3,194,361
[13] A1	[13] A1	[13] A1
[25] EN		
[54] PROJECT MANAGEMENT AND CONTROL METHOD AND DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM	[51] Int.Cl. C05F 17/20 (2020.01) C05C 11/00 (2006.01) C05F 11/00 (2006.01) C05F 17/00 (2020.01) C12N 1/16 (2006.01)	[51] Int.Cl. H05B 3/84 (2006.01) H04L 67/12 (2022.01) H04L 67/50 (2022.01) B60S 1/02 (2006.01) H05B 1/02 (2006.01) H02M 3/00 (2006.01)
[54] METHODE ET DISPOSITIF DE GESTION ET DE CONTROLE DE PROJET, MATERIEL INFORMATIQUE ET SUPPORT DE STOCKAGE	[25] EN	[25] EN
[72] YU, YONGDAO, CN	[54] NITROGEN-ENHANCED YEAST-BASED FERTILIZER	[54] ELECTRONIC CONTROLLER FOR RAPID DEFROSTING AND AUTOMATED DEFOGGING IN VEHICLES
[72] WANG, JUNTAO, CN	[54] ENGRAIS A BASE DE LEVURE ENRICHIE D'AZOTE	[54] CONTROLEUR ELECTRONIQUE POUR LE DEGIVRAGE RAPIDE ET LE DESEMBUAGE AUTOMATISE DANS LES VEHICULES
[72] DONG, JIAJIA, CN	[72] O'FARRELL, CORYNNE, CA	[72] SAAD, SAMEH M. I., CA
[71] 10353744 CANADA LTD., CA	[72] TANUGULA, SHRAVAN, CA	[72] CHAVES, LUCIANO F., CA
[22] 2022-11-25	[72] ENRIQUEZ, ALEJANDRA, CA	[72] REDDING, DERRICK, US
[41] 2023-05-25	[72] WEISSENBERGER, MARKUS, CA	[71] BETTERFROST TECHNOLOGIES INC., CA
[30] CN (202111412230.5) 2021-11-25	[72] WYNNYK, KYLE G., CA	[22] 2023-03-28
	[71] SIXRING INC., CA	[41] 2023-05-26
	[22] 2023-03-23	
	[41] 2023-05-23	
	[30] CA (3,153,377) 2022-03-25	
[21] 3,187,691	[21] 3,193,935	[21] 3,194,361
[13] A1	[13] A1	[13] A1
[51] Int.Cl. E04B 1/19 (2006.01) E04B 1/26 (2006.01) E04B 1/38 (2006.01) E04B 2/70 (2006.01) E04C 3/12 (2006.01)	[51] Int.Cl. G06Q 10/1053 (2023.01) H04N 21/8547 (2011.01) G06Q 10/0639 (2023.01) G06V 30/10 (2022.01)	
[25] EN	[25] EN	
[54] BOARDS, KIT AND METHODS FOR CONSTRUCTION OF PREFABRICATED STRUCTURES	[54] A METHOD AND SYSTEM FOR COMPETENCY BASED ASSESSMENT	
[54] PANNEAUX, KIT ET METHODES DE CONSTRUCTION DE STRUCTURES PREFABRIQUEES	[54] METHODE ET SYSTEME POUR UNE EVALUATION AXEE SUR LES COMPETENCES	
[72] FRASER, DAVID CAVAN, CA	[72] SMART, ROBERT PETER, CA	
[72] FRASER, KARRIE LEE, CA	[71] SMART, ROBERT PETER, CA	
[71] FRASER, DAVID CAVAN, CA	[22] 2023-03-23	
[71] FRASER, KARRIE LEE, CA	[41] 2023-05-23	
[22] 2023-01-26	[30] US (17/730,831) 2022-04-27	
[41] 2023-05-26		

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<p>[51] Int.Cl. B60W 30/18 (2012.01) B60K 31/00 (2006.01)</p> <p>[25] EN</p> <p>[54] SPEED CONTROLLER FOR VEHICLES</p> <p>[54] REGULATEUR DE VITESSE POUR VEHICULES</p> <p>[72] SUMMERS, PAUL ANDREW ROY, CA</p> <p>[71] MILLER TECHNOLOGY INCORPORATED, CA</p> <p>[85] 2022-09-28</p> <p>[86] 2021-11-22 (PCT/CA2021/051652)</p> <p>[87] (3177599)</p>	<p>[51] Int.Cl. A61B 5/302 (2021.01) A61B 5/24 (2021.01) A61B 5/287 (2021.01) A61B 5/294 (2021.01) A61B 5/361 (2021.01)</p> <p>[25] EN</p> <p>[54] THE USE OF LOCAL AMPLIFIERS AND A HUYGENS SENSOR ARRAY IN MEASURING BIOELECTRIC SIGNALS AND CLINICAL APPLICATIONS THEREOF</p> <p>[54] UTILISATION D'AMPLIFICATEURS LOCAUX ET D'UN RESEAU DE CAPTEURS HUYGENS DANS LA MESURE DE SIGNAUX BIOELECTRIQUES ET LEURS APPLICATIONS CLINIQUES</p> <p>[72] SHACHAR, JOSH, US</p> <p>[71] NEUROKINESIS CORP., US</p> <p>[85] 2023-04-11</p> <p>[86] 2022-08-09 (PCT/US2022/039798)</p> <p>[87] (WO2023/038748)</p> <p>[30] US (17/468,460) 2021-09-07</p> <p>[30] US (PCT/US2022030399) 2022-05-20</p>	<p>[51] Int.Cl. A61K 38/46 (2006.01)</p> <p>[25] EN</p> <p>[54] REPROGRAMMABLE ISCB NUCLEASES AND USES THEREOF</p> <p>[54] NUCLEASES ISCB REPROGRAMMABLES ET LEURS UTILISATIONS</p> <p>[72] ALTAE-TRAN, HAN, US</p> <p>[72] KANNAN, SOUMYA, US</p> <p>[72] DEMIRCIOGLU, FATMA ESRA, US</p> <p>[72] ZHANG, FENG, US</p> <p>[71] THE BROAD INSTITUTE, INC., US</p> <p>[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US</p> <p>[85] 2023-03-27</p> <p>[86] 2021-10-22 (PCT/US2021/056361)</p> <p>[87] (WO2022/087494)</p> <p>[30] US (63/105,177) 2020-10-23</p> <p>[30] US (63/105,191) 2020-10-23</p> <p>[30] US (63/156,857) 2021-03-04</p> <p>[30] US (63/195,659) 2021-06-01</p> <p>[30] US (63/235,583) 2021-08-20</p>
<p>[25] EN</p> <p>[54] SMALL-SCALE MIXER</p> <p>[54] MELANGEUR A ECHELLE REDUITE</p> <p>[72] VO, TRINH, US</p> <p>[72] CHEN, HUYUN, US</p> <p>[72] BHUPENDER BHALLA, AMARDEEP SINGH, US</p> <p>[71] REGENERON PHARMACEUTICALS, INC., US</p> <p>[85] 2023-01-23</p> <p>[86] 2021-08-05 (PCT/US2021/044768)</p> <p>[87] (WO2022/031983)</p> <p>[30] US (63/062,129) 2020-08-06</p> <p>[30] US (63/085,080) 2020-09-29</p> <p>[30] US (63/150,540) 2021-02-17</p>		

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<p style="text-align: right;">[21] 3,196,058</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G01V 1/50 (2006.01) G06N 3/04 (2023.01)</p> <p>[25] EN</p> <p>[54] CONFIDENCE VOLUMES FOR EARTH MODELING USING MACHINE LEARNING</p> <p>[54] VOLUMES DE CONFIANCE POUR MODELAGE DU TERRAIN A L'AIDE D'UN APPRENTISSAGE MACHINE</p> <p>[72] ZHANG, BARRY F., US</p> <p>[72] DE JESUS, ORLANDO, US</p> <p>[72] SANSLA, TUNA ALTAY, US</p> <p>[72] TIAN, EDWARD, US</p> <p>[71] QUANTICO ENERGY SOLUTIONS LLC, US</p> <p>[85] 2023-04-18</p> <p>[86] 2021-10-06 (PCT/US2021/053827)</p> <p>[87] (WO2022/093506)</p> <p>[30] US (17/082,399) 2020-10-28</p>

<p style="text-align: right;">[21] 3,196,128</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A24F 40/10 (2020.01) A24F 40/40 (2020.01) A24F 40/46 (2020.01)</p> <p>[25] EN</p> <p>[54] A VAPOUR GENERATING SYSTEM</p> <p>[54] SYSTEME DE GENERATION DE VAPEUR</p> <p>[72] HIJMA, HERMAN, NL</p> <p>[71] JT INTERNATIONAL SA, CH</p> <p>[85] 2023-04-18</p> <p>[86] 2021-10-15 (PCT/EP2021/078647)</p> <p>[87] (WO2022/084188)</p> <p>[30] EP (20203483.1) 2020-10-23</p>

<p style="text-align: right;">[21] 3,196,068</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C07D 401/04 (2006.01) C07D 403/04 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01)</p> <p>[25] EN</p> <p>[54] 2,3-DIHYDRO-1H-PYRROLO[3,2-B]PYRIDINE DERIVATIVE, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF</p> <p>[54] DERIVE DE 2,3-DIHYDRO-1H-PYRROLO[3,2-B]PYRIDINE, SON PROCEDE DE PREPARATION ET SON UTILISATION</p> <p>[72] ZHAO, BAOWEI, CN</p> <p>[72] ZHANG, MINGMING, CN</p> <p>[72] YU, HONGPING, CN</p> <p>[72] CHEN, ZHUI, CN</p> <p>[72] XU, YAOCHANG, CN</p> <p>[71] ABBIKSO THERAPEUTICS CO., LTD, CN</p> <p>[85] 2023-04-18</p> <p>[86] 2021-12-01 (PCT/CN2021/134790)</p> <p>[87] (WO2022/116995)</p> <p>[30] CN (202011400431.9) 2020-12-02</p>

<p style="text-align: right;">[21] 3,196,140</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 33/243 (2019.01) A61K 31/661 (2006.01) A61P 35/00 (2006.01)</p> <p>[25] EN</p> <p>[54] PHOSPHAPLATIN COMPOUNDS AS THERAPEUTIC AGENTS SELECTIVELY TARGETING HIGHLY GLYCOLYTIC TUMOR CELLS AND METHODS THEREOF</p> <p>[54] COMPOSES DE PHOSPHAPLATINE UTILISES EN TANT QU'AGENTS THERAPEUTIQUES CIBLANT SELECTIVEMENT DES CELLULES TUMORALES HAUTEMENT GLYCOLYTIQUES ET LEURS PROCEDES</p> <p>[72] AMES, TYLER D., US</p> <p>[72] ANEL, ALBERTO, ES</p> <p>[71] PROMONTORY THERAPEUTICS INC., US</p> <p>[85] 2023-04-18</p> <p>[86] 2021-10-20 (PCT/US2021/055907)</p> <p>[87] (WO2022/087173)</p> <p>[30] US (63/094,048) 2020-10-20</p>

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[51] Int.Cl. B01J 39/18 (2017.01) B01D 71/38 (2006.01)
[25] EN
[54] SEMI-INTERPENETRATING AND CROSSLINKED POLYMERS AND MEMBRANES THEREOF
[54] POLYMERES RETICULES ET SEMI-INTERPENETRANTS ET LEURS MEMBRANES
[72] WANG, LIHUI, US
[72] HUO, ZIYANG, US
[72] SHEN, CHENTIAN, US
[71] TWELVE BENEFIT CORPORATION, US
[85] 2023-04-19
[86] 2021-10-20 (PCT/US2021/055900)
[87] (WO2022/087167)
[30] US (63/093,790) 2020-10-20

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[13] A1

[51] Int.Cl. C07K 5/06 (2006.01) C07D 211/62 (2006.01)
[25] EN
[54] COMPOUNDS AND METHODS FOR THE TREATMENT OF OCULAR DISORDERS
[54] COMPOSES ET METHODES POUR LE TRAITEMENT DE TROUBLES OCULAIRES
[72] HOLMES, IAN, AU
[72] ALSTER, YAIR, IL
[72] BARASH, HILA, IL
[72] BOSWORTH, CHARLES, IL
[72] RAFAELI, OMER, IL
[72] BURK, ROBERT M., IL
[72] GLEESON, MARC, AU
[72] STEWART, MARK RICHARD, GB
[72] KATSINA, SOULTANA, GB
[71] AZURA OPHTHALMICS LTD., IL
[85] 2023-04-19
[86] 2021-10-20 (PCT/IB2021/000723)
[87] (WO2022/084747)
[30] US (63/094,791) 2020-10-21

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[51] Int.Cl. A61K 39/00 (2006.01) A61P 35/02 (2006.01) C07K 16/28 (2006.01)
[25] EN
[54] DOSING FOR TREATMENT WITH ANTI-CD20/ANTI-CD3 BISPECIFIC ANTIBODIES AND ANTI-CD79B ANTIBODY DRUG CONJUGATES
[54] DOSAGE POUR LE TRAITEMENT AVEC DES ANTICORPS BISPECIFIQUES ANTI-CD20/ANTI-CD3 ET DES CONJUGUES ANTICORPS ANTI-CD79B-MEDICAMENT
[72] LI, CHI-CHUNG, US
[72] O'HEAR, CAROL ELAINE, US
[72] SIMKO, STEPHEN JAMES III, US
[72] TO, IRIS TRANTHUYNGAN, US
[72] TOTPAL, KLARA, US
[72] WANG, HONG, US
[72] WEI, MICHAEL C., US
[72] YIN, SHEN, US
[72] BENDER, BRENDAN CHRISTIAN, US
[72] CHEN, XI, US
[72] CHU, YU-WAYE, US
[72] HRISTOPOULOS, MARIA, US
[71] GENENTECH, INC., US
[85] 2023-04-19
[86] 2021-11-02 (PCT/US2021/057714)
[87] (WO2022/098648)
[30] US (63/109,781) 2020-11-04
[30] US (63/188,695) 2021-05-14

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[51] Int.Cl. C07D 401/14 (2006.01) A61K 31/4375 (2006.01) A61P 1/16 (2006.01) A61P 3/10 (2006.01) A61P 17/06 (2006.01) C07D 471/04 (2006.01)
[25] EN
[54] LANCL LIGANDS
[54] LIGANDS LANCL
[72] BASSAGANYA-RIERA, JOSEP, US
[72] LEBER, ANDREW, US
[72] HONTECILLAS, RAQUEL, US
[71] NIMMUNE BIOPHARMA, INC., US
[85] 2023-04-19
[86] 2021-10-20 (PCT/US2021/055874)
[87] (WO2022/087146)
[30] US (63/104,109) 2020-10-22

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[51] Int.Cl. B23K 26/00 (2014.01) B23K 26/342 (2014.01) B28B 1/00 (2006.01)
[25] EN
[54] SYSTEMS AND METHODS FOR SELECTIVE LASER SINTERING OF SILICON NITRIDE AND METAL COMPOSITES
[54] SYSTEMES ET PROCEDES DE FRITTAGE LASER SELECTIF DE NITRURE DE SILICIUM ET DE COMPOSITES METALLIQUES
[72] MCENTIRE, BRYAN J., US
[72] BAL, BHAJANJIT SINGH, US
[72] BOCK, RYAN M., US
[71] SINTX TECHNOLOGIES, INC., US
[85] 2023-04-19
[86] 2021-10-25 (PCT/US2021/056461)
[87] (WO2022/087525)
[30] US (63/104,823) 2020-10-23

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[51] Int.Cl. D01F 9/145 (2006.01) D01F 9/15 (2006.01) D01F 9/155 (2006.01) D01F 9/32 (2006.01)
[25] EN
[54] PITCH COMPOSITIONS FOR SPINNING INTO CARBON ARTICLES AND METHODS RELATING THERETO
[54] COMPOSITIONS DE BRAI DESTINEES A ETRE FILEES EN ARTICLES EN CARBONE ET PROCEDES ASSOCIES
[72] SMITH, STUART E., US
[72] FERRY, WILLIAM M., US
[72] EDMOND, KAZEM V., US
[72] GOPINADHAN, MANESH, US
[72] ALVAREZ, NICOLAS J., US
[72] YOON, HEEDONG, US
[72] CHASE, CLARENCE E., US
[72] RYAN, DANIEL J., US
[71] EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY, US
[85] 2023-04-19
[86] 2021-11-10 (PCT/US2021/072316)
[87] (WO2022/109523)
[30] US (63/116,598) 2020-11-20

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<p>[21] 3,196,238 [13] A1</p> <p>[51] Int.Cl. C12N 15/82 (2006.01)</p> <p>[25] EN</p> <p>[54] PLANT REGULATORY ELEMENTS AND USES THEREOF FOR AUTOEXCISION</p> <p>[54] ELEMENTS REGULATEURS DE PLANTE ET UTILISATIONS ASSOCIEES POUR L'AUTOEXCISION</p> <p>[72] TO, POKCHUN JENNIFER, US</p> <p>[72] VAGHCHHIPAWALA, ZARIR, US</p> <p>[72] YE, XUDONG, US</p> <p>[71] MONSANTO TECHNOLOGY LLC, US</p> <p>[85] 2023-04-19</p> <p>[86] 2021-10-19 (PCT/US2021/055596)</p> <p>[87] (WO2022/086951)</p> <p>[30] US (63/093,893) 2020-10-20</p>

<p>[21] 3,196,239 [13] A1</p> <p>[51] Int.Cl. A61K 35/17 (2015.01) A61K 38/46 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS OF ADMINISTERING GENETICALLY MODIFIED B CELLS FOR IN VIVO DELIVERY OF THERAPEUTIC AGENTS</p> <p>[54] METHODES D'ADMINISTRATION DE LYMPHOCYTES B GENETIQUEMENT MODIFIES POUR L'ADMINISTRATION IN VIVO D'AGENTS THERAPEUTIQUES</p> <p>[72] HAMPE, CHRISTIANE S., US</p> <p>[71] IMMUSOFT CORPORATION, US</p> <p>[85] 2023-04-19</p> <p>[86] 2021-10-29 (PCT/US2021/057363)</p> <p>[87] (WO2022/094284)</p> <p>[30] US (63/107,992) 2020-10-30</p>

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- [25] EN
- [54] HOT RUNNER SYSTEM
- [54] SYSTEME DE CANAL CHAUFFANT
- [72] JACOB, KENNETH, US
- [72] SCHUNCK, RALF, DE
- [71] MOLD-MASTERS (2007) LIMITED, CA
- [85] 2023-04-19
- [86] 2021-12-03 (PCT/US2021/061731)
- [87] (WO2022/120122)
- [30] US (63/121,294) 2020-12-04

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- [51] Int.Cl. G06F 3/039 (2013.01) G06F 3/044 (2006.01)
- [25] FR
- [54] DATA INPUT DEVICE DESIGNED TO BE AFFIXED TO A TOUCH SCREEN OF A TERMINAL AND CORRESPONDING INPUT METHOD
- [54] DISPOSITIF DE SAISIE DE DONNEES DESTINE A ETRE APPOSE SUR UNE DALLE TACTILE D'UN TERMINAL ET PROCEDE DE SAISIE CORRESPONDANT
- [72] PAVAGEAU, STEPHANE, FR
- [72] COUSSIEU, ALAIN, FR
- [72] BLANC, OLIVIER, FR
- [71] BANKS AND ACQUIRERS INTERNATIONAL HOLDING, FR
- [85] 2023-04-19
- [86] 2021-10-29 (PCT/EP2021/080215)
- [87] (WO2022/090517)
- [30] FR (FR2011165) 2020-10-30

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- [51] Int.Cl. A61K 38/19 (2006.01) A61K 39/00 (2006.01) A61K 39/12 (2006.01) A61P 3/04 (2006.01)
- [25] EN
- [54] VACCINE COMPOSITION OR KIT FOR REDUCING SIZE OR VOLUME OF TARGET TISSUE, CONTAINING GENETIC MATERIAL THAT ENCODES FOREIGN ANTIGEN
- [54] COMPOSITION DE VACCIN OU KIT DESTINE A REDUIRE LA TAILLE OU LE VOLUME D'UN TISSU CIBLE, CONTENANT UN MATERIEL GENETIQUE QUI CODE POUR UN ANTIGENE ETRANGER

[72] KIM, EUN-SOM, KR

[72] SEO, KI-WEON, KR

[72] HONG, SEUNG-HYE, KR

[72] KWON, TEAWOO, KR

[72] KIM, HUN, KR

[72] LEE, SUJEEN, KR

[71] SK BIOSCIENCE CO., LTD., KR

[85] 2023-04-20

[86] 2021-10-22 (PCT/KR2021/014976)

[87] (WO2022/086300)

[30] KR (10-2020-0138615) 2020-10-23

[21] 3,196,321

[13] A1

- [51] Int.Cl. G06N 5/04 (2023.01) G06N 20/00 (2019.01) G06N 5/02 (2023.01)
- [25] EN
- [54] A COMPUTER-IMPLEMENTED METHOD FOR DERIVING A DATA PROCESSING AND INFERENCE PIPELINE

- [54] PROCEDE MIS EN ?UVRE PAR ORDINATEUR POUR DERIVER UN PIPELINE DE TRAITEMENT ET D'INFERENCE DE DONNEES

[72] ALEXANDER, RACHEL, BE

[72] VAN DEN BROECK, WOUTER, BE

[71] OMINA TECHNOLOGIES BV, BE

[85] 2023-04-20

[86] 2021-10-18 (PCT/EP2021/078833)

[87] (WO2022/084261)

[30] EP (20203454.2) 2020-10-22

[21] 3,196,330

[13] A1

- [51] Int.Cl. F03B 17/06 (2006.01)
- [25] EN
- [54] AN UNDERWATER POWER PLANT COMPRISING ASYMMETRIC FOILS
- [54] CENTRALE ELECTRIQUE SOUS-MARINE COMPRENNANT DES FEUILLES ASYMETRIQUES
- [72] BORGESEN, ARE, NO
- [71] TIDAL SAILS AS, NO
- [85] 2023-04-20
- [86] 2021-10-18 (PCT/NO2021/050216)
- [87] (WO2022/086339)
- [30] NO (20201132) 2020-10-20

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- [51] Int.Cl. B22D 19/00 (2006.01) E02F 9/28 (2006.01) F16B 21/02 (2006.01) F16B 21/16 (2006.01)
- [25] EN
- [54] WEAR ASSEMBLY
- [54] ENSEMBLE D'USURE
- [72] EDMONDS, CHRISTOPHER DAVID, AU
- [72] BRISCOE, TERRY L., US
- [72] SCRIVEN, ADAM, AU
- [71] BRADKEN RESOURCES PTY LIMITED, AU
- [85] 2023-04-20
- [86] 2021-08-25 (PCT/AU2021/050972)
- [87] (WO2022/082252)
- [30] AU (2020903796) 2020-10-20
- [30] AU (2021901737) 2021-06-09

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- [51] Int.Cl. G16B 20/20 (2019.01) G16B 30/00 (2019.01) G16B 40/20 (2019.01) G06N 3/02 (2006.01)
- [25] EN
- [54] DETECTION OF DELETIONS IN OLIGONUCLEOTIDE SEQUENCES
- [54] DETECTION DE DELETIONS DANS DES SEQUENCES OLIGONUCLEOTIDIQUES
- [72] WONG, TED, AU
- [72] SU, ZHENG, AU
- [72] KEON, MATTHEW, AU
- [72] GUENNEWIG, BORIS, AU
- [71] GENIEUS GENOMICS PTY LTD, AU
- [85] 2023-04-20
- [86] 2021-10-20 (PCT/AU2021/051220)
- [87] (WO2022/082262)
- [30] AU (2020903839) 2020-10-23

Demandes PCT entrant en phase nationale

<p style="text-align: right;">[21] 3,196,340</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A01G 3/08 (2006.01) A01G 23/06 (2006.01)</p> <p>[25] EN</p> <p>[54] BRUSH CUTTER ROTOR</p> <p>[54] ROTOR DE DEBROUSSAILLEUSE</p> <p>[72] D'AMOURS, LUC, CA</p> <p>[72] AKBARI, MAHMOOD, CA</p> <p>[71] 9422-8053 QUEBEC INC., CA</p> <p>[85] 2023-04-20</p> <p>[86] 2021-11-04 (PCT/CA2021/051573)</p> <p>[87] (WO2022/094715)</p> <p>[30] US (63/109,621) 2020-11-04</p>

<p style="text-align: right;">[21] 3,196,347</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 9/127 (2006.01) C12N 5/078 (2010.01) C12N 5/0789 (2010.01) C07K 14/71 (2006.01)</p> <p>[25] EN</p> <p>[54] COMPOSITIONS AND METHODS RELATED TO MEGAKARYOCYTE-DERIVED EXTRACELLULAR VESICLES FOR TREATING MYELOPROLIFERATIVE NEOPLASMS</p> <p>[54] COMPOSITIONS ET METHODES ASSOCIEES A DES VESICULES EXTRACELLULAIRES DERIVEES DE MEGACARYOCYTES POUR LE TRAITEMENT DE NEOPLASMES MYELOPROLIFERATIFS (MPN)</p> <p>[72] THON, JONATHAN, US</p> <p>[71] STRM.BIO INCORPORATED, US</p> <p>[71] STRM.BIO INCORPORATED, US</p> <p>[85] 2023-04-20</p> <p>[86] 2021-10-23 (PCT/US2021/056377)</p> <p>[87] (WO2022/087505)</p> <p>[30] US (63/104,769) 2020-10-23</p> <p>[30] US (63/173,735) 2021-04-12</p> <p>[30] US (63/209,084) 2021-06-10</p>

<p style="text-align: right;">[21] 3,196,348</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06N 20/00 (2019.01) G06N 5/02 (2023.01)</p> <p>[25] EN</p> <p>[54] APPARATUS AND METHODS FOR ARTIFICIAL INTELLIGENCE MODEL MANAGEMENT</p> <p>[54] APPAREIL ET PROCEDES DESTINES A LA GESTION DE MODELE D'INTELLIGENCE ARTIFICIELLE</p> <p>[72] BRUCE, DANIEL WILLIAM, US</p> <p>[72] VALDARRAMA DEL PINO, SANTIAGO LUIS, US</p> <p>[71] LEVATAS INC., US</p> <p>[85] 2023-04-20</p> <p>[86] 2021-10-22 (PCT/US2021/056169)</p> <p>[87] (WO2022/087351)</p> <p>[30] US (63/104,807) 2020-10-23</p>

<p style="text-align: right;">[21] 3,196,349</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. F16L 25/00 (2006.01)</p> <p>[25] EN</p> <p>[54] CONNECTION DEVICE FOR A PERIPHERALLY RIBBED PIPE</p> <p>[54] DISPOSITIF DE RACCORDEMENT POUR UN tuyau A NERVURES PERIPHERIQUES</p> <p>[72] IRANYI, DANIEL, CH</p> <p>[72] SCHNELLER, RETO, ES</p> <p>[72] WERNER, UWE, CH</p> <p>[71] VIESSMANN CLIMATE SOLUTIONS SE, DE</p> <p>[85] 2023-04-20</p> <p>[86] 2021-10-27 (PCT/EP2021/079832)</p> <p>[87] (WO2022/101016)</p> <p>[30] EP (20206703.9) 2020-11-10</p>

<p style="text-align: right;">[21] 3,196,350</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B25J 9/00 (2006.01) B25J 9/16 (2006.01) B25J 11/00 (2006.01) B27B 5/18 (2006.01) B27B 15/00 (2006.01) B27B 15/08 (2006.01) B27B 17/00 (2006.01)</p> <p>[25] EN</p> <p>[54] ROBOTIC CHOPSAW OR MERCHANTISER</p> <p>[54] SCIE A DEBITER OU PRESENTOIR ROBOTISES</p> <p>[72] BRINKMEYER, MARC, US</p> <p>[72] KOSMICKI, CHAD, US</p> <p>[72] FROMM, JEREMY, US</p> <p>[72] GOMEZ, ALEX, US</p> <p>[71] IDAHO FOREST GROUP, LLC, US</p> <p>[85] 2023-04-20</p> <p>[86] 2021-10-18 (PCT/US2021/055487)</p> <p>[87] (WO2022/086884)</p> <p>[30] US (63/094,166) 2020-10-20</p> <p>[30] US (17/501,927) 2021-10-14</p>

<p style="text-align: right;">[21] 3,196,351</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G01N 27/623 (2021.01) H01J 49/00 (2006.01) H01J 49/02 (2006.01)</p> <p>[25] EN</p> <p>[54] QUANTIFICATION OF PREVIOUSLY UNDETECTABLE QUANTITIES</p> <p>[54] QUANTIFICATION DE QUANTITES AUPARAVANT INDETECTABLES</p> <p>[72] KINGSTON, HOWARD M., US</p> <p>[72] PUMUCKU, MEHMET, US</p> <p>[72] PUMUKCU, MEHMET, US</p> <p>[72] PUMUKCU, MEHMET, US</p> <p>[71] DEFINITEK, INC., US</p> <p>[71] KINGSTON, HOWARD M., US</p> <p>[71] PUMUKCU, MEHMET, US</p> <p>[85] 2023-04-20</p> <p>[86] 2021-10-15 (PCT/US2021/055242)</p> <p>[87] (WO2022/086819)</p> <p>[30] US (63/093,881) 2020-10-20</p>

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- [51] Int.Cl. C10L 3/10 (2006.01)
 - [25] EN
 - [54] POLYMER SEPARATION MEMBRANE FOR PURIFYING METHANE
 - [54] MEMBRANE ELASTOMERE ET SON UTILISATION POUR LA PURIFICATION DE METHANE
 - [72] MAKARUK, ALEXANDER, AT
 - [71] AXIOM ANGEWANDTE PROZESSTECHNIK GES.M.B.H., AT
 - [85] 2023-04-20
 - [86] 2021-10-21 (PCT/EP2021/079207)
 - [87] (WO2022/084445)
 - [30] AT (A60315/2020) 2020-10-22
 - [30] EP (21157181.5) 2021-02-15
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- [51] Int.Cl. C07C 29/48 (2006.01) C01B 15/023 (2006.01) C07C 5/333 (2006.01) C07C 31/20 (2006.01)
 - [25] EN
 - [54] A PROCESS FOR PREPARING 1,2-PROPANEDIOL FROM PROPANE
 - [54] PROCEDE DE PREPARATION DE 1,2-PROPANEDIOL A PARTIR DE PROPANE
 - [72] BOLZ, DAVID, DE
 - [72] WIEDERHOLD, HOLGER, DE
 - [71] EVONIK OPERATIONS GMBH, DE
 - [85] 2023-04-20
 - [86] 2021-10-07 (PCT/EP2021/077652)
 - [87] (WO2022/084048)
 - [30] EP (20203009.4) 2020-10-21
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- [51] Int.Cl. C08L 75/06 (2006.01) C08K 5/11 (2006.01)
 - [25] EN
 - [54] PLASTICIZER LIGNIN COMPOSITIONS
 - [54] COMPOSITIONS DE PLASTIFIANT ET DE LIGNINE
 - [72] ROBINSON, JASON JAMES, CA
 - [72] GHALIA, MUSTAFA ABU, CA
 - [72] VICOL, RADU LUCIAN, CA
 - [72] SACRIPANTE, GUERINO G, CA
 - [71] EVOCO LIMITED, CA
 - [85] 2023-04-20
 - [86] 2021-11-26 (PCT/CA2021/051693)
 - [87] (WO2022/126242)
 - [30] US (17/126,426) 2020-12-18
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- [51] Int.Cl. C11D 3/386 (2006.01)
 - [25] EN
 - [54] CLEANING COMPOSITIONS CONTAINING ALGINATE LYASE ENZYMES
 - [54] COMPOSITIONS NETTOYANTES CONTENANT DES ENZYMES ALGINATE LYASES
 - [72] JONES, CATHERINE, GB
 - [72] LANT, NEIL JOSEPH, GB
 - [72] MOMIN, NAZARMOHAMMAD GULAMHUSSAIN, GB
 - [72] MORALES GARCIA, ANA L., GB
 - [72] VALENTINI, ALESSANDRA, GB
 - [72] WILLATS, WILLIAM G. T., GB
 - [72] YAU, HAMISH CHUN LAM, GB
 - [71] THE PROCTER & GAMBLE COMPANY, US
 - [85] 2023-04-20
 - [86] 2021-10-29 (PCT/US2021/072097)
 - [87] (WO2022/094588)
 - [30] EP (20204791.6) 2020-10-29
 - [30] EP (20204794.0) 2020-10-29
 - [30] EP (20204795.7) 2020-10-29
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- [51] Int.Cl. A61K 33/40 (2006.01) A61K 38/44 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01)
 - [25] EN
 - [54] COMPOSITIONS AND METHODS FOR TREATING SOLID CANCER
 - [54] COMPOSITIONS ET METHODES DE TRAITEMENT DE CANCER SOLIDE
 - [72] ALLEN, ROBERT C., US
 - [72] STEPHENS, JR. JACKSON T., US
 - [71] EXOXEMIS, INC., US
 - [85] 2023-04-20
 - [86] 2021-10-01 (PCT/US2021/053155)
 - [87] (WO2022/103515)
 - [30] US (63/112,447) 2020-11-11
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[13] A1

- [51] Int.Cl. C07D 257/02 (2006.01) A61K 47/60 (2017.01) A61K 47/62 (2017.01) A61K 47/64 (2017.01) A61K 47/68 (2017.01) A61K 51/04 (2006.01)
 - [25] EN
 - [54] METHOD FOR PRODUCING RADIOACTIVE ZIRCONIUM COMPLEX
 - [54] PROCEDE DE PRODUCTION D'UN COMPLEXE DE ZIRCONIUM RADIOACTIF
 - [72] TAKEMORI, HIDEAKI, JP
 - [72] ICHIKAWA, HIROAKI, JP
 - [72] KAWATANI, MINORU, JP
 - [72] IZAWA, AKIHIRO, JP
 - [72] IMAI, TOMOYUKI, JP
 - [71] NIHON MEDI-PHYSICS CO., LTD., JP
 - [85] 2023-04-20
 - [86] 2021-10-14 (PCT/JP2021/038135)
 - [87] (WO2022/085570)
 - [30] JP (2020-177566) 2020-10-22
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[13] A1

- [51] Int.Cl. C07K 16/28 (2006.01) C12Q 1/6886 (2018.01) A61P 35/02 (2006.01)
- [25] EN
- [54] METHODS FOR DIAGNOSING OR TREATING HEALTH CONDITIONS OR OPTIMIZING THERAPEUTIC EFFICACY OF CAR-T CELLS THERAPIES
- [54] METHODES DE DIAGNOSTIC OU DE TRAITEMENT D'ETATS DE SANTE OU D'OPTIMISATION DE L'EFFICACITE THERAPEUTIQUE DE THERAPIES PAR CELLULES CAR-T
- [72] MOUNT, CHRISTOPHER, US
- [72] MIKLOS, DAVID B., US
- [72] FRANK, MATTHEW, US
- [72] NATKUNAM, YASODHA, US
- [72] ALIZADEH, ARASH ASH, US
- [72] KURTZ, DAVID M., US
- [72] MAJZNER, ROBBIE, US
- [72] MACKALL, CRYSTAL L., US
- [72] MONJE-DEISSEROOTH, MICHELLE, US
- [72] SWORDER, BRIAN, US
- [71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
- [85] 2023-04-20
- [86] 2021-11-04 (PCT/US2021/058102)
- [87] (WO2022/098903)
- [30] US (63/109,611) 2020-11-04

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<p>[21] 3,196,361 [13] A1</p> <p>[51] Int.Cl. C11D 3/386 (2006.01)</p> <p>[25] EN</p> <p>[54] CLEANING COMPOSITIONS CONTAINING ALGINASE ENZYMES</p> <p>[54] COMPOSITIONS NETTOYANTES CONTENANT DES ENZYME ALGINATE</p> <p>[72] JONES, CATHERINE, GB</p> <p>[72] LANT, NEIL JOSEPH, GB</p> <p>[72] MOMIN, NAZARMOHAMMAD GULAMHUSSAIN, GB</p> <p>[72] MORALES GARCIA, ANA L., GB</p> <p>[72] VALENTINI, ALESSANDRA, GB</p> <p>[72] WILLATS, WILLIAM G. T., GB</p> <p>[72] YAU, HAMISH CHUN LAM, GB</p> <p>[71] THE PROCTER & GAMBLE COMPANY, US</p> <p>[85] 2023-04-20</p> <p>[86] 2021-10-29 (PCT/US2021/072098)</p> <p>[87] (WO2022/094589)</p> <p>[30] EP (20204791.6) 2020-10-29</p> <p>[30] EP (20204794.0) 2020-10-29</p> <p>[30] EP (20204795.7) 2020-10-29</p>

<p>[21] 3,196,362 [13] A1</p> <p>[51] Int.Cl. A61K 31/423 (2006.01) A61K 39/395 (2006.01) A61P 19/00 (2006.01) C07D 263/58 (2006.01) C07K 16/24 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS OF TREATING SPONDYLOARTHRITIS OR SYMPTOMS THEREOF</p> <p>[54] METHODES DE TRAITEMENT DE LA SPONDYLARTHRITE OU DE SES SYMPTOMES</p> <p>[72] HAROON, NIGIL, CA</p> <p>[72] NAKAMURA, AKIHIRO, CA</p> <p>[71] UNIVERSITY HEALTH NETWORK (UHN), CA</p> <p>[85] 2023-04-20</p> <p>[86] 2021-10-19 (PCT/CA2021/051470)</p> <p>[87] (WO2022/087719)</p> <p>[30] US (63/106,859) 2020-10-28</p>

<p>[21] 3,196,363 [13] A1</p> <p>[51] Int.Cl. C11D 3/386 (2006.01)</p> <p>[25] EN</p> <p>[54] CLEANING COMPOSITIONS CONTAINING ALGINATE LYASE ENZYMES</p> <p>[54] COMPOSITIONS NETTOYANTES CONTENANT DES ENZYMES ALGINATE LYASES</p> <p>[72] JONES, CATHERINE, GB</p> <p>[72] LANT, NEIL JOSEPH, GB</p> <p>[72] MOMIN, NAZARMOHAMMAD GULAMHUSSAIN, GB</p> <p>[72] MORALES GARCIA, ANA L., GB</p> <p>[72] VALENTINI, ALESSANDRA, GB</p> <p>[72] WILLATS, WILLIAM G. T., GB</p> <p>[72] YAU, HAMISH CHUN LAM, GB</p> <p>[71] THE PROCTER & GAMBLE COMPANY, US</p> <p>[85] 2023-04-20</p> <p>[86] 2021-10-29 (PCT/US2021/072100)</p> <p>[87] (WO2022/094590)</p> <p>[30] EP (20204791.6) 2020-10-29</p> <p>[30] EP (20204794.0) 2020-10-29</p> <p>[30] EP (20204795.7) 2020-10-29</p>

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<p>[21] 3,196,366 [13] A1</p> <p>[51] Int.Cl. B23B 27/04 (2006.01)</p> <p>[25] EN</p> <p>[54] CUTTING INSERT FOR RECESS MACHINING, CUTTING INSERT KIT HAVING TWO SUCH CUTTING INSERTS, CUTTING INSERT HOLDER FOR SUCH CUTTING INSERTS, AND METHOD FOR PRODUCING A RECESS</p> <p>[54] PLAQUETTE DE COUPE POUR USINAGE D'ENTAILLE, KIT DE PLAQUETTES DE COUPE COMPRENANT DEUX DESDITES PLAQUETTES DE COUPE, SUPPORT DE PLAQUETTE DE COUPE POUR DE TELLES PLAQUETTES DE COUPE, ET PROCEDE POUR PRODUIRE UNE ENTAILL</p> <p>[72] BAUMANN, WOLFGANG, DE</p> <p>[72] GRAUPEL, TOBIAS, DE</p> <p>[71] MAPAL FABRIK FUER PRAEZISIONSWERKZEUGE DR. KRESS KG, DE</p> <p>[85] 2023-04-20</p> <p>[86] 2021-11-25 (PCT/EP2021/083054)</p> <p>[87] (WO2022/112447)</p> <p>[30] DE (10 2020 214 901.1) 2020-11-26</p>

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 - [25] EN
 - [54] MACROCYCLIC K-RAS G12C INHIBITOR, PREPARATION METHOD THEREFOR AND USE THEREOF
 - [54] INHIBITEUR MACROCYCLIQUE DE K-RAS G12C, SON PROCEDE DE PREPARATION ET SON UTILISATION
 - [72] XUN, GUOLIANG, CN
 - [72] YU, HONGPING, CN
 - [72] CHEN, ZHUI, CN
 - [72] XU, YAOCHANG, CN
 - [71] ABBIKO THERAPEUTICS CO., LTD., CN
 - [85] 2023-04-20
 - [86] 2021-10-18 (PCT/CN2021/124469)
 - [87] (WO2022/134773)
 - [30] CN (202011518497.8) 2020-12-21
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- [51] Int.Cl. F04B 47/08 (2006.01) F04B 9/113 (2006.01) F04B 49/035 (2006.01) F04B 53/14 (2006.01)
- [25] EN
- [54] HYDRAULICALLY ACTUATED DOUBLE-ACTING POSITIVE DISPLACEMENT PUMP SYSTEM FOR PRODUCING FLUIDS FROM A WELLBORE
- [54] SYSTEME DE POMPE A DEPLACEMENT POSITIF, A DOUBLE ACTION ET A ACTIONNEMENT HYDRAULIQUE, PERMETTANT DE PRODUIRE DES FLUIDES A PARTIR D'UN PUITS DE FORAGE
- [72] DING, YUCHANG (BOB), CA
- [72] HUGHES, JOHN, CA
- [72] CHENG, GARY, CA
- [71] PMC PUMPS INC., CA
- [85] 2023-04-20
- [86] 2021-10-22 (PCT/CA2021/051494)
- [87] (WO2022/082319)
- [30] CA (3,098,027) 2020-10-23

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 - [25] EN
 - [54] PROCESS FOR PURIFYING NOROXYMORPHONE
 - [54] PROCEDE DE PURIFICATION DE NOXYMORPHONE
 - [72] HUNTLEY, C. FREDERICK M., US
 - [71] RHODES TECHNOLOGIES, US
 - [85] 2023-04-20
 - [86] 2021-11-02 (PCT/US2021/057737)
 - [87] (WO2022/094470)
 - [30] US (63/108,676) 2020-11-02
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- [54] EUTECTIC MATRIX FOR NUTRACEUTICAL COMPOSITIONS

[54] MATRICE EUTECTIQUE POUR COMPOSITIONS NUTRACEUTIQUES

- [72] GAHLER, ROLAND JACQUES, CA
- [72] WOOD, SIMON, CA
- [72] CHANG, CHUCK, CA
- [72] KUO, YUN CHAI, CA
- [71] INOVOBIOLOGIC, INC., CA
- [85] 2023-04-20
- [86] 2021-12-02 (PCT/CA2021/051722)
- [87] (WO2022/115953)
- [30] US (63/121,714) 2020-12-04

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- [51] Int.Cl. C11D 3/386 (2006.01)
 - [25] EN
 - [54] CLEANING COMPOSITION COMPRISING ALGINATE LYASE ENZYMES
 - [54] COMPOSITION DE NETTOYAGE COMPRENANT DES ENZYMES ALGINATE LYASES
 - [72] JONES, CATHERINE, GB
 - [72] LANT, NEIL JOSEPH, GB
 - [72] MOMIN, NAZARMOHAMMAD GULAMHUSSAIN, GB
 - [72] MORALES GARCIA, ANA L., GB
 - [72] VALENTINI, ALESSANDRA, GB
 - [72] WILLATS, WILLIAM G. T., GB
 - [72] YAU, HAMISH CHUN LAM, GB
 - [71] THE PROCTER & GAMBLE COMPANY, US
 - [85] 2023-04-20
 - [86] 2021-10-29 (PCT/US2021/057167)
 - [87] (WO2022/094163)
 - [30] EP (20204791.6) 2020-10-29
 - [30] EP (20204794.0) 2020-10-29
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- [54] THREE DIMENSIONAL MATTRESS SYSTEM WITH ENVIRONMENT CONTROL

[54] SYSTEME DE MATELAS TRIDIMENSIONNEL A COMMANDE DE L'ENVIRONNEMENT

- [72] CHAMBERS, GEORGE ALLEN, US
- [71] CHAMBERS, GEORGE ALLEN, US
- [85] 2023-04-20
- [86] 2021-10-11 (PCT/IB2021/059287)
- [87] (WO2022/084798)
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<p>[21] 3,196,374 [13] A1</p> <p>[51] Int.Cl. A61B 17/32 (2006.01)</p> <p>[25] EN</p> <p>[54] ULTRASONIC SCALPEL HANDLE</p> <p>[54] POIGNEE DE SCALPEL A ULTRASONS</p> <p>[72] ZHANG, JUN, CN</p> <p>[71] ENSURGE MEDICAL (SUZHOU) CO., LTD., CN</p> <p>[85] 2023-04-20</p> <p>[86] 2021-10-22 (PCT/CN2021/125624)</p> <p>[87] (WO2022/095727)</p> <p>[30] CN (202011212999.8) 2020-11-04</p> <p>[30] CN (202120458579.1) 2021-03-03</p> <p>[30] CN (202110756263.5) 2021-07-05</p>

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<p>[21] 3,196,376 [13] A1</p> <p>[51] Int.Cl. B60R 9/04 (2006.01)</p> <p>[25] EN</p> <p>[54] ROOF RAIL FOR A MOTOR VEHICLE, MOTOR VEHICLE AND METHOD FOR MOUNTING A ROOF RAIL ON A ROOF OF A MOTOR VEHICLE</p> <p>[54] GALERIE DE TOIT POUR UN VEHICULE MOTORISE, VEHICULE MOTORISE ET PROCEDE DE MONTAGE D'UNE GALERIE DE TOIT SUR UN TOIT D'UN VEHICULE MOTORISE</p> <p>[72] SIRRENBERG, STEFAN, DE</p> <p>[72] VETTER, ROLF, DE</p> <p>[71] FYSAM AUTO DECORATIVE GMBH, DE</p> <p>[85] 2023-04-20</p> <p>[86] 2021-12-09 (PCT/EP2021/085077)</p> <p>[87] (WO2022/122972)</p> <p>[30] DE (10 2020 133 147.9) 2020-12-11</p>

<p>[21] 3,196,378 [13] A1</p> <p>[51] Int.Cl. A61B 17/43 (2006.01) C12N 5/076 (2010.01) A61K 31/69 (2006.01) A61K 35/00 (2006.01) A61P 15/08 (2006.01)</p> <p>[25] EN</p> <p>[54] METABOLIC ACTIVATORS FOR ENHANCING SPERM CAPACITATION IN MAMMALS</p> <p>[54] ACTIVATEURS METABOLIQUES POUR AMELIORER LA CAPACITATION DU SPERME CHEZ LES MAMMIFERES</p> <p>[72] GOUVEIA ALVES, MARCO AURELIO, PT</p> <p>[72] FONTES OLIVEIRA, CARLOS PEDRO, PT</p> <p>[72] MARTIN HIDALGO, DAVID, PT</p> <p>[71] UNIVERSIDADE DO PORTO, PT</p> <p>[85] 2023-04-20</p> <p>[86] 2021-10-20 (PCT/IB2021/059686)</p> <p>[87] (WO2022/084889)</p> <p>[30] PT (116847) 2020-10-22</p>

<p>[21] 3,196,377 [13] A1</p> <p>[51] Int.Cl. E21B 49/00 (2006.01)</p> <p>[25] EN</p> <p>[54] INTELLIGENTLY CHARACTERIZING RESERVOIRS VIA FLUORESCENT IMAGING ROCK CUTTINGS</p> <p>[54] CARACTERISATION INTELLIGENTE DE RESERVOIRS PAR IMAGERIE FLUORESCENTE DE DEBRIS DE ROCHE</p> <p>[72] KATTERBAUER, KLEMENS, SA</p> <p>[72] MARSALA, ALBERTO, SA</p> <p>[72] JABRI, NOUF, SA</p> <p>[72] SOLOVYEVA, VERA, RU</p> <p>[71] SAUDI ARABIAN OIL COMPANY, SA</p> <p>[85] 2023-04-20</p> <p>[86] 2021-10-20 (PCT/US2021/055708)</p> <p>[87] (WO2022/087037)</p> <p>[30] US (17/075,285) 2020-10-20</p>

<p>[21] 3,196,379 [13] A1</p> <p>[51] Int.Cl. E21B 23/06 (2006.01) E21B 33/126 (2006.01) E21B 33/128 (2006.01) E21B 34/06 (2006.01)</p> <p>[25] EN</p> <p>[54] 3D PRINTED BARREL SLIP</p> <p>[54] COIN DE RETENUE IMPRIME EN 3D</p> <p>[72] FRIPP, MICHAEL LINLEY, US</p> <p>[72] APICHARTTHABRUT, TERAPAT, US</p> <p>[72] MURPHY, ROBERT TRAVIS, US</p> <p>[71] HALLIBURTON ENERGY SERVICES, INC., US</p> <p>[85] 2023-04-20</p> <p>[86] 2020-12-30 (PCT/US2020/067542)</p> <p>[87] (WO2022/139854)</p> <p>[30] US (17/132,924) 2020-12-23</p>

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<p>[21] 3,196,381 [13] A1</p> <p>[51] Int.Cl. E21B 17/043 (2006.01) E21B 17/046 (2006.01)</p> <p>[25] EN</p> <p>[54] MECHANICAL LOCKING SYSTEM TO ELIMINATE MOVEMENT BETWEEN DOWNHOLE COMPONENTS</p> <p>[54] SYSTEME DE VERROUILLAGE MECANIQUE PERMETTANT D'ELIMINER LE MOUVEMENT ENTRE DES ELEMENTS DE FOND DE TROU</p> <p>[72] BREAUX, BRIAN DAVID, US</p> <p>[72] COBB, JAMES HOWELL, US</p> <p>[72] FINKE, MICHAEL DEWAYNE, US</p> <p>[71] HALLIBURTON ENERGY SERVICES, INC., US</p> <p>[85] 2023-04-20</p> <p>[86] 2021-01-12 (PCT/US2021/013128)</p> <p>[87] (WO2022/146455)</p> <p>[30] US (17/140,391) 2021-01-04</p>

<p>[21] 3,196,382 [13] A1</p> <p>[51] Int.Cl. G01N 23/046 (2018.01) G06T 11/00 (2006.01) G06T 17/00 (2006.01)</p> <p>[25] EN</p> <p>[54] PARTITIONING OF PORES AND THROATS IN 2D AND 3D DIGITAL TOMOGRAPHIC REPRESENTATIONS</p> <p>[54] PARTITIONNEMENT DE PORES ET D'ETRANGLEMENTS DANS DES REPRESENTATIONS TOMOGRAPHIQUES NUMERIQUES 2D ET 3D</p> <p>[72] TOELKE, JONAS, US</p> <p>[72] DE ALMEIDA MAXIMO, ANDRE, US</p> <p>[72] PROCTOR, JACOB, US</p> <p>[71] HALLIBURTON ENERGY SERVICES, INC., US</p> <p>[85] 2023-04-20</p> <p>[86] 2021-06-04 (PCT/US2021/035897)</p> <p>[87] (WO2022/159134)</p> <p>[30] US (63/138,998) 2021-01-19</p> <p>[30] US (17/339,207) 2021-06-04</p>

<p>[21] 3,196,385 [13] A1</p> <p>[51] Int.Cl. C07D 209/52 (2006.01) C07D 401/14 (2006.01) C07D 403/04 (2006.01)</p> <p>[25] EN</p> <p>[54] HDAC INHIBITOR SOLID STATE FORMS</p> <p>[54] FORMES A L'ETAT SOLIDE D'INHIBITEUR DE HDAC</p> <p>[72] DENG, XIAOHU, US</p> <p>[72] MAI, WANPING, US</p> <p>[72] MCRAE, ROBERT C., US</p> <p>[72] NADJSOMBATI, BILJANA, US</p> <p>[71] VIRACTA SUBSIDIARY, INC., US</p> <p>[85] 2023-04-20</p> <p>[86] 2021-10-28 (PCT/US2021/057106)</p> <p>[87] (WO2022/094122)</p> <p>[30] US (63/106,811) 2020-10-28</p>

<p>[21] 3,196,386 [13] A1</p> <p>[51] Int.Cl. A61B 17/32 (2006.01)</p> <p>[25] EN</p> <p>[54] ULTRASONIC SCALPEL HANDLE, ULTRASONIC SCALPEL AND ULTRASONIC SCALPEL SYSTEM</p> <p>[54] MANCHE DE SCALPEL A ULTRASONS, SCALPEL A ULTRASONS ET SYSTEME DE SCALPEL A ULTRASONS</p> <p>[72] ZHANG, JUN, CN</p> <p>[71] ENSURGE MEDICAL (SUZHOU) CO., LTD., CN</p> <p>[85] 2023-04-20</p> <p>[86] 2021-10-22 (PCT/CN2021/125632)</p> <p>[87] (WO2022/095728)</p> <p>[30] CN (202011212999.8) 2020-11-04</p> <p>[30] CN (202120458579.1) 2021-03-03</p> <p>[30] CN (202110721818.2) 2021-06-28</p>

<p>[21] 3,196,387 [13] A1</p> <p>[51] Int.Cl. A61N 5/06 (2006.01)</p> <p>[25] EN</p> <p>[54] GAMMA STIMULATION PULSING LIGHT SOURCE SYSTEM WITH DOSAGE ADJUSTMENT FOR GAZE ANGLE</p> <p>[54] SYSTEME DE SOURCE DE LUMIERE A IMPULSIONS DE STIMULATION GAMMA AVEC AJUSTEMENT DE DOSAGE POUR ANGLE DE REGARD</p> <p>[72] CARSTENSEN, MARCUS, DK</p> <p>[72] PETERSEN, PAUL MICHAEL, DK</p> <p>[72] BROENG, JES, DK</p> <p>[72] DOBKIN, ROBERT, US</p> <p>[72] HENNEY, MARK, DK</p> <p>[72] NGUYEN, NGOC MAI, US</p> <p>[71] OPTOCEUTICS APS, DK</p> <p>[71] TECHNICAL UNIVERSITY OF DENMARK, DK</p> <p>[71] DOBKIN, ROBERT, US</p> <p>[71] NGUYEN, NGOC MAI, US</p> <p>[85] 2023-04-20</p> <p>[86] 2021-10-25 (PCT/US2021/056478)</p> <p>[87] (WO2022/093704)</p> <p>[30] US (17/084,275) 2020-10-29</p>

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[51] Int.Cl. G06T 17/20 (2006.01) G06T 1/40 (2006.01)
[25] EN
[54] THREE-DIMENSIONAL MESH GENERATOR BASED ON TWO-DIMENSIONAL IMAGE
[54] GENERATEUR DE MAILLAGE TRIDIMENSIONNEL BASE SUR UNE IMAGE BIDIMENSIONNELLE
[72] BROWN, COLIN JOSEPH, CA
[72] KRUSZEWSKI, PAUL ANTHONY, CA
[72] ZANGENEHPOUR, SOHAIL, CA
[71] HINGE HEALTH, INC., US
[85] 2023-04-20
[86] 2020-10-29 (PCT/IB2020/060180)
[87] (WO2022/090775)

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[51] Int.Cl. A24F 15/015 (2020.01) A24F 40/50 (2020.01) A24F 40/60 (2020.01) A24F 40/65 (2020.01) A24F 40/95 (2020.01)
[25] EN
[54] DESKTOP REFILLING DEVICE, ARTICLE AND AEROSOL PROVISION SYSTEM
[54] DISPOSITIF DE RECHARGE DE BUREAU, ARTICLE ET SYSTEME DE FOURNITURE D'AEROSOL
[72] EL-ASSAAD, CARLA, GB
[72] ROTHWELL, HOWARD, GB
[72] HAINES, RICHARD, GB
[72] ALLER, JARED, GB
[72] SHETTY, YASHAS DINESH, GB
[72] MANI, VASANTHAN, GB
[72] MALAPANAGUDI, SUDARSHAN, GB
[72] MAHALINGAM, SUDARSHAN, GB
[72] NATARAJAN, SURESH KUMAR, GB
[72] RADHAKRISHNAN, ABHILASH, GB
[72] TALBOT, NICK, GB
[72] WEBB, WILLIAM DUNCAN II, GB
[72] SCHMITT, JAN, GB
[72] KAUFMAN, CALE, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2023-04-20
[86] 2021-10-22 (PCT/GB2021/052739)
[87] (WO2022/084689)
[30] GB (2016760.7) 2020-10-22
[30] GB (2108804.2) 2021-06-18

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[51] Int.Cl. A24F 15/015 (2020.01) A24F 40/50 (2020.01) A24F 40/60 (2020.01) A24F 40/65 (2020.01) A24F 40/90 (2020.01) A24F 40/95 (2020.01)
[25] EN
[54] DESKTOP REFILLING DEVICES
[54] DISPOSITIFS DE RECHARGE DE BUREAU
[72] EL-ASSAAD, CARLA, GB
[72] ROTHWELL, HOWARD, GB
[72] HAINES, RICHARD, GB
[72] ALLER, JARED, GB
[72] SHETTY, YASHAS DINESH, GB
[72] MANI, VASANTHAN, GB
[72] MALAPANAGUDI, SUDARSHAN, GB
[72] MAHALINGAM, SUDARSHAN, GB
[72] NATARAJAN, SURESH KUMAR, GB
[72] RADHAKRISHNAN, ABHILASH, GB
[72] TALBOT, NICK, GB
[72] WEBB, WILLIAM DUNCAN, II, GB
[72] SCHMITT, JAN, GB
[72] KAUFMAN, CALE, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2023-04-20
[86] 2021-10-22 (PCT/GB2021/052738)
[87] (WO2022/084688)
[30] GB (2016760.7) 2020-10-22
[30] GB (2108800.0) 2021-06-18

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[13] A1

[51] Int.Cl. A61F 2/60 (2006.01) A61F 2/62 (2006.01) A61F 5/01 (2006.01) A61H 3/00 (2006.01)
[25] EN
[54] DIFFERENTIAL AND VARIABLE STIFFNESS ORTHOSIS DESIGN WITH ADJUSTMENT METHODS, MONITORING AND INTELLIGENCE
[54] CONCEPTION D'ORTHESES A RIGIDITE DIFFERENTIELLE ET VARIABLE AVEC PROCEDES DE REGLAGE, SURVEILLANCE ET INTELLIGENCE
[72] LERNER, ZACHARY F., US
[72] OREKHOV, GRIGORIY, US
[72] LIEBELT, LEAH, US
[71] ARIZONA BOARD OF REGENTS ON BEHALF OF NORTHERN ARIZONA UNIVERSITY, US
[85] 2023-04-20
[86] 2021-10-29 (PCT/US2021/057451)
[87] (WO2022/094342)
[30] US (63/107,275) 2020-10-29
[30] US (63/215,336) 2021-06-25

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[13] A1

[51] Int.Cl. A24F 15/015 (2020.01) A24F 40/50 (2020.01) A24F 40/60 (2020.01) A24F 40/65 (2020.01)
[25] EN
[54] ARTICLE FOR AN AEROSOL PROVISION SYSTEM
[54] ARTICLE POUR SYSTEME DE FOURNITURE D'AEROSOL
[72] ROTHWELL, HOWARD, GB
[72] AL-AMIN, MOHAMMED, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2023-04-20
[86] 2021-10-22 (PCT/GB2021/052736)
[87] (WO2022/084686)
[30] GB (2016760.7) 2020-10-22
[30] GB (2019001.3) 2020-12-02
[30] GB (2113501.7) 2021-09-22

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[51] Int.Cl. A24F 15/015 (2020.01) A24F 40/50 (2020.01) A24F 40/60 (2020.01) A24F 40/65 (2020.01)
[25] EN
[54] REFILLING DEVICE
[54] DISPOSITIF DE REMPLISSAGE
[72] TRAN, MY-LINH, GB
[72] KERSEY, ROBERT, GB
[72] POTTER, STEPHEN, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2023-04-20
[86] 2021-10-14 (PCT/GB2021/052656)
[87] (WO2022/084651)
[30] GB (2016762.3) 2020-10-22

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[21] 3,196,395
[13] A1

[51] Int.Cl. C12M 1/28 (2006.01) C12Q 1/6806 (2018.01) C12Q 1/689 (2018.01) C12P 19/34 (2006.01)
[25] EN
[54] METHODS OF DETECTING LISTERIA FROM AN ENVIRONMENTAL SAMPLE
[54] PROCEDE DE DETECTION DE LISTERIA A PARTIR D'UN ECHANTILLON ENVIRONNEMENTAL
[72] BISWAS, PREETHA K., US
[72] ZHANG, LEI, US
[72] WALKER, LIN LI, US
[72] DONOFRIO, ROBERT S., US
[71] NEONGEN CORPORATION, US
[85] 2023-04-20
[86] 2021-10-21 (PCT/US2021/055962)
[87] (WO2022/087209)
[30] US (63/094,945) 2020-10-22

[21] 3,196,396
[13] A1

[51] Int.Cl. A61B 17/04 (2006.01)
[25] EN
[54] SUTURING DEVICE
[54] DISPOSITIF DE SUTURE
[72] ALMODOVAR, LUIS JOSE, US
[71] ERGOSURGICAL GROUP CORP., US
[85] 2023-04-20
[86] 2021-10-22 (PCT/US2021/056325)
[87] (WO2022/087467)
[30] US (63/104,503) 2020-10-22

[21] 3,196,402
[13] A1

[51] Int.Cl. A61K 35/17 (2015.01) A61K 47/68 (2017.01) A61K 51/10 (2006.01)
[25] EN
[54] COMBINATION RADIOIMMUNOTHERAPY AND CD47 BLOCKADE IN THE TREATMENT OF CANCER
[54] COMBINAISON DE RADIOIMMUNOTHERAPIE ET DE BLOCAGE DE CD47 DANS LE TRAITEMENT DU CANCER
[72] LUDWIG, DALE L., US
[72] DIAMOND, PAUL, US
[72] SETH, SANDESH, US
[71] ACTINIUM PHARMACEUTICALS, INC., US
[85] 2023-04-21
[86] 2021-10-22 (PCT/US2021/056259)
[87] (WO2022/087416)
[30] US (63/104,386) 2020-10-22
[30] US (63/226,699) 2021-07-28
[30] US (63/250,725) 2021-09-30

[21] 3,196,420
[13] A1

[51] Int.Cl. B26D 7/22 (2006.01) B26D 3/28
[25] EN
[54] IMPELLERS FOR CUTTING MACHINES AND CUTTING MACHINES EQUIPPED THEREWITH
[54] TURBINES POUR MACHINES DE COUPE ET MACHINES DE COUPE AINSI EQUIPEES
[72] BARBER, KEITH ALAN, US
[72] BAXTER, COREY EVERETTE, US
[72] GANN, REBECCA GLYNN, US
[71] URSCHEL LABORATORIES, INC., US
[71] PEPSICO, INC., US
[85] 2023-04-21
[86] 2020-10-22 (PCT/US2020/056835)
[87] (WO2022/086536)

[21] 3,196,423
[13] A1

[51] Int.Cl. A61B 17/04 (2006.01) A61B 17/06 (2006.01) A61B 17/94 (2006.01)
[25] EN
[54] ENDOSCOPIC SUTURE CINCH
[54] SANGLE DE SUTURE ENDOSCOPIQUE
[72] KHANICHEH, AZADEH, US
[72] CRUZ, AMOS, US
[71] ENVISION ENDOSCOPY, INC., US
[85] 2023-04-21
[86] 2021-10-23 (PCT/US2021/056384)
[87] (WO2022/087512)
[30] US (63/104,585) 2020-10-23

[21] 3,196,424
[13] A1

[51] Int.Cl. H04L 1/18 (2023.01)
[25] EN
[54] CONFIGURED GRANT BASED PUSCH TRANSMISSION TO MULTIPLE TRPS
[54] TRANSMISSION DE PUSCH VERS DE MULTIPLES TRP BASEE SUR UNE AUTORISATION CONFIGUREE
[72] GAO, SHIWEI, CA
[72] MURUGANATHAN, SIVA, CA
[72] BLANKENSHIP, YUFEI, US
[72] ZHANG, JIANWEI, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2023-04-21
[86] 2021-10-25 (PCT/IB2021/059847)
[87] (WO2022/084976)
[30] US (63/104,812) 2020-10-23

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<p style="text-align: right;">[21] 3,196,425</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C12N 15/11 (2006.01) C12N 15/113 (2010.01) C12Q 1/68 (2018.01)</p> <p>[25] EN</p> <p>[54] A SCREENING PLATFORM FOR ADAR-RECRUITING GUIDE RNAS</p> <p>[54] PLATE-FORME DE CRIBLAGE PERMETTANT DE RECRUTER DES ARN GUIDES</p> <p>[72] LI, JIN BILLY, US</p> <p>[72] JARMOSKAITE, INGA, US</p> <p>[72] VOGEL, PAUL, US</p> <p>[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US</p> <p>[85] 2023-04-21</p> <p>[86] 2021-10-21 (PCT/US2021/056064)</p> <p>[87] (WO2022/087272)</p> <p>[30] US (63/094,614) 2020-10-21</p>

<p style="text-align: right;">[21] 3,196,426</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. E21B 1/00 (2006.01) E21B 44/00 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD AND SYSTEM FOR OPTIMISING A DRILLING PARAMETER DURING AN ONGOING DRILLING PROCESS</p> <p>[54] METHODE ET SYSTEME POUR OPTIMISER UN PARAMETRE DE FORAGE PENDANT UN PROCESSUS DE FORAGE EN COURS</p> <p>[72] GOTHLBERG, MATTIAS, SE</p> <p>[72] JOHANSSON, ANDERS, SE</p> <p>[72] ENBLOM, SAMUEL, SE</p> <p>[71] EPIROC ROCK DRILLS AKTIEBOLAG, SE</p> <p>[85] 2023-04-21</p> <p>[86] 2021-11-30 (PCT/SE2021/051187)</p> <p>[87] (WO2022/139654)</p> <p>[30] SE (2051524-3) 2020-12-21</p>

<p style="text-align: right;">[21] 3,196,427</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C08J 9/28 (2006.01) A23P 30/40 (2016.01) A61L 27/52 (2006.01) C08J 3/075 (2006.01) C08L 1/02 (2006.01)</p> <p>[25] EN</p> <p>[54] PLANT-DERIVED AEROGELS, HYDROGELS, AND FOAMS, AND METHODS AND USES THEREOF</p> <p>[54] AEROGELS D'ORIGINE VEGETALE, HYDROGELS, ET MOUSSES, ET PROCEDES ET UTILISATIONS ASSOCIEES</p> <p>[72] HICKEY, RYAN, CA</p> <p>[72] SZERESZEWSKI, KAMA, CA</p> <p>[72] TISCHER, PAULA CRISTINA DE SOUSA FARIA, CA</p> <p>[72] PELLING, ANDREW EDWARD, CA</p> <p>[72] CANTO, ANNA, CA</p> <p>[72] SALAMUN, JOSHUA, CA</p> <p>[72] LOURENCO, MATTHEW, CA</p> <p>[71] SPIDERWORT INC., CA</p> <p>[85] 2023-04-21</p> <p>[86] 2021-10-29 (PCT/CA2021/051537)</p> <p>[87] (WO2022/087750)</p> <p>[30] US (63/107,226) 2020-10-29</p>

<p style="text-align: right;">[21] 3,196,428</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C23C 8/22 (2006.01)</p> <p>[25] EN</p> <p>[54] CARBURIZED WORKPIECE AND PREPARATION METHOD THEREFOR</p> <p>[54] PIECE CARBUREE ET SON PROCEDE DE PREPARATION</p> <p>[72] YANG, RIPING, CN</p> <p>[72] YANG, JUN, CN</p> <p>[72] YANG, XIANGLONG, CN</p> <p>[71] CHANGSHA HEIJINGANG INDUSTRIAL CO., LTD, CN</p> <p>[85] 2023-04-21</p> <p>[86] 2021-08-13 (PCT/CN2021/112411)</p> <p>[87] (WO2022/083248)</p> <p>[30] CN (202011138231.0) 2020-10-22</p>

<p style="text-align: right;">[21] 3,196,429</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. E21B 19/16 (2006.01) E21B 47/007 (2012.01)</p> <p>[25] EN</p> <p>[54] METHOD AND SYSTEM FOR DETECTING A STATE OF A JOINT OF A DRILL STRING</p> <p>[54] PROCEDE ET SYSTEME DE DETECTION D'UN ETAT D'UN RACCORD D'UN TRAIN DE TIGES</p> <p>[72] GOTHLBERG, MATTIAS, SE</p> <p>[72] ENBLOM, SAMUEL, SE</p> <p>[71] EPIROC ROCK DRILLS AKTIEBOLAG, SE</p> <p>[85] 2023-04-21</p> <p>[86] 2021-11-30 (PCT/SE2021/051188)</p> <p>[87] (WO2022/139655)</p> <p>[30] SE (2051525-0) 2020-12-21</p>

<p style="text-align: right;">[21] 3,196,430</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H04B 7/185 (2006.01) H04W 56/00 (2009.01)</p> <p>[25] EN</p> <p>[54] ACCESS OFFSET DETERMINATION IN CONJUNCTION WITH PAGING IN NON-TERRESTRIAL NETWORKS</p> <p>[54] DETERMINATION DE DECALAGE D'ACCES EN CONJONCTION AVEC UNE RADIOMESSAGERIE DANS DES RESEAUX NON TERRESTRES</p> <p>[72] LIBERG, OLAF, SE</p> <p>[72] LOWENMARK, STEFAN ERIKSSON, SE</p> <p>[72] Euler, Sebastian, SE</p> <p>[72] YAVUZ, EMRE, SE</p> <p>[72] RUNE, JOHAN, SE</p> <p>[72] KHAN, TALHA, US</p> <p>[72] MAATTANEN, HELKA-LIINA, FI</p> <p>[72] LIN, ZHIPENG, CN</p> <p>[72] LIN, XINGQIN, US</p> <p>[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE</p> <p>[85] 2023-04-21</p> <p>[86] 2021-10-22 (PCT/IB2021/059783)</p> <p>[87] (WO2022/084958)</p> <p>[30] CN (PCT/CN2020/122639) 2020-10-22</p>

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- [51] Int.Cl. A61B 50/30 (2016.01) A61B 17/122 (2006.01) A61B 17/3215 (2006.01) B65D 75/58 (2006.01)
- [25] EN
- [54] A MEDICAL PACKAGING
- [54] EMBALLAGE MEDICAL
- [72] DIMITRI, JAY, AU
- [72] DIMITRI, MARK, AU
- [71] GARRDE PTY LTD, AU
- [85] 2023-04-21
- [86] 2021-10-26 (PCT/AU2021/051243)
- [87] (WO2022/087660)
- [30] AU (2020903885) 2020-10-27
- [30] AU (2021221549) 2021-08-24

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[13] A1

- [51] Int.Cl. F26B 17/10 (2006.01) F26B 25/10 (2006.01)
- [25] EN
- [54] A FLASH DRYER FOR DRYING A PRODUCT AND A METHOD FOR DRYING A PRODUCT IN A FLASH DRYER
- [54] SECHOIR ECLAIR POUR SECHER UN PRODUIT ET PROCEDE DE SECHAGE D'UN PRODUIT DANS UN SECHOIR ECLAIR
- [72] KLANG, RICHARD, SE
- [71] G. LARSSON STARCH TECHNOLOGY AB, SE
- [85] 2023-04-21
- [86] 2021-10-26 (PCT/EP2021/079664)
- [87] (WO2022/090216)
- [30] EP (20204151.3) 2020-10-27

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[13] A1

- [51] Int.Cl. B08B 7/02 (2006.01) B08B 17/02 (2006.01) E21B 37/08 (2006.01)
- [25] EN
- [54] METHOD, SYSTEM AND SIGNAL GENERATOR FOR TREATING A DEVICE TO RESIST FORMATION AND BUILD-UP OF SCALE DEPOSITS
- [54] PROCEDE, SYSTEME ET GENERATEUR DE SIGNAL POUR TRAITER UN DISPOSITIF AFIN DE RESISTER A LA FORMATION ET A L'ACCUMULATION DE DEPOTS DE TARTRE
- [72] COUTTS, KEITH, GB
- [72] DORRANCE, GRAEME, GB
- [72] CLARK, MARTIN, GB
- [72] JOSHI, RAHIL, GB
- [72] FERGUSON, STUART, GB
- [71] CLEARWELL ENERGY HOLDINGS LIMITED, GB
- [85] 2023-04-21
- [86] 2021-12-14 (PCT/EP2021/085783)
- [87] (WO2022/129106)
- [30] GB (2019833.9) 2020-12-15

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[13] A1

- [51] Int.Cl. A47J 31/40 (2006.01) B67D 7/02 (2010.01) B65D 85/804 (2006.01) B67D 1/00 (2006.01) B67D 1/04 (2006.01)
- [25] EN
- [54] CARTRIDGE SYSTEM, BEVERAGE PREPARATION MACHINE, AND PROCESS FOR MANUFACTURING A CARTRIDGE SYSTEM
- [54] SYSTEME DE CARTOUCHE, MACHINE DE PREPARATION DE BOISSONS ET PROCEDE DE PRODUCTION D'UN SYSTEME DE CARTOUCHE
- [72] KRUGER, MARC, DE
- [72] EMPL, GUNTER, DE
- [71] FREEZIO AG, CH
- [85] 2023-04-21
- [86] 2021-10-21 (PCT/EP2021/079271)
- [87] (WO2022/084476)
- [30] DE (10 2020 213 332.8) 2020-10-22
- [30] DE (10 2020 213 333.6) 2020-10-22
- [30] DE (10 2020 215 361.2) 2020-12-04
- [30] DE (10 2020 215 357.4) 2020-12-04
- [30] DE (10 2021 202 394.0) 2021-03-11
- [30] DE (10 2021 202 395.9) 2021-03-11
- [30] DE (10 2021 202 396.7) 2021-03-11

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[13] A1

- [51] Int.Cl. B60P 1/28 (2006.01)
- [25] EN
- [54] MOUNTING OF A DUMP BODY TO A TRUCK
- [54] MONTAGE D'UN CORPS DE BENNE BASCULANTE SUR UN CAMION
- [72] LEMAIRE, BENOIT, CA
- [71] INDUSTRIES FABKOR INC., CA
- [85] 2023-04-21
- [86] 2021-10-22 (PCT/IB2021/059776)
- [87] (WO2022/084951)
- [30] US (63/104,890) 2020-10-23

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[13] A1

- [51] Int.Cl. A61K 38/00 (2006.01) C07K 14/71 (2006.01) C07K 16/22 (2006.01) C07K 16/46 (2006.01)
- [25] EN
- [54] NOVEL BIFUNCTIONAL MULTISPECIFIC ANTAGONISTS CAPABLE OF INHIBITING MULTIPLE LIGANDS OF TGF-BETA FAMILY AND USES THEREOF
- [54] NOUVEAUX ANTAGONISTES MULTISPECIFIQUES BIFONCTIONNELS CAPABLES D'INHIBER DE MULTIPLES LIGANDS DE LA FAMILLE DU TGF-BETA ET UTILISATIONS CORRESPONDANTES
- [72] HAN, HQ, US
- [72] ZHOU, XIAOLAN, US
- [71] HAN, HQ, US
- [71] ZHOU, XIAOLAN, US
- [85] 2023-04-21
- [86] 2021-10-29 (PCT/US2021/057209)
- [87] (WO2022/098570)
- [30] US (63/109,814) 2020-11-04
- [30] US (63/113,920) 2020-11-15

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[13] A1

[51] Int.Cl. E21B 43/20 (2006.01)
[25] EN
[54] A HYBRID METHOD FOR RESERVOIR SIMULATION
[54] PROCEDE HYBRIDE DE SIMULATION DE RESERVOIR
[72] DOGRU, ALI HAYDAR, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2023-04-21
[86] 2021-10-21 (PCT/US2021/055941)
[87] (WO2022/087195)
[30] US (17/078,564) 2020-10-23

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[13] A1

[51] Int.Cl. C09K 8/28 (2006.01) C09K 8/86 (2006.01)
[25] EN
[54] EMULSIFIERS FOR WATER-BASED SUBTERRANEAN TREATMENT FLUIDS
[54] EMULSIFIANTS POUR FLUIDES DE TRAITEMENT SOUTERRAIN A BASE D'EAU
[72] ZEFFIRO, ALBERTO, US
[72] BALESTRINI, ANDREA, US
[72] MAKIAH, SAMA NAZAR, US
[71] LAMBERTI SPA, IT
[85] 2023-04-21
[86] 2021-10-27 (PCT/EP2021/079767)
[87] (WO2022/090283)
[30] IT (102020000025969) 2020-10-30

[21] **3,196,447**
[13] A1

[51] Int.Cl. C22C 29/08 (2006.01)
[25] EN
[54] MINING HARD ALLOY FORMULA, MINING HARD ALLOY AND PREPARATION METHOD THEREFOR
[54] FORMULE D'ALLIAGE DUR D'EXPLOITATION MINIERE, ALLIAGE DUR D'EXPLOITATION MINIERE ET PROCEDE DE PREPARATION POUR CELUI-CI
[72] YANG, RIPPING, CN
[72] YANG, JUN, CN
[72] YANG, XIANGLONG, CN
[71] CHANGSHA HEJINGANG INDUSTRIAL CO., LTD, CN
[85] 2023-04-21
[86] 2021-08-13 (PCT/CN2021/112415)
[87] (WO2022/083249)
[30] CN (202011138250.3) 2020-10-22

[21] **3,196,449**
[13] A1

[51] Int.Cl. A63G 21/02 (2006.01)
[25] EN
[54] SLIDE ATTRACTION
[54] ATTRACTION DE TYPE TOBOGGAN
[72] JENSEN, SHANE, CA
[71] WHITEWATER WEST INDUSTRIES, LTD., CA
[85] 2023-04-21
[86] 2021-10-21 (PCT/CA2021/000095)
[87] (WO2022/082294)
[30] US (63/094,889) 2020-10-21

[21] **3,196,450**
[13] A1

[51] Int.Cl. A61B 17/00 (2006.01) A61B 17/12 (2006.01) A61B 17/22 (2006.01) A61B 17/32 (2006.01) A61B 17/3207 (2006.01) B29C 31/00 (2006.01) B29C 33/42 (2006.01) B29C 49/00 (2006.01) B29C 67/00 (2017.01)
[25] EN
[54] INTRALUMINAL VASCULAR DEVICE, PARTICULARLY FOR SCLEROTHERAPY, AND METHOD
[54] DISPOSITIF VASCULAIRE INTRALUMINAL, EN PARTICULIER POUR LA SCLEROTHERAPIE, ET PROCEDE
[72] SALERNO, MARIO, IT
[71] I-VASC S.R.L., IT
[85] 2023-04-21
[86] 2021-10-28 (PCT/IB2021/059974)
[87] (WO2022/090989)
[30] IT (102020000025918) 2020-10-30

[21] **3,196,453**
[13] A1

[25] EN
[54] LANE LINE DETECTION METHOD AND APPARATUS
[54] PROCEDE ET APPAREIL DE DETECTION DE LIGNE DE VOIE
[72] LUO, DAXIN, CN
[72] GAO, LUTAO, CN
[72] MA, SHA, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2023-04-21
[86] 2020-10-22 (PCT/CN2020/122725)
[87] (WO2022/082574)

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[13] A1

[51] Int.Cl. A63G 21/00 (2006.01) A63G 21/02 (2006.01) A63G 21/10 (2006.01) A63G 21/18 (2006.01)
[25] EN
[54] AMUSEMENT ATTRACTION WITH COUPLED RIDE PATHS
[54] ATTRACTION FORAINE AYANT DES VOIES DE MANEGE COUPLEES
[72] BALDOCK, JEFF, CA
[72] CORNWELL-MOTT, BEN, CA
[72] PERRIN, CURTIS, CA
[71] WHITEWATER WEST INDUSTRIES, LTD., CA
[85] 2023-04-21
[86] 2021-10-22 (PCT/CA2021/000094)
[87] (WO2022/082293)
[30] US (63/104,439) 2020-10-22

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[13] A1

[51] Int.Cl. F26B 3/30 (2006.01) F26B 15/12 (2006.01)
[25] EN
[54] APPARATUS FOR DRYING GYPSUM BOARDS
[54] APPAREIL DE SECHAGE DE PLAQUES DE PLATRE
[72] SUTTON, PETER, GB
[72] TRAN, BINH, FR
[72] MCGAFFIN, SAM, GB
[72] KANCHARLAPALLI, SIVA, GB
[72] PATEL, MANISH, IN
[72] TISSOT, AMELIE, FR
[71] SAINT-GOBAIN PLACO, FR
[85] 2023-04-21
[86] 2022-01-13 (PCT/EP2022/050686)
[87] (WO2022/157073)
[30] EP (21305069.3) 2021-01-20

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- [51] Int.Cl. A23L 2/58 (2006.01) A23L 5/42 (2016.01) A23P 30/40 (2016.01) A23C 11/02 (2006.01)
 - [25] EN
 - [54] BEVERAGE COMPOSITIONS COMPRISING A PRINTED IMAGE AND METHODS OF MAKING THE SAME
 - [54] COMPOSITIONS DE BOISSON COMPRENANT UNE IMAGE IMPRIMEE ET LEURS PROCEDES DE FABRICATION
 - [72] BHUTANI, GURMEET SINGH, IN
 - [72] PARIKH, DEWANG, US
 - [71] PEPSICO, INC., US
 - [85] 2023-04-21
 - [86] 2021-10-21 (PCT/US2021/055994)
 - [87] (WO2022/087231)
 - [30] IN (202041046196) 2020-10-23
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- [51] Int.Cl. H01R 12/70 (2011.01) H01R 12/91 (2011.01) H01R 24/50 (2011.01) H01R 13/24 (2006.01) H01R 12/71 (2011.01)
- [25] EN
- [54] MULTIPORT CONNECTOR INTERFACE SYSTEM
- [54] SYSTEME D'INTERFACE DE CONNECTEUR MULTIPOINT
- [72] VOLKOV, PETER, US
- [71] CARLISLE INTERCONNECT TECHNOLOGIES, INC., US
- [85] 2023-04-21
- [86] 2021-09-30 (PCT/US2021/052874)
- [87] (WO2022/086690)
- [30] US (17/078,684) 2020-10-23

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[13] A1

- [51] Int.Cl. A61K 9/00 (2006.01) A61K 31/4184 (2006.01) A61K 47/26 (2006.01) A61K 47/32 (2006.01) A61K 47/38 (2006.01) A61P 1/04 (2006.01)
- [25] EN
- [54] ORALLY DISINTEGRATING TABLET COMPRISING BENZIMIDAZOLE DERIVATIVE COMPOUND AND PREPARATION METHOD THEREOF
- [54] COMPRISE A DESINTEGRATION ORALE COMPRENANT UN COMPOSE DERIVE DE BENZIMIDAZOLE ET PROCEDE DE PREPARATION ASSOCIE
- [72] KIM, MIN JUNG, KR
- [72] PARK, SUN YOUNG, KR
- [72] LIM, DA SOM, KR
- [72] JEON, EUN KYUNG, KR
- [72] CHO, YOUNG DAE, KR
- [72] CHO, TAE KEUN, KR
- [71] HK INNO.N CORPORATION, KR
- [85] 2023-04-21
- [86] 2021-10-21 (PCT/KR2021/014853)
- [87] (WO2022/086238)
- [30] KR (10-2020-0138712) 2020-10-23

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- [51] Int.Cl. A61P 35/00 (2006.01) C07K 14/705 (2006.01) C07K 16/28 (2006.01)
 - [25] EN
 - [54] CHIMERIC ANTIGEN COMPRISING THE EXTRACELLULAR DOMAIN OF PD-L1
 - [54] ANTIGENE CHIMERIQUE COMPRENANT LE DOMAINE EXTRACELLULAIRE DE PD-L1
 - [72] MORERA DIAZ, YANELYS, CU
 - [72] SANCHEZ RAMIREZ, JAVIER, CU
 - [72] CANAAN-HADEN AYALA, CAMILA, CU
 - [72] BEQUET ROMERO, MONICA, CU
 - [72] AYALA AVILA, MARTA, CU
 - [72] GONZALEZ MOYA, ISABEL, CU
 - [72] GONZALEZ BLANCO, SONIA, CU
 - [72] LIMONTA FERNANDEZ, MILADYS, CU
 - [72] ESPINOSA RODRIGUEZ, LUIS ARIEL, CU
 - [72] BESADA PEREZ, VLADIMIR ARMANDO, CU
 - [71] CENTRO DE INGENIERIA GENETICA Y BIOTECNOLOGIA, CU
 - [85] 2023-04-21
 - [86] 2021-09-28 (PCT/CU2021/050008)
 - [87] (WO2022/083805)
 - [30] CU (2020-0075) 2020-10-22
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- [51] Int.Cl. C01B 33/193 (2006.01) C08K 3/36 (2006.01) C08L 9/06 (2006.01)
- [25] EN
- [54] PRECIPITATED SILICIC ACIDS, PROCESS FOR THEIR PREPARATION AND USE THEREOF
- [54] ACIDES SILICIQUES PRECIPITES, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION
- [72] WEHMEIER, ANDRE, DE
- [72] MASCHKE, DOMINIK, DE
- [72] OCHENDUSZKO, AGNIESZKA, CH
- [71] EVONIK OPERATIONS GMBH, DE
- [85] 2023-04-21
- [86] 2021-10-18 (PCT/EP2021/078743)
- [87] (WO2022/089971)
- [30] EP (20204259.4) 2020-10-28

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[25] EN

[54] DIPEPTIDYLPEPTIDASE AND LEUCINE AMINOPEPTIDASE POLYPEPTIDE VARIANTS

[54] VARIANTS DES POLYPEPTIDES DE DIPEPTIDYL PEPTIDASE ET DE LEUCINE AMINOPEPTIDASE

[72] TSCHOLLAR, WERNER, CH

[72] TIETZ, SILVIA, CH

[71] AMYRA BIOTECH AG, CH

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[86] 2021-10-25 (PCT/EP2021/079522)

[87] (WO2022/090144)

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[54] METHOD FOR AVOIDING/REDUCING RESISTANCES WHEN SELECTIVELY APPLYING PESTICIDES

[54] PROCEDE POUR EVITER/REDUIRE DES RESISTANCES LORS DE L'APPLICATION SELECTIVE DE PESTICIDES

[72] DELATREE, CLEMENS CHRISTIAN, DE

[72] FREUDIGMANN, HANS-ARNDT, DE

[71] BASF AGRO TRADEMARKS GMBH, DE

[71] ROBERT BOSCH GMBH, DE

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[54] METHOD FOR ASSESSING THE SEVERITY OF SARS

[54] METHODE D'EVALUATION DE LA GRAVITE D'UN SRAS

[72] DURAND, NICOLAS, CH

[72] MARKI, IWAN, CH

[72] VENTURA, FRANCOIS, CH

[71] ABIONIC SA, CH

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[25] FR

[54] NICKEL-BASED ALLOY FOR MANUFACTURING PIPELINE TUBES

[54] ALLIAGE A BASE DE NICKEL POUR LA FABRICATION DE TUBES DE PIPELINE

[72] REYDET, PIERRE-LOUIS, FR

[72] JOUVENCEAU, FANNY, FR

[71] APERAM, LU

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[25] EN

[54] STUD GAP MARKER FOR WALL BUILDING

[54] MARQUEUR D'ESPACEMENT DE MONTANTS DESTINE A UNE CONSTRUCTION DE PAROI

[72] DOERKSEN, PETER, US

[72] BENNETT, JETHRO, GB

[71] DOERKSEN, PETER, US

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[87] (WO2022/084903)

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[51] Int.Cl. H01M 10/0525 (2010.01) H01M 10/0562 (2010.01) H01M 10/0585 (2010.01)

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[54] BATTERIES WITH SOLID STATE ELECTROLYTE MULTILAYERS

[54] BATTERIES DOTEES DE MULTICOUCHES D'ELECTROLYTE SOLIDE

[72] LI, XIN, US

[72] YE, LUHAN, US

[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US

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[86] 2021-11-01 (PCT/US2021/057591)

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[30] US (63/108,075) 2020-10-30

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[25] EN

[54] CARTRIDGE SYSTEM, BEVERAGE PREPARATION MACHINE, AND PROCESS FOR MANUFACTURING A CARTRIDGE SYSTEM

[54] SYSTEME DE CARTOUCHE, MACHINE DE PREPARATION DE BOISSONS ET PROCEDE DE PRODUCTION D'UN SYSTEME DE CARTOUCHE

[72] KRUGER, MARC, DE

[72] EMPL, GUNTER, DE

[71] FREEZIO AG, CH

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[86] 2021-10-21 (PCT/EP2021/079272)

[87] (WO2022/084477)

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[30] DE (10 2020 213 332.8) 2020-10-22

[30] DE (10 2020 215 357.4) 2020-12-04

[30] DE (10 2020 215 361.2) 2020-12-04

[30] DE (10 2021 202 396.7) 2021-03-11

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[25] EN

[54] METHOD OF REDUCING CARBON EMISSIONS AND IMPROVING THE ENVIRONMENTAL PERFORMANCE OF CONCENTRATE PRODUCERS AND SMELTERS

[54] PROCEDE DE REDUCTION DES EMISSIONS DE CARBONE ET D'AMELIORATION DE LA PERFORMANCE ENVIRONNEMENTALE DE PRODUCTEURS ET FONDEURS DE CONCENTRE

[72] HALPIN, PETER T., US

[72] SCHNECK, DALE, US

[72] SCHLEGEL, ULRICH R., US

[71] WORLD RESOURCES COMPANY, US

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[30] US (63/104,467) 2020-10-22

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[51] Int.Cl. C12N 15/11 (2006.01) G16B 5/10 (2019.01) C12N 15/63 (2006.01)

[25] EN

[54] EXPRESSION SYSTEM AND METHOD FOR CONTROLLING A NETWORK IN A CELL AND CELL COMPRISING THE EXPRESSION SYSTEM

[54] SYSTEME D'EXPRESSION ET PROCEDE DE REGULATION D'UN RESEAU DANS UNE CELLULE ET CELLULE COMPRENANT LE SYSTEME D'EXPRESSION

[72] FREI, TIMOTHY THOMAS, CH

[72] CHANG, CHING-HSIANG, CH

[72] FILO, MAURICE, CH

[72] KHAMMASH, MUSTAFA, CH

[71] ETH ZURICH, CH

[85] 2023-04-21

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[25] EN

[54] PROCESS FOR PRODUCING FOAM PANELS FOR THE PRODUCTION OF FOAM FILMS

[54] PROCEDE DE FABRICATION DE PANNEAUX EN MOUSSE POUR LA PRODUCTION DE FILMS EN MOUSSE

[72] GOLDMANN, FELIX, DE

[72] RICHTER, THOMAS, DE

[72] ROTH, MATTHIAS ALEXANDER, DE

[72] BECKER, FLORIAN, DE

[72] PINTO, JORGE MANUEL, DE

[71] EVONIK OPERATIONS GMBH, DE

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[87] (WO2022/089931)

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[13] A1

[51] Int.Cl. G06F 17/00 (2019.01)

[25] EN

[54] SYSTEMS, METHODS, COMPUTING PLATFORMS, AND STORAGE MEDIA FOR PROVIDING IMAGE RECOMMENDATIONS

[54] SYSTEMES, PROCEDES, PLATEFORMES INFORMATIQUES ET SUPPORTS DE STOCKAGE PERMETTANT DE FOURNIR DES RECOMMANDATIONS D'IMAGE

[72] LEMMONS, MARK, US

[72] CARDELLO, FRANK, US

[71] SHUTTERSTOCK, INC., US

[85] 2023-04-21

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[30] US (63/108,808) 2020-11-02

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[13] A1

[51] Int.Cl. A61M 5/20 (2006.01) A61M 5/315 (2006.01)

[25] EN

[54] MEDICATION DELIVERY DEVICE WITH MOISTURE SENSING SYSTEM

[54] DISPOSITIF D'ADMINISTRATION DE MEDICAMENT DOTE D'UN SYSTEME DE DETECTION D'HUMIDITE

[72] BOWYER, ANDREW ERIC, US

[72] TRZYBINSKI, ROBERT EUGENE, US

[72] ASH, MATTHEW JAMES, US

[72] PREDA, EMIL, US

[71] ELI LILLY AND COMPANY, US

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[13] A1

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[54] POLYAMIDE NONWOVENS IN SOUND ABSORBING MULTI-LAYER COMPOSITES

[54] NON-TISSES DE POLYAMIDE DANS DES COMPOSITES MULTICOUCHES ABSORBANT LE SON

[72] ORTEGA, ALBERT, US

[72] YUNG, WAI-SHING, US

[72] MENNER, JOSEPH L., US

[71] ASCEND PERFORMANCE MATERIALS OPERATIONS LLC, US

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[86] 2021-10-29 (PCT/US2021/057424)

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- [54] MEMBRANES BITUMINEUSES A LIANT BIODEGRADABLE
- [72] BIESER, ARNO, DE
- [72] ELLMER, KATHARINA, IT
- [72] VILLING-FALUSI, SANDRA, DE
- [72] LA PORTA, ANTONIO, DE
- [72] ASSUMMA, LUCA, IT
- [71] FREUDENBERG PERFORMANCE MATERIALS SE & CO. KG, DE
- [85] 2023-04-21
- [86] 2021-11-09 (PCT/EP2021/081032)
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- [54] DISPOSITIFS A SEMI-CONDUCTEUR AYANT DES REGIONS D'INTERFACE GRADUEES
- [72] WALKER, ALEXANDRE W., CA
- [71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
- [85] 2023-04-21
- [86] 2021-10-19 (PCT/IB2021/059637)
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- [25] EN
- [54] METHODS OF TREATMENT OF LIVER FAILURE
- [54] METHODES DE TRAITEMENT DE L'INSUFFISANCE HEPATIQUE
- [72] DELATAILLE, PHILIPPE, FR
- [72] WALCZAK, ROBERT, FR
- [72] FOUCART, CORINNE, FR
- [72] LEGRY, VANESSA, FR
- [72] STANKOVIC VALENTIN, NICOLAS, BE
- [72] DEBAECKER, SIMON, FR
- [72] HANF, REMY, FR
- [71] GENFIT, FR
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[13] A1

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- [25] EN
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- [54] CAPSULE ET SYSTEME DE PREPARATION D'UNE BOISSON
- [72] GAVILLET, GILLES, CH
- [72] GERBAULET, ARNAUD, FR
- [72] BEHRMANN, VEITH, CH
- [71] SOCIETE DES PRODUITS NESTLE S.A., CH
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- [51] Int.Cl. A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 47/10 (2017.01) A61M 5/315 (2006.01)
- [25] EN
- [54] FORMULATIONS, METHODS, AND PRE-FILLED MULTI-DOSE INJECTION DEVICES WITHOUT CLOUD POINT
- [54] FORMULATIONS, PROCEDURES ET DISPOSITIFS D'INJECTION MULTI-DOSE PRE-REMPLIS SANS POINT DE TROUBLE
- [72] GUNZEL, EDWARD C., US
- [72] PATAPOFF, THOMAS W., US
- [71] W. L. GORE & ASSOCIATES, INC., US
- [85] 2023-04-21
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- [25] EN
- [54] JAK INHIBITORS HAVING A SPECIFIC PARTICLE SIZE DISTRIBUTION
- [54] INHIBITEURS DE JAK AYANT UNE DISTRIBUTION DE TAILLE DE PARTICULE SPECIFIQUE
- [72] STIRM, STEPHEN, US
- [71] ELANCO US INC., US
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[25] EN
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[54] SYSTEME DE CARTOUCHE, MACHINE DE PREPARATION DE BOISSONS ET PROCEDE DE PRODUCTION D'UN SYSTEME DE CARTOUCHE
[72] KRUGER, MARC, DE
[72] EMPL, GUNTER, DE
[71] FREEZIO AG, CH
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[86] 2021-10-21 (PCT/EP2021/079270)
[87] (WO2022/084475)
[30] DE (10 2020 213 332.8) 2020-10-22
[30] DE (10 2020 213 333.6) 2020-10-22
[30] DE (10 2020 215 361.2) 2020-12-04
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[25] EN
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[54] APPLICATION D'UN COMPOSE DE LACTONE SESQUITERPENIQUE DANS LA PREPARATION DE MEDICAMENTS POUR SOULAGER DES LESIONS PROVOQUEES PAR LA RADIOTHERAPIE
[72] CHEN, YUE, CN
[72] CAI, DONGPO, CN
[72] BAO, SHIQI, CN
[72] ZHANG, XUEMEI, CN
[72] CHEN, JING, CN
[72] GONG, JIANMIAO, CN
[72] GUO, JIANSHUANG, CN
[72] LI, JING, CN
[71] ACCENDATECH CO., LTD., CN
[71] NANKAI UNIVERSITY, CN
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[72] RICHARD, CEDRIC, CH
[72] GERBAULET, ARNAUD, FR
[72] BEHRMANN, VEITH, CH
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[25] EN
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[54] SANGLE DE RETENUE SEMI-RIGIDE PIVOTANTE ET REGLABLE DE MANIERE INCREMENTIELLE POUR UN CASQUE
[72] HERMANSEN, FRANK, US
[72] WINEFORDNER, CARL, US
[71] DOUBLETHREE, LLC, US
[85] 2023-04-21
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[54] PROCEDES DE TRAITEMENT DE TISSU DE SUPPORT F?TAL
[72] TSENG, SCHEFFER, US
[72] TAN, EK KIA, US
[72] CHUA, LORRAINE, US
[71] BIOTISSUE HOLDINGS INC., US
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[25] EN
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[54] ODEVIXIBAT POUR LE TRAITEMENT DE LA CHOLESTASE INTRAHEPATIQUE FAMILIALE PROGRESSIVE (CIFP)
[72] GILLBERG, PER-GORAN, SE
[72] MATTSSON, JAN, SE
[72] HORN, PAT, US
[72] SONI, PARESH, US
[71] ALBIREO AB, SE
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[25] EN
[54] OXYGEN TREATMENT OF HIGH KAPPA FIBERS
[54] TRAITEMENT A L'OXYGENE DE FIBRES A KAPPA ELEVE
[72] HOLTMAN, KEVIN M., US
[72] LEE, JEFFREY A., US
[72] SUMNICKT, DANIEL W., US
[72] MILLER, DANIEL E., US
[71] GPCP IP HOLDINGS LLC, US
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[54] PROCEDE DE COMMUNICATION ET DISPOSITIF ASSOCIE
[72] LIU, JING, CN
[72] ZHU, YUANPING, CN
[72] SHI, YULONG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[21] 3,196,493 [13] A1
[51] Int.Cl. C07K 16/28 (2006.01) A61P 37/06 (2006.01)
[25] EN
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[54] MODULATEURS D'ATTENUATEUR DE LYMPHOCYTES B ET T (BTLA) ET LEUR METHODE D'UTILISATION
[72] DAHL, MARTIN EDWARD, US
[72] PARMLEY, STEPHEN, US
[72] KEHRY, MARILYN, US
[72] CORREIA, JEAN DA SILVA, US
[72] SHAW, MORENA, US
[71] ANAPTSYSBIO, INC., US
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[87] (WO2022/087441)
[30] US (63/105,067) 2020-10-23
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[51] Int.Cl. G02B 6/44 (2006.01) H02G 3/32 (2006.01) H02G 3/34 (2006.01)
[25] EN
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[54] PINCES DE MONTAGE DE CABLES
[72] MARCHEK, KYLE, US
[72] COURCHAINE, WILFRED, US
[72] VOGEL, MARK, US
[72] BALL, SHIRLEY, US
[71] AFL TELECOMMUNICATIONS LLC, US
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[87] (WO2022/087377)
[30] US (17/077,500) 2020-10-22

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[51] Int.Cl. A61J 1/05 (2006.01) A61J 1/20 (2006.01) A61M 5/32 (2006.01)
[25] EN
[54] MEMBRANE WITH GUIDE SURFACE
[54] MEMBRANE AVEC SURFACE DE GUIDAGE
[72] SHEVGOOR, SIDDARTH K., US
[72] SADASIVAM, BALAJI, US
[72] DISTEFANO, NICOLE JEAN, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2023-04-21
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[25] EN
[54] TARGETING DELIVERY SYSTEM LOADED WITH WHOLE-CELL COMPONENTS AND USE THEREOF
[54] SYSTEME D'ADMINISTRATION CIBLE CHARGE DE COMPOSANTS DE CELLULES ENTIERES ET SON UTILISATION
[72] LIU, MI, CN
[71] SUZHOU ERSHENG BIOPHARMACEUTICAL CO., LTD, CN
[85] 2023-04-21
[86] 2020-11-05 (PCT/CN2020/126655)
[87] (WO2022/082869)
[30] CN (202011146241.9) 2020-10-23

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[25] EN
[54] LAG-3 ANTAGONIST THERAPY FOR LUNG CANCER
[54] THERAPIE PAR ANTAGONISTE DE LAG-3 POUR LE CANCER DU POUMON
[72] TOMS, LAURENCE DAVID, US
[72] BASCIANO, PAUL ANDREW, US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
[85] 2023-04-21
[86] 2021-10-22 (PCT/US2021/056241)
[87] (WO2022/087402)
[30] US (63/104,744) 2020-10-23
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[54] CLEANING COMPOSITION COMPRISING ALGINATE LYASE ENZYMES
[54] COMPOSITION NETTOYANTE CONTENANT DES ENZYME ALGINATE LYASES
[72] JONES, CATHERINE, GB
[72] LANT, NEIL JOSEPH, GB
[72] MOMIN, NAZARMOHAMMAD GULAMHUSSAIN, GB
[72] MORALES GARCIA, ANA L., GB
[72] VALENTINI, ALESSANDRA, GB
[72] WILLATS, WILLIAM G. T., GB
[72] YAU, HAMISH CHUN LAM, GB
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2023-04-21
[86] 2021-10-29 (PCT/US2021/057168)
[87] (WO2022/094164)
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[25] EN
[54] WATERCRAFT DRAIN PLUG SYSTEM
[54] SYSTEME DE BOUCHON DE VIDANGE D'EMBARCATION
[72] HERREMA, MARK W., US
[72] ANDERSON, DENNIS J., US
[72] BROWN, MYLES A., US
[71] FLOW-RITE CONTROLS, LTD., US
[85] 2023-04-21
[86] 2021-08-19 (PCT/US2021/046609)
[87] (WO2022/103462)
[30] US (17/095,347) 2020-11-11

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[25] EN
[54] AAV CAPSIDS AND COMPOSITIONS CONTAINING SAME
[54] CAPSIDES DE VAA ET COMPOSITIONS LES CONTENANT
[72] WILSON, JAMES M., US
[72] NAMBIAR, KALYANI, US
[72] WANG, QIANG, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[85] 2023-04-21
[86] 2021-10-29 (PCT/US2021/057201)
[87] (WO2022/094180)
[30] US (63/107,030) 2020-10-29
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[25] EN
[54] PLASMONIC NANOPARTICLE ASSISTED ENZYME-LINKED IMMUNOSORBENT ASSAY IN A FLUIDICS DEVICE
[54] ESSAI D'IMMUNO-ABSORPTION ENZYMATIQUE ASSISTE PAR NANOParticules PLASMONIQUES DANS UN DISPOSITIF FLUIDIQUE
[72] KRISHNAKUMAR, HARISH, CA
[72] TAIAKINA, VALENTINA, CA
[72] DENOMMÉ, RYAN CAMERON, CA
[72] LIU, JUEWEN, CA
[72] HUANG, ZHICHENG, CN
[71] NICHOYA LIFESCIENCES INC., CA
[85] 2023-04-21
[86] 2021-10-22 (PCT/CA2021/051491)
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- [25] EN
- [54] COMPUTER, SYSTEM AND METHOD
- [54] ORDINATEUR, SYSTEME ET PROCEDE
- [72] TRAN, MY-LINH, GB
- [72] KERSEY, ROBERT, GB
- [72] POTTER, STEPHEN, GB
- [71] NICOVENTURES TRADING LIMITED, GB
- [85] 2023-04-21
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- [30] GB (2016764.9) 2020-10-22

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- [25] EN
- [54] INDUSTRIAL CALCINATION APPARATUS
- [54] APPAREIL DE CALCINATION INDUSTRIELLE
- [72] WOOLLACOTT, ROB, GB
- [72] SUTTON, PETER, GB
- [72] KANCHARLAPALLI, SIVA, GB
- [72] PATEL, MANISH, IN
- [72] TRAN, BINH, FR
- [71] SAINT-GOBAIN PLACO, FR
- [85] 2023-04-24
- [86] 2022-01-13 (PCT/EP2022/050685)
- [87] (WO2022/157072)
- [30] EP (21305066.9) 2021-01-20

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- [51] Int.Cl. B68C 1/02 (2006.01)
- [25] EN
- [54] SADDLE AND USE OF SAID SADDLE FOR SEATING A RIDER ON AN ANIMAL, IN PARTICULAR ON A HORSE
- [54] SELLE ET UTILISATION DE LADITE SELLE POUR ASSEOIR UN CAVALIER SUR UN ANIMAL, EN PARTICULIER SUR UN CHEVAL
- [72] VAN KEKEN, THEODORUS JOZEF MARIA, NL
- [71] ZONNEVLECHT HOLDING B.V., NL
- [85] 2023-04-24
- [86] 2021-10-26 (PCT/NL2021/050653)
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- [30] NL (2026766) 2020-10-26

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- [25] EN
- [54] JUST-IN-TIME TRAINING SYSTEM AND METHOD
- [54] SYSTEME ET PROCEDE DE FORMATION JUSTE-A-TEMPS
- [72] FOROUGHI, EHSAN, CA
- [72] HAIDAR, HOSSAM, CA
- [72] LO, CALVIN, CA
- [72] PARK, LAUREN, CA
- [72] SETHI, ROHIT KUMAR, CA
- [72] THAM, EMIN, CA
- [72] WHITTINGTON, GEOFFREY, CA
- [71] SECURITY COMPASS TECHNOLOGIES LTD., CA
- [85] 2023-04-24
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- [87] (WO2022/087733)
- [30] US (63/105,920) 2020-10-27

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- [51] Int.Cl. C02F 5/08 (2006.01) C23F
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- [25] EN
- [54] AQUEOUS FORMULATION OF OIL-SOLUBLE CORROSION INHIBITOR, AND PREPARATION METHOD AND REGENERATION METHOD THEREOF
- [54] AGENT AQUEUX INHIBITEUR DE CORROSION SOLUBLE DANS L'HUILE, ET PROCEDE DE PREPARATION ET PROCEDE DE REGENERATION ASSOCIE
- [72] JIANG, JINGJING, CN
- [72] HE, YISHAN, CN
- [72] HUANG, LIHUA, CN
- [72] CAO, JUN, CN
- [72] YAN, JING, CN
- [72] CHEN, WEN, CN
- [72] TANG, YONGFAN, CN
- [71] PETROCHINA COMPANY LIMITED, CN
- [85] 2023-04-24
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- [87] (WO2022/116773)
- [30] CN (202011396388.3) 2020-12-03

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- [51] Int.Cl. B60B 39/00 (2006.01) B61C
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- [25] FR
- [54] DEVICE AND METHOD FOR OPTIMISING THE GRIP OF A TYRE FITTED TO A MOBILE VEHICLE TRAVELLING ON A ROAD SURFACE, AND MOTOR VEHICLES AND AIRCRAFT INCORPORATING SUCH A DEVICE
- [54] DISPOSITIF ET PROCEDE POUR OPTIMISER L'ADHERENCE D'UN PNEUMATIQUE EQUIPANT UN ENGIN MOBILE ROULANT SUR UNE VOIE, ET VEHICULES AUTOMOBILES ET AERONEFS INTEGRANT UN TEL DISPOSITIF
- [72] ROGER, JEAN-BAPTISTE, FR
- [71] DRYSIDE, FR
- [85] 2023-04-24
- [86] 2021-10-21 (PCT/FR2021/051848)
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- [25] EN
- [54] PROGRAMMABLE NON-EXPLOSIVE ELECTRONIC INITIATOR FOR ROCK BLASTING, AND EXOTHERMIC REACTION AND TESTING PROCESS OF THE INITIATOR
- [54] INITIATEUR ELECTRONIQUE PROGRAMMABLE NON EXPLOSIF POUR DYNAMITAGE DE ROCHE, ET PROCEDE DE TEST ET DE REACTION EXOTHERMIQUE DE L'INITIATEUR
- [72] ABARCA VARGAS, EDUARDO ALFREDO, CL
- [71] COMERCIALIZADORA EXOBLAST CHILE SPA, CL
- [85] 2023-04-24
- [86] 2020-10-29 (PCT/CL2020/050144)
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- [25] EN
- [54] PROCESS FOR REMOVING CYANIDE FROM A CYANIDE-BEARING AQUEOUS FLUID
- [54] PROCEDE D'ELIMINATION DU CYANURE D'UN FLUIDE AQUEUX CONTENANT DU CYANURE
- [72] DAI, XIANWEN, AU
- [72] BREUER, PAUL, AU
- [71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
- [85] 2023-04-24
- [86] 2021-10-25 (PCT/AU2021/051239)
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- [25] EN
- [54] METHOD FOR HEAVY TRUCK PLATOONING ORDER ON WET ROADS USING TIRE TREAD VOLUMETRIC VOID PERCENTAGE
- [54] PROCEDE POUR UN ORDRE DE PELOTON DE POIDS LOURDS SUR DES ROUTES HUMIDES UTILISANT UN POURCENTAGE DE VIDE VOLUMETRIQUE DE BANDE DE ROULEMENT DE PNEU
- [72] TROWBRIDGE, JEREMY, US
- [72] ERDOGAN, GURKAN, US
- [72] RADULESCU, ROBERT CIPRIAN, US
- [71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
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- [25] EN
- [54] ADMINISTRATION OF STING AGONIST, CHECKPOINT INHIBITORS, AND RADIATION
- [54] ADMINISTRATION D'UN AGONISTE DE STING, D'INHIBITEURS DE POINT DE CONTROLE ET DE RAYONNEMENT
- [72] SHAW, MICHAEL H., US
- [72] SATO, YOSUKE, JP
- [71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
- [85] 2023-04-24
- [86] 2021-11-18 (PCT/IB2021/060679)
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- [25] EN
- [54] NON-CATIONIC SOFT POLYPHENOL NANOCAPSULES FOR EFFECTIVE SYSTEMIC DELIVERY OF SMALL INTERFERING RNA (SIRNA) FOR CANCER TREATMENT
- [54] NANOCAPSULES DE POLYPHENOL MOLLES NON CATIONIQUES POUR L'ADMINISTRATION SYSTEMIQUE EFFICACE DE PETITS ARN INTERFERENTS (ARNSI) POUR LE TRAITEMENT DU CANCER
- [72] YEO, YOON, US
- [72] KIM, HYUNGJUN, US
- [71] PURDUE RESEARCH FOUNDATION, US
- [85] 2023-04-24
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- [25] EN
- [54] METHODS AND SYSTEMS FOR ZERO LIQUID DISCHARGE RECYCLING OF WASTE GENERATED FROM MANUFACTURING OPERATIONS
- [54] PROCEDES ET SYSTEMES POUR LE RECYCLAGE A ZERO REJET LIQUIDE DE DECHETS GENERES PAR DES OPERATIONS DE FABRICATION
- [72] STEPINSKI, ALEXANDER SLAVOMIR, US
- [71] GREENSOURCE FABRICATION LLC, US
- [85] 2023-04-24
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- [54] **OPIOID-FREE COMPOSITIONS FOR ANESTHESIOLOGICAL APPLICATIONS AND RELATED METHODS AND SYSTEMS**
- [54] **COMPOSITIONS EXEMPTS D'OPIOIDES POUR APPLICATIONS ANESTHESIOLOGIQUES ET PROCEDES ET SYSTEMES ASSOCIES**
- [72] HARRIS, JULIA, US
- [71] VAPORWORKS NURSING ANESTHESIA INC., US
- [85] 2023-04-24
- [86] 2021-12-25 (PCT/IB2021/062312)
- [87] (WO2022/084980)
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- [54] **DOSING FOR TREATMENT WITH ANTI-CD20/ANTI-CD3 BISPECIFIC ANTIBODIES**
- [54] **DOSAGE POUR LE TRAITEMENT AVEC DES ANTICORPS BISPECIFIQUES ANTI-CD20/ANTI-CD3**
- [72] LI, CHI-CHUNG, US
- [72] O'HEAR, CAROL ELAINE, US
- [72] BENDER, BRENDAN CHRISTIAN, US
- [71] GENENTECH, INC., US
- [85] 2023-04-24
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- [87] (WO2022/098638)
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- [25] EN
- [54] **METHODS AND COMPOSITIONS FOR TREATMENT OF LUPUS**
- [54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT DU LUPUS**
- [72] LEON, FRANCISCO, US
- [72] DUNFORD, PAUL, US
- [72] MOORE, PAUL, US
- [71] PROVENTION BIO, INC., US
- [71] MACROGENICS, INC., US
- [85] 2023-04-24
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- [54] **MOTEUR ELECTRIQUE A ONDULEUR INTEGRE ET SYSTEME DE REFROIDISSEMENT PARTAGE**
- [72] LIBEN, MAX MEYER, US
- [72] SYLVESTRE, JASON JEROME, US
- [72] MACIOLEK, ERIC PAUL, US
- [71] H3X TECHNOLOGIES INC., US
- [85] 2023-04-24
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- [25] EN
- [54] **LINEAR ACTUATOR WITH ANTI-ROTATION MECHANISM**
- [54] **ACTIONNEUR LINEAIRE COMPORANT UN MECANISME ANTI-ROTATION**
- [72] FORTE, ALAIN, CA
- [72] GOBEIL, ALAIN, CA
- [72] LAFOREST, PIERRE, CA
- [71] GESTION LAFOREST INC., CA
- [85] 2023-04-24
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- [25] EN
- [54] **A SYSTEM FOR HANDLING INDIVIDUAL PRIMARY PACKAGING CONTAINERS**
- [54] **SYSTEME DE MANIPULATION DE RECIPIENTS D'EMBALLAGE PRIMAires INDIVIDUELs**
- [72] DEKOCKER, WIM, BE
- [72] PETRAMALE, MARCELO, BE
- [72] FERREIRA, GLENN, BE
- [72] DUPERRAY, PHILIPPE JEAN MARIE, FR
- [71] ANHEUSER-BUSCH INBEV S.A., BE
- [85] 2023-04-24
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- [54] **RECOMBINANT T-CELL RECEPTORS THAT BIND THE NY-ESO-1 AND/OR LAGE-1A CANCER ANTIGENS**
- [54] **RECEPTEURS DE LYMPHOCYTES T RECOMBINANTS QUI SE LIENT AUX ANTIGENES DU CANCER NY-ESO-1 ET/OU LAGE-1A**
- [72] LIN, YING Q., US
- [72] DAVIS, NICHOLAS S., US
- [72] WANG, MAIZE, US
- [72] ZENG, GANG, US
- [72] VON EUW, ERIKA, US
- [71] T-CURE BIOSCIENCES, INC., US
- [85] 2023-04-24
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 - [54] ENGINEERED IPSC AND PERSISTENT IMMUNE EFFECTOR CELLS
 - [54] CELLULES IPSC ET CELLULES EFFECTRICES IMMUNITAIRES PERSISTANTES FABRIQUEES PAR GENIE GENETIQUE
 - [72] VALAMEHR, BAHRAM, US
 - [72] PERALTA, EIGEN, US
 - [72] CHANG, CHIA-WEI, US
 - [71] FATE THERAPEUTICS, INC., US
 - [85] 2023-04-24
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- [54] AEROSOL GENERATING DEVICE COMPRISING AN OUTER WALL AND A POWER SUPPLY DEVICE
- [54] DISPOSITIF DE GENERATION D'AEROSOL COMPRENANT UNE PAROI EXTERNE ET UN DISPOSITIF D'ALIMENTATION ELECTRIQUE
- [72] ADAIR, KYLE, GB
- [72] POPOOLA, OLAYIWOLA OLAMIPOSI, GB
- [72] LOVEDAY, PETER, GB
- [71] JT INTERNATIONAL S.A., CH
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 - [54] SYSTEME D'EXTRACTION DE LAIT ET PROCEDE MIS EN OEUVRE PAR ORDINATEUR
 - [72] BAHLENBERG, PETER, SE
 - [72] PAULRUD, CARL OSKAR, SE
 - [71] DELAVAL HOLDING AB, SE
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- [54] ENGINEERED IPSC AND IMMUNE EFFECTOR CELLS FOR HETEROGENOUS TUMOR CONTROL
- [54] CELLULES CSPI ET EFFECTRICES IMMUNITAIRES MODIFIEES POUR LA LUTTE CONTRE LES TUMEURS HETEROGENES
- [72] VALAMEHR, BAHRAM, US
- [72] HOSKONG, MARTIN, US
- [72] LEE, TOM TONG, US
- [72] GOULDING, JOHN CHARLES, US
- [71] FATE THERAPEUTICS, INC., US
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 - [54] TRAITEMENT COMBINE DU CANCER
 - [72] LAN, YAN, US
 - [72] LAZORCHAK, ADAM S., US
 - [71] ARES TRADING S.A., CH
 - [71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO. 4) LTD., GB
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 - [87] (WO2022/090529)
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- [54] REGIMES POUR LE TRAITEMENT DE TROUBLES LIÉS À LA PERTE DES CHEVEUX AVEC DES INHIBITEURS DE JAK DEUTERES
- [72] CASSELLA, JAMES V., US
- [71] SUN PHARMACEUTICAL INDUSTRIES, INC., US
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- [54] APPAREIL POUR L'EVALUATION DES PERFORMANCES D'UN ECHANGEUR DE CHALEUR GEOTHERMIQUE ET PROCEDES D'ESSAI ASSOCIES
- [72] ELLISON, GEOFF, GB
- [71] ELLISON ENVIRONMENTAL SERVICES LTD, GB
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- [54] VIRUS ONCOLYTIQUE AMPLIFIANT LA REPONSE DES LYMPHOCYTES T POUR UNE THERAPIE EFFICACE A BASE DE TIL
- [72] BEG, AMER, US
- [72] CANTWELL, MARK J., US
- [71] H. LEE MOFFITT CANCER CENTER AND RESEARCH INSTITUTE, INC., US
- [71] MEMGEN, INC., US
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- [72] CLACK, HEREK L., US
- [71] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US
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- [54] CELLULES EFFECTRICES IMMUNES ET CELLULES IPS MODIFIEES MULTIPLEXEES CIBLANT DES TUMEURS SOLIDES
- [72] VALAMEHR, BAHRAM, US
- [72] LEE, TOM T., US
- [72] YANG, BI-HUEI, US
- [72] PRIBADI, MOCHTAR, US
- [72] CHANG, CHIA-WEI, US
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- [30] US (63/109,842) 2020-11-04
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- [25] EN
- [54] EXPANSION JOINT
- [54] JOINT DE DILATATION
- [72] CRUIJFF, MARCEL, NL
- [71] TATA STEEL NEDERLAND TECHNOLOGY B.V., NL
- [85] 2023-04-24
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- [54] POLYTHERAPIE DU CANCER
- [72] SALA-HOJMAN, ADA, DE
- [72] CZAUDERNA, FRANK, US
- [72] LINDEMANN, RALPH, DE
- [72] FERRETTI, ROBERTA, US
- [72] RAMASWAMY, SHIVAPRIYA, US
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<p style="text-align: right;">[21] 3,196,558</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C03C 10/04 (2006.01) C03C 3/083 (2006.01) C03C 10/02 (2006.01)</p> <p>[25] EN</p> <p>[54] MICROCRYSTALLINE GLASS, MICROCRYSTALLINE GLASS PRODUCT AND MANUFACTURING METHOD THEREOF</p> <p>[54] VERRE MICROCRISTALLIN, PRODUIT DE VERRE MICROCRISTALLIN ET PROCEDE DE FABRICATION ASSOCIE</p> <p>[72] YUAN, BAOPING, CN</p> <p>[72] YU, TIANLAI, CN</p> <p>[72] LI, SAI, CN</p> <p>[72] JIANG, TAO, CN</p> <p>[72] CHEN, XUEMEI, CN</p> <p>[72] SU, YONG, CN</p> <p>[72] NIE, XIAOBING, CN</p> <p>[72] LIU, ZHENYU, CN</p> <p>[71] CDGM GLASS CO., LTD, CN</p> <p>[85] 2023-04-24</p> <p>[86] 2021-09-26 (PCT/CN2021/120633)</p> <p>[87] (WO2022/142526)</p> <p>[30] CN (202011645700.8) 2020-12-31</p>

<p style="text-align: right;">[21] 3,196,559</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 9/00 (2006.01) A61K 31/196 (2006.01) A61K 31/4709 (2006.01) A61K 47/12 (2006.01) A61K 47/40 (2006.01) A61K 47/44 (2017.01) A61P 29/00 (2006.01) A61P 31/04 (2006.01)</p> <p>[25] EN</p> <p>[54] OPHTHALMIC COMPOSITION</p> <p>[54] COMPOSITION OPHTALMIQUE</p> <p>[72] LEE, JOON YOUB, KR</p> <p>[72] KANG, HAE KYEONG, KR</p> <p>[72] HONG, HEE KYUNG, KR</p> <p>[71] TAEJOON PHARMACEUTICAL CO., LTD., KR</p> <p>[85] 2023-04-24</p> <p>[86] 2021-10-28 (PCT/KR2021/015342)</p> <p>[87] (WO2022/092868)</p> <p>[30] KR (10-2020-0142134) 2020-10-29</p>

<p style="text-align: right;">[21] 3,196,560</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C09D 11/17 (2014.01) A61K 8/81 (2006.01)</p> <p>[25] EN</p> <p>[54] MARKER COMPOSITION FOR SKIN</p> <p>[54] COMPOSITION DE MARQUAGE POUR LA PEAU</p> <p>[72] INOUE, KENSUKE, JP</p> <p>[72] SAGAWA, WATARU, JP</p> <p>[72] HAGA, HISATO, JP</p> <p>[71] MITSUBISHI PENCIL COMPANY, LIMITED, JP</p> <p>[85] 2023-04-24</p> <p>[86] 2021-10-22 (PCT/JP2021/039104)</p> <p>[87] (WO2022/091971)</p> <p>[30] JP (2020-180035) 2020-10-27</p>

<p style="text-align: right;">[21] 3,196,562</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. E21B 7/06 (2006.01) E21B 23/12 (2006.01)</p> <p>[25] EN</p> <p>[54] CONTINGENCY RELEASE OF MILL FROM WHIPSTOCK</p> <p>[54] LIBERATION D'URGENCE DE BROYEUR D'UN SIFFLET DEVIATEUR</p> <p>[72] PRAY, JEFFERY SCOTT, US</p> <p>[72] TEALE, DAVID W., US</p> <p>[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US</p> <p>[85] 2023-04-24</p> <p>[86] 2021-10-12 (PCT/US2021/054634)</p> <p>[87] (WO2022/115171)</p> <p>[30] US (17/103,838) 2020-11-24</p>

<p style="text-align: right;">[21] 3,196,561</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C04B 18/16 (2023.01) C04B 28/02 (2006.01) C04B 41/50 (2006.01)</p> <p>[25] EN</p> <p>[54] CARBONATION OF CONCRETE PRODUCTS</p> <p>[54] CARBONATATION DE PRODUITS DE BETON</p> <p>[72] EINARSDOTTIR, SOLEY, CA</p> <p>[72] FORGERON, DEAN PAUL, CA</p> <p>[72] HANMORE, ALEX, CA</p> <p>[72] THOMAS, MICHAEL, CA</p> <p>[72] MONKMAN, GEORGE SEAN, CA</p> <p>[71] CARBONCURE TECHNOLOGIES INC., CA</p> <p>[71] EINARSDOTTIR, SOLEY, CA</p> <p>[71] FORGERON, DEAN PAUL, CA</p> <p>[71] HANMORE, ALEX, CA</p> <p>[85] 2023-04-24</p> <p>[86] 2021-10-29 (PCT/IB2021/000718)</p> <p>[87] (WO2022/090796)</p>

<p style="text-align: right;">[21] 3,196,564</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 31/519 (2006.01) A61P 35/00 (2006.01) C07D 487/04 (2006.01)</p> <p>[25] EN</p> <p>[54] SOLID STATE FORMS OF SUBSTITUTED PYRAZOLOPYRIMIDINES AND USES THEREOF</p> <p>[54] FORMES DE PYRAZOLOPYRIMIDINES SUBSTITUEES A L'ETAT SOLIDE ET LEURS UTILISATIONS</p> <p>[72] LIU, HANLAN, US</p> <p>[72] WILT, JEREMY CLINTON, US</p> <p>[72] BLATTER, FRIEDRICH, CH</p> <p>[72] LAPADULA, GIUSEPPE, CH</p> <p>[71] KSQ THERAPEUTICS, INC., US</p> <p>[85] 2023-04-24</p> <p>[86] 2021-10-28 (PCT/US2021/057072)</p> <p>[87] (WO2022/094096)</p> <p>[30] US (63/107,765) 2020-10-30</p>

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[21] 3,196,565
[13] A1

[51] Int.Cl. B21D 37/14 (2006.01)
[25] EN
[54] MACHINE TOOL FOR THE SHAPING PRODUCTION OF AN ARTICLE AND METHOD FOR PRODUCING AN ARTICLE
[54] MACHINE-OUTIL POUR LA PRODUCTION PAR MISE EN FORME D'UN ARTICLE ET PROCEDE DE PRODUCTION D'UN ARTICLE
[72] AVEAMANN, JORG, DE
[72] DEPPER, STEVEN, DE
[72] KRAUS, DOMINIK, DE
[72] WAGNER, ROBERT, DE
[72] WOLF, BERND, DE
[71] CARL FREUDENBERG KG, DE
[85] 2023-04-24
[86] 2021-09-15 (PCT/EP2021/075308)
[87] (WO2022/089828)
[30] DE (10 2020 128 061.0) 2020-10-26

[21] 3,196,566
[13] A1

[51] Int.Cl. A61J 9/00 (2006.01) G06V 10/25 (2022.01) A61M 1/06 (2006.01) G01F 23/02 (2006.01)
[25] EN
[54] A BOTTLE ANALYSIS SYSTEM
[54] SYSTEME D'ANALYSE DE BOUTEILLE
[72] KOCKX, FRANCISCUS NICOLAAS, NL
[72] JASCHKE, LENA MARIA, NL
[72] SINGHVI, PRIYANKA, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2023-04-24
[86] 2021-10-14 (PCT/EP2021/078425)
[87] (WO2022/089944)
[30] EP (20204105.9) 2020-10-27

[21] 3,196,567
[13] A1

[51] Int.Cl. A47B 96/06 (2006.01) F16B 12/24 (2006.01)
[25] EN
[54] COMBINATION OF A SUPPORT DEVICE WITH A SEAT OF A SHELF FOR FURNITURE SHELVES WITH OPTIMISED LOAD TRANSFER
[54] COMBINAISON D'UN DISPOSITIF DE SUPPORT AVEC UN SIEGE D'UNE ETAGERE POUR DES ETAGERES DE MEUBLES A TRANSFERT DE CHARGE OPTIMISE
[72] CATTANEO, CARLO, IT
[71] LEONARDO S.R.L., IT
[85] 2023-04-24
[86] 2021-10-29 (PCT/IB2021/060027)
[87] (WO2022/096999)
[30] IT (102020000026434) 2020-11-05

[21] 3,196,568
[13] A1

[51] Int.Cl. A61K 9/00 (2006.01) A61K 31/355 (2006.01) A61K 31/496 (2006.01) A61P 27/02 (2006.01) A61P 27/14 (2006.01)
[25] EN
[54] OPHTHALMIC COMPOSITIONS COMPRISING CETIRIZINE AND TOCOFERSOLAN
[54] COMPOSITIONS OPHTALMIQUES COMPRENANT DE LA CETIRIZINE ET DU TOCOFERSOLAN
[72] LEE, JOON YOUB, KR
[72] RYU, SANG ROK, KR
[72] KIM, HAN GYEOL, KR
[71] TAEJOON PHARMACEUTICAL CO., LTD., KR
[85] 2023-04-24
[86] 2021-11-17 (PCT/KR2021/016900)
[87] (WO2022/108334)
[30] KR (10-2020-0154712) 2020-11-18

[21] 3,196,569
[13] A1

[51] Int.Cl. A61K 38/17 (2006.01) A61K 39/395 (2006.01) A61P 37/02 (2006.01) C07K 19/00 (2006.01)
[25] EN
[54] METHOD FOR TREATING IGA NEPHROPATHY WITH TACI-FC FUSION PROTEIN
[54] PROCEDE DE TRAITEMENT D'UNE NEPHROPATHIE A IGA AVEC UNE PROTEINE DE FUSION TACI-FC
[72] FANG, JIANMIN, CN
[72] WANG, WENXIANG, CN
[71] REMEGEN CO., LTD., CN
[85] 2023-04-24
[86] 2022-08-09 (PCT/CN2022/111112)
[87] (WO2023/016444)
[30] CN (202110915873.5) 2021-08-10

[21] 3,196,570
[13] A1

[51] Int.Cl. B31B 50/04 (2017.01) B31B 50/26 (2017.01) B65B 5/02 (2006.01) B65G 54/02 (2006.01)
[25] EN
[54] A SYSTEM AND A METHOD FOR ASSEMBLING A PACKAGING
[54] SYSTEME ET PROCEDE D'ASSEMBLAGE D'UN EMBALLAGE
[72] DEKOCKER, WIM, BE
[72] THOMPSON, KEENAN, BE
[72] NARDUCCI, ANNALISA, BE
[72] FERREIRA, GLENN, BE
[72] DUPERRAY, PHILIPPE JEAN MARIE, FR
[72] PEELMAN, MANU, BE
[72] VAN MOER, TOM, BE
[72] VANHEUVERBEKE, ARNE, BE
[72] TRIEST, FREDERIK, BE
[72] ROMBAUT, DAVID, BE
[72] EYLENBOSCH, BEN, BE
[72] VERCAUTEREN, BJORN, BE
[72] CERPENTIER, TIM, BE
[72] VANCOSTER, RODERIK, BE
[72] PLATTEEUW, KRISTOF, BE
[71] ANHEUSER-BUSCH INBEV S.A., BE
[85] 2023-04-24
[86] 2021-10-28 (PCT/EP2021/080056)
[87] (WO2022/090429)
[30] BE (BE2020/5773) 2020-10-29

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[21] **3,196,571**
[13] A1

[51] Int.Cl. A47B 96/06 (2006.01) F16B
12/24 (2006.01)
[25] EN
[54] SUPPORT DEVICE FOR
FURNITURE SHELVES WITH
OPTIMISED LOAD TRANSFER
[54] DISPOSITIF DE SUPPORT
D'ETAGERES DE MEUBLE A
TRANSFERT DE CHARGE
OPTIMISE
[72] CATTANEO, CARLO, IT
[71] LEONARDO S.R.L., IT
[85] 2023-04-24
[86] 2021-10-29 (PCT/IB2021/060030)
[87] (WO2022/097001)
[30] IT (102020000026437) 2020-11-05

[21] **3,196,572**
[13] A1

[51] Int.Cl. C07D 487/04 (2006.01)
[25] EN
[54] COMPOUND AND PREPARATION
METHOD THEREOF AND
APPLICATION THEREOF IN
PREPARATION OF
THERAPEUTIC ANTI-CANCER
DRUG
[54] COMPOSE, SON PROCEDE DE
PREPARATION ET SON
UTILISATION DANS LA
PREPARATION D'UN
MEDICAMENT
ANTICANCEREUX
THERAPEUTIQUE
[72] YANG, CHENG, US
[72] YANG, GUANG, CN
[72] ZHOU, HONGGANG, CN
[72] ZHANG, LIANG, CN
[72] LI, JIAN, CN
[72] LUN, DONGCHAO, CN
[71] TIANJIN JIKUN MEDICAL
TECHNOLOGY CO., LTD., CN
[85] 2023-04-24
[86] 2021-09-24 (PCT/CN2021/120046)
[87] (WO2022/127261)
[30] CN (202011483614.1) 2020-12-16

[21] **3,196,573**
[13] A1

[51] Int.Cl. A61B 6/00 (2006.01) A61B 6/02
(2006.01) A61B 6/03 (2006.01) A61N
5/00 (2006.01) A61N 5/10 (2006.01)
[25] EN
[54] AN IRRADIATION APPARATUS
[54] APPAREIL DE RAYONNEMENT
[72] MCLAUGHLIN, WILLIAM, US
[72] LAVIOLA, JOHN, US
[72] BULLARD, EDWARD FREDERICK,
GB
[71] SCINTACOR LIMITED, GB
[71] PRECISION X-RAY, INC., US
[85] 2023-04-24
[86] 2021-10-22 (PCT/US2021/056177)
[87] (WO2022/087357)
[30] GB (2016906.6) 2020-10-24

[21] **3,196,574**
[13] A1

[51] Int.Cl. C23C 22/44 (2006.01)
[25] EN
[54] ZR, MO AND ACID-FUNCTIONAL
POLYMER CONTAINING
AQUEOUS COMPOSITIONS FOR
TREATMENT OF METALLIC
SURFACES
[54] COMPOSITIONS AQUEUSES
CONTENANT UN POLYMER A
FONCTIONS ZR, MO ET ACIDE
POUR LE TRAITEMENT DE
SURFACES METALLIQUES
[72] KHELFALLAH, NAWEL SOUAD, DE
[72] BURKHARDT, THOMAS, DE
[72] OSTROVSKY, ILYA, DE
[72] WALTER, MANFRED, DE
[72] GASPARIC, SVEN DANIEL, DE
[72] ROTHER-NOEDING, HELEN, DE
[71] NIPPON PAIN CO., LTD., DE
[85] 2023-04-24
[86] 2021-10-28 (PCT/EP2021/079972)
[87] (WO2022/090388)
[30] EP (20204599.3) 2020-10-29

[21] **3,196,575**
[13] A1

[51] Int.Cl. F17C 6/00 (2006.01)
[25] EN
[54] DEVICE AND METHOD FOR
FILLING CRYOGENIC TANKS
[54] DISPOSITIF ET PROCEDE DE
REmplissage de RESERVOIRS
CRYOGENIQUES
[72] GUSTAFSON, ERIK, US
[71] CHART INC., US
[85] 2023-04-24
[86] 2021-11-11 (PCT/US2021/058946)
[87] (WO2022/103940)
[30] US (63/112,803) 2020-11-12

[21] **3,196,576**
[13] A1

[51] Int.Cl. A61N 5/00 (2006.01) A61N
5/10 (2006.01) G21K 1/10 (2006.01)
[25] EN
[54] AN IRRADIATION APPARATUS
[54] APPAREIL D'IRRADIATION
[72] MCLAUGHLIN, WILLIAM, US
[72] LAVIOLA, JOHN, US
[72] BULLARD, EDWARD FREDERICK,
GB
[71] SCINTACOR LIMITED, GB
[71] PRECISION X-RAY, INC., US
[85] 2023-04-24
[86] 2021-10-22 (PCT/US2021/056183)
[87] (WO2022/087363)
[30] GB (2016907.4) 2020-10-24

[21] **3,196,577**
[13] A1

[51] Int.Cl. G06F 21/86 (2013.01) G06F
21/83 (2013.01)
[25] FR
[54] SECURITY MODULE,
ELECTRONIC PAYMENT
TERMINAL, CORRESPONDING
DETECTION METHOD
[54] MODULE DE SECURITE,
TERMINAL DE PAIEMENT
ELECTRONIQUE, PROCEDE DE
DETECTION CORRESPONDANT
[72] GRANDDIDIER, YANN, FR
[72] ANDRE, JEROME, FR
[71] BANKS AND ACQUIRERS
INTERNATIONAL HOLDING, FR
[85] 2023-04-24
[86] 2021-11-02 (PCT/EP2021/080403)
[87] (WO2022/096463)
[30] FR (FR2011312) 2020-11-04

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[21] 3,196,578
[13] A1

- [51] Int.Cl. B01D 53/02 (2006.01) B01J 20/02 (2006.01) B01J 20/06 (2006.01) B01J 20/30 (2006.01) B01J 23/656 (2006.01) B01J 37/03 (2006.01) C01B 3/00 (2006.01) F17C 3/08 (2006.01) H01J 7/18 (2006.01)
- [25] EN
- [54] GETTER MATERIAL, TANKS CONTAINING THE SAME, AND METHODS OF MAKING AND USING GETTER MATERIAL TO ABSORB HYDROGEN
- [54] MATERIAU GETTER, RESERVOIRS CONTENANT CELUI-CI, PROCEDES DE FABRICATION ET D'UTILISATION DE MATERIAU GETTER POUR ABSORBER L'HYDROGENE
- [72] GUSTAFSON, ERIK, US
[71] CHART INC., US
[85] 2023-04-24
[86] 2021-11-18 (PCT/US2021/059850)
[87] (WO2022/109109)
[30] US (63/117,122) 2020-11-23
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[21] 3,196,579
[13] A1

- [51] Int.Cl. B01D 9/02 (2006.01) B01D 17/022 (2006.01) B01D 21/28 (2006.01) B01D 37/02 (2006.01) B01D 37/03 (2006.01)
- [25] EN
- [54] SYSTEMS AND METHODS FOR DESALINATION OF LIQUIDS
- [54] SYSTEMES ET PROCEDES DE DESSALEMENT DE LIQUIDES
- [72] BUSH, GARRY, CA
[72] KEETCH, ROBERT, US
[71] ACQUOLINA IL MONDO, LLC, US
[85] 2023-04-24
[86] 2020-10-25 (PCT/CA2020/051431)
[87] (WO2022/082292)
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[21] 3,196,580
[13] A1

- [51] Int.Cl. G06K 7/00 (2006.01)
[25] FR
- [54] SOLDERABLE CHIP CARD CONNECTOR AND CORRESPONDING ASSEMBLY METHOD
- [54] CONNECTEUR DE CARTE A PUCE SOUDABLE ET PROCEDE DE MONTAGE CORRESPONDANT
- [72] ANDRE, JEROME, FR
[72] GRANDDIDIER, YANN, FR
[71] BANKS AND ACQUIRERS INTERNATIONAL HOLDING, FR
[85] 2023-04-24
[86] 2021-10-29 (PCT/EP2021/080213)
[87] (WO2022/090516)
[30] FR (FR2011174) 2020-10-30
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[21] 3,196,581
[13] A1

- [51] Int.Cl. C04B 35/00 (2006.01) C08G 79/00 (2006.01)
[25] EN
- [54] COMPOSITION AND PREPARATION FOR HAFNIUM CARBIDE CERAMIC PRECURSOR
- [54] COMPOSITION ET PREPARATION POUR PRECURSEUR CERAMIQUE A BASE DE CARBURE D'HAFNIUM
- [72] SHEN, HOWARD Q., US
[71] STARFIRE SYSTEMS, INC., US
[85] 2023-04-24
[86] 2021-10-29 (PCT/US2021/057213)
[87] (WO2022/094185)
[30] US (63/107,615) 2020-10-30
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[21] 3,196,582
[13] A1

- [51] Int.Cl. A61K 31/439 (2006.01) A61K 31/444 (2006.01) A61K 31/4545 (2006.01)
- [25] EN
- [54] BICYCLIC COMPOUNDS AND USES THEREOF FOR THE TREATMENT OF DISEASES
- [54] COMPOSES BICYCLIQUES ET LEURS UTILISATIONS POUR LE TRAITEMENT DE MALADIES
- [72] KAWAS, LEEN, US
[72] CHURCH, KEVIN, US
[72] TAYLOR, ROBERT, US
[72] JOHNSTON, JEWEL, US
[72] BOATMAN, DOUGLAS, US
[71] ATHIRA PHARMA, INC., US
[85] 2023-04-24
[86] 2021-11-01 (PCT/US2021/057563)
[87] (WO2022/094400)
[30] US (63/108,660) 2020-11-02
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[21] 3,196,583
[13] A1

- [51] Int.Cl. H04L 9/40 (2022.01) H04W 12/02 (2009.01) H04W 12/108 (2021.01) H04W 12/47 (2021.01)
- [25] EN
- [54] SECURE VERIFICATION OF MEDICAL STATUS USING A CONTACTLESS CARD
- [54] VERIFICATION SECURISEE D'UN STATUT MEDICAL AU MOYEN D'UNE CARTE SANS CONTACT
- [72] OSBORN, KEVIN, US
[72] RULE, JEFFREY, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2023-04-24
[86] 2021-10-29 (PCT/US2021/057215)
[87] (WO2022/094187)
[30] US (17/086,029) 2020-10-30

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[13] A1

[51] Int.Cl. A61H 1/00 (2006.01) A61H
23/00 (2006.01) A61H 33/00 (2006.01)
A61H 33/06 (2006.01) A61H 35/00
(2006.01) A61M 21/00 (2006.01)

[25] EN

[54] RECOVERY AND WELLNESS POD APPARATUS

[54] APPAREIL DE TYPE CAPSULE DE RECUPERATION ET DE BIEN-ETRE

[72] LUNTER, PAUL, US

[72] ELLIOT, TIMOTHY, US

[72] SIMOES, MARIO, US

[71] JTL ENTERPRISES, INC., US

[85] 2023-04-24

[86] 2021-10-28 (PCT/US2021/056930)

[87] (WO2022/094006)

[30] US (63/106,697) 2020-10-28

[30] US (17/511,914) 2021-10-27

[21] **3,196,588**
[13] A1

[51] Int.Cl. A61K 31/436 (2006.01) A61K
47/14 (2017.01)

[25] EN

[54] A RAPAMYCIN COMPOSITION

[54] COMPOSITION DE RAPAMYCINE

[72] ATKINSON, HARTLEY, NZ

[71] AFT PHARMACEUTICALS LIMITED, NZ

[85] 2023-04-24

[86] 2021-11-04 (PCT/NZ2021/050194)

[87] (WO2022/114964)

[30] AU (2020277132) 2020-11-24

[21] **3,196,589**
[13] A1

[51] Int.Cl. G06Q 10/00 (2023.01)

[25] EN

[54] OCCUPANCY DETERMINATION METHOD AND SYSTEM

[54] PROCEDE ET SYSTEME DE DETERMINATION D'OCCUPATION

[72] PERRAS, STEFAN, DE

[72] SOLER GARRIDO, JOSEP, ES

[71] SIEMENS AKTIENGESELLSCHAFT, DE

[85] 2023-04-24

[86] 2021-10-14 (PCT/EP2021/078481)

[87] (WO2022/089950)

[30] EP (20204877.3) 2020-10-30

[21] **3,196,590**
[13] A1

[25] EN

[54] VISUAL DETECTION OF HALOCLINES

[54] DETECTION VISUELLE D'HALOCLINES

[72] JAMES, BARNABY JOHN, US

[71] X DEVELOPMENT LLC, US

[85] 2023-04-24

[86] 2021-10-14 (PCT/US2021/055022)

[87] (WO2022/086787)

[30] US (17/078,490) 2020-10-23

[21] **3,196,591**
[13] A1

[51] Int.Cl. A61B 90/00 (2016.01) A61F
2/12 (2006.01) A61M 29/00 (2006.01)

[25] EN

[54] SYSTEMS AND METHODS FOR TISSUE EXPANSION

[54] SYSTEMES ET METHODES D'EXPANSION TISSULAIRE

[72] GEIGER, STEVEN CHARLES, US

[72] CARLISLE, DAN, US

[72] MCCLELLAN, TOM, US

[71] SIENTRA, INC, US

[85] 2023-04-24

[86] 2021-10-22 (PCT/US2021/056252)

[87] (WO2022/087410)

[30] US (63/104,331) 2020-10-22

[21] **3,196,592**
[13] A1

[51] Int.Cl. B60P 1/44 (2006.01)

[25] EN

[54] LOADING/UNLOADING DEVICE FOR A DELIVERY VEHICLE

[54] DISPOSITIF DE CHARGEMENT/DECHARGEMENT POUR VEHICULE DE LIVRAISON

[72] PRESBY, DAVID W., US

[71] PRESBY, DAVID W., US

[85] 2023-04-24

[86] 2021-03-31 (PCT/US2021/025024)

[87] (WO2022/103425)

[30] US (17/094,291) 2020-11-10

[21] **3,196,593**
[13] A1

[51] Int.Cl. A23L 19/00 (2016.01) A23L
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[25] EN

[54] OLIVE-DERIVED COMPOSITIONS

[54] COMPOSITIONS DERIVEES D'OLIVES

[72] KATSAROU, MARTHA-SPYRIDOULA, GR

[72] MAGIATIS, PROKOPIOS, GR

[72] MELLIOU, ELENI, GR

[72] DRAKOULIS, NIKOLAOS, GR

[71] MEDIAKOS GMBH, DE

[85] 2023-04-24

[86] 2021-10-26 (PCT/EP2021/079613)

[87] (WO2022/090192)

[30] EP (20203915.2) 2020-10-26

[21] **3,196,597**
[13] A1

[51] Int.Cl. C12N 7/00 (2006.01)

[25] EN

[54] LACTAM-MODIFIED ADENO-ASSOCIATED VIRUS VECTORS

[54] VECTEURS DE VIRUS ADENO-ASSOCIES MODIFIES PAR LACTAME

[72] LEFEVRE, GAELLE, FR

[72] BROEKERT, WILLEM, FR

[72] FERRY, NICOLAS, FR

[72] GLOSSOP, MELANIE, FR

[72] GIBSON, KARL, FR

[71] COAVE THERAPEUTICS, FR

[85] 2023-04-25

[86] 2021-11-05 (PCT/EP2021/080832)

[87] (WO2022/096681)

[30] EP (PCT/EP2020/081396) 2020-11-06

[30] US (63/187,648) 2021-05-12

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[21] 3,196,601
[13] A1

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- [25] EN
- [54] FIRE- RESISTANT OVERLAYS, FIRE-RESISTANT PANELS, AND PROCESSES FOR MAKING AND USING SAME
- [54] RECOUVREMENTS IGNIFUGES, PANNEAUX IGNIFUGES ET PROCEDES POUR LEUR FABRICATION ET LEUR UTILISATION
- [72] JORDAN, RICHARD DAVID, US
- [72] GOINS, ALLISON NICOLE, US
- [72] MENSAH, RONALD LARYEA, US
- [72] CHAN, CHARLES CHI CHUEN, US
- [71] GP BUILDING PRODUCTS SERVICES LLC, US
- [85] 2023-04-25
- [86] 2022-03-22 (PCT/IB2022/052600)
- [87] (WO2022/201018)
- [30] US (63/164,867) 2021-03-23
- [30] US (63/321,169) 2022-03-18

[21] 3,196,602
[13] A1

- [51] Int.Cl. G01R 31/52 (2020.01)
- [25] EN
- [54] CURRENT DETECTION CIRCUIT, CURRENT LEAKAGE DETECTION METHOD, AND CHARGING SYSTEM
- [54] CIRCUIT DE DETECTION DE COURANT, PROCEDE DE DETECTION DE FUITE DE COURANT ET SYSTEME DE CHARGE
- [72] WANG, CHAO, CN
- [71] CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD., CN
- [85] 2023-04-25
- [86] 2021-11-11 (PCT/CN2021/129979)
- [87] (WO2022/105663)
- [30] CN (202011289085.1) 2020-11-17

[21] 3,196,605
[13] A1

- [51] Int.Cl. B61G 3/04 (2006.01) B61G 3/06 (2006.01)
- [25] EN
- [54] COUPLING ARRANGEMENT
- [54] AGENCEMENT D'ATTelage
- [72] SIMSON, SCOTT ANDREW, AU
- [71] BRADKEN RESOURCES PTY LIMITED, AU
- [85] 2023-04-25
- [86] 2021-10-22 (PCT/AU2021/051234)
- [87] (WO2022/087654)
- [30] AU (2020903942) 2020-10-30
- [30] AU (2021218170) 2021-08-19

[21] 3,196,606
[13] A1

- [51] Int.Cl. C07D 333/10 (2006.01) A61P 25/14 (2006.01) A61P 25/16 (2006.01) A61P 25/24 (2006.01)
- [25] EN
- [54] TETRAHYDRONAPHTHALENE COMPOUNDS, PHARMACEUTICAL COMPOSITIONS, AND USES THEREOF
- [54] COMPOSE TETRAHYDRONAPHTHALENE, COMPOSITION PHARMACEUTIQUE ET UTILISATION ASSOCIEES

- [72] LI, DEYAO, CN
- [72] ZHOU, YIQIAN, CN
- [72] GUO, QI, CN
- [72] YOU, HUAJIN, CN
- [72] ZHANG, LIJUN, CN
- [72] ZHANG, JIANCUN, CN
- [71] GUANGZHOU HENOVCOM BIOSCIENCE CO., LTD., CN
- [85] 2023-04-25
- [86] 2021-10-26 (PCT/CN2021/126336)
- [87] (WO2022/089408)
- [30] CN (202011162561.3) 2020-10-27

[21] 3,196,607
[13] A1

- [51] Int.Cl. B01J 21/04 (2006.01) B01J 23/80 (2006.01) B01J 35/10 (2006.01) B01J 37/03 (2006.01) B01J 37/08 (2006.01) C01B 3/16 (2006.01) C01B 3/48 (2006.01)
- [25] EN
- [54] PROCESS FOR PRODUCING HYDROGEN FROM CO-RICH GASES
- [54] PROCESSUS POUR PRODUIRE DE L'HYDROGÈNE A PARTIR DE GAZ RICHES EN CO PROCEDE POUR PRODUIRE DE L'HYDROGÈNE A PARTIR DE GAZ RICHES EN CO.
- [72] BURN, JEREMY NEIL, DK
- [72] MONTESANO LOPEZ, RAUL, DK
- [72] SEHESTED, JENS, DK
- [72] JORGENSEN, SUSANNE LÆGSGAARD, DK
- [72] SCHJODT, NIELS CHRISTIAN, DK
- [71] TOPSOE A/S, DK
- [85] 2023-04-25
- [86] 2021-11-24 (PCT/EP2021/082794)
- [87] (WO2022/112311)
- [30] EP (20209525.3) 2020-11-24
- [30] EP (20209527.9) 2020-11-24
- [30] EP (21159622.6) 2021-02-26

[21] 3,196,609
[13] A1

- [51] Int.Cl. A61K 38/00 (2006.01) A61K 38/28 (2006.01) A61K 48/00 (2006.01) C12N 15/86 (2006.01)
- [25] EN
- [54] VIRAL VECTORS ENCODING CANINE INSULIN FOR TREATMENT OF METABOLIC DISEASES IN DOGS
- [54] VECTEURS VIRAUX CODANT POUR L'INSULINE DE CHIEN POUR LE TRAITEMENT DE MALADIES METABOLIQUES CHEZ LES CHIENS
- [72] WILSON, JAMES M., US
- [72] HINDERER, CHRISTIAN, US
- [72] HORIUCHI, MAKOTO, US
- [71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
- [85] 2023-04-25
- [86] 2021-11-04 (PCT/US2021/058105)
- [87] (WO2022/098906)
- [30] US (63/109,620) 2020-11-04

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[21] 3,196,610
[13] A1

[51] Int.Cl. G16H 50/80 (2018.01) H04W 12/06 (2021.01) H04W 4/029 (2018.01)
[25] EN
[54] SYSTEM AND METHOD FOR DETERMINING THE LOCATION OF PERSONS
[54] SYSTEME ET PROCEDE DE DETERMINATION DE LOCALISATION DE PERSONNES
[72] IORDACHESCU, ADRIAN, AU
[71] PAIMCOS PTY LTD, AU
[85] 2023-04-25
[86] 2021-08-25 (PCT/AU2021/050966)
[87] (WO2022/087647)
[30] AU (2020903871) 2020-10-26

[21] 3,196,613
[13] A1

[51] Int.Cl. A61K 35/741 (2015.01) A61K 35/747 (2015.01)
[25] EN
[54] PROBIOTIC COMPOSITIONS AND METHODS AGAINST INTESTINAL BARRIER DYSFUNCTION AND HEAT STRESS
[54] COMPOSITIONS PROBIOTIQUES ET METHODES CONTRE UN DYSFONCTIONNEMENT DE LA BARRIERE INTESTINALE ET UN STRESS THERMIQUE
[72] CHUA, KOON JIEW, SG
[72] HWANG, IN YOUNG, SG
[72] CHANG, MATTHEW WOOK, SG
[72] LING, HUA, SG
[71] NATIONAL UNIVERSITY OF SINGAPORE, SG
[85] 2023-04-25
[86] 2021-10-29 (PCT/SG2021/050662)
[87] (WO2022/093128)
[30] SG (10202010833R) 2020-10-30

[21] 3,196,615
[13] A1

[51] Int.Cl. B65B 3/00 (2006.01) B65B 7/28 (2006.01) B67B 3/00 (2006.01) B67B 3/02 (2006.01) B67C 7/00 (2006.01)
[25] EN
[54] DEVICE FOR CLOSING PHARMACEUTICAL CONTAINERS
[54] DISPOSITIF POUR FERMER DES CONTENANTS PHARMACEUTIQUES
[72] ILGENFRITZ, MARKUS, DE
[72] NAGLER, STEFAN, DE
[72] KRAUSS, ULRICH, DE
[71] SYNTEGON TECHNOLOGY GMBH, DE
[85] 2023-04-25
[86] 2021-11-19 (PCT/EP2021/082235)
[87] (WO2022/112106)
[30] DE (10 2020 131 098.6) 2020-11-24

[21] 3,196,618
[13] A1

[51] Int.Cl. A01G 9/24 (2006.01) A01K 1/01 (2006.01) B01D 53/62 (2006.01) B09C 1/10 (2006.01)
[25] EN
[54] METHODS FOR PRODUCING REDUCED CARBON FOOTPRINT LIVESTOCK
[54] PROCEDES DE PRODUCTION DE BETAIL A EMPREINTE CARBONE REDUITE
[72] ZORNER, PAUL, US
[72] ADAMS, KENT, US
[72] FARMER, SEAN, US
[71] LOCUS SOLUTIONS IPCO, LLC., US
[85] 2023-04-25
[86] 2021-10-29 (PCT/US2021/057226)
[87] (WO2022/094195)
[30] US (63/108,392) 2020-11-01
[30] US (63/119,284) 2020-11-30

[21] 3,196,619
[13] A1

[51] Int.Cl. A24C 1/02 (2006.01) A24C 1/10 (2006.01) A24C 1/36 (2006.01) A24C 5/12 (2006.01) A24C 5/18 (2006.01) A24C 5/28 (2006.01)
[25] EN
[54] CIGARETTE MAKER
[54] DISPOSITIF DE FABRICATION DE CIGARETTES
[72] DANIEK, MICHAEL, US
[72] YANG, SHENGJI, US
[72] ATAI, HAMID, US
[71] HAUNI RICHMOND, INC., US
[85] 2023-04-25
[86] 2021-10-22 (PCT/US2021/071994)
[87] (WO2022/094534)
[30] US (63/105,649) 2020-10-26

[21] 3,196,621
[13] A1

[51] Int.Cl. A61K 9/00 (2006.01) A61K 9/70 (2006.01) A61K 38/17 (2006.01) A61K 38/39 (2006.01) A61K 39/395 (2006.01) A61K 45/00 (2006.01)
[25] EN
[54] HYDROGEL COMPOSITIONS AND METHODS OF USE THEREOF
[54] COMPOSITIONS D'HYDROGEL ET METHODES D'UTILISATION
[72] HEILSHORN, SARAH, US
[72] SUHAR, RILEY, US
[72] HUNT, DANIEL, US
[71] THE BOARD OF TRUSTEES OF THE LEELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2023-04-25
[86] 2021-11-03 (PCT/US2021/057925)
[87] (WO2022/098777)
[30] US (63/110,667) 2020-11-06

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[21] 3,196,623
[13] A1

- [51] Int.Cl. A01K 67/033 (2006.01) B65G 1/04 (2006.01) B65G 1/14 (2006.01)
 [25] EN
[54] SUPPORT ELEMENT FOR STORING CRATES, SUPPORT SYSTEM FOR STORING CRATES, STORAGE SYSTEM FOR STORING CRATES AND REARING UNIT FOR REARING OF INSECTS OR INSECT LARVAE OR WORMS
[54] ELEMENT SUPPORT POUR STOCKER DES CAISSES, SYSTEME DE SUPPORT POUR STOCKER DES CAISSES, SYSTEME DE STOCKAGE POUR STOCKER DES CAISSES ET UNITE D'ELEVAGE POUR L'ELEVAGE D'INSECTES OU DE LARVES OU DE VERS D'INSECTE
 [72] GILLIS, JACOBUS HENRICUS ANTONIUS MARIA, NL
 [72] DE GELDER, VINCENT, NL
 [72] HEIJNEN, HENDRIKUS PETRUS, NL
 [72] JANSEN, MAURITS PETRUS MARIA, NL
 [71] BUHLER AG, CH
 [85] 2023-04-25
 [86] 2021-09-21 (PCT/EP2021/075920)
 [87] (WO2022/100913)
 [30] EP (20 20 6579.3) 2020-11-10
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[21] 3,196,627
[13] A1

- [51] Int.Cl. B64C 13/18 (2006.01) B64C 27/08 (2023.01)
 [25] EN
[54] MULTIFUNCTION DYNAMIC VISUAL DISPLAY FOR INTERACTIVE USER EXPERIENCE
[54] AFFICHAGE VISUEL DYNAMIQUE MULTIFONCTION POUR EXPERIENCE UTILISATEUR INTERACTIVE
 [72] MORRISON, BRIAN D., US
 [72] FALT, PETER F., US
 [71] ALAKAI TECHNOLOGIES CORPORATION, US
 [85] 2023-04-25
 [86] 2021-10-27 (PCT/US2021/056866)
 [87] (WO2022/093969)
 [30] US (63/108,090) 2020-10-30
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[21] 3,196,628
[13] A1

- [51] Int.Cl. C12M 1/12 (2006.01) C12M 1/34 (2006.01) C12M 3/06 (2006.01)
 [25] EN
[54] DEVICES AND METHODS FOR MONITORING CELLS, TISSUES, OR ORGANS-ON-A-CHIP
[54] DISPOSITIFS ET PROCEDES POUR SURVEILLER DES CELLULES, TISSUS OU ORGANES SUR PUCE
 [72] COGNETTI, JOHN, US
 [72] MILLER, BENJAMIN, US
 [72] AWAD, HANI, US
 [72] MCGRATH, JAMES, US
 [72] AJALIK, RAQUEL, US
 [71] UNIVERSITY OF ROCHESTER, US
 [85] 2023-04-25
 [86] 2021-11-08 (PCT/US2021/058498)
 [87] (WO2022/099161)
 [30] US (63/110,971) 2020-11-06
 [30] US (63/111,054) 2020-11-08
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[21] 3,196,629
[13] A1

- [51] Int.Cl. G01S 19/41 (2010.01) G01S 19/04 (2010.01) G01S 19/29 (2010.01) G01S 19/37 (2010.01)
 [25] EN
[54] ADAPTIVE ESTIMATION OF GNSS SATELLITE BIASES
[54] ESTIMATION ADAPTATIVE DE BIAIS DE SATELLITES GNSS
 [72] DAI, LIWEN, US
 [72] CHEN, YIQUN, US
 [71] DEERE & COMPANY, US
 [85] 2023-04-25
 [86] 2021-11-19 (PCT/US2021/072516)
 [87] (WO2022/164580)
 [30] US (63/143,921) 2021-01-31
 [30] US (63/201,612) 2021-05-06
 [30] US (17/448,390) 2021-09-22

[21] 3,196,632
[13] A1

- [51] Int.Cl. B65C 9/40 (2006.01)
 [25] EN
[54] METHOD FOR OPERATING A LABELING SYSTEM
[54] PROCEDE DE FONCTIONNEMENT D'UN SYSTEME D'ETIQUETAGE
 [72] VICKTORIUS, WINFRIED, DE
 [72] WOLFF, PETER, DE
 [72] BECKERS, RONNIE, BE
 [71] ESPERA-WERKE GMBH, DE
 [85] 2023-04-25
 [86] 2021-10-21 (PCT/EP2021/079231)
 [87] (WO2022/100980)
 [30] DE (10 2020 129 829.3) 2020-11-12
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[21] 3,196,634
[13] A1

- [51] Int.Cl. A23L 5/00 (2016.01) A23L 27/20 (2016.01) C12G 3/04 (2019.01)
 [25] EN
[54] METHOD FOR PRODUCING DRINK OR FOOD HAVING GREEN NOTE, AND DRINK OR FOOD
[54] PROCEDE DE PRODUCTION D'UNE BOISSON OU D'UN ALIMENT AYANT UNE NOTE VERTE, ET BOISSON OU ALIMENT
 [72] SUGIMOTO, TOSHIKAZU, JP
 [72] WATANABE, KENTARO, JP
 [72] INO, DAISUKE, JP
 [72] FUJITA, HIROFUMI, JP
 [71] PANASONIC HOLDINGS CORPORATION, JP
 [85] 2023-04-25
 [86] 2021-10-26 (PCT/JP2021/039409)
 [87] (WO2022/097531)
 [30] JP (2020-184292) 2020-11-04

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<p>[21] 3,196,635 [13] A1</p> <p>[51] Int.Cl. H04W 72/04 (2023.01)</p> <p>[25] EN</p> <p>[54] METHOD, DEVICE, AND SYSTEM FOR TRANSMISSION RESOURCE OR TRANSMISSION PARAMETERS UPDATE IN WIRELESS NETWORKS</p> <p>[54] PROCEDE, DISPOSITIF, ET SYSTEME DE MISE A JOUR DE PARAMETRES DE TRANSMISSION OU DE RESSOURCE DE TRANSMISSION DANS DES RESEAUX SANS FIL</p> <p>[72] CHEN, MENGZHU, CN [72] HU, YUZHOU, CN [72] TANG, HONG, CN [72] XU, JIAJUN, CN [72] GUO, QIUJIN, CN [72] MA, XIAOYING, CN [72] XU, JUN, CN [71] ZTE CORPORATION, CN [85] 2023-04-25 [86] 2021-01-15 (PCT/CN2021/072215) [87] (WO2022/151371)</p>

<p>[21] 3,196,636 [13] A1</p> <p>[51] Int.Cl. C12M 1/00 (2006.01) C12M 1/42 (2006.01) C12M 3/00 (2006.01)</p> <p>[25] EN</p> <p>[54] DEVICE FOR TREATING CELLS IN A BYPASS</p> <p>[54] DISPOSITIF DE TRAITEMENT DE CELLULES DANS UNE DERIVATION</p> <p>[72] BUCHMANN, LEANDRO, CH [72] SENN, MICHAEL, CH [71] BUHLER AG, CH [85] 2023-04-25 [86] 2021-11-03 (PCT/EP2021/080498) [87] (WO2022/106202) [30] EP (20208112.1) 2020-11-17</p>

<p>[21] 3,196,637 [13] A1</p> <p>[51] Int.Cl. A61L 9/20 (2006.01) F24F 8/10 (2021.01) F24F 8/167 (2021.01) F24F 8/22 (2021.01) F24F 3/16 (2021.01)</p> <p>[25] EN</p> <p>[54] INSERT DEVICE FOR AN AIR CONDITIONING INSTALLATION AND AIR CONDITIONING INSTALLATION WITH INSERT DEVICE</p> <p>[54] DISPOSITIF RAPPORTÉ POUR INSTALLATION DE CLIMATISATION ET INSTALLATION DE CLIMATISATION DOTÉE DE DISPOSITIF RAPPORTÉ</p> <p>[72] TARANTO, JEROME, FR [71] CALISTAIR SAS, FR [85] 2023-04-25 [86] 2021-11-17 (PCT/EP2021/081923) [87] (WO2022/106442) [30] EP (20208188.1) 2020-11-17</p>

<p>[21] 3,196,638 [13] A1</p> <p>[51] Int.Cl. C10B 53/02 (2006.01) C10B 47/44 (2006.01) C10J 3/62 (2006.01) C10J 3/66 (2006.01) C10J 3/84 (2006.01) C10J 3/50 (2006.01)</p> <p>[25] EN</p> <p>[54] PROCESS FOR GASIFYING AN ORGANIC MATERIAL AND PLANT FOR CARRYING OUT SAID PROCESS</p> <p>[54] PROCEDE DE GAZEIFICATION D'UNE MATIERE ORGANIQUE ET INSTALLATION POUR EFFECTUER LEDIT PROCEDE</p> <p>[72] CARBE, PAOLO, IT [71] ERS ENGINEERING S.R.L., IT [85] 2023-04-25 [86] 2021-10-26 (PCT/IT2021/050345) [87] (WO2022/091152) [30] IT (102020000025321) 2020-10-26</p>

<p>[21] 3,196,639 [13] A1</p> <p>[51] Int.Cl. G01N 24/08 (2006.01) B42D 25/20 (2014.01) B42D 25/333 (2014.01)</p> <p>[25] EN</p> <p>[54] PROCESS AND METHOD FOR LABELLING PRODUCTS UTILIZING NMR ANALYSIS-CREATED SPECTRA INTENSITIES OF A PRODUCT TRANSLATED TO VISIBLE SPECTRUM</p> <p>[54] PROCESSUS ET PROCEDE D'ETIQUETAGE DE PRODUITS EN UTILISANT DES INTENSITES DE SPECTRES CREEES PAR ANALYSE RMN D'UN PRODUIT CONVERTIES EN SPECTRE VISIBLE</p> <p>[72] NEWMASTER, STEVEN, CA [71] 2761134 ONTARIO INC., CA [85] 2023-04-25 [86] 2021-10-27 (PCT/CA2021/051515) [87] (WO2022/087734) [30] US (63/106,332) 2020-10-27</p>

<p>[21] 3,196,640 [13] A1</p> <p>[51] Int.Cl. B01J 21/06 (2006.01) B01J 35/02 (2006.01) B01J 37/08 (2006.01)</p> <p>[25] EN</p> <p>[54] SILICA-BASED GRANULAR MEDIA</p> <p>[54] MILIEU GRANULAIRE A BASE DE SILICE</p> <p>[72] HART, MEGAN, US [72] MCINTYRE, HANNAH, US [71] THE CURATORS OF THE UNIVERSITY OF MISSOURI, US [85] 2023-04-25 [86] 2021-11-16 (PCT/US2021/059504) [87] (WO2022/104255) [30] US (63/114,291) 2020-11-16</p>

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[21] 3,196,641
[13] A1

[51] Int.Cl. C12N 15/113 (2010.01) C12N 15/79 (2006.01) C12N 15/86 (2006.01)
[25] EN
[54] DNA CONSTRUCTS COMPRISING ALTERNATIVE PROMOTERS
[54] CONSTRUCTIONS D'ADN COMPRENANT DES PROMOTEURS ALTERNATIFS
[72] BENENSON, YAAKOV, CH
[72] DOSHI, JITEN, IN
[71] ETH ZÜRICH, CH
[85] 2023-04-25
[86] 2021-12-01 (PCT/EP2021/083846)
[87] (WO2022/117686)
[30] EP (20020580.5) 2020-12-01

[21] 3,196,642
[13] A1

[51] Int.Cl. C07D 451/06 (2006.01) A61K 31/506 (2006.01) A61P 25/28 (2006.01)
[25] EN
[54] PROCESS FOR PREPARING HETEROCYCLIC METHANONE COMPOUNDS AND AZA-BICYCLO INTERMEDIATES THEREOF
[54] PROCEDE DE PREPARATION DE COMPOSES DE METHANONE HETEROCYCLIQUES ET DE LEURS INTERMEDIAIRES AZA-BICYCLO
[72] GRUGEL, CHRISTIAN, AU
[71] ACTINOGEN MEDICAL LIMITED, AU
[85] 2023-04-25
[86] 2021-11-05 (PCT/AU2021/051310)
[87] (WO2022/094668)
[30] AU (2020904060) 2020-11-06

[21] 3,196,643
[13] A1

[51] Int.Cl. A61B 5/00 (2006.01) A61K 51/10 (2006.01) G06F 17/00 (2019.01)
[25] EN
[54] PATIENT-SPECIFIC THERAPEUTIC PREDICTIONS THROUGH ANALYSIS OF FREE TEXT AND STRUCTURED PATIENT RECORDS
[54] PREDICTIONS THERAPEUTIQUES SPECIFIQUES AU PATIENT PAR ANALYSE DE TEXTE LIBRE ET DE DOSSIERS DE PATIENT STRUCTURES
[72] GLASS, JACOB L., US
[72] AHR, KATYA, US
[72] DILIP, DEEPIKA, US
[72] KRESCH, MINDY, US
[72] LEVINE, ROSS, US
[72] PHILIP, JOHN, US
[72] GARCIA, JULIE, US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
[85] 2023-04-25
[86] 2021-10-26 (PCT/US2021/056687)
[87] (WO2022/093845)
[30] US (63/106,206) 2020-10-27

[21] 3,196,644
[13] A1

[51] Int.Cl. C07C 315/04 (2006.01) C07C 317/44 (2006.01)
[25] EN
[54] METHOD FOR PREPARING ARYLVINYLSULPHONES
[54] PROCEDE DE PREPARATION D'ARYLVINYLSULPHONES
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[71] KEMIRA OYJ, FI
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[54] COMPOSES D'AMINOTHIAZOLE DEUTERES EN TANT QUE COMPOSES ANTIVIRaux
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[72] KLEYMANN, GERALD, DE
[71] INNOVATIVE MOLECULES GMBH, DE
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[54] SYSTEME, PROCEDE ET APPAREIL DE TRANSPORT, DE DISTRIBUTION ET DE STOCKAGE D'HYDROGENE
[72] EWAN, JAMES M., US
[72] SHELTON, ROBERT H., US
[72] BRUTOCO, RINALDO S., US
[71] H2 CLIPPER, INC., US
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[54] SYSTEMES ET PROCEDES DE MISE EN ?UVRE SELECTIVE D'UNE TRANSACTION ELECTRONIQUE SUR LA BASE D'UNE DETECTION DE PROXIMITE D'UN DISPOSITIF UTILISATEUR
[72] BUTLER, SKYE, AU
[72] GRIBBLE, SAMUEL, AU
[72] KRISHNAN, RAJESH, AU
[71] SMYLEE PTY LTD, AU
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[54] SYSTEME ET PROCEDE DE DETECTION DE DEFAUTS D'ISOLATION DANS UN CABLE ELECTRIQUE SOUTERRAIN
[72] ESKEROD MADSEN, BO, DK
[71] REMONI A/S, DK
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[54] DISPOSITIF DE VERROUILLAGE A COMPRESSION/DEPLOIEMENT POUR BAGAGE ET BAGAGE LE CONTENANT
[72] KRULIK, RICHARD, US
[72] RADA, GEORGENE, US
[72] WITT, FLORIAN M., DE
[72] MOAMMER, PATRIC, US
[72] BERR, ADRIAN, US
[71] BRIGGS AND RILEY TRAVELWARE, LLC, US
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[54] SCHEMA POSOLOGIQUE DE LEVODOPA
[72] D'SOUZA, RICHARD, US
[72] VISSER, HESTER, US
[72] GUPTA, SUNEEL, US
[71] AMNEAL PHARMACEUTICALS LLC, US
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[72] CHENG, CHUN-TING, US
[72] HSIEH, CHENG-YING, US
[72] LIN, CHI-FENG, US
[72] LIN, KUAN-YU, US
[72] SU, CHAO-MING, US
[72] LAU, PAULINE YING, US
[71] SUNTEC MEDICAL, INC., US
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[54] SYSTEMES ET PROCEDE DE MISE A JOUR DYNAMIQUE DE DISTRIBUTIONS DE MATERIALITE ET DE CLASSIFICATIONS EN DIMENSIONS MULTIPLES
[72] BALA, GREG PAUL, US
[72] CARDAMONE, JAMES, US
[72] KUH, THOMAS, US
[72] SALVATORI, ADAM, US
[72] STELEA, NICOLE, US
[71] TRUVALUE LABS, INC., US
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[54] SYSTEMES ET PROCEDES DE SYNTHESE DE POUDRES METALLIQUES SPHEROIDALES
[72] BADWE, SUNIL BHALCHANDRA, US
[72] TURCHETTI, SCOTT JOSEPH, US
[72] BHATTACHARYA, SUDIP, US
[72] REDJDAL, MAKHLOUF, US
[71] 6K INC., US
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[54] PROCEDE D'INTERRUPTION D'UNE PROTECTION D'UN OBJET ASSUREE PAR UN DISPOSITIF DE PROTECTION
[72] FURSTNER, THOMAS, AT
[71] RIDDLE & CODE GMBH, AT
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[54] METHOD FOR THE PRODUCTION OF A STABLE FRUIT PREPARATION
[54] PROCEDE DE PRODUCTION D'UNE PREPARATION DE FRUITS STABLE
[72] BELOV, SERGEY, AT
[71] AGRANA BETEILIGUNGS-AKTIENGESELLSCHAFT, AT
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[54] TISSU DE POLYESTER MULTICOLORE ET SES PROCEDES DE FABRICATION
[72] WILLIAMS, JAMES L., US
[72] SOMERS, TIMOTHY G., US
[72] SORROW, SCOTT GRAYDON, US
[72] BROCK, PHILLIP JERRY, US
[71] ALADDIN MANUFACTURING CORPORATION, US
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[54] CELLULES NK A RECEPTEUR CHIMERIQUE A L'ANIGENE ET LEURS UTILISATIONS
[72] KARAROUDI, MEISAM NAEIMI, US
[72] LEE, DEAN ANTHONY, US
[71] RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL, US
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[25] EN
[54] FOOD THERMOMETER AND METHOD OF USING THEREOF
[54] THERMOMETRE ALIMENTAIRE ET SON PROCEDE D'UTILISATION
[72] NIVALA, TEEMU, GB
[72] CRUZ, JOSEPH, US
[71] APPTION LABS LIMITED, GB
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[54] ELECTRIC VEHICLE CHARGING CONTROL METHOD AND APPARATUS
[54] PROCEDE ET APPAREIL DE COMMANDE DE CHARGE DE VEHICULE ELECTRIQUE
[72] WANG, CHAO, CN
[71] CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD., CN
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 - [54] PARVOVIRUS CANIN
 - [72] PEARCE, JACQUELINE, NL
 - [71] INTERVET INTERNATIONAL B.V., NL
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 - [86] 2021-11-03 (PCT/EP2021/080429)
 - [87] (WO2022/096472)
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 - [54] INDUCTEUR PLAN PARALLELE MULTICOUCHE A POCHES DE COMMANDE DE CHAMP
 - [72] OVANDO, ROBERTO BERNARDO BENEDICTO, US
 - [72] MORTIMER, JOHN JUSTIN, US
 - [72] SCHMIDT, DAVID D., US
 - [71] RADYNE CORPORATION, US
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 - [54] COMPOSITION ANTIMICROBIENNE DE SOIN DE LA PEAU COMPRENANT DU BETA-GLUCANE ET UNE HUILE NATURELLE
 - [72] HEDBOM, TORSTEN, SE
 - [72] FRANZEN, LARS, SE
 - [71] LANTMANNEN OATS AB, SE
 - [85] 2023-04-25
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 - [87] (WO2022/106536)
 - [30] SE (2051346-1) 2020-11-18
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 - [25] EN
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 - [54] METHODES, SYSTEMES, ET DISPOSITIFS DE PRELEVEMENT SANGUIN
 - [72] YAN, BO, CN
 - [72] CHEN, XIWEI, CN
 - [72] LIU, SIMON, CN
 - [72] XUE, YUEQIANG, CN
 - [72] WU, YIJIE, CN
 - [72] KUMAR, JITHENDRA, SG
 - [72] JIANG, TAO, CN
 - [71] BECTON, DICKINSON AND COMPANY, US
 - [85] 2023-04-25
 - [86] 2021-11-01 (PCT/US2021/057501)
 - [87] (WO2022/098589)
 - [30] CN (202011226876.X) 2020-11-06
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 - [25] FR
 - [54] METHOD FOR DETERMINING AN EFFICIENCY FAULT OF AN AIRCRAFT TURBOSHAFT ENGINE MODULE
 - [54] PROCEDE DE DETERMINATION DE DEFAUT D'UN RENDEMENT D'UN MODULE D'UN TURBOMOTEUR D'UN AERONEF
 - [72] RAZAKARIVONY, SEBASTIEN PHILIPPE, FR
 - [72] FAVRE, CHRISTOPHE, FR
 - [72] JOSEPH, JULIEN, FR
 - [72] LAMOUROUX, JEAN, FR
 - [71] SAFRAN, FR
 - [71] SAFRAN HELICOPTER ENGINES, FR
 - [85] 2023-04-25
 - [86] 2021-10-28 (PCT/EP2021/079926)
 - [87] (WO2022/096354)
 - [30] FR (FR2011242) 2020-11-03
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 - [25] EN
 - [54] LOCATING, IDENTIFYING, AND SHIFTING OBJECTS IN AUTOMATED OR SEMI-AUTOMATED FASHION INCLUDING DURING TRANSIT
 - [54] LOCALISATION, IDENTIFICATION ET DEPLACEMENT D'OBJETS DE MANIERE AUTOMATISEE OU SEMI-AUTOMATISEE, Y COMPRIS LORS DU TRANSIT
 - [72] GIL, JULIO, NL
 - [71] UNITED PARCEL SERVICE OF AMERICA, INC., US
 - [85] 2023-04-25
 - [86] 2021-10-18 (PCT/US2021/055440)
 - [87] (WO2022/093561)
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- [25] FR
- [54] DEVICE FOR GENERATING A JET OF TWO-PHASE FLUID
- [54] DISPOSITIF DE GENERATION D'UN JET DE FLUIDE DIPHASIC
- [72] TESTA, FABIAN, FR
- [72] ISSLER, THOMAS, FR
- [71] ETAT FRANCAIS REPRESENTE PAR LE PREFET DE POLICE, FR
- [71] ZELUP, FR
- [85] 2023-04-25
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- [72] YANG, YI, DK
- [72] ALMDAL, KRISTOFFER, DK
- [71] DANMARKS TEKNISKE UNIVERSITET, DK
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- [54] COMPOSES DE PYRIMIDINE, COMPOSITIONS ET LEURS APPLICATIONS MEDICALES
- [72] HALLUR, GURULINGAPPA, IN
- [72] MADHYASTHA, NAVEENA, IN
- [72] STEPHEN, MICHAEL RAJESH, IN
- [72] ROTH, BRUCE, US
- [72] PANDEY, ANJALI, US
- [72] SAXTON, TRACY, US
- [72] RAJAGOPAL, SRIDHARAN, IN
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- [71] BLUEPRINT MEDICINES CORPORATION, US
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- [54] UTILISATION D'ANTIGENES INDEPENDANTS DE TUMEURS DANS DES IMMUNOTHERAPIES
- [72] MANTING, ERIK HANS, NL
- [72] SINGH, SATWINDER KAUR, NL
- [72] SOMMANDAS, VINOD, NL
- [71] MENDUS B.V., NL
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- [54] MACHINE PERMETTANT DE CHAUFFER ET D'AGITER UNE SUBSTANCE ALIMENTAIRE LIQUIDE DOTEE D'UN DISPOSITIF D'ARRET
- [72] FRENZEL, PASCAL, CH
- [72] GRANGER, ERIC, CH
- [72] SCHNYDER, FRANK, CH
- [71] SOCIETE DES PRODUITS NESTLE S.A., CH
- [85] 2023-04-25
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- [54] PEPTIDES FOR USE IN SKIN AND HAIR PIGMENTATION
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- [72] ALENFALL, JAN, SE
- [72] EKBLAD, MARIA, SE
- [72] SINGH, SUMAN, IN
- [72] TOBIN, DESMOND J., IE
- [71] FOLLICUM AB, SE
- [71] UNIVERSITY OF BRADFORD, GB
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- [54] APPAREIL ET PROCEDE DE COMMANDE DE CHARGE DE VEHICULE ELECTRIQUE
- [72] WANG, CHAO, CN
- [71] CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD., CN
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- [54] MATIERE PREMIERE POUR LA NUTRITION ANIMALE COMPRENANT UN COMPLEXE ORGANO-MINERAL CONTENANT DU PHOSPHATE ALIMENTAIRE ET UNE SUBSTANCE HUMIQUE
- [72] LAZA KNOERR, ANCA LUCIA, FR
- [72] DE TONNAC, AURIANNE, FR
- [71] AGRO INNOVATION INTERNATIONAL, FR
- [85] 2023-04-25
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- [72] GROSVELD, FRANK G., NL
- [72] EICH, CHRISTINA, NL
- [72] CRUZ, LUIS, NL
- [71] HARBOUR ANTIBODIES BV, NL
- [71] ERASMUS UNIVERSITY MEDICAL CENTER ROTTERDAM, NL
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- [54] PRODUCTION DE CANNABINOÏDES/PHYTOCANNABINOÏDES A L'AIDE D'UN EXTRAIT VÉGÉTAL
- [72] GEISSLER, MARCUS, DE
- [72] NIEDERREITER, LISA, DE
- [72] WARZEEHA, HERIBERT, DE
- [71] TECHNISCHE UNIVERSITAT DARMSTADT, DE
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- [54] SYSTEME DE NETTOYAGE D'EQUIPEMENT DE TRAITE, ET CONTENANT DE DETERGENT
- [72] STREMECKI, TOMASZ, SE
- [71] DELAVAL HOLDING AB, SE
- [85] 2023-04-25
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- [25] EN
- [54] LOCATING, IDENTIFYING, AND SHIFTING OBJECTS IN AUTOMATED OR SEMI-AUTOMATED FASHION INCLUDING DURING TRANSIT
- [54] LOCALISATION, IDENTIFICATION ET DEPLACEMENT D'OBJETS DE MANIERE AUTOMATISEE OU SEMI-AUTOMATISEE Y compris pendant le transit
- [72] GIL, JULIO, NL
- [71] UNITED PARCEL SERVICE OF AMERICA, INC., US
- [85] 2023-04-25
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- [54] UTILISATION D'UN REGULATEUR DE L'ITPRIPLI DANS LA PRÉPARATION D'UN MEDICAMENT QUI REGULE LES RÉPONSES IMMUNITAIRES OU LES TUMEURS MALIGNES
- [72] XU, JIE, CN
- [72] DENG, SHOUYAN, CN
- [72] SONG, TENG, CN
- [72] WANG, YITING, CN
- [72] WANG, YUNGANG, CN
- [72] WANG, HUANBIN, CN
- [72] CHI, HAO, CN
- [71] FUDAN UNIVERSITY, CN
- [71] BIOTROY THERAPEUTICS, CN
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[54] DETECTION ET REDUCTION D'EVASIONS POUR L'AQUACULTURE
[72] JAMES, BARNABY JOHN, US
[71] X DEVELOPMENT LLC, US
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[86] 2021-09-23 (PCT/US2021/051704)
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[54] FORMES CRISTALLINES D'UN INHIBITEUR DE LA DESOXYCYTIDINE KINASE ET LEURS UTILISATIONS
[72] LITZINGER, DAVID, US
[72] SCHULTZ, KENNETH A., US
[71] TRETHERA CORPORATION, US
[85] 2023-04-25
[86] 2021-11-01 (PCT/US2021/057584)
[87] (WO2022/094409)
[30] US (63/108,803) 2020-11-02
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[54] GELS POLYMERES HYPER-RAMIFIES RE-RETICULABLES SUR LA BASE D'UNE REACTION DE TRANSMIDATION
[72] SONG, TAO, US
[72] BAI, BAOJUN, US
[72] SCHUMAN, THOMAS, US
[71] THE CURATORS OF THE UNIVSERITY OF MISSOURI, US
[85] 2023-04-25
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[54] PROCEDE DE TRANSACTION SECURISEE AMELIORE UTILISANT UNE COUCHE D'INTEGRATION
[72] MAHALEC, NICHOLAS, US
[72] ANDERSON, JOHN D., US
[72] CORRIERI, NICHOLAS, US
[72] GINSBERG, JOHN, US
[71] PIGGY LLC, US
[85] 2023-04-25
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[25] EN
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[54] MESURE DE PARAMETRES BIOMETRIQUES
[72] WENGARTEN, YAAKOV, US
[71] CENTERS-SMART LLC, US
[85] 2023-04-25
[86] 2021-10-28 (PCT/US2021/057093)
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[25] FR
[54] FERTILISING AND/OR SOIL CONDITIONING COMPOSITION INTENDED FOR CULTURE SUBSTRATES AND/OR CULTURE SOLUTIONS
[54] COMPOSITION FERTILISANTE ET/OU AMENDANTE DESTINEE AUX SUPPORTS DE CULTURE ET/OU AUX SOLUTIONS DE CULTURE
[72] PLUCHON, SYLVAIN, FR
[72] ARKOUN, MUSTAPHA Y O, FR
[72] MAILLARD, ANNE, FR
[72] YVIN, JEAN-CLAUDE, FR
[72] GARCIA-MINA FREIRE, JOSE MARIA, ES
[71] AGRO INNOVATION INTERNATIONAL, FR
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<p style="text-align: right;">[21] 3,196,700</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06N 10/20 (2022.01) G06N 10/40 (2022.01) G06N 10/70 (2022.01)</p> <p>[25] EN</p> <p>[54] TOPOLOGICAL QUBITS IN A QUANTUM SPIN LIQUID</p> <p>[54] BITS QUANTIQUES TOPOLOGIQUES DANS UN LIQUIDE DE SPIN QUANTIQUE</p> <p>[72] LUKIN, MIKHAIL D., US</p> <p>[72] VULETIC, VLADAN, US</p> <p>[72] GREINER, MARKUS, US</p> <p>[72] VERRESEN, RUBEN, US</p> <p>[72] VISHWANATH, ASHVIN, US</p> <p>[72] CONTRERAS, ALEXANDER KEESLING, US</p> <p>[72] LEVINE, HARRY JAY, US</p> <p>[72] SEMEGHINI, GIULIA, US</p> <p>[72] WANG, TOUT TAOTAO, US</p> <p>[72] OMRAN, AHMED, US</p> <p>[72] BLUVSTEIN, DOLEV, US</p> <p>[72] EBADI, SEPEHR, US</p> <p>[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US</p> <p>[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US</p> <p>[85] 2023-04-26</p> <p>[86] 2021-11-19 (PCT/US2021/060138)</p> <p>[87] (WO2022/132389)</p> <p>[30] US (63/116,321) 2020-11-20</p> <p>[30] US (63/166,165) 2021-03-25</p>

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<p style="text-align: right;">[21] 3,196,708</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G02B 6/036 (2006.01) H01S 3/067 (2006.01)</p> <p>[25] EN</p> <p>[54] BEAM INTENSITY PROFILE TAILORING WITH A COMPOSITE, TAPERED OPTICAL FIBRE</p> <p>[54] PERSONNALISATION DE PROFIL D'INTENSITE DE FAISCEAU AVEC UNE FIBRE OPTIQUE CONIQUE COMPOSITE</p> <p>[72] JAIN, DEEPAK, AU</p> <p>[72] FLEMING, SIMON, AU</p> <p>[71] THE UNIVERSITY OF SYDNEY, AU</p> <p>[85] 2023-04-26</p> <p>[86] 2021-10-28 (PCT/AU2021/051253)</p> <p>[87] (WO2022/087667)</p> <p>[30] AU (2020903924) 2020-10-29</p>

<p style="text-align: right;">[21] 3,196,720</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A63G 31/00 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR INTERACTIVE DRONE EXPERIENCE</p> <p>[54] SYSTEME ET PROCEDE POUR EXPERIENCE DE DRONE INTERACTIVE</p> <p>[72] NG, MELINDA, US</p> <p>[72] MELO, ANTHONY, US</p> <p>[71] UNIVERSAL CITY STUDIOS LLC, US</p> <p>[85] 2023-04-26</p> <p>[86] 2021-11-11 (PCT/US2021/058987)</p> <p>[87] (WO2022/103965)</p> <p>[30] US (63/112,950) 2020-11-12</p> <p>[30] US (17/522,485) 2021-11-09</p>

<p style="text-align: right;">[21] 3,196,716</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A63G 7/00 (2006.01) A63G 31/00 (2006.01) A63G 31/16 (2006.01)</p> <p>[25] EN</p> <p>[54] REACTION CONTROLLED SYSTEMS AND METHODS</p> <p>[54] SYSTEMES ET PROCEDES COMMANDES PAR REACTION</p> <p>[72] CHATRATH, PRATIK SANJAY, US</p> <p>[72] CLARK, BENJAMIN, US</p> <p>[72] CORTELYOU, ROBERT, US</p> <p>[72] ECK, TIMOTHY J., US</p> <p>[72] MILLER, BYRON C., US</p> <p>[72] WINFREY, JAMES B., US</p> <p>[72] TERWILLIGER, ETHAN, US</p> <p>[72] COX, COREY, US</p> <p>[72] DAIMLER, JUSTIN, US</p> <p>[71] UNIVERSAL CITY STUDIOS LLC, US</p> <p>[85] 2023-04-26</p> <p>[86] 2021-11-03 (PCT/US2021/057879)</p> <p>[87] (WO2022/103632)</p> <p>[30] US (63/113,003) 2020-11-12</p> <p>[30] US (17/491,249) 2021-09-30</p>

<p style="text-align: right;">[21] 3,196,722</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G05D 23/22 (2006.01) G05D 23/24 (2006.01)</p> <p>[25] EN</p> <p>[54] TEMPERATURE CONTROL SYSTEM FOR DEVICE AND TEMPERATURE CONTROL METHOD</p> <p>[54] SYSTEME DE REGULATION DE TEMPERATURE POUR DISPOSITIF ET PROCEDE DE REGULATION DE TEMPERATURE</p> <p>[72] WANG, CHAO, CN</p> <p>[71] CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD., CN</p> <p>[85] 2023-04-26</p> <p>[86] 2021-07-09 (PCT/CN2021/105380)</p> <p>[87] (WO2022/105260)</p> <p>[30] CN (202011286748.4) 2020-11-17</p>

<p style="text-align: right;">[21] 3,196,723</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A01N 43/40 (2006.01) A01N 35/10 (2006.01) A01N 43/60 (2006.01)</p> <p>[25] EN</p> <p>[54] HERBICIDAL COMBINATIONS</p> <p>[54] COMBINAISONS HERBICIDES</p> <p>[72] MIRYAMCHIK, HADAS, IL</p> <p>[72] YOGEV, EHUD, IL</p> <p>[72] CURTIS, GRANT, IL</p> <p>[72] HUTTENLOCHER, MARTIN, IL</p> <p>[71] ADAMA AGAN LTD., IL</p> <p>[85] 2023-04-26</p> <p>[86] 2021-10-26 (PCT/IL2021/051265)</p> <p>[87] (WO2022/091084)</p> <p>[30] EP (20203919.4) 2020-10-26</p>

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 - [25] EN
 - [54] THERAPEUTIC METHODS AND COMPOSITIONS FOR TREATING PANCREATIC CANCER USING DEVIMISTAT
 - [54] METHODES THERAPEUTIQUES ET COMPOSITIONS POUR LE TRAITEMENT DU CANCER DU PANCREAS A L'AIDE DU DEVIMISTAT
 - [72] LUTHER, SANJEEV, US
 - [71] CORNERSTONE PHARMACEUTICALS, INC., US
 - [85] 2023-04-26
 - [86] 2021-11-03 (PCT/US2021/057830)
 - [87] (WO2022/098705)
 - [30] US (63/108,929) 2020-11-03
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- [51] Int.Cl. A61P 35/00 (2006.01) G01N 33/574 (2006.01)
- [25] EN
- [54] METHODS FOR THE DETECTION AND TREATMENT OF OVARIAN CANCER
- [54] METHODES DE DETECTION ET DE TRAITEMENT DU CANCER DE L'OVaire
- [72] FAHRMANN, JOHANNES, US
- [72] HANASH, SAMIR, US
- [71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
- [85] 2023-04-26
- [86] 2021-10-27 (PCT/US2021/056852)
- [87] (WO2022/093960)
- [30] US (63/107,160) 2020-10-29

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[13] A1

- [51] Int.Cl. A61K 47/68 (2017.01) A61K 39/395 (2006.01) C07K 16/30 (2006.01)
- [25] EN
- [54] MULTISPECIFIC ANTIBODIES FOR TARGETING CD28 AND PD-L1 AND METHODS OF USE THEREOF
- [54] ANTICORPS MULTISPECIFIQUES POUR LE CIBLAGE DE CD28 ET PD-L1 ET LEURS PROCEDES D'UTILISATION
- [72] CAMPBELL, DAVID, US
- [72] DIRAIMONDO, THOMAS R., US
- [71] JANUX THERAPEUTICS, INC., US
- [85] 2023-04-26
- [86] 2021-10-29 (PCT/US2021/057384)
- [87] (WO2022/094299)
- [30] US (63/107,942) 2020-10-30
- [30] US (63/123,327) 2020-12-09
- [30] US (63/123,329) 2020-12-09
- [30] US (63/141,268) 2021-01-25
- [30] US (63/187,719) 2021-05-12
- [30] US (63/187,699) 2021-05-12
- [30] US (63/187,690) 2021-05-12
- [30] US (63/189,843) 2021-05-18

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 - [25] EN
 - [54] COMPOSITIONS AND METHODS USING AT LEAST ONE GLYCINE OR DERIVATIVE THEREOF AND AT LEAST ONE LARGE NEUTRAL AMINO ACID AND/OR CATIONIC AMINO ACID OR PRECURSOR THEREOF
 - [54] COMPOSITIONS ET PROCEDES UTILISANT AU MOINS UNE GLYCINE OU UN DERIVE DE CETTE DERNIERE ET AU MOINS UN GRAND ACIDE AMINE NEUTRE ET/OU ACIDE AMINE CATIONIQUE OU UN PRECURSEUR DE CE(S) DERNIER(S)
 - [72] LIZZO, GIULIA, CH
 - [72] GUT, PHILIPP, CH
 - [71] SOCIETE DES PRODUITS NESTLE S.A., CH
 - [85] 2023-04-26
 - [86] 2021-12-07 (PCT/EP2021/084588)
 - [87] (WO2022/122730)
 - [30] EP (20212799.9) 2020-12-09
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- [51] Int.Cl. C08L 23/08 (2006.01) C08F 210/16 (2006.01) C08L 23/06 (2006.01)
- [25] EN
- [54] POLYOLEFIN PIPE RESIN WITH VERY GOOD SAGGING AND SLOW CRACK GROWTH RESISTANCE
- [54] RESINE DE TUYAU DE POLYOLEFINE AYANT UN TRES BON FLECHISSEMENT ET UNE RESISTANCE A LA CROISSANCE LENTE DE FISSURES
- [72] DOU, QIZHENG, AT
- [72] SUMERIN, VICTOR, FI
- [72] POMAKHINA, ELENA, AT
- [72] AARILA, JARI, FI
- [71] BOREALIS AG, AT
- [85] 2023-04-26
- [86] 2021-10-25 (PCT/EP2021/079556)
- [87] (WO2022/090163)
- [30] EP (20203896.4) 2020-10-26

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- [51] Int.Cl. C12Q 1/6811 (2018.01)
 - [25] EN
 - [54] AFFINITY REAGENTS HAVING ENHANCED BINDING AND DETECTION CHARACTERISTICS
 - [54] REACTIFS D'AFFINITE AYANT DES CARACTERISTIQUES DE LIAISON ET DE DETECTION AMELIOREES
 - [72] AKSEL, TURAL, US
 - [72] RINKER, TORRI, US
 - [72] BURNS, MARKUS, US
 - [72] DORWART, MICHAEL, US
 - [72] GALIMIDI, RACHEL, US
 - [72] GREMYACHINSKIY, DMITRIY, US
 - [72] HENDRICKS, STEPHEN, US
 - [72] IKWA, ELVIS, US
 - [72] KAPP, GREGORY, US
 - [72] KLEIN, JOSHUA, US
 - [72] ROBINSON, JULIA, US
 - [72] STAwicki, CASSANDRA, US
 - [72] TONAPI, SONAL, US
 - [72] MALLICK, PARAG, US
 - [71] NAUTILUS SUBSIDIARY, INC., US
 - [85] 2023-04-26
 - [86] 2021-11-10 (PCT/US2021/058851)
 - [87] (WO2022/103887)
 - [30] US (63/112,607) 2020-11-11
 - [30] US (63/132,170) 2020-12-30
 - [30] US (63/227,080) 2021-07-29
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[13] A1

- [51] Int.Cl. A63F 13/52 (2014.01)
- [25] EN
- [54] GAME SYSTEM HAVING IMAGE COMPOSITING DISPLAY
- [54] SYSTEME DE JEU AYANT UN AFFICHEUR DE COMPOSITION D'IMAGES
- [72] HSU, SHUN TSUNG, TW
- [72] WANG, CHANG YI, TW
- [71] HSU, TIEN SHU, TW
- [85] 2023-04-26
- [86] 2020-12-03 (PCT/CN2020/133669)
- [87] (WO2022/116101)

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 - [25] EN
 - [54] POROUS HOLLOW-FIBER MEMBRANE AND METHOD FOR TESTING INTEGRITY
 - [54] MEMBRANE POREUSE A FIBRES CREUSES ET PROCEDE DE TEST D'INTEGRITE
 - [72] YOSHIDA, MASAHIRO, JP
 - [72] NAKASHIMA, SHOTA, JP
 - [72] HIMENO, SHOHEI, JP
 - [72] KAJIYAMA, KOSUKE, JP
 - [71] ASAHI KASEI MEDICAL CO., LTD., JP
 - [85] 2023-04-26
 - [86] 2021-12-03 (PCT/JP2021/044385)
 - [87] (WO2022/118943)
 - [30] JP (2020-202097) 2020-12-04
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[13] A1

- [51] Int.Cl. G01B 9/02 (2022.01)
- [25] EN
- [54] A METHOD AND A SYSTEM FOR COMPRESSED ULTRAFAST TOMOGRAPHIC IMAGING
- [54] PROCEDE ET SYSTEME D'IMAGERIE TOMOGRAPHIQUE ULTRA-RAPIDE COMPRIMEE
- [72] LIANG, JINYANG, CA
- [72] LAI, YINGMING, CA
- [71] INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE, CA
- [85] 2023-04-26
- [86] 2021-10-27 (PCT/CA2021/051516)
- [87] (WO2022/094695)
- [30] US (63/109,025) 2020-11-03

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[13] A1

- [51] Int.Cl. C07K 7/08 (2006.01) A61P 31/12 (2006.01) A61P 31/14 (2006.01)
 - [25] EN
 - [54] PEPTIDES AND CONJUGATES THEREOF AS ACE-2 AND S1 SUBUNIT MIMICS AGAINST SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS-2 (SARS-COV2) INFECTION
 - [54] PEPTIDES ET LEURS CONJUGUES UTILISES EN TANT QUE MIMETIQUES DE SOUS-UNITE ACE-2 ET S1 CONTRE UNE INFECTION GRAVE PAR LE SYNDROME RESPIRATOIRE AIGU DU CORONAVIRUS-2 (SARS-COV2)
 - [72] VANGALA, RAJANIKANTH, IN
 - [71] NEUOME PEPTIDES PTE. LTD., SG
 - [85] 2023-04-26
 - [86] 2021-10-28 (PCT/IN2021/051030)
 - [87] (WO2022/091132)
 - [30] IN (202041042101) 2020-10-28
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[13] A1

- [51] Int.Cl. B04B 3/04 (2006.01) B04B 11/02 (2006.01) B04B 11/06 (2006.01)
- [25] EN
- [54] DEVICE AND METHOD FOR CONTINUOUSLY SEPARATING FLOWABLE MATERIALS OF DIFFERENT DENSITY IN A SUSPENSION
- [54] DISPOSITIF ET PROCEDE POUR SEPARER EN CONTINU DES MATERIAUX COULANTS DE DENSITE DIFFERENTE D'UNE SUSPENSION
- [72] BIEGEL, JOHANNES, DE
- [71] ALFA LAVAL CORPORATE AB, SE
- [85] 2023-04-26
- [86] 2021-10-27 (PCT/EP2021/079860)
- [87] (WO2022/090330)
- [30] DE (10 2020 128 804.2) 2020-11-02

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- [51] Int.Cl. G01N 33/543 (2006.01)
- [25] EN
- [54] ELECTROCHEMICAL SENSOR
- [54] CAPTEUR ELECTROCHIMIQUE
- [72] CORRIGAN, DAMION K., GB
- [72] VEZZA, VINCENT JAMES, GB
- [71] UNIVERSITY OF STRATHCLYDE, GB
- [85] 2023-04-26
- [86] 2021-10-26 (PCT/GB2021/052781)
- [87] (WO2022/090706)
- [30] GB (2017047.8) 2020-10-27

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[13] A1

- [51] Int.Cl. A61B 5/00 (2006.01) A61K 39/395 (2006.01) G01N 33/48 (2006.01) G01N 33/53 (2006.01) G01N 33/68 (2006.01)
- [25] EN
- [54] KITS, REAGENTS AND METHODS FOR THE ASSESSMENT OF LIVER DISEASES
- [54] KITS, REACTIFS ET PROCEDES D'EVALUATION DE MALADIES HEPATIQUES
- [72] GRINSPOON, STEVEN K., US
- [71] THE GENERAL HOSPITAL CORPORATION, US
- [85] 2023-04-26
- [86] 2021-10-26 (PCT/US2021/056568)
- [87] (WO2022/093757)
- [30] US (63/107,730) 2020-10-30

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[13] A1

- [51] Int.Cl. A46B 15/00 (2006.01) G16H 15/00 (2018.01) G16H 40/63 (2018.01) G16H 50/30 (2018.01) A61C 17/22 (2006.01)
- [25] EN
- [54] SYSTEM FOR DETECTING BLOOD IN AN ORAL CAVITY DURING TOOTHBRUSHING
- [54] SYSTEME DE DETECTION DE SANG DANS UNE CAVITE BUCCALE PENDANT LE BROUSSAGE DES DENTS
- [72] BANERJEE, INDRANI, US
- [72] WU, DONGHUI, US
- [71] COLGATE-PALMOLIVE COMPANY, US
- [85] 2023-04-26
- [86] 2021-10-28 (PCT/US2021/056928)
- [87] (WO2022/098552)
- [30] US (63/109,031) 2020-11-03

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- [51] Int.Cl. B25J 9/00 (2006.01) B25J 9/16 (2006.01) B25J 15/00 (2006.01) B25J 15/06 (2006.01) B25J 19/02 (2006.01) B25J 21/00 (2006.01) B65B 7/28 (2006.01) B65G 47/14 (2006.01) G01N 35/00 (2006.01)
- [25] EN
- [54] DEVICE FOR HANDLING CLOSURES INSIDE A CLEAN ROOM, A CLEAN ROOM COMPRISING A CORRESPONDING DEVICE, AND A METHOD FOR HANDLING CLOSURES INSIDE A CLEAN ROOM
- [54] DISPOSITIF DE MANIPULATION DE FERMETURES DANS UNE SALLE BLANCHE, SALLE BLANCHE COMPRENANT UN DISPOSITIF CORRESPONDANT, ET PROCEDE DE MANIPULATION DE FERMETURES DANS UNE SALLE BLANCH
- [72] NAGLER, STEFAN, DE
- [72] KRAUSS, ULRICH, DE
- [72] ILGENFRITZ, MARKUS, DE
- [72] LEIDIG, JUERGEN, DE
- [72] HOLL, PATRICK, DE
- [71] SYNTEGON TECHNOLOGY GMBH, DE
- [85] 2023-04-26
- [86] 2021-11-29 (PCT/EP2021/083270)
- [87] (WO2022/128421)
- [30] DE (10 2020 133 609.8) 2020-12-15

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- [25] EN
- [54] COMPUTER-IMPLEMENTED METHOD FOR APPLYING A PRODUCT ON AN AGRICULTURAL FIELD
- [54] PROCEDE MIS EN OUVRE PAR ORDINATEUR POUR APPLIQUER UN PRODUIT SUR UN CHAMP AGRICOLE
- [72] GAUER, MARCEL ENZO, DE
- [72] SCHEEL, CARVIN GUENTHER, DE
- [72] NIGGE, VOLKER, DE
- [71] BASF AGRO TRADEMARKS GMBH, DE
- [85] 2023-04-26
- [86] 2021-10-27 (PCT/EP2021/079784)
- [87] (WO2022/090294)
- [30] EP (20204167.9) 2020-10-27

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[13] A1

- [51] Int.Cl. G06Q 30/00 (2023.01) H04W 8/26 (2009.01) H04W 12/06 (2021.01) H04M 1/66 (2006.01)
- [25] EN
- [54] TRANSACTION AUTHENTICATION, AUTHORIZATION, AND/OR AUDITING UTILIZING SUBSCRIBER-SPECIFIC BEHAVIORS
- [54] AUTHENTIFICATION, AUTORISATION ET/OU VERIFICATION DE TRANSACTION EN UTILISANT DES COMPORTEMENTS SPECIFIQUES A L'ABONNE
- [72] NAUJOK, JEFFREY ROBERT, US
- [72] CUNNINGHAM, CHRISTOPHER, US
- [72] DESAI, PRASHANT JANAKRAI, US
- [71] PAYFONE, INC., D/B/A PROVE, US
- [85] 2023-04-26
- [86] 2021-10-26 (PCT/US2021/056699)
- [87] (WO2022/093854)
- [30] US (17/081,685) 2020-10-27

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- [25] EN
- [54] COMPUTER-IMPLEMENTED METHOD FOR APPLYING A PRODUCT ON AN AGRICULTURAL FIELD
- [54] PROCEDE MIS EN OUVRE PAR ORDINATEUR POUR APPLIQUER UN PRODUIT SUR UN CHAMP AGRICOLE
- [72] GAUER, MARCEL ENZO, DE
- [72] SCHEEL, CARVIN GUENTHER, DE
- [72] NIGGE, VOLKER, DE
- [71] BASF AGRO TRADEMARKS GMBH, DE
- [85] 2023-04-26
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- [87] (WO2022/090270)
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- [25] EN
- [54] METHOD AND SYSTEM TO SEAMLESSLY UPGRADE CLOUD-BASED CALL PROCESSING SERVICES
- [54] PROCEDE ET SYSTEME DE MISE A NIVEAU SANS INTERRUPTION DE SERVICES DE TRAITEMENT D'APPEL EN NUAGE
- [72] ANTEMIJCZUK, PAWEŁ, DK
- [72] GALEANO, FERNANDO CASANOVA, DK
- [71] MOTOROLA SOLUTIONS, INC., US
- [85] 2023-04-26
- [86] 2021-11-01 (PCT/US2021/057511)
- [87] (WO2022/108739)
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- [54] TABLET FOR USE IN TREATING HUNTINGTON'S DISEASE AND METHOD OF MAKING THE SAME
- [54] COMPRIME DESTINE A ETRE UTILISE DANS LE TRAITEMENT DE LA MALADIE DE HUNTINGTON ET SON PROCEDE DE FABRICATION
- [72] PINNAMANENI, SWATHI, US
- [72] UDDIN, AKM NASIR, US
- [72] DALI, MANDAR VASANT, US
- [71] PTC THERAPEUTICS INC., US
- [85] 2023-04-26
- [86] 2021-11-12 (PCT/US2021/059139)
- [87] (WO2022/104058)
- [30] US (63/113,826) 2020-11-13
- [30] US (63/245,927) 2021-09-19
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- [25] EN
- [54] APPARATUSES AND METHODS FOR CONSTRUCTING A CONCRETE STRUCTURE USING PRECAST CONCRETE COMPONENTS
- [54] APPAREILS ET PROCEDES DE CONSTRUCTION D'UNE STRUCTURE EN BETON A L'AIDE D'ELEMENTS EN BETON PREFABRIQUES
- [72] ZAVITZ, BRYANT, US
- [72] KIRKLEY, KEVIN, US
- [72] SIGMON, CHRIS DETLEVE, US
- [71] TINDALL CORPORATION, US
- [85] 2023-04-26
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- [87] (WO2022/094007)
- [30] US (63/108,710) 2020-11-02

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- [25] EN
- [54] METHOD AND BUNDLING UNIT FOR CARRYING OUT A MULTI-LAYERED PACKAGING SYSTEM
- [54] PROCEDE ET UNITE DE GROUPAGE POUR LA MISE EN ?UVRE D'UN SYSTEME D'EMBALLAGE MULTICOUCHE
- [72] SALVATO, ANTHONY B., US
- [72] GATMAN, TODD R., US
- [72] SIMM, THORSLEN, US
- [72] BIONDI, ANDREA, IT
- [72] CAVAZZA, LUCA, IT
- [72] CAMPAGNOLI, ENRICO, IT
- [71] R.A JONES & CO., US
- [85] 2023-04-26
- [86] 2021-10-26 (PCT/IB2021/000785)
- [87] (WO2022/090808)
- [30] US (63/105,432) 2020-10-26
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- [25] EN
- [54] METHOD FOR PACKAGING PRODUCTS IN BOXES AND PACKAGING APPARATUS OPERATING ACCORDING TO THIS METHOD
- [54] PROCEDE D'EMBALLAGE DE PRODUITS DANS DES BOITES ET APPAREIL D'EMBALLAGE FONCTIONNANT SELON CE PROCEDE
- [72] SALVATO, ANTHONY B., US
- [72] GATMAN, R. TODD, US
- [72] BIONDI, ANDREA, IT
- [72] CAVAZZA, LUCA, IT
- [72] CAMPAGNOLI, ENRICO, IT
- [71] R.A. JONES & CO., US
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- [87] (WO2022/090798)
- [30] US (63/105,417) 2020-10-26
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 - [54] RUBBER COMPOSITION WITH IMPROVED RESISTANCE TO MECHANICAL STRESS
 - [54] COMPOSITION DE CAOUTCHOUC PRESENTANT UNE RESISTANCE AMELIOREE AUX AGRESSIONS MECANIQUES
 - [72] LIBERT, ROMAIN, FR
 - [72] FERRAND, THOMAS, FR
 - [71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
 - [85] 2023-04-26
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 - [87] (WO2022/123155)
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- [25] EN
- [54] FLUORINE-FREE FIREFIGHTING FOAMS CONTAINING ONE OR MORE BIOPOLYMERS
- [54] MOUSSES DE LUTTE CONTRE L'INCENDIE EXEMPTES DE FLUOR CONTENANT UN OU PLUSIEURS BIOPOLYMERES
- [72] HAVEKLA-RIVARD, PAMELA, US
- [72] CASTRO, JAVIER, US
- [72] SIEM, MARK, US
- [72] HUBERT, MITCH, US
- [72] PEREZ, COVADONGA, US
- [72] PAULICK, ROBERT, US
- [72] KIM, MELISSA, US
- [71] PERIMETER SOLUTIONS LP, US
- [85] 2023-04-26
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 - [25] EN
 - [54] BACKPACKING STOVE HAVING TIP VALVE
 - [54] RECHAUD DE RANDONNEE A VANNE D'EXTREMITE
 - [72] CHARTIER, RYAN PAUL, US
 - [72] HEBERT JR., MICHAEL EDWARD, US
 - [72] WILCOX, ADAM EMERY, US
 - [72] SIOPIK, MICHAEL STEVEN, US
 - [71] JOHNSON OUTDOORS INC., US
 - [85] 2023-04-26
 - [86] 2021-11-18 (PCT/US2021/059929)
 - [87] (WO2022/109160)
 - [30] US (63/115,292) 2020-11-18
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 - [25] EN
 - [54] COMPLEX MATERIALS
 - [54] MATERIAUX COMPLEXES
 - [72] LI, DONGYANG, CA
 - [72] TANG, YUNQING, CA
 - [72] LIU, RUILIANG, CA
 - [72] ZHANG, DONG, CA
 - [72] TANG, XINHU, AU
 - [71] WEIR MINERALS AUSTRALIA LTD, AU
 - [85] 2023-04-26
 - [86] 2021-11-30 (PCT/AU2021/051429)
 - [87] (WO2022/109685)
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 - [25] EN
 - [54] LITHIUM ION BATTERY
 - [54] BATTERIE AU LITHIUM-ION
 - [72] CHEN, NA, CN
 - [72] HAO, RONG, CN
 - [72] PAN, YI, CN
 - [71] BYD COMPANY LIMITED, CN
 - [85] 2023-04-26
 - [86] 2021-10-28 (PCT/CN2021/126905)
 - [87] (WO2022/089509)
 - [30] CN (202011175816.X) 2020-10-28
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 - [25] FR
 - [54] TYRE FOR AN OFF-ROAD VEHICLE
 - [54] BANDAGE POUR VEHICULE HORS LA ROUTE
 - [72] LIBERT, ROMAIN, FR
 - [72] FERRAND, THOMAS, FR
 - [71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
 - [85] 2023-04-26
 - [86] 2021-12-03 (PCT/FR2021/052200)
 - [87] (WO2022/123154)
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- [25] EN
- [54] FOAM PROPORTIONAL MIXING DEVICE
- [54] DISPOSITIF DE MELANGE PROPORTIONNEL DE MOUSSE
- [72] XU, JUN, CN
- [72] TU, SHIJIE, CN
- [72] HAN, DONG, CN
- [72] JU, ZHENGXI, CN
- [72] RAN, JINYU, CN
- [72] WANG, CHENGYU, CN
- [71] TYCO FIRE PRODUCTS LP, US
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- [86] 2021-11-11 (PCT/CN2021/130160)
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- [30] CN (202011260021.9) 2020-11-12
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 - [54] WEAR MEMBER MONITORING SYSTEM
 - [54] SYSTEME DE SURVEILLANCE D'ELEMENT D'USURE
 - [72] FARTHING, DANIEL JONATHON, AU
 - [72] ATTWOOD, REECE, AU
 - [72] BAXTER, GLENN, AU
 - [72] AMOS, ADAM, AU
 - [72] BAMFORD, OLIVER, AU
 - [72] FARQUAHR, SAM, AU
 - [71] BRADKEN RESOURCES PTY LIMITED, AU
 - [85] 2023-04-26
 - [86] 2021-10-26 (PCT/AU2021/051244)
 - [87] (WO2022/087661)
 - [30] AU (2020903877) 2020-10-26
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- [54] ELIMINATION PAR ULTRASONS A AUTO-ETALONNAGE D'ECTOPARASITES A PARTIR DE POISSONS
- [72] YOUNG, GRACE CALVERT, US
- [72] KNOLL, MATTHEW AARON, US
- [72] REMESCH, BRYCE JASON, US
- [72] KIMBALL, PETER, US
- [71] X DEVELOPMENT LLC, US
- [85] 2023-04-26
- [86] 2021-11-01 (PCT/US2021/057576)
- [87] (WO2022/139957)
- [30] US (17/132,874) 2020-12-23

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- [51] Int.Cl. B65D 43/02 (2006.01) B65D 50/00 (2006.01) B65D 55/00 (2006.01)
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 - [54] TAMPER RESISTANT CONTAINER
 - [54] RECIPIENT INVIOABLE
 - [72] PARikh, SAMIR R., CA
 - [72] SINGH, TAJINDER, CA
 - [72] SUKHIJA, JASKARAN SINGH, CA
 - [71] POLARPAC COMPANY, CA
 - [85] 2023-04-26
 - [86] 2021-12-21 (PCT/CA2021/051854)
 - [87] (WO2022/133591)
 - [30] US (63/129,117) 2020-12-22
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- [25] EN
- [54] NUTRIENT AND INNOCULANT COMPOSITION AND METHOD OF USING
- [54] COMPOSITION DE NUTRIMENT ET D'INOCULANT ET PROCEDE D'UTILISATION
- [72] SEGOVIA, SARA, US
- [72] PRADA, ITHAMAR, BR
- [72] BARTLETT, RYAN, US
- [72] ANTHONY, RENIL JOHN, US
- [72] GEIGER, ROBERT A., US
- [72] ADHIKARI, DINESH, US
- [71] KOCH AGRONOMIC SERVICES, LLC, US
- [85] 2023-04-26
- [86] 2021-12-20 (PCT/IB2021/062040)
- [87] (WO2022/137092)
- [30] US (63/129,044) 2020-12-22

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 - [25] EN
 - [54] EXERCISE APPARATUS INCLUDING WEIGHT BAR
 - [54] APPAREIL D'EXERCICE COMPRENANT UNE BARRE DE POIDS
 - [72] BOU-RABEE, KHALID, US
 - [71] BOU-RABEE, KHALID, US
 - [85] 2023-04-26
 - [86] 2021-10-29 (PCT/US2021/057458)
 - [87] (WO2022/094349)
 - [30] US (63/107,065) 2020-10-29
 - [30] US (63/214,192) 2021-06-23
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- [25] EN
- [54] PARALLELISM ADJUSTMENT MECHANISM FOR LOAD BALANCING ARM
- [54] MECANISME DE REGLAGE DE PARALLELISME POUR BRAS D'EQUILIBRAGE DE CHARGE
- [72] BELLOWS, LANCE, US
- [72] HOLLOPETER, MICHAEL, US
- [72] KRAIG, MARTIN, US
- [72] LACHMEIER, BRAD, US
- [72] PICHLER, JERIME, US
- [72] PUTERBAUGH, NICHOLAS, US
- [72] WESTENFELDER, DAVID A., US
- [72] CHAVEZ, ROBERT, US
- [71] AMERICAN STERLIZER COMPANY, US
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- [87] (WO2022/093905)
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 - [25] EN
 - [54] TWO-WAY COMMUNICATION IN A MEDICAL DEVICE
 - [54] COMMUNICATION BIDIRECTIONNELLE DANS UN DISPOSITIF MEDICAL
 - [72] PEAKE, GREGORY ROBERT, AU
 - [72] HOFLER, TIMOTHY, AU
 - [72] ZLOMISLIC, KRISTINA, AU
 - [72] FURLONG, ROWAN, AU
 - [72] RUMMERY, GERARD MICHAEL, AU
 - [72] LIU, NATHAN ZERSEE, AU
 - [72] DE SOUZA, SAKEENA, AU
 - [72] WEALE, ANDREW, AU
 - [72] DASSOS, PETER JAMES, AU
 - [71] RESMED PTY LTD, AU
 - [85] 2023-04-26
 - [86] 2021-11-01 (PCT/AU2021/051281)
 - [87] (WO2022/087687)
 - [30] US (63/107,794) 2020-10-30
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- [25] EN
- [54] LAPAROSCOPIC SURGICAL ROBOTIC SYSTEM WITH INTERNAL DEGREES OF FREEDOM OF ARTICULATION
- [54] SYSTEME ROBOTIQUE CHIRURGICAL LAPAROSCOPIQUE PRESENTANT DES DEGRES DE LIBERTE INTERNES D'ARTICULATION
- [72] KHALIFA, SAMMY, US
- [72] SACHS, ADAM, US
- [71] VICARIOUS SURGICAL INC., US
- [85] 2023-04-26
- [86] 2021-10-27 (PCT/US2021/056912)
- [87] (WO2022/094000)
- [30] US (63/106,688) 2020-10-28

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 - [25] EN
 - [54] SAP FC FUSION PROTEINS AND METHODS OF USE
 - [54] PROTEINES DE FUSION SAP-FC ET METHODES D'UTILISATION
 - [72] PONS, JAUME, US
 - [72] WALL, JONATHAN S., US
 - [71] ATTRALUS, INC., US
 - [71] UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION, US
 - [85] 2023-04-26
 - [86] 2021-11-01 (PCT/US2021/072168)
 - [87] (WO2022/094630)
 - [30] US (63/108,799) 2020-11-02
 - [30] US (63/153,777) 2021-02-25
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 - [25] EN
 - [54] CAFFEINE COMPOSITIONS
 - [54] COMPOSITIONS DE CAFEINE
 - [72] DINES, BRETT, US
 - [72] SMITH, PAMELA A., US
 - [72] BYRN, STEPHEN R., US
 - [72] BOGDANOWICH-KNIPP, SUSAN, US
 - [71] OYE THERAPEUTICS, INC, US
 - [85] 2023-04-26
 - [86] 2021-10-29 (PCT/US2021/057294)
 - [87] (WO2022/094240)
 - [30] US (63/107,026) 2020-10-29
 - [30] US (63/178,815) 2021-04-23
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- [25] EN
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- [54] SYSTEME DE CLIMATISATION POUR UN VEHICULE
- [72] KLEFF, NORBERT, DE
- [72] VREYDAL, DANIEL, DE
- [71] SIEMENS MOBILITY GMBH, DE
- [85] 2023-04-26
- [86] 2021-10-13 (PCT/EP2021/078312)
- [87] (WO2022/096238)
- [30] DE (10 2020 213 783.8) 2020-11-03

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- [25] FR
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- [54] SYSTEME D'ELECTROLYSEUR HAUTE TEMPERATURE OPTIMISE PAR AUGMENTATION DE LA PRESSION EN SORTIE DE L'ELECTROLYSEUR
- [72] DUMOULIN, PIERRE, FR
- [72] TAUVERON, NICOLAS, FR
- [72] MONTZIEUX, GUILLAUME, FR
- [72] LACROIX, VINCENT, FR
- [72] GONZALEZ, BRIGITTE, FR
- [72] LOPEZ-VELASCO, JEAN-BAPTISTE, FR
- [71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
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- [86] 2021-10-25 (PCT/EP2021/079529)
- [87] (WO2022/090150)
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 [25] EN
 [54] PROCESS FOR THE PRODUCTION OF BACKFILLING PASTES FOR UNDERGROUND OPERATIONS AND METHOD FOR CONTROLLING THE FLOW OF BACKFILLING PASTES
 [54] PROCEDE DE PRODUCTION DE PATES DE REMBLAYAGE DESTINEES A DES OPERATIONS SOUTERRAINES ET PROCEDE DE REGULATION DE L'ECOULEMENT DE PATES DE REMBLAYAGE
 [72] PEGADO, LUIS, CH
 [72] JUILLAND, PATRICK, CH
 [72] ARCILA, SARA, CH
 [72] FRUNZ, LUKAS, CH
 [72] EBERHARDT, BERND ARND, CH
 [72] GALLUCCI, EMMANUEL, CH
 [72] ERISMANN, FABIAN, CH
 [72] WEINKAUF, ANNETTE, CH
 [71] SIKA TECHNOLOGY AG, CH
 [85] 2023-04-26
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 [87] (WO2022/117528)
 [30] EP (20211371.8) 2020-12-02
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 [25] EN
 [54] PRODUCT TRANSPORTATION SYSTEM AND METHOD
 [54] SYSTEME ET PROCEDE DE TRANSPORT DE PRODUITS
 [72] KOYI, AKINYEMI AKINBOWALE, US
 [72] ANDREW, JAMES PHILIP, NZ
 [72] ROSS, TRAVIS FRANKLIN, US
 [72] PERRIN, STEVEN MARK, US
 [71] CORETEX LIMITED, NZ
 [85] 2023-04-26
 [86] 2021-10-27 (PCT/NZ2021/050190)
 [87] (WO2022/093044)
 [30] US (63/106,278) 2020-10-27

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 [25] EN

- [54] NOVEL AEROSOL-GENERATING SUBSTRATE
 [54] NOUVEAU SUBSTRAT GENERATEUR D'AEROSOL
 [72] BOVET, LUCIEN, CH
 [72] GOEPFERT, SIMON, CH
 [72] HILFIKER, AURORE, CH
 [72] LANGLET, DELPHINE, CH
 [71] PHILIP MORRIS PRODUCTS S.A., CH
 [85] 2023-04-26
 [86] 2021-10-29 (PCT/EP2021/080181)
 [87] (WO2022/090497)
 [30] EP (20204612.4) 2020-10-29
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 [25] EN
 [54] ELECTROLYSIS CELL, ELECTROLYSIS DEVICE FOR CHLOR-ALKALI ELECTROLYSIS AND USE OF AN ELECTROLYSIS CELL FOR CHLOR-ALKALI ELECTROLYSIS
 [54] CELLULE D'ELECTROLYSE, DISPOSITIF D'ELECTROLYSE POUR L'ELECTROLYSE CHLORE-ALCALI ET UTILISATION D'UNE CELLULE D'ELECTROLYSE POUR L'ELECTROLYSE CHLORE-ALCALI
 [72] KAWANISHI, KOJI, JP
 [72] OIWA, TAKEHIRO, JP
 [72] WATANABE, MASAKI, JP
 [72] TOROS, PETER, DE
 [72] FEDERICO, FULVIO, IT
 [71] THYSSENKRUPP NUCERA AG & CO. KGAA, DE
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 [87] (WO2022/184467)
 [30] EP (21159 816.4) 2021-03-01

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 [25] EN
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 [54] SYSTEME DE TRAITEMENT ET DE TRANSFORMATION D'UN RECIPIENT D'EMBALLAGE PRIMAIRE
 [72] DEKOCKER, WIM, BE
 [72] PETRAMALE, MARCELO, BE
 [72] FERREIRA, GLENN, BE
 [72] DUPERRAY, PHILIPPE JEAN MARIE, FR
 [71] ANHEUSER-BUSCH INBEV S.A., BE
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 [54] SYSTEME D'ELECTROLYSEUR HAUTE TEMPERATURE OPTIMISE PAR DEPRESSION DE L'ALIMENTATION EN VAPEUR D'EAU
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 [72] BANDELIER, PHILIPPE, FR
 [71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
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- [54] EXTRACTION DE COBALT
- [72] PRETORIUS, RUAN, DE
- [72] GREUS, SAMPSA, FI
- [72] ABINET, RODERICK, DE
- [71] KEMIRA OYJ, FI
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- [54] DERIVE D'AMINO-COMBRETASTATINE ET SON UTILISATION
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- [71] YIWUHUAYAO PHARMACEUTICAL TECHNOLOGY CO., LTD, CN
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- [72] VORA, HARMIT, US
- [72] SHETH, RAHUL, US
- [72] GOLD, DANIEL, US
- [72] RISHI, ANANT, US
- [72] ZHANG, YANHONG, US
- [72] TRAN, KIEU, US
- [71] BIOMARIN PHARMACEUTICAL, INC., US
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- [54] COMPOSITIONS COMPRENANT DES DIPHENYLAMINES ALKYLEES PRESENTANT DES PROPRIETES AMELIOREES
- [72] DONG, JUN, US
- [72] LEE, JEONKYU, KR
- [72] MULQUEEN, GERARD, CH
- [71] SONGWON INDUSTRIAL CO., LTD., KR
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- [25] EN
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- [54] UNITE D'ATOMISATION ET DISPOSITIF D'ATOMISATION
- [72] WANG, XIAODIE, CN
- [71] SHENZHEN HUACHENGDA DEVELOPMENT CO., LTD, CN
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- [54] COMPOSITION AQUEUSE DE POLYURETHANE DURCISSABLE A L'ENERGIE D'ORIGINE BIOLOGIQUE
- [72] TIELEMANS, MICHEL, BE
- [71] ALLNEX BELGIUM, S.A., BE
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 - [54] PROCEDE DE FABRICATION D'UN CARTON MULTICOUCHE THERMOSOUDABLE ET CARTON MULTICOUCHE THERMOSOUDABLE POUVANT ETRE OBTENU PAR LE PROCEDE
 - [72] MIETTINEN, PAIVI, FI
 - [72] AHOKAS, MIA, FI
 - [72] KEIHOLA, HEIDI, FI
 - [72] HEINONEN, JAANA, FI
 - [72] LUNDSTEN, GUN, FI
 - [71] CH-POLYMERS OY, FI
 - [85] 2023-04-26
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- [54] ARTICLE CARRIER AND BLANK THEREFOR
- [54] SUPPORT D'ARTICLE ET EBAUCHE CORRESPONDANTE
- [72] CHESNET, LAUREN N., US
- [72] STALEY, MARGARET B., US
- [72] MERZEAU, JULIEN, FR
- [71] WESTROCK PACKAGING SYSTEMS, LLC, US
- [85] 2023-04-26
- [86] 2021-10-29 (PCT/US2021/057361)
- [87] (WO2022/094282)
- [30] US (63/107,889) 2020-10-30
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- [54] PROCEDE D'HYDROGENATION SELECTIVE DE GAZ RESIDUAIRE D'EXTRACTION DE BUTADIENE ET DISPOSITIF D'HYDROGENATION SELECTIVE
- [72] LI, YAN, CN
- [72] TIAN, JUN, CN
- [72] LI, DONGFENG, CN
- [72] GUO, LIANG, CN
- [72] LI, CHUNFANG, CN
- [72] YUE, YI, CN
- [72] DU, ZHOU, CN
- [72] SHU, ZHAN, CN
- [72] LUO, SHUJUAN, CN
- [72] YE, JIEMING, CN
- [72] CUI, TING, CN
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- [71] BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM & CHEMICAL CORPORATION, CN
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- [86] 2021-10-19 (PCT/CN2021/124668)
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 - [25] EN
 - [54] FILTER UNIT, TEXTILE TREATMENT APPARATUS AND METHOD
 - [54] UNITE DE FILTRE, APPAREIL DE TRAITEMENT DE TEXTILE ET PROCEDE
 - [72] MATTLEY, JOSEPH MICHAEL, GB
 - [72] COBB, THOMAS ANDREW, GB
 - [72] SERVIN, PAUL FREDRIK LARS, GB
 - [72] BLAND, ELLIOT WILLIAM, GB
 - [71] XEROS LIMITED, GB
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 - [87] (WO2022/096880)
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- [54] SYSTEMES ET PROCEDES POUR REMUNERER UN UTILISATEUR ET AFFICHER UNE PUBLICITE SUR UN DISPOSITIF
- [72] AJAGBE, ADEBOWALE, US
- [71] AJAGBE, ADEBOWALE, US
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- [54] FORMULATIONS, PROCEDES ET DISPOSITIFS D'INJECTION PRE-REmplis SANS PARTICULES D'ACIDE GRAS
- [72] GUNZEL, EDWARD C., US
- [72] PATAPOFF, THOMAS W., US
- [71] W. L. GORE & ASSOCIATES, INC., US
- [85] 2023-04-26
- [86] 2021-11-15 (PCT/US2021/072413)
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- [54] PROCEDE DE SELECTION OU D'IDENTIFICATION D'UNE PLANTE BRASSICA NAPUS AYANT UNE RESISTANCE A UN PATHOGENE FONGIQUE
- [72] BREUER, FRANK, DE
- [72] KLOIBER-MAITZ, MONIKA, DE
- [72] OUZUNOVA, MILENA, DE
- [72] GERTZ, ANDREAS, DE
- [71] KWS SAAT SE & CO. KGAA, DE
- [85] 2023-04-26
- [86] 2021-10-26 (PCT/EP2021/079733)
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- [25] EN
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- [54] ADOUCISSANTS NON CATIONIQUES ET PROCEDES D'UTILISATION
- [72] DHAWAN, ASHISH, US
- [72] CHEN, YIQING, US
- [72] SILVERNAIL, CARTER M., US
- [72] MONSRUD, LEE, US
- [72] FURMAN, GARY SAMUEL JR., US
- [72] ALVES DA ROCHA, MARISA, US
- [71] ECOLAB USA INC., US
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- [30] US (63/199,408) 2020-12-23

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- [54] PROCEDE ET INSTALLATION POUR LE TRAITEMENT DE SAUMURE DANS DES BAISSES DE SEL POUR LE SALAGE DE FROMAGE
- [72] FEUERRIEGEL, BERND, DE
- [71] GEA TDS GMBH, DE
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- [30] DE (10 2020 006 813.8) 2020-11-06

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- [25] EN
- [54] HEAT HARDENING POLYMER FOR EXPANDABLE DOWNHOLE SEALS
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- [72] FRIPP, MICHAEL LINLEY, US
- [72] GLAESMAN, CHAD WILLIAM, US
- [72] SMITH, CHARLES TIMOTHY, US
- [71] HALLIBURTON ENERGY SERVICES, INC., US
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- [87] (WO2022/191825)
- [30] US (17/195,101) 2021-03-08

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- [25] EN
- [54] FORM WOUND MOTOR FOR ELECTRICAL SUBMERSIBLE PUMPS
- [54] MOTEUR A ENROULEMENT DE FORME POUR POMPES ELECTRIQUES SUBMERSIBLES
- [72] MANSIR, HASSAN, GB
- [72] BENCZE, ANDRAS, GB
- [71] CORETEQ SYSTEMS LIMITED, GB
- [85] 2023-04-26
- [86] 2022-02-21 (PCT/GB2022/050465)
- [87] (WO2022/200758)
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[25] EN
[54] GAME MOMENT IMPLEMENTATION SYSTEM AND METHOD OF USE THEREOF
[54] SYSTEME DE MISE EN ?UVRE DE MOMENT DE JEU ET SON PROCEDE D'UTILISATION
[72] LEWANDER, HENRIK, SE
[72] RISPOLI, RICHARD, CA
[72] MANSUETO, IVANO, CA
[72] DURANTON, JULIEN, CA
[71] ONMOBILE GLOBAL SOLUTIONS CANADA LIMITED, CA
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[86] 2021-11-02 (PCT/CA2021/051549)
[87] (WO2022/094700)
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[25] EN
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[54] FRACTURATION HYDRAULIQUE DE FORMATIONS GEOLOGIQUES ASSOCIEE A UN SYSTEME DE STOCKAGE D'ENERGIE
[72] OEHRING, JARED, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[87] (WO2022/182886)
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[25] EN
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[54] MOULE POUR FORMER UN ARTICLE UNITAIRE A PARTIR DE PATE A PAPIER
[72] TURNER, ADAM RICHARD, GB
[72] WILSON, NATASHA, GB
[72] LANZON-MILLER, JOSHUA, GB
[72] MORRIS, JONATHAN, GB
[71] DIAGEO GREAT BRITAIN LIMITED, GB
[85] 2023-04-26
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[87] (WO2022/096888)
[30] GB (2017432.2) 2020-11-04
[30] GB (2019305.8) 2020-12-08

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[25] EN
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[54] MATERIAUX A POIDS ET DENSITE STABLES POUR CORPS FLOTTANTS DE DISPOSITIF DE REGULATION DE DEBIT
[72] GLAESMAN, CHAD WILLIAM, US
[72] SMITH, CHARLES TIMOTHY, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[86] 2020-12-17 (PCT/US2020/065467)
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[30] US (17/124,577) 2020-12-17

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[25] EN
[54] LAUNDRY SOUR SOFTENER WITH EXTRA STABILITY AND ADDITIONAL BENEFITS OF LAUNDRY FIRE MITIGATION AND SUNSCREEN REMOVAL
[54] ADOUCISSANT ACIDE POUR LINGE AYANT UNE STABILITE SUPPLEMENTAIRE ET DES AVANTAGES SUPPLEMENTAIRES D'ATTENUATION D'INCENDIE DE LINGE ET D'ELIMINATION DE PRODUIT DE PROTECTION SOLAIRE
[72] MCGRANE, PETER J., US
[72] MAN, VICTOR FUK-PONG, US
[71] ECOLAB USA INC., US
[85] 2023-04-26
[86] 2021-12-22 (PCT/US2021/064822)
[87] (WO2022/140522)
[30] US (63/199,403) 2020-12-23

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[25] EN
[54] SUBSTITUTED ALKANOLAMINE SCALE INHIBITOR
[54] INHIBITEUR D?ENTARTRAGE DE TYPE ALCANOLAMINE SUBSTITUEE
[72] SHEN, DONG, US
[72] SUN, HONG, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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 - [54] TREATMENT OR PREVENTION OF HIV INFECTION
 - [54] TRAITEMENT OU PREVENTION D'UNE INFECTION PAR LE VIH
 - [72] VESOLE, STEVEN M., US
 - [72] KRAUS, GUENTER KARL WILHELM, BE
 - [72] CRAUWELS, HERTA MARIA LUDOVICA, BE
 - [72] HOLM, RENE, BE
 - [72] NIEMEIJER, NICO RUDOLPH, BE
 - [72] VERVOORT, IWAN CAROLINE F., BE
 - [71] JANSSEN SCIENCES IRELAND UNLIMITED COMPANY, IE
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 - [86] 2021-11-17 (PCT/US2021/072453)
 - [87] (WO2022/109555)
 - [30] US (63/114,997) 2020-11-17
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- [54] REACTIFS POUR SEQUENCAGE MASSIVEMENT PARALLELE D'ACIDES NUCLEIQUES
- [72] ARSLAN, SINAN, US
- [72] HE, MOLLY, US
- [72] PREVITE, MICHAEL, US
- [72] TIPPANA, RAMREDDY, US
- [72] YU, HUA, US
- [72] LIGHT, WILLIAM, US
- [72] ZHAO, JUNHUA, US
- [71] ELEMENT BIOSCIENCES, INC., US
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- [87] (WO2022/094332)
- [30] US (63/108,207) 2020-10-30

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 - [25] EN
 - [54] DAIRY-LIKE COMPOSITIONS AND RELATED METHODS
 - [54] COMPOSITIONS DE TYPE LAITAGE ET PROCEDES ASSOCIES
 - [72] RADMAN, INJA, US
 - [72] ADAMES, NEIL, US
 - [72] STODDARD, PATRICK, US
 - [72] PANFAIR, DILRAJKAUR, US
 - [71] NEW CULTURE, INC., US
 - [85] 2023-04-26
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 - [87] (WO2022/098835)
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- [25] EN
- [54] SNOW STAKE
- [54] ECHELLE A NEIGE
- [72] PRIOR-JONES, MICHAEL, GB
- [71] UNIVERSITY COLLEGE CARDIFF CONSULTANTS LIMITED, GB
- [85] 2023-04-26
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- [87] (WO2022/090701)
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 - [54] SYSTEME ET PROCEDE DE FORMATION D'UN ARTICLE MOULE
 - [72] TURNER, ADAM RICHARD, GB
 - [72] MORRIS, JONATHAN, GB
 - [72] WILSON, NATASHA, GB
 - [72] LANZON-MILLER, JOSHUA, GB
 - [72] BURNESS, ANTONY ROBIN, GB
 - [72] NORFOLK, ANDREW WILLIAM, GB
 - [72] WILLIAMS, BENJAMIN RHYS, GB
 - [72] KING, AMY JOANNE, GB
 - [72] BARTON, RUPERT ANTHONY, GB
 - [72] SMITH, PAUL CLIFFORD, GB
 - [71] DIAGEO GREAT BRITAIN LIMITED, GB
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- [54] ANALYSE CAPILLAIRE HAUTE CAPACITE POUR UN PRODUIT CAPILLAIRE PERSONNALISE
- [72] DELAPENHA, ERIC, US
- [72] DONAYRE, CHRISTOPHER, US
- [71] STRANDS HAIR CARE, US
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[54] DISPOSITIF D'EXERCICE ET SYSTEME D'EXERCICE
[72] LAMMERS, GERRIT JAN, NL
[72] WEISS, MATTHIAS, NL
[72] HUMBARGER, KRIS BRIAN, NL
[71] HAEYVEN B.V., NL
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[72] PARK, JI HOON, KR
[72] KWON, BONG SOO, KR
[71] TTI CO., LTD., KR
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[54] BARRE DE REMPLACEMENT DE REPAS COMPRENANT DES INGREDIENTS ALIMENTAIRES NATURELS ET/OU REELS ET PROCEDES DE FABRICATION ET D'UTILISATION DE LA BARRE DE REMPLACEMENT DE REPAS
[72] BRIJWANI, KHUSHAL, US
[72] BERK, EVAN, US
[72] SAVANT, VIVEK DILIP, US
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
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[54] ANNULOPLASTY DEVICE
[54] DISPOSITIF D'ANNULOPLASTIE
[72] KERANEN, OLLI, SE
[71] HVR CARDIO OY, FI
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[86] 2021-10-31 (PCT/EP2021/080228)
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[25] EN
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[54] COUPLEUR DE TUBE A ERGOT AVEC RAINURE D'AGENT DE LIAISON
[72] FEITH, RAYMOND P., US
[72] KIPP, RANDY, US
[72] PARK, SOON Y., US
[72] SHEVGOOR, SIDDARTH K., US
[71] CAREFUSION 303, INC., US
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[25] EN
[54] APPARATUS FOR WIRELESS POWER TRANSMISSION AND METHOD OF USE THEREOF
[54] APPAREIL DE TRANSMISSION D'ENERGIE SANS FIL ET PROCEDE D'UTILISATION ASSOCIE
[72] BOULANGER, PHILIPPE, CA
[72] BIDAUT, XAVIER, CA
[71] QUAZE TECHNOLOGIES INC., CA
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[86] 2021-11-03 (PCT/CA2021/051560)
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 - [54] NOUVELLE COMPOSITION THERAPEUTIQUE A BASE D'HUILES ESSENTIELLES A FAIBLES DOSES
 - [72] BEZZARGA, MOUNIR, TN
 - [71] BEZZARGA, MOUNIR, TN
 - [85] 2023-04-27
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- [25] EN
- [54] METHOD FOR PRODUCING WOUND DRESSINGS ON THE BASIS OF PHOSPHOLIPID-CONTAINING NANODISPERSIONS
- [54] PROCEDE DE PRODUCTION DE PANSEMENTS SUR LA BASE DE NANODISPERSIONS CONTENANT DES PHOSPHOLIPIDES
- [72] DANIELS, ROLF, DE
- [71] PROF4SKIN GMBH, DE
- [85] 2023-04-27
- [86] 2021-11-01 (PCT/DE2021/000177)
- [87] (WO2022/089680)
- [30] DE (10 2020 006 675.5) 2020-10-30

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 - [25] EN
 - [54] MULTI-HALF PIPE HEAT EXCHANGE SYSTEM FOR ELECTRIC ARC, METALLURGICAL OR REFINING FURNACES AND SYSTEM THEREOF
 - [54] SYSTEME D'ECHANGE DE CHALEUR A MULTIPLE DEMI-TUYAU POUR FOURS A ARC ELECTRIQUE, METALLURGIQUES OU D'AFFINAGE ET SYSTEME CORRESPONDANT
 - [72] MANASEK, RICHARD J., US
 - [71] AMERIFAB, INC., US
 - [85] 2023-04-27
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- [54] LEVIER DE CHANGEMENT DE VITESSE REGLABLE
- [72] ZINDLER, MICHAEL T., US
- [71] THE BRAUN CORPORATION, US
- [85] 2023-04-27
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- [87] (WO2022/132886)
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 - [25] EN
 - [54] ROLLER FRAME ASSEMBLY IN GROUND-ENGAGING TRACK SYSTEM HAVING ANTI-BACKBENDING ROLLERS AND METHOD
 - [54] ENSEMBLE LONGERON DE CHENILLES DANS UN SYSTEME DE CHENILLE DE MISE EN PRISE AVEC LE SOL AYANT DES GALETS ANTI-RECOL ET PROCEDE
 - [72] SUANNO, GENNARO, US
 - [72] ABELLO, BENOIT, US
 - [72] DARGES, MICHAEL JAMES, US
 - [71] CATERPILLAR INC., US
 - [85] 2023-04-27
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- [54] CHARNIERE DE DEPASSEMENT DE COURSE
- [72] MEYER, RUSSELL, US
- [72] BETTCHER, ROBERT E., US
- [71] THE BRAUN CORPORATION, US
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- [25] FR
- [54] ELECTRONIC TRANSACTION DEVICE COMPRISING A MECHANISM AFFORDING PROTECTION AGAINST THE INSERTION OF A NON-COMPLIANT OBJECT INTO THE CHIP CARD READER
- [54] DISPOSITIF DE TRANSACTION ELECTRONIQUE COMPRENANT UN MECANISME DE PROTECTION CONTRE L'INSERTION D'UN OBJET NON CONFORME DANS LE LECTEUR DE CARTE A PUCE
- [72] YERNAUX, OLIVIER, FR
- [71] BANKS AND ACQUIRERS INTERNATIONAL HOLDING, FR
- [85] 2023-04-27
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- [25] EN
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- [54] LIEURS CLIVABLES SPECIFIQUES AUX TUMEURS
- [72] ROZENFELD, RAPHAEL, US
- [72] ESKIOCAK, UGUR, US
- [72] QIU, HUAWEI, US
- [72] JOHNSON, PARKER, US
- [72] JENKINS, KURT ALLEN, US
- [72] PEDERZOLI-RIBEIL, MAGALI, US
- [72] TOMAR, DHEERAJ SINGH, US
- [72] O'DONNELL, REBEKAH KAY, US
- [71] XILIO DEVELOPMENT, INC., US
- [85] 2023-04-27
- [86] 2021-11-24 (PCT/US2021/072603)
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- [30] US (63/118,585) 2020-11-25
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- [25] EN
- [54] A METHOD PERFORMED BY A CONTROL DEVICE FOR CONTROLLING THE VELOCITY OF A MINING MACHINE, A CONTROL DEVICE, AND A MINING MACHINE
- [54] PROCEDE MIS EN ?UVRE PAR UN DISPOSITIF DE COMMANDE POUR COMMANDER LA VITESSE D'UNE MACHINE POUR EXPLOITATION MINIERE, DISPOSITIF DE COMMANDE ET MACHINE POUR EXPLOITATION MINIERE
- [72] SARNBRINK, JOHAN, SE
- [72] MAGNUSSON, SIMON, SE
- [71] EPIROC ROCK DRILLS AKTIEBOLAG, SE
- [85] 2023-04-27
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- [25] FR
- [54] CARBON-FREE DIHYDROGEN PRODUCTION AND DELIVERY UNIT; METHOD FOR OPERATING SAID UNIT
- [54] UNITE DE PRODUCTION DECARBONEE ET DE DISTRIBUTION DE DIHYDROGENE; PROCEDE DE FONCTIONNEMENT DE CETTE UNITE
- [72] GATT, GERARD, FR
- [72] GEORGE, YVES, FR
- [72] TRIMBOLI, GIOVANNI, FR
- [72] RADOIU, MARILENA, FR
- [71] SAKOWIN, FR
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- [54] COMPOSITION DE REVETEMENT A BASE PROFONDE A FAIBLE BRILLANCE
- [72] BOHLING, JAMES C., US
- [72] HANN, SARAH D., US
- [72] HARSH, PHILIP R., US
- [72] MAJUMDAR, PARTHA S., US
- [72] PHILLIPS, TERESA A., US
- [72] SUDER, THOMAS W., US
- [71] ROHM AND HAAS COMPANY, US
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- [25] EN
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- [54] DISPOSITIF DE SUPPORT POUR ETAGERES DE MEUBLES A TRANSFERT DE CHARGE OPTIMISE
- [72] CATTANEO, CARLO, IT
- [71] LEONARDO S.R.L., IT
- [85] 2023-04-27
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 - [54] SYSTEM AND METHOD FOR BATTERY SELECTION
 - [54] SYSTEME ET PROCEDE DE SELECTION DE BATTERIE
 - [72] BOSE, DEEPAN C., US
 - [72] BELLILE, AUSTIN, US
 - [72] SEARL, JASON D., US
 - [72] CIURLIK, KATHRYN M., US
 - [72] JIN, ZHIHONG, US
 - [72] DIAZ MARTINEZ, DIEGO HERNAN, US
 - [72] CRAIN, LOGAN, US
 - [71] CPS TECHNOLOGY HOLDINGS LLC, US
 - [85] 2023-04-27
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- [25] EN
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- [54] AUTO-SEGMENTATION D'EMPREINTES DIGITALES PAR RESONANCE MAGNETIQUE PROFONDE
- [72] COHEN, OURI, US
- [72] OTAZO, RICARDO, US
- [72] VEERARAGHAVAN, HARINI, US
- [71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
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 - [25] EN
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 - [54] CICATRISATION DES PLAIES
 - [72] NOVOKHATNY, VALERY, US
 - [71] GRIFOLS WORLDWIDE OPERATIONS LIMITED, IE
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- [54] REPULSIF D'ARBRE A EAU A BASE DE POLYAMINOSILOXANE POUR ISOLATION ELECTRIQUE
- [72] HE, CHAO, CN
- [72] SUN, YABIN, CN
- [72] GOU, QIAN, US
- [72] COGEN, JEFFREY M., US
- [72] PERSON, TIMOTHY J., US
- [71] DOW GLOBAL TECHNOLOGIES LLC, US
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 - [25] EN
 - [54] METHOD AND SYSTEM FOR SEGMENTING AND CHARACTERIZING AORTIC TISSUES
 - [54] PROCEDE ET SYSTEME DE SEGMENTATION ET DE CARACTERISATION DE TISSUS AORTIQUES
 - [72] ABDOLMANAFI, ATEFEH, CA
 - [72] DI MARTINO, ELENA, CA
 - [72] FORNERIS, ARIANNA, CA
 - [71] VITAA MEDICAL SOLUTIONS INC., CA
 - [85] 2023-04-27
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- [25] EN
- [54] SINGULAR/WIRED FUZING DEVICE
- [54] DISPOSITIF D'ALLUMAGE SINGULIER/A FIL
- [72] PUNDOLE, FARAI DOON, US
- [71] PUNDOLE, FARAI DOON, US
- [85] 2023-04-27
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- [54] SYSTEME ET PROCEDE DE COORDINATION D'UN DEPLACEMENT DE MACHINES AGRICOLES ET DE SYSTEMES D'IRRIGATION
- [72] MILLER, MARK WILLIAM, US
- [71] LINDSAY CORPORATION, US
- [85] 2023-04-27
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- [87] (WO2022/093548)
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- [25] EN
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- [54] DISPOSITIF DE THERMOSTAT ET SON PROCEDE DE FABRICATION
- [72] KUMASHIRO, TSUYOSHI, JP
- [71] NIPPON THERMOSTAT CO., LTD., JP
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- [86] 2021-09-22 (PCT/JP2021/034672)
- [87] (WO2022/102250)
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- [25] EN
- [54] PYRIMIDINE COMPOUNDS, COMPOSITIONS, AND MEDICINAL APPLICATIONS THEREOF
- [54] COMPOSES DE PYRIMIDINE, COMPOSITIONS ET LEURS APPLICATIONS MEDICALES
- [72] HALLUR, GURULINGAPPA, IN
- [72] MADHYASTHA, NAVNEENA, IN
- [72] STEPHEN, MICHAEL RAJESH, IN
- [72] ROTH, BRUCE, US
- [72] PANDEY, ANJALI, US
- [72] SAXTON, TRACY, US
- [71] BLUEPRINT MEDICINES CORPORATION, US
- [85] 2023-04-27
- [86] 2021-10-30 (PCT/US2021/057474)
- [87] (WO2022/094355)
- [30] US (63/108,185) 2020-10-30
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- [25] EN
- [54] COMBINATION VACCINE FOR PROTECTING SWINE AGAINST VARIOUS DISORDERS
- [54] VACCIN COMBINE POUR LA PROTECTION DES PORCS CONTRE DIVERS TROUBLES
- [72] KOOLJMAN, SIETSKE, NL
- [72] SEGERS, RUUD PHILIP ANTOON MARIA, NL
- [72] WITVLIET, MAARTEN HENDRIK, NL
- [71] INTERVET INTERNATIONAL B.V., NL
- [85] 2023-04-27
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- [25] EN
- [54] INTEGRATION OF OXIDATIVE DEHYDROGENATION PROCESS WITH CATALYTIC MEMBRANE DEHYDROGENATION REACTOR PROCESS
- [54] INTEGRATION D'UN PROCEDE DE DESHYDROGENATION OXYDANTE AVEC UN PROCEDE DE REACTEUR DE DESHYDROGENATION A MEMBRANE CATALYTIQUE
- [72] GOODARZNIA, SHAHIN, CA
- [72] SIMANZHENKOV, VASILY, CA
- [72] OLAYIWOLA, BOLAJI, CA
- [71] NOVA CHEMICALS (INTERNATIONAL) S.A., CH
- [85] 2023-04-27
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- [87] (WO2022/096994)
- [30] US (63/109,372) 2020-11-04
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- [25] EN
- [54] SYSTEMS AND METHODS FOR SCHEDULING AND COORDINATING APPLICATIONS OF FERTILIZERS, PESTICIDES, AND WATER IN AGRICULTURAL FIELDS
- [54] SYSTEMES ET PROCEDES DE PLANIFICATION ET DE COORDINATION D'APPLICATIONS D'ENGRAIS, DE PESTICIDES ET D'EAU DANS DES CHAMPS AGRICOLES
- [72] MILLER, MARK WILLIAM, US
- [71] LINDSAY CORPORATION, US
- [85] 2023-04-27
- [86] 2021-10-15 (PCT/US2021/055147)
- [87] (WO2022/093549)
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[25] EN
[54] DEVICES, SYSTEMS, AND
METHODS FOR ADJUSTING THE
OUTPUT OF A REACTOR CORE
[54] DISPOSITIFS, SYSTEMES ET
PROCEDES POUR REGLER LA
SORTIE D'UN C?UR DE
REACTEUR
[72] ALESHIN, YURIY, US
[72] LEVINSKY, ALEX, US
[71] WESTINGHOUSE ELECTRIC
COMPANY LLC, US
[85] 2023-04-27
[86] 2021-10-29 (PCT/US2021/072107)
[87] (WO2022/094594)
[30] US (17/084,365) 2020-10-29

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[25] EN
[54] SYSTEM AND METHOD FOR
ARRANGEMENTS OF VISUAL
INFORMATION IN USER-
CONFIGURABLE FORMAT
[54] SYSTEME ET PROCEDE POUR
DES AGENCEMENTS
D'INFORMATIONS VISUELLES
DANS UN FORMAT
CONFIGURABLE PAR
L'UTILISATEUR
[72] WEINER, ADAM, US
[72] GEAGEA, KAMEL M., US
[72] GRIFFITH, REED C., US
[71] INNOVATIVE TRANSDUCER
IMPLEMENTATION LLC, US
[85] 2023-04-27
[86] 2021-12-28 (PCT/US2021/065417)
[87] (WO2022/094492)
[30] US (63/106,964) 2020-10-29

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(2006.01) C04B 38/00 (2006.01) F01N
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[25] FR
[54] ELEMENT FOR SEPARATING A
LIQUID MEDIUM WITH HIGH
PARIETAL SHEAR STRESS
[54] ELEMENT DE SEPARATION D'UN
MILIEU LIQUIDE A
CONTRAINTE DE
CISAILLEMENT PARIETALE
ELEVEE
[72] LESCOCHE, PHILIPPE, FR
[72] ANQUETIL, JEROME, FR
[71] TECHNOLOGIES AVANCEES ET
MEMBRANES INDUSTRIELLES, FR
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[86] 2021-11-19 (PCT/FR2021/052038)
[87] (WO2022/106786)
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IMPROVED CONTACT PRESSURE
DISTRIBUTION
[54] ENSEMBLES DE PILES A
COMBUSTIBLE A REPARTITION
DE PRESSION DE CONTACT
AMELIOREE
[72] GUENTHER, MATTHEW, CA
[72] KADYLAK, DAVID ERWIN, CA
[72] MACKINNON, SEAN MICHAEL, CA
[72] PULSKAMP, ANDREA, CA
[72] PAONE, MATTHEW PAUL, CA
[71] LOOP ENERGY INC., CA
[85] 2023-04-27
[86] 2021-11-04 (PCT/CA2021/051575)
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D21H 21/24 (2006.01)
[25] EN
[54] SOFTENER CONCENTRATE,
SOFTENER EMULSION, METHOD
FOR PRODUCING SOFTENER
EMULSION AND ITS USE
[54] CONCENTRE D'ADOUCISSANT,
EMULSION D'ADOUCISSANT,
PROCEDE DE FABRICATION
D'EMULSION D'ADOUCISSANT
ET SON UTILISATION
[72] DANG, ZHENG, US
[72] CHEN, JUNHUA, US
[72] CAMPBELL, CLAYTON, US
[72] ZOU, YONG, US
[72] LUO, YUPING, US
[71] KEMIRA OYJ, FI
[85] 2023-04-27
[86] 2021-12-27 (PCT/FI2021/050913)
[87] (WO2022/144502)
[30] US (63/131,328) 2020-12-29
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[51] Int.Cl. B02C 17/20 (2006.01) B02C
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[25] EN
[54] METHOD FOR OBTAINING
NATURAL RUBBER FROM
PLANT MATERIAL
[54] PROCEDE POUR OBTENIR DU
CAOUTCHOUC NATUREL A
PARTIR DE MATIERE
VEGETALE
[72] BEHM, FRANK, DE
[72] HERZOG, KATHARINA, DE
[72] JANCZAK, NORBERT, DE
[72] RECKER, CARLA, DE
[72] VENZ, CARSTEN, DE
[72] PRUFER, DIRK, DE
[72] SCHULZE GRONOVER,
CHRISTIAN, DE
[71] CONTINENTAL REIFEN
DEUTSCHLAND GMBH, DE
[71] FRAUNHOFER GESELLSCHAFT
ZUR FORDERUNG DER
ANGEWANDTEN FORSCHUNG
E.V., DE
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[25] EN
[54] LATERAL FLOW DEVICES FOR HIGH SENSITIVITY DETECTION OF CORONAVIRUS INFECTION, AND METHODS OF MAKING AND USING THE SAME
[54] DISPOSITIFS A ECOULEMENT LATERAL POUR LA DETECTION A HAUTE SENSIBILITE D'UNE INFECTIO N A CORONAVIRUS, ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION
[72] JI, HENRY HONGJUN, US
[71] SORRENTO THERAPEUTICS, INC., US
[85] 2023-04-27
[86] 2021-11-03 (PCT/US2021/057932)
[87] (WO2022/098782)
[30] US (63/109,859) 2020-11-04

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[51] Int.Cl. A61F 2/02 (2006.01) A61M 5/14 (2006.01) A61M 31/00 (2006.01)
[25] EN
[54] METHODS AND SYSTEMS FOR ENCAPSULATION DEVICES FOR HOUSING CELLS AND AGENTS
[54] PROCEDES ET SYSTEMES POUR DISPOSITIFS D'ENCAPSULATION SERVANT A ENVELOPPER DES CELLULES ET DES AGENTS
[72] PAPAS, KLEARCHOS, US
[71] THE ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA, US
[71] PROCYON TECHNOLOGIES LLC, US
[85] 2023-04-27
[86] 2021-11-01 (PCT/US2021/057526)
[87] (WO2022/094380)
[30] US (63/108,017) 2020-10-30

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[25] EN
[54] TREATMENT OR PREVENTION OF A DISEASE OR DISORDER
[54] TRAITEMENT OU PREVENTION D'UNE MALADIE OU D'UN TROUBLE
[72] HOLM, RENE, BE
[72] VESOLE, STEVEN M., US
[72] KRAUS, GUENTER KARL WILHELM, BE
[71] JANSSEN SCIENCES IRELAND UNLIMITED COMPANY, IE
[85] 2023-04-27
[86] 2021-11-17 (PCT/EP2021/082031)
[87] (WO2022/106487)
[30] US (63/115,002) 2020-11-17

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[51] Int.Cl. C07K 16/24 (2006.01) A61P 3/06 (2006.01)
[25] EN
[54] METHODS TO EXTEND HEALTH-SPAN AND TREAT AGE-RELATED DISEASES
[54] METHODES D'EXTENSION DE DUREE DE VIE EN BONNE SANTE ET DE TRAITEMENT DE MALADIES LIEES A L'AGE
[72] CORDEN, BENJAMIN, SG
[72] WIDJAJA, ANISSA, SG
[72] SCHAEFFER, SEBASTIAN, SG
[72] COOK, STUART, SG
[72] SINGH, BRIJESH KUMAR, SG
[71] NATIONAL UNIVERSITY OF SINGAPORE, SG
[71] SINGAPORE HEALTH SERVICES PTE. LTD., SG
[85] 2023-04-27
[86] 2021-10-29 (PCT/EP2021/080202)
[87] (WO2022/090509)
[30] GB (2017244.1) 2020-10-30

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[51] Int.Cl. F01K 25/10 (2006.01)
[25] EN
[54] PLANT FOR PRODUCING MECHANICAL ENERGY FROM A CARRIER FLUID UNDER CRYOGENIC CONDITIONS
[54] INSTALLATION DE PRODUCTION D'ENERGIE MECANIQUE A PARTIR D'UN FLUIDE VECTEUR DANS DES CONDITIONS CRYOGENIQUES
[72] RUSSO, VITALIANO, IT
[72] MUTI, PIETRO, IT
[71] SYLANS SAGL, CH
[85] 2023-04-27
[86] 2021-12-14 (PCT/IB2021/061682)
[87] (WO2022/130191)
[30] IT (102020000031184) 2020-12-17

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[25] EN
[54] DEVICES, SYSTEMS, AND METHODS FOR CONFIGURING THE LAYOUT OF UNIT CELL OF A REACTOR CORE
[54] DISPOSITIFS, SYSTEMES ET PROCEDES POUR CONFIGURER L'AGENCEMENT D'UNE CELLULE UNITAIRE D'UN C?UR DE REACTEUR
[72] LEVINSKY, ALEX, US
[72] ALESHIN, YURIY, US
[72] HARKNESS, ALEXANDER W., US
[71] WESTINGHOUSE ELECTRIC COMPANY LLC, US
[85] 2023-04-27
[86] 2021-10-29 (PCT/US2021/072109)
[87] (WO2022/094596)
[30] US (17/084,403) 2020-10-29

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<p>[21] 3,196,885 [13] A1</p> <p>[51] Int.Cl. B24B 47/22 (2006.01) B23Q 15/22 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR CONTROLLING AND/OR MONITORING A WORKPIECE MACHINING PROCESS</p> <p>[54] PROCEDE DE COMMANDE ET/OU DE SURVEILLANCE D'UN PROCESSUS D'USINAGE DE PIECES</p> <p>[72] WUNDERLICH, RAINER, DE</p> <p>[72] DIX, MARTIN, DE</p> <p>[71] PRO-MICRON GMBH, DE</p> <p>[85] 2023-04-27</p> <p>[86] 2021-10-27 (PCT/EP2021/079801)</p> <p>[87] (WO2022/090304)</p> <p>[30] DE (10 2020 128 811.5) 2020-11-02</p>

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<p>[21] 3,196,884 [13] A1</p> <p>[51] Int.Cl. F24F 13/062 (2006.01) F24F 13/065 (2006.01) F24F 13/10 (2006.01) F24F 13/24 (2006.01)</p> <p>[25] EN</p> <p>[54] DEVICE FOR SETTING AN AIR VOLUMETRIC FLOW RATE</p> <p>[54] DISPOSITIF DE REGLAGE D'UN DEBIT VOLUMETRIQUE D'AIR</p> <p>[72] MATHIS, PAUL, DE</p> <p>[72] MULLER, DIRK, DE</p> <p>[71] VIESSMANN CLIMATE SOLUTIONS SE, DE</p> <p>[85] 2023-04-27</p> <p>[86] 2021-11-02 (PCT/EP2021/080364)</p> <p>[87] (WO2022/101056)</p> <p>[30] EP (20207397.9) 2020-11-13</p>

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- [25] EN
- [54] HEAT-CURABLE POLYURETHANE COMPOSITIONS
- [54] COMPOSITIONS DE POLYURETHANE THERMODURCISSABLES
- [72] SCHLUMPF, MICHAEL, CH
- [72] REIMANN, SVEN, CH
- [71] SIKA TECHNOLOGY AG, CH
- [85] 2023-04-27
- [86] 2021-11-30 (PCT/EP2021/083607)
- [87] (WO2022/117576)
- [30] EP (20212027.5) 2020-12-04
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- [25] EN
- [54] CATHETER ASSEMBLIES WITH INTERFACIAL PH CONTROLLER
- [54] ENSEMBLES CATHETERS A CONTROLEUR DE PH INTERFACE
- [72] FARRELL, DAVID J., US
- [72] MURNAGHAN, KEVIN, US
- [72] HORKAN, CARLOS, US
- [72] PANESAR, SATWINDER S., US
- [72] HEALY, PAUL, US
- [71] HOLLISTER INCORPORATED, US
- [85] 2023-04-27
- [86] 2021-11-02 (PCT/US2021/057664)
- [87] (WO2022/103619)
- [30] US (63/113,707) 2020-11-13
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- [54] DEVICE FOR LIGHT TRANSMISSION OF AN ANALOGUE SIGNAL
- [54] DISPOSITIF DE TRANSMISSION LUMINEUSE D'UN SIGNAL ANALOGIQUE
- [72] THIRIOT, CYRIL, FR
- [72] BRUN, LILIAN, FR
- [71] LIFINEO, FR
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- [72] TALBOT, BRIAN COLIN, AU
- [72] CATOVIC, ENEJ, AU
- [71] GALAXY RESOURCES LIMITED, AU
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- [54] MONTANT DE PORTE INTERIEURE EN BOIS MELANGE
- [72] THOMSON, COLIN MACRAE, US
- [71] WILLIAM-MACRAE AND COMPANY, US
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- [54] VARIANTS DE L'ACIDE CANNABIDIOLIQUE SYNTHASE AYANT UNE ACTIVITE AMELIOREE POUR UNE UTILISATION DANS LA PRODUCTION DE PHYTOCANNABINOIDES
- [72] SONG, LETIAN, CA
- [72] LIAO, TIMOTHY S., CA
- [72] WALTON, CURTIS, CA
- [72] HOM, LOUIS, CA
- [72] MELGAR, MINDY, CA
- [72] FURLONG, DANIEL, CA
- [72] BHARGAVA, DEVANSHI, CA
- [72] PALYS, SYLVESTER, CA
- [72] BOURGEOIS, LEANNE, CA
- [71] HYASYNTH BIOLOGICALS INC., CA
- [85] 2023-04-27
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- [54] RETAINING POCKET
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- [72] LOSGAR, JEREMY, US
- [71] LOSGAR, JEREMY, US
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 - [54] AGONISTES DU RECEPTEUR DE L'OREXINE D'UREE MACROCYCLIQUE
 - [72] ARMACOST, KIRA A., US
 - [72] CHIRIAC, MARIA IRINA, US
 - [72] HURZY, DANIELLE M., US
 - [72] KERN, JEFFREY C., US
 - [72] LIU, JIAN, US
 - [72] MANLEY, PETER J., US
 - [72] RADA, VANESSA L., US
 - [72] RUDD, MICHAEL T., US
 - [72] STUMP, CRAIG A., US
 - [72] WU, ZHE, US
 - [72] XIAO, DONG, US
 - [71] MERCK SHARP & DOHME LLC, US
 - [85] 2023-04-27
 - [86] 2021-10-28 (PCT/US2021/056947)
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 - [25] EN
 - [54] METHODS AND SYSTEMS FOR BIOTHERAPEUTIC DEVELOPMENT
 - [54] PROCEDES ET SYSTEMES DE POUR LE DEVELOPPEMENT DE BIOTHERAPIES
 - [72] ARORA, JAYANT, US
 - [72] TANG, XIAOLIN, US
 - [72] SHAMEEM, MOHAMMED, US
 - [72] TAFAZZOL, ALIREZA, US
 - [71] REGENERON PHARMACEUTICALS, INC., US
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 - [54] WORK DEVICE
 - [54] DISPOSITIF DE TRAVAIL
 - [72] KOPONEN, TENHO, FI
 - [72] KOPONEN, MIKA, FI
 - [71] TMK MACHINERY OY, FI
 - [85] 2023-04-27
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- [54] FIXATIVE COMPOSITIONS AND METHODS OF PRESERVING BIOLOGICAL SAMPLES
- [54] COMPOSITIONS DE FIXATEUR ET PROCEDES DE CONSERVATION D'ECHANTILLONS BIOLOGIQUES

- [72] MURPHY, KIERAN, CA
 - [72] VUCEVIC, DIANA, CA
 - [72] KESHAVJEE, SHAFIQUE, CA
 - [71] UNIVERSITY HEALTH NETWORK, CA
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 - [54] CARTE DE TRANSACTION DOTEE D'UNE COUCHE DE VERRE PARTIELLE
 - [72] LOWE, ADAM, US
 - [72] POTOCKI, KRISTIN, US
 - [71] COMPOSECURE, LLC, US
 - [85] 2023-04-27
 - [86] 2021-10-28 (PCT/US2021/056967)
 - [87] (WO2022/094021)
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 - [54] COMPOSITIONS AND METHODS FOR PREVENTING AND TREATING CORONAVIRUSES
 - [54] COMPOSITIONS ET METHODES DE PREVENTION ET DE TRAITEMENT DE CORONAVIRUS
 - [72] SELIM, ABDULHAFEZ, US
 - [72] KASEB, AHMED OMAR, US
 - [71] NOVATEK THERAPEUTICS, LLC, US
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 - [54] DISPOSITIF DE TRAITEMENT DE PRODUIT ALIMENTAIRE
 - [72] INO, DAISUKE, XX
 - [72] HASHIMOTO, YASUHIRO, XX
 - [71] PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD., JP
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- [54] BAGUE DE SUPPORT UNIVERSELLE
- [72] SHOUP, JOSEPH MICHAEL, US
- [72] HISZEM, MARK JOHN, US
- [72] ABEL, RYAN DOUGLAS, US
- [71] A. STUCKI COMPANY, US
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 - [54] **ONBOARD CONTROLLER FOR LIGHT FIXTURE FOR INDOOR GROW APPLICATION**
 - [54] **DISPOSITIF DE COMMANDE EMBARQUE POUR SYSTEME D'ECLAIRAGE DESTINE A LA CULTURE EN INTERIEUR**
 - [72] CAI, DENGKE, US
 - [72] OCHS, MARK A., US
 - [71] HGCI, INC., US
 - [85] 2023-04-27
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- [54] **BOUCHONS ET PROCEDES POUR LEUR TRANSLATION A TRAVERS UN TUBE**
- [72] HINKLE, TYLER N., US
- [72] BASHAM, ROBERT C., US
- [72] MORSE, DAVID T., US
- [71] W. L. GORE & ASSOCIATES, INC., US
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 - [54] **METHODS AND APPARATUSES FOR INSTANTIATION OF NS OR VNF**
 - [54] **PROCEDE ET APPAREILS D'INSTANCIATION D'UN NS OU D'UNE VNF**
 - [72] ZHOU, PING, CN
 - [72] BJORKQVIST, MAGNUS, SE
 - [72] PAPP, OKTAVIAN KLAUDIUSZ, HU
 - [72] MARTIN DE NICOLAS, ARTURO, BE
 - [72] BHYRRAJU, RAJAVARMA, IE
 - [72] BADULESCU, CRISTINA, CA
 - [71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
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- [54] **APPAREILS ET PROCEDES DESTINES A ETRE UTILISES AVEC DES SYSTEMES DE CLOCHE DE CIRCULATION INVERSE**
- [72] LACHANCE, ANTHONY, CA
- [72] MAC LOUGHLIN, ANDRES, AU
- [71] BLY IP INC., US
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- [54] **MODULATEURS DE LA VOIE DE REPONSE INTEGREE AU STRESS**
- [72] MARTIN, KATHLEEN ANN, US
- [72] SIDRAUSKI, CARMELA, US
- [72] DART, MICHAEL J., US
- [72] MURAUSKI, KATHLEEN J., US
- [72] RANDOLPH, JOHN T., US
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- [72] SMITH, RUSSELL C., US
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- [72] XU, XIANGDONG, US
- [72] BENELKEBIR, HANAE, GB
- [72] CHOCHAN, KAMALDEEP K., GB
- [72] EDESON, STEVEN J., GB
- [72] SCHWENK, SEBASTIAN, GB
- [72] STARBUCK, KATHRYN A., GB
- [71] CALICO LIFE SCIENCES LLC, US
- [71] ABBVIE INC., US
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- [54] SYSTEMES ET PROCEDES DE CLASSIFICATION AUTOMATIQUE DE DOCUMENTS
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- [72] VOLD, ANDREW, US
- [72] MADAN, KANIKA, CA
- [72] SCHILDER, FRANK, US
- [71] THOMSON REUTERS GLOBAL ENTERPRISE CENTRE GMBH, CH
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- [25] EN
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- [54] SYSTEME ET PROCEDE D'IDENTIFICATION DE TRANSCRIPTION SPECIFIQUE A DES CELLULES CANCEREUSES
- [72] SHLIEN, ADAM, CA
- [72] ZATZMAN, MATTHEW, CA
- [71] THE HOSPITAL FOR SICK CHILDREN, CA
[85] 2023-04-27
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- [54] AGRAFEUSE CHIRURGICALE MUNIE D'UNE POIGNEE MOTORISEE
- [72] HUDSON, KEVIN, US
- [72] PHAM, ANDY, US
- [72] NASH, JONATHAN R., US
- [72] GYUGYI, ZACHARY W., US
- [72] BAUTISTA, TRAVIS, US
- [72] VON STEIN, JONATHAN, US
- [72] KIRAZ, ATA, US
- [72] WEISS, ERIC J., US
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- [54] NOUVEAUX PEPTIDES INHIBITEURS D'ENZYME DE CONVERSION DE L'ANGIOTENSINE I (ECA)
- [72] TOOPCHAM, TIDARAT, TH
[71] THAI UNION GROUP PUBLIC COMPANY LIMITED, TH
[85] 2023-04-28
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- [54] SELLE D'UN TYPE AMELIORE POUR SUPPORTER DES CORPS LONGILIGNES
- [72] VARALE, ALBERTO, IT
- [71] FL.MO.TEC. S.P.A., IT
[85] 2023-04-28
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- [30] IT (102020000028943) 2020-11-30

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- [25] EN
- [54] EMBEDDED SYSTEMS IN MEDICAL MONITORING SYSTEMS
- [54] SYSTEMES INTEGRES DANS DES SYSTEMES DE SURVEILLANCE MEDICALE
- [72] HUA, XUANDONG, US
- [72] KUNICH, THEODORE J., US
- [72] COLE, JEAN-PIERRE J., US
- [72] ZHANG, NELSON Y., US
- [72] ZHANG, JUNLE, US
- [72] CHAN, DANNY, US
- [72] LENO, KURT E., US
- [72] LAM, PING-KUEN, US
- [72] HUANG, VICTOR PAISHI, US
- [72] NG, YEE-HUAN, US
- [71] ABBOTT DIABETES CARE INC., US
[85] 2023-04-28
- [86] 2021-08-31 (PCT/US2021/048521)
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- [25] EN
- [54] ELECTRICAL OUTLET COVER WITH INTEGRATED LIGHTING WITH CONNECTIVITY
- [54] COUVERCLE DE PRISE ELECTRIQUE A ECLAIRAGE INTEGRE AVEC CONNECTIVITE
- [72] O'REILLY, MICHAEL, US
- [72] WINSHIP, DONNYE, US
- [71] O'REILLY WINSHIP, LLC, US
- [85] 2023-05-10
- [86] 2021-11-09 (PCT/US2021/058632)
- [87] (WO2022/103755)
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- [54] INTUMESCENT MATERIAL AND ARTICLES MADE THEREOF
- [54]
- [72] HULTEEN, JOHN C., US
- [72] AL-RAFIA, S.M. IBRAHIM, CA
- [72] MARMOL, RODRIGO I., US
- [72] ALABI, TOHEEB B., US
- [72] DE MORAES, RAUL PACHECO, CA
- [72] NIELSEN, KENT E., CA
- [71] 3M INNOVATIVE PROPERTIES COMPANY, US
- [85] 2023-04-28
- [86] 2021-11-10 (PCT/IB2021/060405)
- [87] (3198223)

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- [25] EN
- [54] DRONE SYSTEM FOR POWERLINE INSPECTION USING RADIO FREQUENCY SCANNING TECHNIQUES
- [54] SYSTEME DE DRONE POUR INSPECTION DE LIGNE ELECTRIQUE A L'AIDE DE TECHNIQUES DE BALAYAGE DE RADIOFRÉQUENCE
- [72] WONG, KHOI LOON, AU
- [71] IND TECHNOLOGY PTY LTD, AU
- [85] 2023-05-15
- [86] 2021-11-15 (PCT/IB2021/060574)
- [87] (WO2022/101882)
- [30] US (63/114,028) 2020-11-16

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- [25] EN
- [54] TEMPORARY SUPPORT STAND FOR A VOLUMETRIC MODULAR UNIT
- [54] SOCLE DE SUPPORT TEMPORAIRE POUR UNE UNITE MODULAIRE VOLUMETRIQUE
- [72] MITCHELL, MATTHEW ROBERT, US
- [72] BRIDGER, SCOTT ROBERT, US
- [71] MODCRIBS, LLC, US
- [85] 2023-05-18
- [86] 2021-05-18 (PCT/US2021/032991)
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- [30] US (16/876,431) 2020-05-18

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- [25] EN
- [54] GEM SYSTEM, APPARATUS, AND METHOD FOR TRACKING COSMIC RAY MUONS
- [54] SYSTEME, APPAREIL ET PROCEDE GEM POUR SUIVRE DES MUONS DE RAYONS COSMIQUES
- [72] SCHOUTEN, DOUGLAS, CA
- [71] IDEON TECHNOLOGIES INC., CA
- [85] 2023-04-24
- [86] 2021-10-26 (PCT/CA2021/051509)
- [87] (WO2022/087729)
- [30] US (63/105,811) 2020-10-26

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- [25] EN
- [54] CHANNEL LISTENING METHOD AND RELATED APPARATUS
- [54] PROCEDE DE SURVEILLANCE DE CANAL ET APPAREIL ASSOCIE
- [72] LI, YUNBO, CN
- [72] GAN, MING, CN
- [72] GUO, YUCHEN, CN
- [72] LI, YIQING, CN
- [72] HUANG, GUOGANG, CN
- [71] HUAWEI TECHNOLOGIES CO., LTD., CN
- [85] 2023-04-24
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 - [25] EN
 - [54] COMPOSITIONS COMPRISING LIOPHILIC COMPOUNDS AND ONE OR MORE (BIO)-ALKANEDIOLS
 - [54] COMPOSITIONS COMPRENANT DES COMPOSES LIOPHILES ET UN OU PLUSIEURS (BIO)-ALCANEDIOLS
 - [72] BUGDAHN, NIKOLAS, DE
 - [72] BRUNCKE, SEBASTIAN, DE
 - [72] SCHADE, VANESSA, DE
 - [72] LANGE, SABINE, DE
 - [71] SYMRISE AG, DE
 - [85] 2023-04-24
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 - [87] (WO2022/122885)
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- [25] EN
- [54] COMPOSITIONS COMPRISING NATURAL POLYMERS AND ONE OR MORE (BIO)-ALKANEDIOLS
- [54] COMPOSITIONS COMPRENANT DES POLYMERES NATURELS ET UN OU PLUSIEURS (BIO)-ALCANEDIOLS
- [72] KOCH, CHRISTIN, DE
- [72] LANGE, SABINE, DE
- [72] KRAELING, RICARDA, DE
- [72] MASCHER, MAIK, DE
- [72] BUGDAHN, NIKOLAS, DE
- [71] SYMRISE AG, DE
- [85] 2023-04-24
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 - [25] EN
 - [54] COMPOSITIONS COMPRISING ONE OR MORE (BIO)-ALKANEDIOLS WITH ANTIOXIDANTS
 - [54] COMPOSITIONS COMPRENANT UN OU PLUSIEURS (BIO)-ALCANEDIOLS AVEC DES ANTIOXYDANTS
 - [72] BUGDAHN, NIKOLAS, DE
 - [72] SIEGEL, SVEN, DE
 - [72] LANGE, SABINE, DE
 - [72] STUHLMANN, DOMINIK, DE
 - [71] SYMRISE AG, DE
 - [85] 2023-04-24
 - [86] 2021-12-09 (PCT/EP2021/084953)
 - [87] (WO2022/122896)
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- [25] EN
- [54] COMPOSITIONS COMPRISING (BIO)-ALKANEDIOLS WITH ANTIMICROBIALS FOR PRODUCT PROTECTION
- [54] COMPOSITIONS COMPRENANT DES (BIO)-ALCANEDIOLS A ANTIMICROBIENS POUR LA PROTECTION DE PRODUITS
- [72] LANGE, SABINE, DE
- [72] BUGDAHN, NIKOLAS, DE
- [72] KOCH, CHRISTIN, DE
- [71] SYMRISE AG, DE
- [85] 2023-04-24
- [86] 2021-12-09 (PCT/EP2021/085014)
- [87] (WO2022/122930)
- [30] EP (PCT/EP2020/085171) 2020-12-09

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 - [25] EN
 - [54] COMPOSITIONS COMPRISING (BIO)-ALKANEDIOLS
 - [54] COMPOSITIONS COMPRENANT DES (BIO)-ALCANEDIOLS
 - [72] BUGDAHN, NIKOLAS, DE
 - [72] LANGE, SABINE, DE
 - [72] KOCH, CHRISTIN, DE
 - [72] STRUEVER, FRANK, DE
 - [72] DROEGE, DIETMAR, DE
 - [71] SYMRISE AG, DE
 - [85] 2023-04-24
 - [86] 2021-12-09 (PCT/EP2021/085033)
 - [87] (WO2022/122943)
 - [30] EP (PCT/EP2020/085174) 2020-12-09
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- [25] EN
- [54] ESCHERICHIA COLI COMPOSITIONS AND METHODS THEREOF
- [54] COMPOSITIONS D'ESCHERICHIA COLI ET PROCEDES ASSOCIES
- [72] ANDERSON, ANNALIESA SYBIL, US
- [72] CHORRO, LAURENT OLIVER, US
- [72] DONALD, ROBERT GEORGE KONRAD, US
- [72] LYPOWY, JACQUELINE MARIE, US
- [72] PAN, ROSALIND, US
- [71] PFIZER INC., US
- [85] 2023-04-24
- [86] 2021-10-25 (PCT/IB2021/059820)
- [87] (WO2022/090893)
- [30] US (63/106,077) 2020-10-27
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[25] EN
[54] LIGNIN-BASED BONDING RESIN
[54] RESINE DE LIAISON A BASE DE LIGNINE
[72] ZAFAR, ASHAR, SE
[72] FALDT, SARA, SE
[72] PHAM, HUYNH TRAM ANH, SE
[71] STORA ENSO OYJ, FI
[85] 2023-04-24
[86] 2021-11-02 (PCT/IB2021/060112)
[87] (WO2022/097014)
[30] SE (2051281-0) 2020-11-04

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[25] EN
[54] ANNEALING METHOD
[54] PROCEDE DE RECUIT
[72] BERTRAND, FLORENCE, FR
[72] HUIN, DIDIER, FR
[72] SAINT-RAYMOND, HUBERT, FR
[71] ARCELORMITTAL, LU
[85] 2023-04-24
[86] 2021-12-08 (PCT/IB2021/061436)
[87] (WO2022/130124)
[30] IB (PCT/IB2020/061960) 2020-12-15

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[25] EN
[54] GAS TRANSFER TYPE ULTRASONIC GUSHING FINE POWDER QUANTITAVE FEEDING SYSTEM AND GAS TRANSFER TYPE ULTRASONIC GUSHING FINE POWDER QUANTITATIVE FEEDING METHOD
[54] SYSTEME ET PROCEDE A TRANSFERT PAR GAZ POUR FOURNIR UN VOLUME CONSTANT DE POUDRE FINE PAR ECOULEMENT ULTRASONIQUE
[72] NOSE, ATSUSHI, JP
[71] KINBOSHI INC., JP
[85] 2023-04-24
[86] 2022-06-20 (PCT/JP2022/024608)
[87] (WO2023/282044)
[30] JP (2021-112107) 2021-07-06

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[25] EN
[54] CATHODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERY, PREPARATION METHOD THEREFOR, AND LITHIUM SECONDARY BATTERY COMPRISING SAME
[54] MATERIAU ACTIF DE CATHODE POUR BATTERIE SECONDAIRE AU LITHIUM, SON PROCEDE DE PREPARATION ET BATTERIE SECONDAIRE AU LITHIUM LE COMPRENANT
[72] AHN, KIYONG, KR
[72] JUN, DOWOOK, KR
[72] KONG, YOUNGSUN, KR
[72] KWON, SEONYOUNG, KR
[72] KIM, MINKYU, KR
[72] KIM, MIN JU, KR
[72] LEE, DOOKYUN, KR
[72] HONG, KIJOO, KR
[71] SAMSUNG SDI CO., LTD., KR
[85] 2023-04-24
[86] 2021-07-12 (PCT/KR2021/008864)
[87] (WO2022/092488)
[30] KR (10-2020-0142247) 2020-10-29

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[51] Int.Cl. C07K 14/705 (2006.01) C12N 5/00 (2006.01) C12N 15/10 (2006.01)
[25] EN
[54] CELLS WITH CD70 KNOCKOUT AND USES FOR IMMUNOTHERAPY
[54] CELLULES A INACTIVATION DE CD70 ET LEURS UTILISATIONS EN IMMUNOTHERAPIE
[72] SADELAIN, MICHEL, US
[72] MANSILLA-SCOTO, JORGE, US
[72] HAUBNER, SASCHA P., US
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
[71] SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, US
[71] MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES, US
[85] 2023-04-25
[86] 2021-10-26 (PCT/US2021/056656)
[87] (WO2022/093825)
[30] US (63/105,603) 2020-10-26

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[25] EN
[54] COMPOSITIONS AND METHODS FOR TREATING HEMATOPOIETIC MALIGNANCY
[54] COMPOSITIONS ET METHODES DE TRAITEMENT DE LA MALIGNITE HEMATOPOIETIQUE
[72] SLAPAK, CHRISTOPHER, US
[72] RAFFEL, GLEN, US
[72] LIN, MICHELLE, US
[72] LYDEARD, JOHN, US
[72] CHAKRABORTY, TIRTHA, US
[71] VOR BIOPHARMA INC., US
[85] 2023-04-25
[86] 2021-10-27 (PCT/US2021/056885)
[87] (WO2022/093983)
[30] US (63/106,136) 2020-10-27
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[13] A1

[51] Int.Cl. A62C 3/16 (2006.01)

[25] EN

[54] THERMAL PROTECTION OF LITHIUM ION BATTERIES

[54] PROTECTION THERMIQUE DE BATTERIES AU LITHIUM-ION

[72] ROBIN, MARK L., US

[71] THE CHEMOURS COMPANY FC, LLC, US

[85] 2023-04-25

[86] 2021-10-28 (PCT/US2021/056948)

[87] (WO2022/094013)

[30] US (63/107,052) 2020-10-29

[21] **3,199,628**

[13] A1

[51] Int.Cl. A62C 3/16 (2006.01)

[25] EN

[54] THERMAL PROTECTION OF LITHIUM ION BATTERIES

[54] PROTECTION THERMIQUE DE BATTERIES LITHIUM-ION

[72] ROBIN, MARK L., US

[71] THE CHEMOURS COMPANY FC, LLC, US

[85] 2023-04-25

[86] 2021-10-28 (PCT/US2021/056951)

[87] (WO2022/197332)

[30] US (63/163,390) 2021-03-19

[21] **3,199,670**

[13] A1

[51] Int.Cl. G01K 1/024 (2021.01) G01N 33/02 (2006.01) G06K 19/07 (2006.01) G08B 21/02 (2006.01)

[25] EN

[54] FRESHNESS SENSOR DEVICES AND RELATED METHODS

[54] DISPOSITIFS CAPTEURS DE FRAICHEUR ET PROCEDES ASSOCIES

[72] RIGBY, ADAM, US

[72] DANIELS, CHRIS, US

[72] CARTER, ADDISON, US

[72] BLOVITS, SETH, US

[72] RAHM, CONNOR, US

[72] ALVAREZ, NOE, US

[72] NORTH, OLIVIA, US

[72] PAYNE, BRENDEN, US

[72] JORDAN, MICHAEL, US

[72] GARCIA, FERNANDO ELI, US

[71] THE KROGER CO., US

[85] 2023-04-25

[86] 2021-10-28 (PCT/US2021/057083)

[87] (WO2022/094105)

[30] US (63/106,707) 2020-10-28

[21] **3,199,672**

[13] A1

[51] Int.Cl. F17C 1/12 (2006.01) F17C 1/02 (2006.01)

[25] EN

[54] SYSTEMS AND METHODS FOR STORING LIQUID HYDROGEN

[54] SYSTEMES ET PROCEDES DE STOCKAGE D'HYDROGENE LIQUIDE

[72] CLARKE, JOHN-PAUL, US

[72] GLINER, LORIS, US

[72] HINCHEN, JOHN T., US

[72] KALOW, JONATHAN, US

[72] KOUKINA, ELENA, US

[71] UNIVERSAL HYDROGEN CO., US

[85] 2023-04-25

[86] 2021-10-29 (PCT/US2021/057385)

[87] (WO2022/094300)

[30] US (63/108,048) 2020-10-30

[21] **3,199,675**

[13] A1

[51] Int.Cl. A61L 2/24 (2006.01) A61L 2/06 (2006.01) A61L 2/07 (2006.01)

[25] EN

[54] CONTINUOUS ELEMENT DECONTAMINATION AND STERILIZATION SYSTEM

[54] SYSTEME DE DECONTAMINATION ET DE STERILISATION A ELEMENTS CONTINUS

[72] MAZURSKY, HERNAN, US

[72] MAZURSKY, ALEXIS, US

[72] MAZURSKY, LUIS ADOLFO, US

[71] MAZURSKY, HERNAN, US

[71] MAZURSKY, ALEXIS, US

[71] MAZURSKY, LUIS ADOLFO, US

[85] 2023-04-25

[86] 2021-10-29 (PCT/US2021/057463)

[87] (WO2022/094352)

[30] US (63/107,366) 2020-10-29

[21] **3,199,678**

[13] A1

[51] Int.Cl. C12N 15/113 (2010.01) A61K 31/713 (2006.01)

[25] EN

[54] METHODS FOR TREATING ATHEROSCLEROTIC CARDIOVASCULAR DISEASE WITH LPA-TARGETED RNAI CONSTRUCTS

[54] PROCEDE DE TRAITEMENT DE MALADIE CARDIOVASCULAIRE ATHEROSCLEROSIQUE AVEC DES CONSTRUCTIONS D'ARNI CIBLANT LE GENE LPA

[72] SOHN, WINNIE, US

[72] JONES, ZACHARY, US

[72] KASSAHUN, HELINA, US

[71] AMGEN INC., US

[85] 2023-04-25

[86] 2021-11-04 (PCT/US2021/058012)

[87] (WO2022/098841)

[30] US (63/110,309) 2020-11-05

[21] **3,199,679**

[13] A1

[51] Int.Cl. B05D 1/00 (2006.01) B29C 43/02 (2006.01) B29C 43/52 (2006.01)

[25] EN

[54] SPRAY-DRYING OF SOLID EPOXY OR PHENOXY RESINS

[54] SECHAGE PAR PULVERISATION DE RESINES EPOXY OU PHENOXY SOLIDES

[72] LYLES, ZACH, US

[72] RUSAK, JAMES, US

[72] SCHREIBER, PETER, US

[72] TOMASCH, SETH, US

[71] HUNTSMAN ADVANCED MATERIALS AMERICAS LLC, US

[85] 2023-04-25

[86] 2021-11-05 (PCT/US2021/058147)

[87] (WO2022/098927)

[30] US (63/111,325) 2020-11-09

[21] **3,199,677**

[13] A1

[51] Int.Cl. H01M 50/204 (2021.01) H01M 50/298 (2021.01) H01M 10/42 (2006.01)

[25] EN

[54] MODULAR BATTERY

[54] BATTERIE MODULAIRE

[72] HERTE, DUSTIN JAY, US

[71] BLUE LINE BATTERY, INC., US

[85] 2023-04-25

[86] 2021-11-03 (PCT/US2021/057889)

[87] (WO2022/098752)

[30] US (63/198,674) 2020-11-03

[30] US (17/517,550) 2021-11-02

PCT Applications Entering the National Phase

[21] 3,199,682

[13] A1

[51] Int.Cl. A61F 2/24 (2006.01)

[25] EN

[54] DOCKING STATION FOR A TRANSCATHETER HEART VALVE

[54] STATION D'ACCUEIL POUR UNE VALVULE CARDIAQUE A TRANSCATHETER

[72] ZAMANI, SHAHRAM, US

[72] RODRIGUEZ, ALISON LOUISE, US

[72] ROMERO, ANTHONY MICHAEL, US

[71] EDWARDS LIFESCIENCES CORPORATION, US

[85] 2023-04-25

[86] 2021-11-09 (PCT/US2021/058588)

[87] (WO2022/103734)

[30] US (63/111,879) 2020-11-10

[21] 3,199,694

[13] A1

[51] Int.Cl. A61F 2/24 (2006.01)

[25] EN

[54] PROSTHETIC HEART VALVES WITH HERMETIC LAYERS OR VALVULAR STRUCTURES TO REDUCE THROMBOSIS RISK

[54] VALVULES CARDIAQUES PROTHETIQUES DOTEES DE COUCHES HERMETIQUES OU DE STRUCTURES VALVULAIRES POUR REDUIRE LE RISQUE DE THROMBOSE

[72] SCHWARTZ, EVAN T., US

[72] PATEL, DARSHIN S., US

[72] CHAU, JOCELYN, US

[72] BETTENCOURT, HANNAH REED, US

[71] EDWARDS LIFESCIENCES CORPORATION, US

[85] 2023-04-25

[86] 2021-11-09 (PCT/US2021/058608)

[87] (WO2022/103747)

[30] US (63/112,080) 2020-11-10

[30] US (63/240,766) 2021-09-03

[21] 3,199,695

[13] A1

[51] Int.Cl. A61F 2/24 (2006.01)

[25] EN

[54] TRANSCATHETER DELIVERY APPARATUS

[54] APPAREIL D'ADMINISTRATION PAR TRANSCATHETER

[72] DESROSIERS, JOHN J., US

[71] EDWARDS LIFESCIENCES CORPORATION, US

[85] 2023-04-25

[86] 2021-11-10 (PCT/US2021/058723)

[87] (WO2022/103794)

[30] US (63/112,326) 2020-11-11

[21] 3,199,696

[13] A1

[51] Int.Cl. A01M 21/04 (2006.01) B05C 1/06 (2006.01) B05C 1/08 (2006.01) B05C 17/02 (2006.01)

[25] EN

[54] FLUID APPLICATION DEVICE

[54] DISPOSITIF D'APPLICATION DE FLUIDE

[72] FULLER, DARRELL LEE, US

[71] FULLER, DARRELL LEE, US

[85] 2023-04-25

[86] 2021-11-01 (PCT/US2021/072160)

[87] (WO2022/094627)

[30] US (63/108,356) 2020-11-01

[21] 3,199,743

[13] A1

[51] Int.Cl. B01D 39/08 (2006.01) B01D 39/14 (2006.01) B01D 39/20 (2006.01) B01D 46/00 (2022.01)

[25] EN

[54] AIR FILTER WITH PATHOGEN MONITORING AND INACTIVATION

[54] FILTRE A AIR AVEC SURVEILLANCE ET INACTIVATION DE PATHOGENES

[72] KENNEDY, THOMAS J., III, US

[72] DACEY, RALPH G., JR., US

[71] INDUSTRIAL POLYMERS AND CHEMICALS, INC., US

[85] 2023-04-26

[86] 2021-10-21 (PCT/US2021/056002)

[87] (WO2022/093620)

[30] US (63/107,388) 2020-10-29

[30] US (63/252,514) 2021-10-05

[21] 3,199,744

[13] A1

[51] Int.Cl. H04L 65/1089 (2022.01) H04L 65/4038 (2022.01)

[25] EN

[54] METHODS AND SYSTEMS FOR AUTOMATIC QUEUING IN CONFERENCE CALLS

[54] PROCEDES ET SYSTEMES DE FILES D'ATTENTE AUTOMATIQUES LORS DE CONFERENCES TELEPHONIQUES

[72] PHAM, VINCENT, US

[72] GOODSITT, JEREMY, US

[72] KEY, KATE, US

[72] TRUONG, ANH, US

[72] WALTERS, AUSTIN, US

[71] CAPITAL ONE SERVICES, LLC, US

[85] 2023-04-26

[86] 2021-10-21 (PCT/US2021/056023)

[87] (WO2022/093623)

[30] US (17/083,241) 2020-10-28

[21] 3,199,745

[13] A1

[51] Int.Cl. G01N 21/63 (2006.01) G01N 21/64 (2006.01)

[25] EN

[54] CALIBRATION OF SINGLE-MOLECULE DETECTION SYSTEM

[54] ETALONNAGE DE SYSTEME DE DETECTION DE MOLECULE UNIQUE

[72] CHRISTIAN, THOMAS, US

[72] PRESTON, KYLE, US

[72] REED, BRIAN, US

[72] STEWMAN, SHANNON, US

[71] QUANTUM-SI INCORPORATED, US

[85] 2023-04-26

[86] 2021-10-26 (PCT/US2021/056705)

[87] (WO2022/093859)

[30] US (63/106,313) 2020-10-27

[30] US (63/152,005) 2021-02-22

Demandes PCT entrant en phase nationale

<p>[21] 3,199,746 [13] A1</p> <p>[51] Int.Cl. B01L 3/00 (2006.01) G01N 15/14 (2006.01) G01N 21/64 (2006.01)</p> <p>[25] EN</p> <p>[54] SINGLE MOLECULE DETECTION SYSTEM USING PHOTOBLEACHING INFORMATION</p> <p>[54] SYSTEME DE DETECTION SIMPLE MOLECULE UTILISANT DES INFORMATIONS DE PHOTOBLANCHIMENT</p> <p>[72] PRESTON, KYLE, US</p> <p>[72] REED, BRIAN, US</p> <p>[72] SCHMID, GERARD, US</p> <p>[72] SHI, XINGHUA, US</p> <p>[72] HUANG, HAIDONG, US</p> <p>[71] QUANTUM-SI INCORPORATED, US</p> <p>[85] 2023-04-26</p> <p>[86] 2021-10-26 (PCT/US2021/056707)</p> <p>[87] (WO2022/093861)</p> <p>[30] US (63/106,325) 2020-10-27</p> <p>[30] US (63/165,798) 2021-03-25</p> <p>[30] US (63/252,906) 2021-10-06</p>

<p>[21] 3,199,747 [13] A1</p> <p>[51] Int.Cl. A61F 2/24 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS, DEVICES AND METHODS FOR FOLDED UNIBODY HEART VALVE STENTS</p> <p>[54] SYSTEMES, DISPOSITIFS ET PROCEDES POUR ENDOPROTHESES DE VALVULE CARDIAQUE MONOCORPS PLIEES</p> <p>[72] WALLACE, DANIEL T., US</p> <p>[72] BOYETTE, JEREMY J., US</p> <p>[72] GREGG, PETER W., US</p> <p>[72] NOE, SPENCER C., US</p> <p>[72] HAYNES, EVELYN N., US</p> <p>[71] CAPSTAN MEDICAL INC., US</p> <p>[85] 2023-04-26</p> <p>[86] 2021-10-27 (PCT/US2021/056915)</p> <p>[87] (WO2022/094001)</p> <p>[30] US (17/083,266) 2020-10-28</p> <p>[30] US (63/106,871) 2020-10-28</p>

<p>[21] 3,199,748 [13] A1</p> <p>[51] Int.Cl. H02K 9/19 (2006.01) H02K 1/20 (2006.01) H02K 1/32 (2006.01) H02K 5/15 (2006.01) H02K 5/20 (2006.01) H02K 9/00 (2006.01) H02K 9/16 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR THERMAL MANAGEMENT OF ELECTRONIC MACHINES USING COOLANT CANS</p> <p>[54] SYSTEME ET PROCEDE DE GESTION THERMIQUE DE MACHINES ELECTRONIQUES A L'AIDE DE BIDONS DE LIQUIDE DE REFROIDISSEMENT</p> <p>[72] PENNINGTON, WALTER WESLEY, III, US</p> <p>[72] SWINT, ETHAN BAGGET, US</p> <p>[72] STEVENSON, GREGORY GORDON, US</p> <p>[72] OWEN, MICHAEL PARKER, US</p> <p>[72] REEVE, MATTHEW JOSEPH, US</p> <p>[72] RUBIN, MATTHEW J, US</p> <p>[71] TAU MOTORS, INC., US</p> <p>[85] 2023-04-26</p> <p>[86] 2021-10-27 (PCT/US2021/056917)</p> <p>[87] (WO2022/094003)</p> <p>[30] US (63/106,096) 2020-10-27</p>

<p>[21] 3,199,749 [13] A1</p> <p>[51] Int.Cl. B05B 15/525 (2018.01) B05B 15/528 (2018.01) A01M 7/00 (2006.01) B05B 1/12 (2006.01) B05B 1/32 (2006.01) B05B 12/12 (2006.01)</p> <p>[25] EN</p> <p>[54] DYNAMICALLY CONTROLLABLE SPRAY NOZZLE, CONTROL SYSTEM, AND METHOD</p> <p>[54] BUSE DE PULVERISATION A COMMANDE DYNAMIQUE, SYSTEME DE COMMANDE ET PROCEDE</p> <p>[72] GILES, DURHAM KENIMER, US</p> <p>[72] HOLTZ, ANDREW J., US</p> <p>[71] OGIVE TECHNOLOGY, INC., US</p> <p>[85] 2023-04-26</p> <p>[86] 2021-10-28 (PCT/US2021/057131)</p> <p>[87] (WO2022/094138)</p> <p>[30] US (63/107,043) 2020-10-29</p>

<p>[21] 3,199,750 [13] A1</p> <p>[51] Int.Cl. C12N 15/86 (2006.01) A61K 48/00 (2006.01) C07K 14/50 (2006.01)</p> <p>[25] EN</p> <p>[54] CHICKEN ANEMIA VIRUS (CAV)-BASED VECTORS</p> <p>[54] VECTEURS A BASE DE VIRUS DE L'ANEMIE INFECTIEUSE DU POULET</p> <p>[72] DELAGRAVE, SIMON, US</p> <p>[72] DIAZ, FERNANDO MARTIN, US</p> <p>[72] PITTS, JARED DAVID, US</p> <p>[72] LEBO, KEVIN JAMES, US</p> <p>[72] TIMPONA, JOSEPH LOUIS, US</p> <p>[72] BOISVERT, NICOLE MARIE, US</p> <p>[71] FLAGSHIP PIONEERING INNOVATIONS V, INC., US</p> <p>[85] 2023-04-26</p> <p>[86] 2021-10-29 (PCT/US2021/057292)</p> <p>[87] (WO2022/094238)</p> <p>[30] US (63/107,149) 2020-10-29</p> <p>[30] US (63/147,087) 2021-02-08</p>

<p>[21] 3,199,751 [13] A1</p> <p>[51] Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) C12N 9/22 (2006.01) C12N 15/10 (2006.01)</p> <p>[25] EN</p> <p>[54] COMPOSITIONS COMPRISING AN RNA GUIDE TARGETING BCL11A AND USES THEREOF</p> <p>[54] COMPOSITIONS COMPRENANT UN ARN GUIDE CIBLANT BCL11A ET LEURS UTILISATIONS</p> <p>[72] HASWELL, JEFFREY RAYMOND, US</p> <p>[72] JAKIMO, NOAH MICHAEL, US</p> <p>[72] WESSELLS, QUINTON NORMAN, US</p> <p>[72] DITOMMASO, TIA MARIE, US</p> <p>[71] ARBOR BIOTECHNOLOGIES, INC., US</p> <p>[85] 2023-04-26</p> <p>[86] 2021-10-29 (PCT/US2021/057426)</p> <p>[87] (WO2022/094323)</p> <p>[30] US (63/108,110) 2020-10-30</p> <p>[30] US (63/252,832) 2021-10-06</p>

PCT Applications Entering the National Phase

[21] 3,199,752

[13] A1

[51] Int.Cl. C12N 15/86 (2006.01)

[25] EN

[54] CHARACTERIZATION OF IMPURITIES IN ADENO-ASSOCIATED VIRUS (AAV) SAMPLES AND FORMULATION COMPOSITIONS TO STABILIZE AAV

[54] CARACTERISATION D'IMPURETÉS DANS DES ECHANTILLONS DE VIRUS ADENO-ASSOCIES (VAA) ET COMPOSITIONS DE FORMULATION POUR STABILISER UN VAA

[72] JIANG, BOWEN, US

[72] LIU, DINGJIANG, US

[72] TZUL, FRANCO, US

[71] REGENERON PHARMACEUTICALS, INC., US

[85] 2023-04-26

[86] 2021-11-01 (PCT/US2021/057587)

[87] (WO2022/094411)

[30] US (63/108,480) 2020-11-02

[21] 3,199,753

[13] A1

[51] Int.Cl. A61K 31/496 (2006.01) A61P 35/02 (2006.01) A61P 43/00 (2006.01)

[25] EN

[54] BIOMARKERS FOR MYELODYSPLASTIC SYNDROME (MDS) AND METHODS OF USING THE SAME

[54] BIOMARQUEURS POUR LE SYNDROME MYELODYSPLASIQUE (MDS) ET LEURS METHODES D'UTILISATION

[72] GUALBERTO, ANTONIO, US

[72] SCHOLZ, CATHERINE, US

[72] XIAO, JIANJUN ALAN, US

[71] EISAI R&D MANAGEMENT CO., LTD., JP

[85] 2023-04-26

[86] 2021-11-03 (PCT/US2021/057839)

[87] (WO2022/098712)

[30] US (63/109,730) 2020-11-04

[30] US (63/260,837) 2021-09-01

[21] 3,199,754

[13] A1

[51] Int.Cl. A61M 1/28 (2006.01)

[25] EN

[54] INTRAPERITONEAL PRESSURE ("IPP") MEASUREMENT APPARATUSES AND SYSTEMS

[54] PROCEDES, APPAREILS ET SYSTEMES DE MESURE DE LA PRESSION INTRAPERITONEALE ("PIP")

[72] BASATI, SUKHRAAJ, US

[72] DEL CASTILLO, JORGE AUGUSTO, US

[72] YANAGI, JOANNA RITA, US

[72] GRIVAS, CHRIS JOHN, US

[72] NORMAN, JOHN STERLING, US

[71] BAXTER INTERNATIONAL INC., US

[71] BAXTER HEALTHCARE S.A., CH

[85] 2023-04-26

[86] 2021-11-03 (PCT/US2021/057841)

[87] (WO2022/098714)

[30] US (63/109,635) 2020-11-04

[21] 3,199,755

[13] A1

[51] Int.Cl. A61F 9/00 (2006.01) A61K 9/00 (2006.01)

[25] EN

[54] INTRAOCULAR IMPLANT FOR DRUG DELIVERY

[54] IMPLANT INTRAOCULAIRE POUR ADMINISTRATION DE MEDICAMENT

[72] SHEPARD, THOMAS A., US

[72] PEGORARO, TYLER, US

[72] WILLIAMS, STUART, US

[72] DAS, SANJIB KUMAR, US

[72] TREVINO, LEO ANTHONY, US

[72] LI, CHENG, US

[71] AERIE PHARMACEUTICALS, INC., US

[85] 2023-04-26

[86] 2021-11-04 (PCT/US2021/057992)

[87] (WO2022/098825)

[30] US (63/109,615) 2020-11-04

[30] US (63/241,395) 2021-09-07

[30] US (17/518,281) 2021-11-03

[21] 3,199,756

[13] A1

[51] Int.Cl. A61K 48/00 (2006.01) A61P 25/00 (2006.01) C07K 14/01 (2006.01) C12N 15/86 (2006.01)

[25] EN

[54] ADENO-ASSOCIATED VIRUS VECTORS

[54] VECTEURS DE VIRUS ADENO-ASSOCIES

[72] HE, ZHIGANG, US

[72] YAO, XUE, US

[72] ZHANG, ZICONG, US

[72] BROMMER, BENEDIKT, US

[71] THE CHILDREN'S MEDICAL CENTER CORPORATION, US

[85] 2023-04-26

[86] 2021-11-04 (PCT/US2021/058088)

[87] (WO2022/098893)

[30] US (63/110,631) 2020-11-06

[21] 3,199,757

[13] A1

[51] Int.Cl. A61K 31/713 (2006.01) C12N 15/113 (2010.01) A61K 47/54 (2017.01) A61K 47/56 (2017.01) A61K 47/60 (2017.01) A61K 47/64 (2017.01)

[25] EN

[54] TARGETED CONJUGATES COMPRISING MODIFIED SIRNA

[54] CONJUGUES CIBLES CONPRENANT UN ARNSI MODIFIE

[72] DALY, OWEN M., US

[72] LEE, AMY C. H., US

[72] SOFIA, MICHAEL J., US

[72] THI, EMILY P., US

[71] ARBUTUS BIOPHARMA CORPORATION, US

[85] 2023-04-26

[86] 2021-11-05 (PCT/US2021/058232)

[87] (WO2022/098990)

[30] US (63/110,837) 2020-11-06

Demandes PCT entrant en phase nationale

[21] **3,199,758**

[13] A1

[51] Int.Cl. A61F 2/24 (2006.01)

[25] EN

[54] PROSTHETIC HEART VALVES
WITH SEALING FRAMES TO
REDUCE PARAVALVULAR
LEAKAGE

[54] VALVES CARDIAQUES
PROTHETIQUES DOTEES DE
STRUCTURES D'ETANCHEITE
POUR REDUIRE LES FUITES
PARAVALVULAIRES

[72] NGUYEN, TRAM NGOC, US

[72] BETTENCOURT, HANNAH REED,
US

[72] SCHWARTZ, EVAN T., US

[71] EDWARDS LIFESCIENCES
CORPORATION, US

[85] 2023-04-26

[86] 2021-11-10 (PCT/US2021/058790)

[87] (WO2022/103845)

[30] US (63/112,567) 2020-11-11

[21] **3,199,759**

[13] A1

[51] Int.Cl. G06V 10/40 (2022.01)

[25] EN

[54] DAMAGE DETECTION PORTAL

[54] PORTAIL DE DETECTION DE
DOMMAGES

[72] HOLZER, STEFAN JOHANNES
JOSEF, US

[72] MUNARO, MATTEO, US

[72] HANCHAR, PAVEL, US

[72] LIAUDANSKAS, AIDAS, US

[72] CHANDE, KRUNAL KETAN, US

[72] HWANG, WOOK YEON, US

[72] MCCONNELL, BLAKE, US

[72] NORDIN, JOHAN, US

[72] ORTIZ-CAYON, RODRIGO, US

[72] SPANOS, IOANNIS, US

[72] STETCO, NICK, US

[72] VLASKI, MILOS, US

[72] WAWRO, MARTIN MARKUS
HUBERT, US

[72] AJANDI, ENDRE, US

[72] ARANO, SANTI, US

[71] FYUSION, INC., US

[85] 2023-04-26

[86] 2021-11-12 (PCT/US2021/059232)

[87] (WO2022/108847)

[30] US (63/114,975) 2020-11-17

[21] **3,199,760**

[13] A1

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[25] EN

[54] TREATMENT OF PUBLIC
SPEAKING ANXIETY WITH AN
ALPHA-7 NICOTINIC
ACETYLCHOLINE RECEPTOR
AGONIST

[54] TRAITEMENT DE LA PEUR DE
PARLER EN PUBLIC A L'AIDE
D'UN AGONISTE DU RECEPTEUR
NICOTINIQUE ALPHA -7 A
L'ACETYLCHOLINE

[72] POLYMEROPoulos, MIHAEL, US

[72] HE, YUNSHENG, US

[72] POLYMEROPoulos, CHRISTOS,
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[71] VANDA PHARMACEUTICALS INC.,
US

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[86] 2021-11-24 (PCT/US2021/060720)

[87] (WO2022/115526)

[30] US (63/118,121) 2020-11-25

[30] US (63/118,132) 2020-11-25

[30] US (63/158,449) 2021-03-09

[21] **3,199,762**

[13] A1

[51] Int.Cl. H02J 9/06 (2006.01)

[25] EN

[54] AUTOMATIC ISOLATION
SWITCH FOR A MICROGRID

[54] COMMUTATEUR D'ISOLEMENT
AUTOMATIQUE POUR
MINIRESEAU

[72] HASTINGS, JONATHAN, US

[72] BONACHEA, VICTOR E., US

[72] SCHNEIDER, MATTHEW, US

[71] ASCO POWER TECHNOLOGIES,
L.P., US

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[86] 2022-07-15 (PCT/US2022/037238)

[87] (WO2023/288036)

[30] US (63/222,461) 2021-07-16

[30] US (17/865,013) 2022-07-14

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[51] Int.Cl. G06T 3/40 (2006.01) G06T
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IMAGING

[54] IMAGERIE DE TRAIN ROULANT
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[72] HOLZER, STEFAN JOHANNES
JOSEF, US

[72] CHANDE, KRUNAL KETAN, US

[72] MUNARO, MATTEO, US

[72] HANCHAR, PAVEL, US

[72] LIAUDANSKAS, AIDAS, US

[72] HWANG, WOOK YEON, US

[72] MCCONNELL, BLAKE, US

[72] NORDIN, JOHAN, US

[72] VLASKI, MILOS, US

[72] WAWRO, MARTIN MARKUS
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[72] STETCO, NICK, US

[72] SAELZLE, MARTIN, US

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[30] US (17/190,268) 2021-03-02

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[51] Int.Cl. A61K 35/17 (2015.01) A61P
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[25] EN

[54] TARGETING OF SRC-3 IN
IMMUNE CELLS AS AN
IMMUNOMODULATORY
THERAPEUTIC FOR THE
TREATMENT OF CANCER

[54] CIBLAGE DE SRC-3 DANS DES

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COMME AGENT

THERAPEUTIQUE

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[72] O'MALLEY, BERT W., US

[72] HAN, SANG JUN, US

[72] LONARD, DAVID M., US

[72] NIKOLAI, BRYAN, US

[72] JAIN, PRASHI, US

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[72] DACSO, CLIFFORD, US

[71] BAYLOR COLLEGE OF MEDICINE,
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[87] (WO2022/094501)

[30] US (63/106,770) 2020-10-28

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[25] EN
[54] DOWNHOLE TOOL ACTUATOR WITH VISCOUS FLUID CLEARANCE PATHS
[54] ACTIONNEUR D'OUTIL DE FOND DE TROU AYANT DES TRAJETS DE DEGAGEMENT DE FLUIDE VISQUEUX
[72] DUSTERHOFT, ROSS GLEN, US
[72] PICKLE, BRAD RICHARD, US
[72] COLLINS, LEO GUADALUPE, US
[72] BECK, ADAM EVAN, US
[72] APIECIONEK, MATTHEW LAWRENCE, US
[72] MEADERS, MICHAEL WADE, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[30] US (17/216,066) 2021-03-29

[21] 3,199,765
[13] A1

[51] Int.Cl. A61K 9/00 (2006.01) A61K 9/02 (2006.01) A61K 9/06 (2006.01) A61K 35/00 (2006.01) A61K 47/02 (2006.01) A61K 47/12 (2006.01)
[25] EN
[54] A GEL AND A SUPPOSITORY AND METHODS TO PROVIDE THE GEL AND SUPPOSITORY
[54] GEL ET SUPPOSITOIRE ET PROCEDES POUR FOURNIR LE GEL ET LE SUPPOSITOIRE
[72] GORDON, SPENCER, US
[71] UQORA, INC., US
[85] 2023-04-27
[86] 2021-09-20 (PCT/US2021/051130)
[87] (WO2022/093429)
[30] US (16/949,376) 2020-10-27

[21] 3,199,766
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[51] Int.Cl. A61K 31/4985 (2006.01) A61K 31/505 (2006.01) A61P 9/00 (2006.01) C07D 487/02 (2006.01) C07D 487/04 (2006.01)
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[54] INHIBITEURS DE PDE9 POUR LE TRAITEMENT DE L'INSUFFISANCE CARDIAQUE
[72] BALLAL, RAHUL DILIP, US
[72] MACIEL, THIAGO TROVATI, US
[72] GUPTA, DEEPAK, US
[72] WANG, THOMAS, US
[71] CARDURION PHARMACEUTICALS, INC., US
[71] VANDERBILT UNIVERSITY, US
[85] 2023-04-27
[86] 2021-10-26 (PCT/US2021/056696)
[87] (WO2022/093852)
[30] US (63/106,301) 2020-10-27

[21] 3,199,768
[13] A1

[51] Int.Cl. G09B 9/30 (2006.01) G03B 21/625 (2014.01) G02B 5/02 (2006.01) G02B 27/18 (2006.01)
[25] EN
[54] SYSTEM AND METHOD OF ACTIVELY REDUCING AN APPEARANCE OF A SEAM IN A MIRROR ARRAY
[54] SYSTEME ET PROCEDE DE REDUCTION ACTIVE DE L'APPARENCE D'UNE LIGNE DE JONCTION DANS UN ENSEMBLE DE MIROIRS
[72] KNAPLUND, JUSTIN K., US
[71] FLIGHTSAFETY INTERNATIONAL INC., US
[85] 2023-04-27
[86] 2021-10-27 (PCT/US2021/056757)
[87] (WO2022/093897)
[30] US (63/106,710) 2020-10-28

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[25] EN
[54] VIEWING OPTIC
[54] OPTIQUE DE VISUALISATION
[72] TOY, SETH, US
[71] SHELTERED WINGS, INC. D/B/A VORTEX OPTICS, US
[85] 2023-04-27
[86] 2021-10-28 (PCT/US2021/056993)
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[30] US (63/107,087) 2020-10-29

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[13] A1

[51] Int.Cl. B65G 1/137 (2006.01) G06Q 10/08 (2023.01) G06Q 50/28 (2012.01) B65G 43/08 (2006.01) B65G 47/90 (2006.01)

[25] EN

[54] SYSTEMS AND METHODS FOR PROVIDING ANALYTICS REGARDING A PLURALITY OF OBJECT PROCESSING SYSTEMS

[54] SYSTEMES ET PROCEDES DE FOURNITURE DE DISPOSITIFS ANALYTIQUES RELATIFS A UNE PLURALITE DE SYSTEMES DE TRAITEMENT D'OBJETS

[72] HATTABAUGH, CRAIG, US
[72] JOHNSON, STEVEN, US
[72] KING, JENNIFER EILEEN, US
[72] AMEND, JOHN RICHARD JR., US
[72] MARONEY, KYLE, US
[72] WAGNER, THOMAS, US
[71] BERKSHIRE GREY OPERATING COMPANY, INC., US
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[87] (WO2022/094040)
[30] US (63/107,324) 2020-10-29

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[13] A1

[51] Int.Cl. B25J 9/00 (2006.01) B25J 9/16 (2006.01)

[25] EN

[54] SYSTEMS AND METHODS FOR AUTOMATED PACKAGING AND PROCESSING FOR SHIPPING WITH OBJECT POSE ANALYSIS

[54] SYSTEMES ET PROCEDES DE CONDITIONNEMENT ET DE TRAITEMENT AUTOMATISES POUR EXPEDITION AVEC ANALYSE DE POSTURE D'OBJETS

[72] COHEN, BENJAMIN, US
[72] GEYER, CHRISTOPHER, US
[72] KOLETSCHKA, THOMAS, US
[72] LINK, JAY, US
[72] LURZ, JOSHUA, US
[72] MASON, MATTHEW T., US
[72] MUSGRAVE, RICHARD, US
[72] O'HERN, RYAN, US
[72] PRICE, GENE TEMPLE, US
[72] ROMANO, JOSEPH, US
[72] VELAGAPUDI, PRASANNA, US
[72] WAGNER, THOMAS, US
[72] SASLAW, JEREMY, US
[71] BERKSHIRE GREY OPERATING COMPANY, INC., US
[85] 2023-04-27
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[87] (WO2022/094298)
[30] US (63/107,302) 2020-10-29
[30] US (63/172,987) 2021-04-09

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[13] A1

[51] Int.Cl. B25J 9/00 (2006.01) B25J 9/16 (2006.01)

[25] EN

[54] SYSTEMS AND METHODS FOR AUTOMATED PACKAGING AND PROCESSING FOR SHIPPING WITH CONTAINER ALIGNMENT

[54] SYSTEMES ET PROCEDES DE CONDITIONNEMENT ET DE TRAITEMENT AUTOMATISES POUR L'EXPEDITION A ALIGNEMENT DE CONTENEURS

[72] COHEN, BENJAMIN, US
[72] GEYER, CHRISTOPHER, US
[72] KOLETSCHKA, THOMAS, US
[72] LINK, JAY, US
[72] LURZ, JOSHUA, US
[72] MASON, MATTHEW T., US
[72] MUSGRAVE, RICHARD, US
[72] O'HERN, RYAN, US
[72] PRICE, GENE TEMPLE, US
[72] ROMANO, JOSEPH, US
[72] VELAGAPUDI, PRASANNA, US
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[72] SASLAW, JEREMY, US
[71] BERKSHIRE GREY OPERATING COMPANY, INC., US
[85] 2023-04-27
[86] 2021-10-29 (PCT/US2021/057392)
[87] (WO2022/094304)
[30] US (63/107,302) 2020-10-29
[30] US (63/172,987) 2021-04-09

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[54] FRACTURING OPERATION SYSTEM

[54] SYSTEME D'OPERATION DE FRACTURATION

[72] BRUNS, JARED MICHAEL, US
[72] KONCHENKO, ANDREY, US
[72] BONNELL, ANDREW, US
[72] ESTRADA BENAVIDES, JUAN DAVID, CO
[71] SCHLUMBERGER CANADA LIMITED, CA
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[21] 3,199,774
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[25] EN
[54] DEVICES, SYSTEMS, AND METHODS FOR AFFECTING ADHERENCE TO MEDICATION PROTOCOLS
[54] DISPOSITIFS, SYSTEMES ET PROCEDES POUR AFFECTER L'ADHESION A DES PROTOCOLES DE MEDICATION
[72] SHTEIN, MAX, US
[72] SHTEYN, Y., EUGENE, US
[72] MOAYER, MOHSEN, US
[71] THE REGENTS OF THE UNIVERSTIY OF MICHIGAN, US
[71] SUBLIME, LLC, US
[85] 2023-04-28
[86] 2021-10-29 (PCT/US2021/057299)
[87] (WO2022/094243)
[30] US (63/108,015) 2020-10-30

[21] 3,199,775
[13] A1

[51] Int.Cl. G01T 1/178 (2006.01) G06Q 50/26 (2012.01) G01N 1/22 (2006.01) G01N 33/00 (2006.01) G01T 7/02 (2006.01) G01W 1/02 (2006.01) G05B 19/401 (2006.01) G06N 5/02 (2023.01)
[25] EN
[54] SYSTEM AND METHOD OF MEASURING AN ENVIRONMENTAL CONTAMINANT, AND RADON MONITOR FOR USE WITH THE SAME
[54] SYSTEME ET PROCEDE DE MESURE D'UN CONTAMINANT ENVIRONNEMENTAL, ET DISPOSITIF DE SURVEILLANCE DE RADON DESTINE A ETRE UTILISE AVEC CEUX-CI
[72] HOYLMAN, KYLE, US
[72] BONNIWELL, CHRIS, US
[72] FERGUSON, CHRISTOPHER, US
[71] PROTECT, LLC, US
[85] 2023-04-28
[86] 2021-10-29 (PCT/US2021/057370)
[87] (WO2022/094288)
[30] US (63/107,954) 2020-10-30

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[13] A1

[51] Int.Cl. B25J 9/00 (2006.01) B25J 9/16 (2006.01)
[25] EN
[54] SYSTEMS AND METHODS FOR AUTOMATED PACKAGING AND PROCESSING FOR SHIPPING WITH PACK AND PLACE PLANNING
[54] SYSTEMES ET PROCEDES DE CONDITIONNEMENT ET DE TRAITEMENT AUTOMATISES POUR L'EXPEDITION COMPRENANT LA PLANIFICATION D'EMPAQUETAGE ET DE PLACEMENT
[72] COHEN, BENJAMIN, US
[72] GEYER, CHRISTOPHER, US
[72] KOLETSCHKA, THOMAS, US
[72] LINK, JAY, US
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[72] O'HERN, RYAN, US
[72] PRICE, GENE TEMPLE, US
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[72] WAGNER, THOMAS, US
[72] SASLAW, JEREMY, US
[71] BERKSHIRE GREY OPERATING COMPANY, INC., US
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[86] 2021-10-29 (PCT/US2021/057396)
[87] (WO2022/094307)
[30] US (63/107,302) 2020-10-29
[30] US (63/172,987) 2021-04-09

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[13] A1

[51] Int.Cl. C12N 15/113 (2010.01) C12N 9/22 (2006.01)
[25] EN
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[54] COMPOSITIONS COMPRENANT UN ARN GUIDE CIBLANT B2M ET LEURS UTILISATIONS
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[72] HASWELL, JEFFREY RAYMOND, US
[72] DITOMMASO, TIA MARIE, US
[72] JAKIMO, NOAH MICHAEL, US
[71] ARBOR BIOTECHNOLOGIES, INC., US
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[87] (WO2022/094309)
[30] US (63/107,869) 2020-10-30
[30] US (63/252,719) 2021-10-06

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[13] A1

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[25] EN
[54] RESOURCE-SAVING SYSTEMS AND METHODS
[54] SYSTEMES ET PROCEDES D'ECONOMIE DE RESSOURCES
[72] GUPTA, VIKRAM MAKAM, IN
[71] ROVI GUIDES, INC., US
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 - [25] EN
 - [54] SYSTEMS AND METHODS FOR PLUGGING A WELL
 - [54] SYSTEMES ET PROCEDES D'OBTURATION D'UN PUITS
 - [72] HARMS, TIMOTHY EDWARD, US
 - [71] HALLIBURTON ENERGY SERVICES, INC., US
 - [85] 2023-04-28
 - [86] 2021-03-30 (PCT/US2021/024831)
 - [87] (WO2022/211788)
 - [30] US (17/215,227) 2021-03-29
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- [25] EN
- [54] DISTAL TIPS OF SURGICAL TOOLS AND RELATED METHODS
- [54] POINTES DISTALES D'OUTILS CHIRURGICAUX ET PROCEDES ASSOCIES
- [72] HOLBROOKS, ASHLEY, US
- [72] GUTELIUS, PATRICK N., US
- [72] PINTO, FABIO, US
- [72] HELSTERN, GARY, US
- [71] COOPERSURGICAL, INC., US
- [85] 2023-04-28
- [86] 2021-09-23 (PCT/US2021/051791)
- [87] (WO2022/093451)
- [30] US (63/107,078) 2020-10-29

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- [25] EN
- [54] ASYMMETRIC FACED COMPOSITE NONWOVEN TEXTILE AND METHODS OF MANUFACTURING THE SAME
- [54] TEXTILE NON-TISSE COMPOSITE A FACES ASYMETRIQUES ET SES PROCEDES DE FABRICATION
- [72] BRANDT, BARON C., US
- [72] CHIEN, CHING-YI, CN
- [72] CONNORS, KRISTA J., US
- [72] LUND, DALLAS, US
- [72] MCFARLAND II, WILLIAM C., US
- [72] OU, YANG-HUA, CN
- [72] STAUB, ANDREA J., US
- [72] TURNER, DAVID, US
- [72] WILLIAMS, JOSHUA PATRICK, US
- [72] CHIEN, JUNG-FU, TW
- [72] PENG, CHUNG-SHAN, TW
- [71] NIKE INNOVATE C.V., US
- [85] 2023-04-28
- [86] 2021-10-20 (PCT/US2021/055822)
- [87] (WO2022/093594)
- [30] US (63/108,042) 2020-10-30
- [30] US (63/125,720) 2020-12-15
- [30] US (63/218,070) 2021-07-02

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- [25] EN
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- [54] SYSTEMES ET PROCEDES D'INSERTION, DE TRANSVAISEMENT ET D'ESTIMATION D'ELIGIBILITE AUTOMATISEE DE SKU
- [72] AMEND, JOHN RICHARD, US
- [72] BARBER, TIMOTHY, US
- [72] COHEN, BENJAMIN, US
- [72] GEYER, CHRISTOPHER, US
- [72] GLASGOW, EVAN, US
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- [72] NASEFF, SAMUEL, US
- [72] O'BRIEN, KEVIN, US
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- [72] ROMANO, JOSEPH, US
- [72] SACCOCCIO, MAX, US
- [72] SCOLNIC, JESSICA, US
- [72] VELAGAPUDI, PRASANNA, US
- [71] BERKSHIRE GREY OPERATING COMPANY, INC., US
- [85] 2023-04-28
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- [87] (WO2022/093955)
- [30] US (63/107,680) 2020-10-30

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 - [25] EN
 - [54] SYSTEM, DEVICES AND METHODS FOR ELECTRON BEAM FOR PLASMA HEATING
 - [54] SYSTEME, DISPOSITIFS ET PROCEDES POUR FAISCEAU ELECTRONIQUE POUR CHAUFFAGE AU PLASMA
 - [72] TKACHEV, ANTON, US
 - [72] KOREPANOV, SERGEY, US
 - [71] TAE TECHNOLOGIES, INC., US
 - [85] 2023-05-03
 - [86] 2021-11-09 (PCT/US2021/058601)
 - [87] (WO2022/099189)
 - [30] US (63/111,446) 2020-11-09
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[13] A1

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- [25] EN
- [54] POLYNUCLEOTIDES ENCODING CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR FOR THE TREATMENT OF CYSTIC FIBROSIS
- [54] POLYNUCLEOTIDES CODANT POUR UN REGULATEUR DE CONDUCTANCE TRANSMEMBRANAIRE DE LA MUCOVISCIDOSE POUR LE TRAITEMENT DE LA MUCOVISCIDOSE
- [72] SUNG, JEAN C., US
- [72] REID, DAVID, US
- [72] BICKNELL, ALICIA ANNE, US
- [72] CADETE PIRES, ANA, US
- [72] HRKACH, JEFFREY, US
- [71] MODERNATX, INC., US
- [85] 2023-05-03
- [86] 2021-11-12 (PCT/US2021/059231)
- [87] (WO2022/104131)
- [30] US (63/113,715) 2020-11-13

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 - [25] EN
 - [54] HEAVY CHAIN ANTIBODIES BINDING TO FOLATE RECEPTOR ALPHA
 - [54] ANTICORPS A CHAINE LOURDE SE LIANT A UN RECEPTEUR ALPHA AUX FOLATES
 - [72] AVANZINO, BRIAN, US
 - [72] HARRIS, KATHERINE, US
 - [72] KEHM, HANNES, US
 - [72] TRINKLEIN, NATHAN, US
 - [71] TENEOBIO, INC., US
 - [85] 2023-05-03
 - [86] 2021-11-17 (PCT/US2021/059701)
 - [87] (WO2022/109010)
 - [30] US (63/115,436) 2020-11-18
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- [54] ANTAGONISTES DU RECEPTEUR M4 D'ACETYLCHOLINE MUSCARINIQUE
- [72] BENDER, AARON M., US
- [72] SPOCK, MATTHEW, US
- [72] KORKMAZ-VAISYS, MELISSA A., US
- [72] LINDSLEY, CRAIG W., US
- [72] CONN, P. JEFFREY, US
- [71] VANDERBILT UNIVERSITY, US
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- [87] (WO2022/109099)
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 - [25] EN
 - [54] COMPOSITIONS AND METHODS FOR PREVENTING AND PROTECTING AGAINST DAMAGE IN CELLS AND TISSUES
 - [54] COMPOSITIONS ET METHODES DE PREVENTION ET DE PROTECTION CONTRE DES LESIONS DANS DES CELLULES ET DES TISSUS
 - [72] GRDINA, DAVID, US
 - [72] PESKOFF, JONATHAN, US
 - [71] F3 PLATFORM BIOLOGICS, INC., US
 - [85] 2023-05-03
 - [86] 2021-11-22 (PCT/US2021/060291)
 - [87] (WO2022/115360)
 - [30] US (63/118,333) 2020-11-25
 - [30] US (63/118,341) 2020-11-25
 - [30] US (63/118,344) 2020-11-25
 - [30] US (63/118,347) 2020-11-25
 - [30] US (63/118,352) 2020-11-25
 - [30] US (63/118,356) 2020-11-25
 - [30] US (63/118,362) 2020-11-25
 - [30] US (63/118,369) 2020-11-25
 - [30] US (63/118,373) 2020-11-25
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 - [30] US (63/118,382) 2020-11-25
 - [30] US (63/118,388) 2020-11-25
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- [25] EN
- [54] CENTRING DEVICE FOR METAL BLANKS
- [54] DISPOSITIF DE CENTRAGE POUR TOLES
- [72] EBNER, ROBERT, AT
- [72] HUMER, HARALD, AT
- [72] OPPERMANN, ANTON, AT
- [72] SCHATZ, DANIEL, AT
- [71] EBNER INDUSTRIEOFENBAU GMBH, AT
- [85] 2023-04-25
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 - [54] SILICON-ALUMINUM MOLECULAR SIEVE CATALYST, AND PREPARATION AND APPLICATION THEREOF
 - [54] CATALYSEUR DE TYPE TAMIS MOLECULAIRE A BASE DE SILICIUM-ALUMINIUM, SA PREPARATION ET UNE APPLICATION CORRESPONDANTE.
 - [72] YANG, WEIMIN, CN
 - [72] WANG, DARUI, CN
 - [72] SUN, HONGMIN, CN
 - [72] LIU, WEI, CN
 - [72] HUAN, MINGYAO, CN
 - [72] XUE, MINGWEI, CN
 - [72] HE, JUNLIN, CN
 - [71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
 - [71] SHANGHAI RESEARCH INSTITUTE OF PETROCHEMICAL TECHNOLOGY, SINOPEC, CN
 - [85] 2023-04-25
 - [86] 2021-10-25 (PCT/CN2021/125964)
 - [87] (WO2022/089338)
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- [25] EN
- [54] METHOD FOR REFINING GLYCOLIDE AND GLYCOLIDE OBTAINED THEREFROM
- [54] PROCEDE DE RAFFINAGE DE GLYCOLIDE, ET GLYCOLIDE OBTENU A L'AIDE DE CE PROCEDE
- [72] XIONG, WENTAO, CN
- [72] WANG, RUI, CN
- [72] ZHOU, FEN, CN
- [72] XIONG, JINGEN, CN
- [71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
- [71] SHANGHAI RESEARCH INSTITUTE OF PETROCHEMICAL TECHNOLOGY, SINOPEC, CN
- [85] 2023-04-25
- [86] 2021-10-26 (PCT/CN2021/126351)
- [87] (WO2022/089413)
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 - [25] EN
 - [54] A SYSTEM FOR A VERTICAL GRINDING MILL, A REPLACEMENT KIT OF WEAR SEGMENTS, A KIT OF WEAR PROTECTION ELEMENTS AND A VERTICAL GRINDING MILL
 - [54] SYSTEME POUR BROYEUR VERTICAL, KIT DE REMplacement DE SEGMENTS D'USURE, KIT D'ELEMENTS DE PROTECTION CONTRE L'USURE ET BROYEUR VERTICAL
 - [72] RIZZOLI, RODRIGO, BR
 - [71] METSO OUTOTEC FINLAND OY, FI
 - [85] 2023-04-25
 - [86] 2021-10-07 (PCT/EP2021/077647)
 - [87] (WO2022/128195)
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- [25] EN
- [54] METHODS OF REDUCING TAU IN HUMAN SUBJECTS
- [54] PROCEDES DE REDUCTION DE LA PROTEINE TAU CHEZ DES SUJETS HUMAINS
- [72] GALPERN, WENDY R., US
- [72] TIMMERS, MAARTEN, BE
- [72] JACOBS, TOM LIEVEN K., BE
- [72] NANDY, PARTHA, US
- [72] LI, LINGJUE, US
- [71] JANSSEN PHARMACEUTICA NV, BE
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 - [25] EN
 - [54] METHOD OF SAFE ADMINISTRATION OF ANTI-TAU ANTIBODY
 - [54] METHODE D'ADMINISTRATION SURE D'ANTICORPS ANTI-TAU
 - [72] HENLEY, DAVID, US
 - [72] NANDY, PARTHA, US
 - [72] RUIXO, CARLOS PEREZ, ES
 - [72] LI, LINGJUE, US
 - [71] JANSSEN PHARMACEUTICA NV, BE
 - [85] 2023-04-25
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- [25] EN
- [54] SULFATED C19 STEROID HORMONES TO TREAT AND/OR PREVENT PROTEOTOXICITY IN PROTEIN-AGGREGATION DISEASES
- [54] HORMONES STEROIDES C19 SULFATEES POUR TRAITER ET/OU PREVENIR LA PROTEOTOXICITE DANS DES MALADIES DUES A DES AGREGATIONS DE PROTEINES
- [72] MUÑOZ, MANUEL J., ES
- [72] PEREZ-JIMENEZ, MERCEDES M., ES
- [72] CARRION, ANGEL M., ES
- [71] UNIVERSIDAD PABLO DE OLAVIDE, ES
- [85] 2023-04-25
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 - [25] EN
 - [54] SULFATED C19 STEROID HORMONES TO PROTECT AGAINST AGING-ASSOCIATED PROTEOTOXICITY
 - [54] HORMONES STEROIDES C19 SULFATEES POUR LA PROTECTION CONTRE LA PROTEOTOXICITE ASSOCIEE AU VIEILLISSEMENT
 - [72] MUÑOZ, MANUEL J., ES
 - [72] PEREZ-JIMENEZ, MERCEDES M., ES
 - [72] CARRION, ANGEL M., ES
 - [71] UNIVERSIDAD PABLO DE OLAVIDE, ES
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- [25] EN
- [54] SYSTEM AND METHOD FOR ASEPTIC SAMPLING AND FLUID ADDITION
- [54] SYSTEME ET PROCEDE D'ECHANTILLONNAGE ASEPTIQUE ET D'ADDITION DE FLUIDE
- [72] TIMMINS, MARK R., US
- [72] SHERMAN, MATTHEW, US
- [72] ALI, YASSER, US
- [72] PICARDO, MARC, US
- [72] BENOIT, KEITH, US
- [71] GLOBAL LIFE SCIENCES SOLUTIONS USA LLC, US
- [85] 2023-04-25
- [86] 2021-10-27 (PCT/EP2021/079802)
- [87] (WO2022/106165)
- [30] US (16/951,280) 2020-11-18

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 - [25] EN
 - [54] DICYCLOPROPYLMETHYL DERIVATIVES AS IL-17 MODULATORS
 - [54] DERIVES DE DICYCLOPROPYLMETHYLE EN TANT QUE MODULATEURS D'IL-17
 - [72] FROST, JAMES RICHARD, GB
 - [72] HASLETT, GREGORY WILLIAM, GB
 - [72] REUBERSON, JAMES THOMAS, GB
 - [71] UCB BIOPHARMA SRL, BE
 - [85] 2023-04-25
 - [86] 2021-11-01 (PCT/EP2021/080251)
 - [87] (WO2022/096412)
 - [30] GB (2017642.6) 2020-11-09
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- [25] EN
- [54] SANITARY PROCEDURES AND PRODUCTS
- [54] PROCEDURES ET PRODUITS SANITAIRES
- [72] KIEZEBRINK, HARM, SE
- [72] KREFTING, NICOLE, SE
- [71] BALLOONX SA.R.L., LU
- [85] 2023-04-25
- [86] 2021-11-25 (PCT/EP2021/082988)
- [87] (WO2022/112411)
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 - [25] EN
 - [54] SCREW FLIGHT SYSTEM, REPLACEMENT KIT, A VERTICAL GRINDING MILL, AND METHOD OF MOUNTING THE SAME
 - [54] SYSTEME DE FILETS, KIT DE REMplacement, BROyeur VERTICAL ET PROCEDE DE MONTAGE ASSOCIE
 - [72] DE ASSIS NOGUEIRA JUNIOR, FRANCISCO, BR
 - [71] METSO OUTOTEC FINLAND OY, FI
 - [85] 2023-04-25
 - [86] 2021-12-09 (PCT/EP2021/084949)
 - [87] (WO2022/128725)
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- [25] EN
- [54] METHOD FOR THE MANUFACTURE OF A SELF-STANDING GRAPHENE OXIDE OR REDUCED GRAPHENE OXIDE FILM
- [54] METHODE DE FABRICATION D'UN OXYDE DE GRAPHENE AUTOPORTANT OU D'UN FILM D'OXYDE DE GRAPHENE REDUIT
- [72] MEGIDO FERNANDEZ, LAURA, ES
- [72] BOTAS VELASCO, CRISTINA, ES
- [72] VU, THI TAN, ES
- [72] SUAREZ SANCHEZ, ROBERTO, ES
- [71] ARCELORMITTAL, LU
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 - [25] EN
 - [54] **IMPROVED USE OF MDI IN ENGINEERED WOOD PRODUCTS**
 - [54] UTILISATION AMELIOREE DE MDI DANS DES PRODUITS EN BOIS MODIFIES
 - [72] GLAZER, IRINA, IL
 - [72] SHOSHANI, AMNON, IL
 - [71] SMARTECH THE INDUSTRY PIVOT LTD., IL
 - [85] 2023-04-25
 - [86] 2021-10-19 (PCT/IB2021/059621)
 - [87] (WO2022/084853)
 - [30] US (63/105,311) 2020-10-25
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- [25] EN
- [54] **CONTROLLED TEMPERATURE PRE-TREATMENT APPLICATION OF ADHESIVE RESIN IN ENGINEERED WOOD PRODUCTS**
- [54] **APPLICATION DE PRE- TRAITEMENT A TEMPERATURE REGULEE DE RESINE ADHESIVE DANS DES PRODUITS DE BOIS D'INGENIERIE**
- [72] GLAZER, IRINA, IL
- [72] SHOSHANI, AMNON, IL
- [71] SMARTECH THE INDUSTRY PIVOT LTD., IL
- [85] 2023-04-25
- [86] 2021-10-19 (PCT/IB2021/059622)
- [87] (WO2022/084854)
- [30] US (63/105,313) 2020-10-25

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- [25] EN
- [54] **METHODS AND APPARATUSES FOR DETERMINING TRANSDUCER LOCATIONS TO GENERATE TUMOR TREATING FIELDS**
- [54] **METHODES ET APPAREILS POUR DETERMINER DES EMPLACEMENTS DE TRANSDUCTEUR POUR GENERER DES CHAMPS DE TRAITEMENT DE TUMEUR**
- [72] MARCIANO, TAL, IL
- [72] ZEEVI, OSHRIT, IL
- [71] NOVOCURE GMBH, CH
- [85] 2023-04-25
- [86] 2021-11-03 (PCT/IB2021/060184)
- [87] (WO2022/097045)
- [30] US (63/110,674) 2020-11-06
- [30] US (17/517,407) 2021-11-02

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- [25] EN
- [54] **ANTI-CD19 AGENT AND B CELL TARGETING AGENT COMBINATION THERAPY FOR TREATING B CELL MALIGNANCIES**
- [54] **POLYTHERAPIE A BASE D'AGENTS ANTI-CD19 ET D'AGENTS DE CIBLAGE DE LYMPHOCYTES B POUR TRAITER DES MALIGNITES A LYMPHOCYTES B**
- [72] AARDALEN, KIMBERLY MARIE, US
- [72] CEBE, REGIS, CH
- [72] CHELUR, DATTANANDA, US
- [72] DRANOFF, GLENN, US
- [72] GRANDA, BRIAN WALTER, US
- [72] HASSOUNAH, NADIA, US
- [72] HONG, CONNIE, US
- [72] JANG, SUNYOUNG, US
- [72] LU, HAIHUI, US
- [72] RAYO, AMY, US
- [72] SKEGRO, DARKO, CH
- [72] WOO, JANGHEE, US
- [71] NOVARTIS AG, CH
- [85] 2023-04-25
- [86] 2021-11-04 (PCT/IB2021/060216)
- [87] (WO2022/097061)
- [30] US (63/110,490) 2020-11-06
- [30] US (63/110,501) 2020-11-06
- [30] US (63/114,370) 2020-11-16
- [30] US (63/114,371) 2020-11-16
- [30] US (63/147,488) 2021-02-09
- [30] US (63/147,501) 2021-02-09

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 - [25] EN
 - [54] **METHOD FOR ROBOTIC MILKING AND ROBOTIC MILKING DEVICE**
 - [54] **PROCEDE DE TRAITE ROBOTISEE ET DISPOSITIF DE TRAITE ROBOTISE**
 - [72] VOORSLUYS, MARIO HENRIQUE, NL
 - [72] LAM, THANH MUNG, NL
 - [72] MEIJER, JAN GERRIT JONATHAN, NL
 - [71] LELY PATENT N.V., NL
 - [85] 2023-04-25
 - [86] 2021-11-11 (PCT/IB2021/060434)
 - [87] (WO2022/101815)
 - [30] NL (2026900) 2020-11-16
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- [25] EN
- [54] **INJECTION MOLDED, BLOW MOLDED, AND ROTATIONAL MOLDED ARTICLES THAT INTEGRALLY INCORPORATE A PHOTOVOLTAIC DEVICE, AND METHOD AND SYSTEM FOR PRODUCING SUCH ARTICLES**
- [54] **ARTICLES MOULES PAR INJECTION, MOULES PAR SOUFFLAGE ET MOULES PAR ROTATION QUI INCORPORENT D'UN SEUL TENANT UN DISPOSITIF PHOTOVOLTAIQUE, ET PROCEDE ET SYSTEME DE PRODUCTION DE TELS ARTICLES**
- [72] ALBALAK, RAMON JOSEPH, IL
- [72] MAIMON, ERAN, IL
- [71] SOLARPAINT LTD., IL
- [85] 2023-04-25
- [86] 2021-10-27 (PCT/IL2021/051269)
- [87] (WO2022/091088)
- [30] US (63/106,666) 2020-10-28
- [30] US (17/353,867) 2021-06-22

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 - [25] EN
 - [54] **PROCESS FOR PREPARATION OF PURE NALTREXONE DECANOATE, ITS SALTS, COMPOSITION AND METHOD OF USE THEREOF**
 - [54] **PROCEDE DE PREPARATION DE DECANOATE DE NALTREXONE PUR, SES SELS, SA COMPOSITION ET SON PROCEDE D'UTILISATION**
 - [72] SAXENA, KUNAL, IN
 - [72] SAXENA, AAKARSH, IN
 - [71] NAVIN SAXENA RESEARCH & TECHNOLOGY PVT. LTD., IN
 - [85] 2023-04-25
 - [86] 2021-10-27 (PCT/IN2021/051027)
 - [87] (WO2022/091131)
 - [30] IN (202021046814) 2020-10-27
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 - [25] EN
 - [54] **1-(2-(4-CYCLOPROPYL-1H-1,2,3-TRIAZOL-1-YL)ACETYL)-4-HYDROXYPYRROLIDINE-2-CARBOXA|MIDE DERIVATIVES AS VHL INHIBITORS FOR THE TREATMENT OF ANEMIA**
 - [54] **DERIVES DE 1-(2-(4-CYCLOPROPYL-1H-1,2,3-TRIAZOL-1-YL)ACETYL)-4-HYDROXYPYRROLIDINE-2-CARBOXAMIDE SERVANT D'INHIBITEURS DE VHL POUR LE TRAITEMENT DE L'ANEMIE**
 - [72] FUHRMANN, JAKOB, US
 - [72] WU, HAO, US
 - [72] FAIRBROTHER, WAYNE J., US
 - [71] GENENTECH, INC., US
 - [85] 2023-04-25
 - [86] 2021-11-10 (PCT/US2021/072338)
 - [87] (WO2022/104345)
 - [30] US (63/112,611) 2020-11-11
 - [30] US (63/119,586) 2020-11-30
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 - [25] EN
 - [54] **HANDLE FOR A PERSONAL CARE IMPLEMENT AND PERSONAL CARE IMPLEMENT**
 - [54] **MANCHE POUR UN ACCESSOIRE DE SOINS PERSONNELS ET ACCESSOIRE DE SOINS PERSONNELS**
 - [72] JUNGNICKEL, UWE, DE
 - [71] THE GILLETTE COMPANY LLC, US
 - [85] 2023-04-25
 - [86] 2021-11-04 (PCT/US2021/072224)
 - [87] (WO2022/099275)
 - [30] EP (20206114.9) 2020-11-06
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- [51] Int.Cl. H01J 37/32 (2006.01) H05H 1/24 (2006.01)
- [25] EN
- [54] **DRIVE CIRCUIT FOR A DIELECTRIC BARRIER DISCHARGE DEVICE AND METHOD OF CONTROLLING THE DISCHARGE IN A DIELECTRIC BARRIER DISCHARGE**
- [54] **CIRCUIT D'ATTAQUE POUR UN DISPOSITIF DE DECHARGE A BARRIERE DIELECTRIQUE ET PROCEDE DE COMMANDE DE LA DECHARGE DANS UNE DECHARGE A BARRIERE DIELECTRIQUE**
- [72] MICHAN, JUAN MARIO, CH
- [72] RAMSAY, WILLIAM JAMIESON, CH
- [72] NEUMAYR, DOMINIK, CH
- [71] DAPHNE TECHNOLOGY SA, CH
- [85] 2023-04-26
- [86] 2021-11-19 (PCT/EP2021/082310)
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- [30] GB (2018200.2) 2020-11-19
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- [25] EN
- [54] METHOD, COMBINATION OR COMPOSITION FOR ENHANCED INSECTICIDAL, ACARICIDAL AND/OR NEMATICIDAL ACTIVITY
- [54] PROCEDE, COMBINAISON OU COMPOSITION POUR UNE ACTIVITE INSECTICIDE, ACARICIDE ET/OU NEMATICIDE AMELIOREE
- [72] SANCHEZ, JEAN-MARC, FR
- [72] COR, OLIVIER, FR
- [72] RICCI, MANUELE, IT
- [71] DANSTAR FERMENT AG, CH
- [85] 2023-04-26
- [86] 2021-11-08 (PCT/EP2021/080965)
- [87] (WO2022/096721)
- [30] EP (20306354.0) 2020-11-09

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[13] A1

- [51] Int.Cl. A61P 35/00 (2006.01) C07K 16/28 (2006.01)
- [25] EN
- [54] POLYPEPTIDE CONSTRUCTS BINDING TO CD3
- [54] CONSTRUCTIONS POLYPEPTIDIQUES SE LIANT A CD3
- [72] RAU, DORIS, DE
- [72] RAUM, TOBIAS, DE
- [72] HOFFMANN, PATRICK, DE
- [72] MUENZ, MARKUS, DE
- [72] KLINGER, MATTHIAS, DE
- [72] NAEGELE, VIRGINE, DE
- [72] WINKEL, LISA, DE
- [72] GHATTYVENKATAKRISHNA, PAVAN, US
- [72] HUH, JOON HOI, US
- [72] MCAULEY, ARNOLD, US
- [72] KANAPURAM, SEKHAR, US
- [71] AMGEN INC., US
- [71] AMGEN RESEARCH (MUNICH) GMBH, DE
- [85] 2023-04-26
- [86] 2021-11-08 (PCT/EP2021/080859)
- [87] (WO2022/096698)
- [30] US (63/110,545) 2020-11-06

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[13] A1

- [51] Int.Cl. C07K 16/28 (2006.01)
- [25] EN
- [54] IMMUNE CHECKPOINT INHIBITOR
- [54] INHIBITEUR DE POINT DE CONTROLE IMMUNITAIRE
- [72] DUNLOP, MARSHALL, GB
- [72] SCHON, SHIRLEY, GB
- [72] LAMONT, JOHN, GB
- [72] FITZGERALD, PETER, GB
- [71] RANDOX LABORATORIES LTD, GB
- [85] 2023-04-26
- [86] 2021-11-02 (PCT/EP2021/080423)
- [87] (WO2022/096470)
- [30] EP (20205559.6) 2020-11-03

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- [51] Int.Cl. A61B 1/00 (2006.01) A61B 1/06 (2006.01) A61B 1/267 (2006.01)
- [25] EN
- [54] VIDEO LARYNGOSCOPE FOR MANAGING THE AIRWAY IN AN INDIVIDUAL IN NEED THEREOF
- [54] LARYNGOSCOPE VIDEO DE GESTION DES VOIES RESPIRATOIRES CHEZ UN INDIVIDU EN AYANT BESOIN
- [72] SIEBENHAAR, GUILLERMO LEONARDO, AR
- [71] SIEBENHAAR, GUILLERMO LEONARDO, AR
- [71] SPITALE, LUIS SANTOS, AR
- [85] 2023-04-26
- [86] 2021-10-29 (PCT/EP2021/080104)
- [87] (WO2022/090454)
- [30] AR (P20200103008) 2020-10-30

[21] 3,199,935
[13] A1

- [51] Int.Cl. B26B 5/00 (2006.01) B65D 83/10 (2006.01)
- [25] EN
- [54] BLADE DISPENSER
- [54] DISTRIBUTEUR DE LAMES
- [72] STOKES, STEVE, FI
- [72] WEBER, EMERY K., FI
- [71] FISKARS FINLAND OY AB, FI
- [85] 2023-04-26
- [86] 2021-10-26 (PCT/EP2021/079729)
- [87] (WO2022/090260)
- [30] US (63/106,006) 2020-10-27

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[13] A1

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- [25] EN
- [54] LIPOSOMES CONTAINING TLR4 AGONIST, PREPARATION AND USES THEREOF
- [54] LIPOSOMES CONTENANT UN AGONISTE DU TLR4, LEUR PREPARATION ET LEURS UTILISATIONS
- [72] GARINOT, MARIE, FR
- [72] HAENSLER, JEAN, FR
- [72] PIRAS, FABIENNE, FR
- [72] SYNTIN, PATRICK, FR
- [72] RUIZ, SOPHIE, FR
- [71] SANOFI PASTEUR, FR
- [85] 2023-04-26
- [86] 2021-10-28 (PCT/EP2021/079918)
- [87] (WO2022/090359)
- [30] EP (20306291.4) 2020-10-28

[21] 3,199,941
[13] A1

- [51] Int.Cl. B61B 13/10 (2006.01)
- [25] EN
- [54] A TUBE TRANSPORT SYSTEM FOR VERY HIGH VEHICLE SPEEDS AND A METHOD OF OPERATING A TUBE TRANSPORT SYSTEM
- [54] SYSTEME DE TRANSPORT DE TUBES POUR DES VITESSES DE VEHICULE TRES ELEVEES ET PROCEDE DE FONCTIONNEMENT D'UN SYSTEME DE TRANSPORT DE TUBES
- [72] RUDOLF, ALEXANDER, CH
- [72] RUDOLF, ALAIN-DANIEL, DE
- [71] RUDOLF, ALEXANDER, CH
- [85] 2023-04-26
- [86] 2021-10-26 (PCT/EP2021/079655)
- [87] (WO2022/090212)
- [30] SA (120420159) 2020-10-26

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- [51] Int.Cl. H01M 4/86 (2006.01)
- [25] EN
- [54] ELECTRODE MATERIAL
- [54] MATERIAU D'ELECTRODE
- [72] SCHWEISS, RUDIGER-BERND, DE
- [72] MEISER, CHRISTIAN, DE
- [72] CAZIMIR, DANA, DE
- [71] SGL CARBON SE, DE
- [85] 2023-04-26
- [86] 2021-10-26 (PCT/EP2021/079620)
- [87] (WO2022/090196)
- [30] DE (10 2020 213 461.8) 2020-10-26

[21] 3,199,943

[13] A1

- [51] Int.Cl. A61F 2/24 (2006.01) A61F 2/958 (2013.01) A61F 2/966 (2013.01)
- [25] EN
- [54] BALLOON COVER FOR A DELIVERY APPARATUS FOR AN EXPANDABLE PROSTHETIC HEART VALVE
- [54] REVETEMENT DE BALLONNET POUR UN APPAREIL DE DISTRIBUTION DE VALVULE CARDIAQUE PROTHETIQUE EXPANSIBLE
- [72] BIALAS, MICHAEL R., US
- [72] HICKS, KRISTEN, US
- [72] MURAD, MICHAEL C., US
- [72] SENESH, GIL, US
- [72] ANGELICO, GONZALO GERMAN, US
- [72] CERQUEIRA, CARLA SUSANA, US
- [72] LOW, VICTORIA MARIKO, US
- [72] FERNANDEZ, ANDREA, US
- [72] NGUYEN, KIM D., US
- [72] HOANG, LIEN HUONG THI, US
- [72] DO, VICKY HONG, US
- [72] HOYE, SHANNON NICOLE, US
- [72] WHITEHEAD, HALEY NICOLE, US
- [72] WINTERS, TAYLOR MICHAEL, US
- [72] BRITZMAN, KARL J., US
- [71] EDWARDS LIFESCIENCES CORPORATION, US
- [85] 2023-02-02
- [86] 2021-08-23 (PCT/US2021/047068)
- [87] (WO2022/046591)
- [30] US (63/069,567) 2020-08-24
- [30] US (63/138,890) 2021-01-19

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- [51] Int.Cl. A23L 19/00 (2016.01) A23P 20/25 (2016.01) A23N 4/12 (2006.01)
- [25] EN
- [54] DEVICE FOR FORMING FRUIT AND VEGETABLES
- [54] DISPOSITIF DE PREPARATION DE FRUITS ET DE LEGUMES
- [72] KAISER, CHRISTIAN, DE
- [72] SEIFERT, SEVERIN, DE
- [72] KALINA, CHRISTINE, DE
- [72] DITTRICH, SEBASTIAN, DE
- [71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
- [85] 2023-04-26
- [86] 2021-10-26 (PCT/EP2021/079596)
- [87] (WO2022/090182)
- [30] DE (10 2020 128 303.2) 2020-10-28

[21] 3,199,945

[13] A1

- [51] Int.Cl. A61K 9/02 (2006.01) A61K 9/16 (2006.01) A61K 9/20 (2006.01) A61K 9/48 (2006.01) A61K 31/4545 (2006.01) A61K 47/10 (2017.01) A61K 47/38 (2006.01) A61P 15/02 (2006.01) A61P 31/20 (2006.01) A61P 31/22 (2006.01) A61P 35/00 (2006.01)
- [25] EN
- [54] PHARMACEUTICAL COMPOSITION FOR PREVENTING OR TREATING VIRAL PERIVAGINAL DISEASE
- [54] COMPOSITION PHARMACEUTIQUE POUR LA PREVENTION OU LE TRAITEMENT D'UNE MALADIE PERIVAGINALE VIRALE
- [72] ONOGI, HIROSHI, JP
- [72] YAMAGUCHI, TETSUO, JP
- [72] SATO, KATSUHIKO, JP
- [71] KINOPHARMA, INC., JP
- [85] 2023-04-25
- [86] 2021-02-19 (PCT/JP2021/006418)
- [87] (WO2022/091442)
- [30] JP (2020-180339) 2020-10-28

[21] 3,199,948

[13] A1

- [51] Int.Cl. G06N 20/00 (2019.01) G06Q 10/04 (2023.01) G06Q 10/06 (2023.01) G06Q 50/06 (2012.01)
- [25] EN
- [54] LOAD FORECASTING FOR ELECTRICAL EQUIPMENT USING MACHINE LEARNING
- [54] PREVISION DE CHARGE POUR UN EQUIPEMENT ELECTRIQUE A L'AIDE DE L'APPRENTISSAGE AUTOMATIQUE
- [72] CHEIM, LUIZ, US
- [71] HITACHI ENERGY SWITZERLAND AG, CH
- [85] 2023-04-26
- [86] 2020-12-17 (PCT/EP2020/086740)
- [87] (WO2022/111841)
- [30] US (63/118,828) 2020-11-27

[21] 3,199,949

[13] A1

- [51] Int.Cl. E04B 1/348 (2006.01) E04H 1/02 (2006.01)
- [25] EN
- [54] STRUCTURE AND METHOD FOR FABRICATING SAME
- [54] STRUCTURE ET PROCEDE DE FABRICATION DE CELLE-CI
- [72] KITAGAWA, KATSUYUKI, JP
- [71] YUGENKAISHA JAPAN TSUSYO, JP
- [85] 2023-04-25
- [86] 2021-10-27 (PCT/JP2021/039676)
- [87] (WO2022/092157)
- [30] JP (2020-179682) 2020-10-27

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<p style="text-align: right;">[21] 3,199,950 [13] A1</p> <p>[51] Int.Cl. G01V 3/16 (2006.01) G01V 13/00 (2006.01) [25] EN [54] AIRBORNE STRUCTURE FOR AN ARRAY OF GEOPHYSICAL SENSORS, TO BE TOWED BY AN AIRCRAFT, AND KIT AND METHOD FOR ASSEMBLING THE SAME [54] STRUCTURE AEROPORTEE DESTINEE A UN RESEAU DE CAPTEURS GEOPHYSIQUES, DEVANT ETRE REMORQUEE PAR UN AERONEF, ET KIT ET PROCEDE D'ASSEMBLAGE CORRESPONDANTS [72] ANDREASEN, ARNE DOSSING, DK [72] SILVA, EDUARDO L.S., DK [72] KOLSTER, MICK EMIL, DK [71] UMAG SOLUTION APS, DK [85] 2023-04-26 [86] 2020-11-17 (PCT/EP2020/082438) [87] (WO2022/105990)</p> <hr/> <p style="text-align: right;">[21] 3,199,951 [13] A1</p> <p>[51] Int.Cl. A61K 39/395 (2006.01) C12N 5/07 (2010.01) A61K 45/00 (2006.01) A61P 27/02 (2006.01) C07K 16/24 (2006.01) [25] EN [54] GDF15 MODULATOR FOR USE IN INHIBITION OF OCULAR TISSUE FIBROSIS [54] MODULATEUR DE GDF15 DESTINE A ETRE UTILISE DANS L'INHIBITION DE LA FIBROSE DES TISSUS OCULAIRES [72] HARA, HIDEAKI, JP [72] SHIMAZAWA, MASAMITSU, JP [72] NAKAMURA, SHINSUKE, JP [71] HARA, HIDEAKI, JP [71] SHIMAZAWA, MASAMITSU, JP [71] NAKAMURA, SHINSUKE, JP [85] 2023-04-25 [86] 2021-10-29 (PCT/JP2021/040902) [87] (WO2022/092326) [30] JP (2020-182538) 2020-10-30</p>	<p style="text-align: right;">[21] 3,199,952 [13] A1</p> <p>[51] Int.Cl. A61B 5/11 (2006.01) A61B 5/00 (2006.01) [25] EN [54] TRI-AXIAL SEISMOCARDIOGRAPHY DEVICES AND METHODS [54] DISPOSITIFS ET PROCEDES DE SISMOCARDIOGRAPHIE TRIAXIALE [72] MAC QUARRIE, DAVID S, CA [72] NEARY, JOHN PATRICK, CA [72] SAUCHYN, ROBERT D., CA [71] LLA TECHNOLOGIES INC., CA [85] 2023-04-26 [86] 2021-09-17 (PCT/IB2021/000743) [87] (WO2022/090799) [30] US (17/081,287) 2020-10-27</p> <hr/> <p style="text-align: right;">[21] 3,199,953 [13] A1</p> <p>[51] Int.Cl. D21C 9/153 (2006.01) D21C 5/00 (2006.01) C08B 16/00 (2006.01) D01F 2/00 (2006.01) D21H 11/12 (2006.01) D21H 11/14 (2006.01) [25] EN [54] METHOD FOR BLEACHING PULP FROM RECYCLED TEXTILE MATERIAL [54] PROCEDE PERMETTANT DE BLANCHIR UNE PATE A PARTIR D'UN MATERIAU TEXTILE RECYCLE [72] WENNERSTROM, MARIA, SE [71] VALMET AB, SE [85] 2023-04-25 [86] 2021-11-08 (PCT/SE2021/051110) [87] (WO2022/139651) [30] SE (2051513-6) 2020-12-21</p>	<p style="text-align: right;">[21] 3,199,954 [13] A1</p> <p>[51] Int.Cl. G16H 50/80 (2018.01) G16Z 99/00 (2019.01) [25] EN [54] SYSTEM AND METHOD FOR CONTACT TRACING [54] SYSTEME ET PROCEDE DE TRACAGE DE CONTACTS [72] GUERIN, MARC-OLIVIER, CA [72] JANVIER, BENOIT, CA [72] GRONDIN, FELIX, CA [72] KUS, FRANCIS, CA [72] THIVIERGE, DOMINIC, CA [71] ENERO INVENTIONS, CA [85] 2023-04-26 [86] 2021-10-26 (PCT/CA2021/051502) [87] (WO2022/087724) [30] US (63/105,405) 2020-10-26</p> <hr/> <p style="text-align: right;">[21] 3,199,956 [13] A1</p> <p>[51] Int.Cl. E04B 1/61 (2006.01) E04B 2/56 (2006.01) E04G 21/14 (2006.01) [25] EN [54] A WALL JOINT, METHOD AND SYSTEM TO FORM THE WALL JOINT WITH A MECHANICAL CONNECTOR [54] JOINT DE PAROI, PROCEDE ET SYSTEME POUR FORMER LE JOINT DE PAROI A L'AIDE D'UN RACCORD MECANIQUE [72] WONG, SENG, SG [72] HENG, KIM HUAT, SG [72] LEOW, GEOK MUI MAEY, SG [71] WONG, SENG, SG [71] HENG, KIM HUAT, SG [71] LEOW, GEOK MUI MAEY, SG [85] 2023-04-25 [86] 2020-10-27 (PCT/SG2020/050615) [87] (WO2022/093104)</p>
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[21] 3,199,957

[13] A1

- [51] Int.Cl. A01F 25/13 (2006.01) A01F
25/16 (2006.01)
[25] EN
[54] A DEVICE FOR ROLLING BACK
SILAGE COVER MATERIAL AT A
SILAGE STORAGE LOCATION
[54] DISPOSITIF POUR ENROULER UN
MATERIAU DE FILM
D'ENSILAGE A UN
EMPLACEMENT DE STOCKAGE
D'ENSILAGE
[72] PASTOOR, JAN LAMBERTUS, NL
[72] SIE, HOWARD, NL
[72] VERWEIJ, ROCHUS JOHANNES, NL
[72] DEN BOER, NIEK MARIJN, NL
[71] LELY PATENT N.V., NL
[85] 2023-04-26
[86] 2021-11-05 (PCT/IB2021/060251)
[87] (WO2022/101751)
[30] NL (2026859) 2020-11-10
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[21] 3,199,958

[13] A1

- [51] Int.Cl. G01N 33/68 (2006.01)
[25] EN
[54] METHODS FOR MEASURING
DYSTROPHIN IN TISSUE
SAMPLES
[54] METHODES DE MESURE DE
DYSTROPHINE DANS DES
ECHANTILLONS DE TISSU
[72] FARROKHI, VAHID, US
[72] NEUBERT, HENDRIK, US
[72] PALANDRA, JOE, US
[72] WALSH, JASON MICHAEL, US
[71] PFIZER INC., US
[85] 2023-04-26
[86] 2021-10-29 (PCT/IB2021/060037)
[87] (WO2022/091025)
[30] US (63/107,762) 2020-10-30

[21] 3,199,961

[13] A1

- [51] Int.Cl. A23K 20/158 (2016.01) A23L
17/00 (2016.01) C12N 1/12 (2006.01)
[25] EN
[54] MUTANT STRAIN OF THE
SEAWEED NANNOCHLOROPSIS
AND METHOD OF PRODUCTION
OF THE SAME, ITS USE IN THE
PRODUCTION OF ASTAXANTHIN
AND OMEGA-3 AND RELATED
COMPOSITIONS
[54] SOUCHE MUTANTE D'ALGUE
NANNOCHLOROPSIS ET SON
PROCEDE DE PRODUCTION, SON
UTILISATION DANS LA
PRODUCTION D'ASTAXANTHINE
ET D'OMEGA-3 ET
COMPOSITIONS ASSOCIEES
[72] BALLOTTARI, MATTEO, IT
[72] CECCHIN, MICHELA, IT
[72] CAZZANIGA, STEFANO, IT
[72] PALTRINIERI, STEFANIA, IT
[71] UNIVERSITA DEGLI STUDI DI
VERONA, IT
[85] 2023-04-26
[86] 2021-10-28 (PCT/IB2021/059969)
[87] (WO2022/090986)
[30] IT (10202000026005) 2020-11-02
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[21] 3,199,964

[13] A1

- [51] Int.Cl. A23J 1/14 (2006.01) A23J 3/14
(2006.01)
[25] EN
[54] PROCESS FOR PRODUCING NON-
DAIRY PROTEIN PREPARATION,
AND PROTEIN PREPARATION
[54] PROCEDE DE PRODUCTION
D'UNE PREPARATION
PROTEIQUE NON LAITIERE ET
PREPARATION PROTEIQUE
[72] IMMONEN, MIKA, FI
[72] MUURONEN, KLAUS, FI
[71] VALIO LTD, FI
[85] 2023-04-26
[86] 2021-11-26 (PCT/FI2021/050815)
[87] (WO2022/117917)
[30] FI (20206228) 2020-12-01

[21] 3,199,967

[13] A1

- [51] Int.Cl. C07H 1/00 (2006.01) B01J
19/00 (2006.01) C07H 21/00 (2006.01)
[25] EN
[54] PROCESS FOR THE DE-
TRITYLATION OF
OLIGONUCLEOTIDES
[54] PROCEDE DE DETRITYLATION
D'OLIGONUCLEOTIDES
[72] KOMISARSKI, MAREK
STANISLAW, CH
[72] MUELLER, PASCAL, CH
[72] OLBRICH, MARTIN, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2023-04-27
[86] 2022-02-15 (PCT/EP2022/053556)
[87] (WO2022/175211)
[30] EP (21157508.9) 2021-02-17
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[21] 3,199,970

[13] A1

- [51] Int.Cl. C22C 21/16 (2006.01) C22F
1/057 (2006.01)
[25] EN
[54] METHOD OF MANUFACTURING
2XXX-SERIES ALUMINUM
ALLOY PRODUCTS
[54] PROCEDE DE FABRICATION DE
PRODUITS EN ALLIAGE
D'ALUMINIUM DE SERIE 2XXX
[72] SPANGEL, SABINE MARIA, DE
[72] BACH, ANDREAS HARALD, DE
[72] BURGER, ACHIM, DE
[72] MEYER, PHILIPPE, DE
[71] NOVELIS KOBLENZ GMBH, DE
[85] 2023-04-27
[86] 2021-11-19 (PCT/IB2021/060749)
[87] (WO2022/107065)
[30] US (63/198,906) 2020-11-20

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[13] A1

[51] Int.Cl. C12Q 1/6809 (2018.01) C12Q 1/6851 (2018.01) G16B 25/10 (2019.01) G01N 33/50 (2006.01)

[25] EN

[54] STRATIFICATION METHODS FOR ASSESSING THE PROGRESSION AND RISK OF ADVANCED COLORECTAL ADENOMA AND COLORECTAL CANCER

[54] METHODES DE STRATIFICATION POUR EVALUER LA PROGRESSION ET LE RISQUE DE DEVELOPPEMENT D'UN ADENOME COLORECTAL AVANCE ET D'UN CANCER COLORECTAL

[72] BEAULIEU, JEAN-FRANCOIS, CA
[72] HERRING, ELIZABETH, CA
[72] TREMBLAY, ERIC, CA
[71] MAINZ BIOMED N.V., DE
[85] 2023-04-27
[86] 2021-11-02 (PCT/CA2021/051548)
[87] (WO2022/087754)
[30] US (63/108,510) 2020-11-02

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[13] A1

[51] Int.Cl. A61P 35/00 (2006.01) C07K 16/28 (2006.01) A61K 39/00 (2006.01)

[25] EN

[54] POLYPEPTIDE CONSTRUCTS SELECTIVELY BINDING TO CLDN6 AND CD3

[54] CONSTRUCTIONS POLYPEPTIDIQUES SE LIANT SELECTIVEMENT A CLDN6 ET CD3

[72] DAHLHOFF, CHRISTOPH, DE
[72] RAUM, TOBIAS, DE
[72] ANLAHR, JONAS, DE
[72] BLUEMEL, CLAUDIA, DE
[72] GAEDTKE, LARS, DE
[72] QUAGLIA, SILKE, DE
[72] HONER, JONAS, DE
[72] BAILIS, JULIE, US
[72] PHAM, ELIZABETH DANG, US
[72] MURAWSKY, CHRISTOPHER M., US
[72] ALBA, BENJAMIN M., US
[71] AMGEN RESEARCH (MUNICH) GMBH, DE
[71] AMGEN, INC., US
[85] 2023-04-27
[86] 2021-11-08 (PCT/EP2021/080863)
[87] (WO2022/096700)
[30] US (63/110,817) 2020-11-06
[30] US (63/139,419) 2021-01-20

[21] **3,199,977**
[13] A1

[51] Int.Cl. A01M 29/08 (2011.01) E06B 3/67 (2006.01) G02B 1/10 (2015.01) G02B 5/08 (2006.01)

[25] EN

[54] OPTICALLY STRUCTURED ELEMENT FOR A BIRD PROTECTION GLASS, OPTICAL SYSTEM AND USE OF THE OPTICALLY STRUCTURED ELEMENT

[54] ELEMENT OPTIQUEMENT STRUCTURE POUR VERRE POUR LA PROTECTION DES OISEAU, SYSTEME OPTIQUE ET UTILISATION DE L'ELEMENT OPTIQUEMENT STRUCTURE

[72] KROYER, THOMAS, DE
[72] GEORG, ANDREAS, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2023-04-27
[86] 2021-07-30 (PCT/EP2021/071484)
[87] (WO2022/096168)
[30] DE (10 2020 129 482.4) 2020-11-09

[21] **3,199,978**
[13] A1

[51] Int.Cl. G16H 40/20 (2018.01) B01L 3/00 (2006.01) B01L 9/06 (2006.01) G01N 35/00 (2006.01) G06K 7/00 (2006.01) G06K 19/077 (2006.01)

[25] EN

[54] CRYOGENIC STORAGE TRANSPORTATION TRACKING SYSTEM

[54] SYSTEME DE SUIVI DE TRANSPORT EN STOCKAGE CRYOGENIQUE

[72] HUTCHINSON, MICHAEL, US
[72] TANSKY, JASON P., US
[71] JANSSEN BIOTECH, INC., US
[85] 2023-04-27
[86] 2021-10-28 (PCT/IB2021/059986)
[87] (WO2022/090997)
[30] US (63/107,021) 2020-10-29

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<p style="text-align: right;">[21] 3,199,980</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B01J 19/00 (2006.01) B29B 17/02 (2006.01) C08J 11/14 (2006.01)</p> <p>[25] EN</p> <p>[54] REACTOR ARRANGEMENT AND METHOD FOR DECOMPOSING OBJECTS CONSISTING OF PLASTIC-BASED COMPOSITE MATERIALS</p> <p>[54] SYSTEME DE REACTEUR ET PROCEDE POUR DECOMPOSER DES OBJETS CONSTITUES DE MATERIAUX COMPOSITES A BASE DE PLASTIQUE</p> <p>[72] DREWES, THOMAS, DE</p> <p>[72] THIEL, KARL HEINZ, DE</p> <p>[71] HANSEATIC ROHR GMBH, DE</p> <p>[85] 2023-04-27</p> <p>[86] 2021-10-22 (PCT/EP2021/079343)</p> <p>[87] (WO2022/090079)</p> <p>[30] DE (10 2020 128 587.6) 2020-10-30</p>	<p style="text-align: right;">[21] 3,200,005</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06F 3/0482 (2013.01) G05B 19/042 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR STARTING UP AN ACTUATOR</p> <p>[54] PROCEDE DE MISE EN SERVICE D'UN MECANISME DE COMMANDE</p> <p>[72] BRUCH, DENNIS, DE</p> <p>[72] MALUS, PETER, DE</p> <p>[72] BECHER, JURGEN, DE</p> <p>[71] AUMA RIESTER GMBH & CO. KG, DE</p> <p>[85] 2023-04-27</p> <p>[86] 2021-10-25 (PCT/EP2021/079527)</p> <p>[87] (WO2022/090148)</p> <p>[30] DE (10 2020 128 240.0) 2020-10-27</p>	<p style="text-align: right;">[21] 3,200,013</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61B 50/20 (2016.01) A61B 50/00 (2016.01) A61B 50/22 (2016.01) A61B 50/33 (2016.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS, APPLICATORS, AND METHODS FOR ADMINISTERING MULTIPLE ALLERGENS INTO THE SKIN OF A PATIENT</p> <p>[54] SYSTEMES, APPLICATEURS ET PROCEDES POUR ADMINISTRER DE MULTIPLES ALLERGENES DANS LA PEAU D'UN PATIENT</p> <p>[72] PRINCE, TY L., US</p> <p>[71] PRINCE, TY L., US</p> <p>[85] 2023-04-27</p> <p>[86] 2021-10-28 (PCT/US2021/056965)</p> <p>[87] (WO2022/094020)</p> <p>[30] US (63/106,793) 2020-10-28</p> <p>[30] US (63/171,995) 2021-04-07</p> <p>[30] US (63/177,515) 2021-04-21</p> <p>[30] US (17/402,413) 2021-08-13</p> <p>[30] US (17/468,132) 2021-09-07</p>
<p style="text-align: right;">[21] 3,199,989</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61N 1/36 (2006.01) A61N 1/40 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS AND SYSTEMS FOR MODIFYING EMPATHY BY MODULATING TYPE 2 THETA OSCILLATIONS</p> <p>[54] PROCEDES ET SYSTEMES POUR MODIFIER L'EMPATHIE PAR MODULATION D'OSCILLATIONS THETA DE TYPE 2</p> <p>[72] LEE, JIN HYUNG, US</p> <p>[72] SHIN, HEE-SUP, KR</p> <p>[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US</p> <p>[71] INSTITUTE FOR BASIC SCIENCE, KR</p> <p>[85] 2023-03-23</p> <p>[86] 2021-09-30 (PCT/US2021/052997)</p> <p>[87] (WO2022/072716)</p> <p>[30] US (63/086,514) 2020-10-01</p>	<p style="text-align: right;">[21] 3,200,011</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C07K 14/71 (2006.01)</p> <p>[25] EN</p> <p>[54] NEW SPLICE VARIANT ISOFORM OF VEGF</p> <p>[54] NOUVELLE ISOFORME DE VARIANT D'EPISSAGE DU VEGF</p> <p>[72] PAGES, GILLES, MC</p> <p>[72] DURIVAUULT, JEROME, FR</p> <p>[72] MONTEMAGNO, CHRISTOPHER, FR</p> <p>[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR</p> <p>[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR</p> <p>[71] UNIVERSITE COTE D'AZUR, FR</p> <p>[85] 2023-04-27</p> <p>[86] 2021-10-28 (PCT/EP2021/080033)</p> <p>[87] (WO2022/090414)</p> <p>[30] EP (20204454.1) 2020-10-28</p>	<p style="text-align: right;">[21] 3,200,016</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C12N 15/113 (2010.01) C12N 9/22 (2006.01)</p> <p>[25] EN</p> <p>[54] COMPOSITIONS COMPRISING AN RNA GUIDE TARGETING TRAC AND USES THEREOF</p> <p>[54] COMPOSITIONS COMPRENANT UN GUIDE ARN CIBLANT TRAC ET LEURS UTILISATIONS</p> <p>[72] WESSELLS, QUINTON NORMAN, US</p> <p>[72] HASWELL, JEFFREY RAYMOND, US</p> <p>[72] DITOMMASO, TIA MARIE, US</p> <p>[72] JAKIMO, NOAH MICHAEL, US</p> <p>[71] ARBOR BIOTECHNOLOGIES, INC., US</p> <p>[85] 2023-04-27</p> <p>[86] 2021-10-29 (PCT/US2021/057404)</p> <p>[87] (WO2022/094313)</p> <p>[30] US (63/107,932) 2020-10-30</p> <p>[30] US (63/252,833) 2021-10-06</p>

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<p>[21] 3,200,019</p> <p>[13] A1</p> <p>[51] Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) C12N 9/22 (2006.01) C12N 15/10 (2006.01)</p> <p>[25] EN</p> <p>[54] COMPOSITIONS COMPRISING AN RNA GUIDE TARGETING PDCD1 AND USES THEREOF</p> <p>[54] COMPOSITIONS COMPRENNANT UN GUIDE D'ARN CIBLANT PDCD1 ET LEURS UTILISATIONS</p> <p>[72] WESSELLS, QUINTON NORMAN, US</p> <p>[72] HASWELL, JEFFREY RAYMOND, US</p> <p>[72] DITOMMASO, TIA MARIE, US</p> <p>[72] JAKIMO, NOAH MICHAEL, US</p> <p>[71] ARBOR BIOTECHNOLOGIES, INC., US</p> <p>[85] 2023-04-27</p> <p>[86] 2021-10-29 (PCT/US2021/057432)</p> <p>[87] (WO2022/094329)</p> <p>[30] US (63/108,053) 2020-10-30</p> <p>[30] US (63/252,835) 2021-10-06</p>

<p>[21] 3,200,020</p> <p>[13] A1</p> <p>[51] Int.Cl. H04L 9/08 (2006.01) H04L 9/32 (2006.01)</p> <p>[25] EN</p> <p>[54] ENCRYPTED MESSAGE DETECTION METHOD AND PROTECTIVE DEVICE</p> <p>[54] PROCEDE DE DETECTION DE MESSAGE CHIFFRE ET DISPOSITIF DE PROTECTION</p> <p>[72] HE, XINQIAN, CN</p> <p>[71] HUAWEI TECHNOLOGIES CO., LTD., CN</p> <p>[85] 2023-04-26</p> <p>[86] 2021-04-20 (PCT/CN2021/088501)</p> <p>[87] (WO2022/088621)</p> <p>[30] CN (202011155469.4) 2020-10-26</p> <p>[30] CN (202011377786.0) 2020-11-30</p>

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[21] 3,200,096
[13] A1

[51] Int.Cl. G05D 1/02 (2020.01) A01D
34/00 (2006.01)
[25] EN
[54] INTELLIGENT MOWER AND SMART MOWING SYSTEM
[54] TONDEUSE INTELLIGENTE ET SYSTEME DE TONTE INTELLIGENT
[72] CHEN, WEIPENG, CN
[72] YANG, DEZHONG, CN
[71] NANJING CHERVON INDUSTRY CO., LTD., CN
[85] 2023-04-27
[86] 2020-12-10 (PCT/CN2020/135252)
[87] (WO2022/120713)

[21] 3,200,097
[13] A1

[51] Int.Cl. G06N 10/40 (2022.01) B82Y 10/00 (2011.01) H01P 7/08 (2006.01)
[25] EN
[54] QUANTUM PROCESSING UNIT COMPRISING ONE OR MORE SUPERCONDUCTING QUBITS BASED ON PHASE-BIASED LINEAR AND NON-LINEAR INDUCTIVE-ENERGY ELEMENTS
[54] UNITE DE TRAITEMENT QUANTIQUE COMPRENANT UN OU PLUSIEURS BITS QUANTIQUES SUPRACONDUCTEURS A BASE D'ELEMENTS D'ENERGIE INDUCTIVE LINEAIRE ET NON LINEAIRE A POLARISATION DE PHASE
[72] HYPPA, ERIC, FI
[72] MOTTONEN, MIKKO, FI
[72] HASSEL, JUHA, FI
[72] TUORILA, JANI, FI
[71] IQM FINLAND OY, FI
[85] 2023-04-27
[86] 2021-12-14 (PCT/FI2021/050872)
[87] (WO2022/129693)
[30] EP (20213787.3) 2020-12-14

[21] 3,200,098
[13] A1

[51] Int.Cl. A61B 17/80 (2006.01)
[25] EN
[54] BONE PLATES HAVING MULTI-USE SCREW HOLES FOR LOCKING AND COMPRESSION SCREWS
[54] PLAQUES OSSEUSES AYANT DES TROUS DE VIS A USAGES MULTIPLES POUR DES VIS DE VERROUILLAGE ET DE COMPRESSION
[72] AEBI, THIS, CH
[72] ROCCI, MIRKO, CH
[72] OBERLI, JOEL, CH
[71] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2023-04-27
[86] 2021-10-15 (PCT/IB2021/059521)
[87] (WO2022/090856)
[30] US (63/107,699) 2020-10-30

[21] 3,200,102
[13] A1

[51] Int.Cl. C10M 169/04 (2006.01)
[25] EN
[54] LUBRICATING OIL COMPOSITION WITH RENEWABLE BASE OIL, HAVING LOW SULFUR AND SULFATED ASH CONTENT AND CONTAINING MOLYBDENUM AND BORON COMPOUNDS
[54] COMPOSITION D'HUILE LUBRIFIANTE AVEC UNE HUILE DE BASE RENOUVELABLE, AYANT UNE FAIBLE TENEUR EN SOUFRE ET EN CENDRES SULFATEES ET CONTENANT DES COMPOSES DE MOLYBDENE ET DE BORE
[72] VAN DAM, WILLEM, US
[72] PATEL, MIHIR K., US
[71] CHEVRON U.S.A. INC., US
[85] 2023-04-27
[86] 2021-10-27 (PCT/IB2021/059908)
[87] (WO2022/090946)
[30] US (63/106,538) 2020-10-28

[21] 3,200,103
[13] A1

[51] Int.Cl. C07K 7/08 (2006.01) C07K 7/54 (2006.01) C07K 7/64 (2006.01)
[25] EN
[54] MASP INHIBITORY COMPOUNDS AND USES THEREOF
[54] COMPOSES INHIBITEURS DE MASP ET LEURS UTILISATIONS
[72] BIERER, DONALD, DE
[72] FLAMME, INGO, DE
[72] ZUBOV, DMITRY, DE
[72] NEUBAUER, THOMAS, DE
[72] TERSTEEGEN, ADRIAN, DE
[72] BAUMANN, LARS, DE
[72] JUHL, CATHLEEN, DE
[72] GLATZ, MARIE, DE
[72] DREHER, JAN, DE
[72] HOLTON, SIMON, DE
[72] XIONG, JIANCHENG, CN
[72] XU, JIANCHAO, CN
[71] BAYER AKTIENGESELLSCHAFT, DE
[71] BAYER PHARMA AKTIENFESELLSCHAFT, DE
[85] 2023-05-01
[86] 2021-10-29 (PCT/EP2021/080123)
[87] (WO2022/096394)
[30] CN (PCT/CN2020/126469) 2020-11-04
[30] EP (20213678.4) 2020-12-14

[21] 3,200,105
[13] A1

[51] Int.Cl. A61K 31/352 (2006.01) A61P 25/04 (2006.01) A61P 25/28 (2006.01) C07D 311/80 (2006.01)
[25] EN
[54] THC DERIVATIVES, ORAL DOSAGE FORMS COMPRISING SAME, USES THEREOF FOR TREATING DISEASES AND DISORDERS AND SYNTHESIS THEREOF
[54] DERIVES DE THC, FORMES GALENIQUES ORALES LES COMPRENANT, LEURS UTILISATIONS DANS LE TRAITEMENT DE MALADIES ET DE TROUBLES, ET LEUR SYNTHESE
[72] ALBECK, AMNON, IL
[72] WOLFMAN, JACOB, IL
[72] EYAL, NADAV, IL
[71] BAR-ILAN UNIVERSITY, IL
[71] EYBNA TECHNOLOGIES LTD., IL
[85] 2023-04-27
[86] 2021-10-28 (PCT/IL2021/051279)
[87] (WO2022/091098)
[30] US (63/108,385) 2020-11-01

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[13] A1

- [51] Int.Cl. B65D 45/32 (2006.01)
 - [25] EN
 - [54] **PATTERED CAN END MODULAR DISPENSING SYSTEMS WITH ENHANCED RECYCLABILITY**
 - [54] **SYSTEMES DE DISTRIBUTION MODULAIRES D'EXTREMITE DE CANETTES A MOTIFS DOTES D'UNE APTITUDE AU RECYCLAGE AMELIOREE**
 - [72] PAGET, NICHOLAS GUY, SE
 - [72] MURDOCH, ROSS GRAHAM, SE
 - [72] BATCHELOR, MATTHEW ERIC, GB
 - [72] DU PREEZ, ALEXANDER PIERRE, GB
 - [71] C-LOOP PACKAGING SWEDEN AB, SE
 - [85] 2023-04-28
 - [86] 2021-10-30 (PCT/IB2021/060067)
 - [87] (WO2022/091044)
 - [30] US (63/107,603) 2020-10-30
 - [30] US (63/202,205) 2021-06-01
 - [30] US (63/202,206) 2021-06-01
 - [30] US (63/202,207) 2021-06-01
 - [30] US (63/202,215) 2021-06-01
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[21] 3,200,109

[13] A1

- [51] Int.Cl. A61M 13/00 (2006.01) A61M 15/00 (2006.01)
- [25] EN
- [54] **DRUG INHALER AND COUNTER MECHANISM**
- [54] **INHALATEUR DE MEDICAMENT ET MECANISME COMPTEUR**
- [72] ONO, SHINICHI, JP
- [71] NIPPHERMA CO., LTD., JP
- [85] 2023-04-27
- [86] 2021-10-12 (PCT/JP2021/037783)
- [87] (WO2022/107502)
- [30] JP (2020-192801) 2020-11-19

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[13] A1

- [51] Int.Cl. A61K 31/4045 (2006.01) A61K 31/437 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61K 31/4545 (2006.01) A61K 31/506 (2006.01) A61K 31/5377 (2006.01) A61P 31/14 (2006.01) C07D 209/18 (2006.01) C07D 401/14 (2006.01) C07D 403/04 (2006.01) C07D 403/14 (2006.01) C07D 405/12 (2006.01) C07D 405/14 (2006.01) C07D 409/14 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 471/10 (2006.01) C07D 487/04 (2006.01) C07D 491/107 (2006.01) C07D 491/20 (2006.01) C07D 495/10 (2006.01) C07D 519/00 (2006.01)

[25] EN

- [54] **AMIDE DERIVATIVE HAVING ANTIVIRAL ACTIVITY**

- [54] **DERIVE D'AMIDE AYANT UNE ACTIVITE ANTIVIRALE**

- [72] OKANO, AZUSA, JP
- [72] TATENO, YUSUKE, JP
- [72] NODU, KOUHEI, JP
- [72] SUZUKI, SHINJI, JP
- [72] AKIYAMA, TOSHIYUKI, JP
- [72] MATOYAMA, MASAAKI, JP
- [72] AKAZA, HIROTO, JP
- [72] FUKUDA, TAKASHI, JP
- [71] SHIONOGI & CO., LTD., JP
- [71] UBE CORPORATION, JP
- [85] 2023-04-27
- [86] 2021-10-27 (PCT/JP2021/039623)
- [87] (WO2022/092141)
- [30] JP (2020-180856) 2020-10-28

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[13] A1

- [51] Int.Cl. B01J 2/04 (2006.01) B41J 2/165 (2006.01) B41J 2/17 (2006.01)
 - [25] EN
 - [54] **LIQUID DROPLET-FORMING DEVICE AND FINE PARTICLE-MANUFACTURING DEVICE**
 - [54] **DISPOSITIF DE FORMATION DE GOUTTELETTES DE LIQUIDE ET DISPOSITIF DE FABRICATION DE PARTICULES FINES**
 - [72] OHSHIMA, HISAYOSHI, JP
 - [72] SATO, YUICHI, JP
 - [72] AOKI, SHINJI, JP
 - [72] SHINOHARA, SATOSHI, JP
 - [72] IWATA, SHUUSUKE, JP
 - [71] RICOH COMPANY, LTD., JP
 - [85] 2023-04-27
 - [86] 2021-10-28 (PCT/JP2021/039860)
 - [87] (WO2022/092218)
 - [30] JP (2020-183144) 2020-10-30
 - [30] JP (2021-083324) 2021-05-17
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- [51] Int.Cl. C12N 15/09 (2006.01) C12Q 1/6806 (2018.01) C40B 40/06 (2006.01)
- [25] EN
- [54] **RNA PROBE FOR MUTATION PROFILING AND USE THEREOF**
- [54] **SONDE D'ARN POUR PROFILAGE DE MUTATION ET SON UTILISATION**
- [72] KOMATSU, RICHARD KAORU, JP
- [72] URTEL, GEORG CHRISTIAN, JP
- [72] EDELEVA, EVGENIIA, JP
- [71] XFOREST THERAPEUTICS CO., LTD., JP
- [85] 2023-04-27
- [86] 2021-11-17 (PCT/JP2021/042250)
- [87] (WO2022/107814)
- [30] JP (2020-191550) 2020-11-18

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 - [25] EN
 - [54] PLANAR HEATING COMPOSITE SHEET
 - [54] FEUILLE COMPOSITE CHAUFFANTE PLANE
 - [72] OCK, CHANGKWON, KR
 - [71] INNOROAD CORP., KR
 - [85] 2023-04-27
 - [86] 2020-12-07 (PCT/KR2020/017723)
 - [87] (WO2022/045473)
 - [30] KR (10-2020-0109933) 2020-08-31
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[13] A1

- [51] Int.Cl. B60P 1/32 (2006.01) B60P 1/16 (2006.01)
 - [25] EN
 - [54] A FRAME FOR A VEHICLE
 - [54] CADRE POUR UN VEHICULE
 - [72] KENDALL, JEFFREY, AU
 - [72] KENDALL, SIMON JEFFREY, AU
 - [71] VICTORIAN HYDRAULICS PTY LTD, AU
 - [85] 2023-04-28
 - [86] 2020-10-28 (PCT/AU2020/051159)
 - [87] (WO2021/087553)
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[13] A1

- [51] Int.Cl. C22B 11/00 (2006.01) C22B 3/42 (2006.01) C22B 3/46 (2006.01)
 - [25] EN
 - [54] PROCESS FOR RECOVERING PRECIOUS METAL FROM AN AQUEOUS SOLUTION
 - [54] PROCESSEUR POUR LA RECUPERATION D'UN METAL PRECIEUX A PARTIR D'UNE SOLUTION AQUEUSE
 - [72] DAI, XIANWEN, AU
 - [71] CLEAN MINING PTY LTD, AU
 - [85] 2023-04-28
 - [86] 2021-10-29 (PCT/AU2021/051265)
 - [87] (WO2022/087676)
 - [30] AU (2020903947) 2020-10-30
 - [30] AU (AU2020904475) 2020-12-03
 - [30] AU (AU2020904771) 2020-12-21
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[21] 3,200,124
[13] A1

- [51] Int.Cl. G06Q 50/08 (2012.01) G06F 16/20 (2019.01) G06F 30/13 (2020.01)
 - [25] EN
 - [54] PARAMETER BASED CONSTRUCTION
 - [54] CONSTRUCTION PARAMETRIQUE
 - [72] ELLEN, MURRAY EDINGTON, AU
 - [71] PT BLINK LIMITED, AU
 - [85] 2023-04-28
 - [86] 2021-10-29 (PCT/AU2021/051269)
 - [87] (WO2022/087678)
 - [30] AU (2020903921) 2020-10-29
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[21] 3,200,131
[13] A1

- [51] Int.Cl. A61M 39/10 (2006.01) A61M 39/12 (2006.01)
 - [25] EN
 - [54] CATHETER ADAPTER SYSTEM FOR PROXIMALLY TRIMMABLE CATHETER
 - [54] SYSTEME D'ADAPTATEUR DE CATHETER POUR CATHETER RETRECISABLE AU NIVEAU PROXIMAL
 - [72] FEDOR, BRENDA L. F., US
 - [72] STATS, JASON R., US
 - [72] FORSYTH, BRADLEY, US
 - [72] GOOCH, NATHAN, US
 - [72] MATHEWS ROUNDY, JESSICA, US
 - [72] CARTMILL, TOMAS JORDAN, US
 - [72] DENSLEY, BRYON RAY, US
 - [71] BARD PERIPHERAL VASCULAR, INC., US
 - [85] 2023-04-28
 - [86] 2020-11-20 (PCT/US2020/061600)
 - [87] (WO2022/108597)
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[21] 3,200,132
[13] A1

- [51] Int.Cl. A61K 9/08 (2006.01) A61K 31/12 (2006.01) A61K 31/415 (2006.01) A61K 31/74 (2006.01)
 - [25] EN
 - [54] AQUEOUS FORMULATIONS OF WATER INSOLUBLE COX-2 INHIBITORS
 - [54] FORMULATIONS AQUEUSES D'INHIBITEURS DE COX-2 INSOLUBLES DANS L'EAU
 - [72] SIPPY, BRADFORD C., US
 - [72] SKWIERCZYNKI, RAYMOND D., US
 - [71] TREMEAU PHARMACEUTICALS, INC., US
 - [85] 2023-04-28
 - [86] 2021-10-27 (PCT/US2021/056878)
 - [87] (WO2022/093978)
 - [30] US (63/106,571) 2020-10-28
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[21] 3,200,134
[13] A1

- [51] Int.Cl. A61K 38/16 (2006.01) C07K 14/08 (2006.01)
- [25] EN
- [54] METHOD OF PURIFICATION OF RECOMBINANTLY-PRODUCED RSV PROTEINS IN TRIMERIC FORM
- [54] PROCEDE DE PURIFICATION DE PROTEINES DU VRS PRODUITES PAR RECOMBINAISON SOUS FORME TRIMERIQUE
- [72] CAI, PING, US
- [72] KOH, EUN HEE, US
- [72] VIDUNAS, EUGENE JOSEPH, US
- [72] WEAVER, MICHELE L., US
- [72] YE, XINHAO, US
- [72] YUAN, YONGHUI, US
- [72] ZHAO, JAY ZHIXING, US
- [71] PFIZER INC., US
- [85] 2023-04-28
- [86] 2021-07-22 (PCT/IB2021/056630)
- [87] (WO2022/023896)
- [30] US (63/056,949) 2020-07-27
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Demandes PCT entrant en phase nationale

<p>[21] 3,200,139 [13] A1</p> <p>[51] Int.Cl. A61B 18/20 (2006.01) H01S 3/23 (2006.01)</p> <p>[25] EN</p> <p>[54] LASER MODULE AND METHODS THEREOF</p> <p>[54] MODULE LASER ET PROCEDES ASSOCIES</p> <p>[72] MANNION, PAUL THOMAS, US</p> <p>[72] FRANKLIN, JEFF E., US</p> <p>[72] KNAPP, TRACEY E., US</p> <p>[71] C.R. BARD, INC., US</p> <p>[85] 2023-04-28</p> <p>[86] 2021-11-11 (PCT/US2021/059003)</p> <p>[87] (WO2022/108824)</p> <p>[30] US (63/116,021) 2020-11-19</p>

<p>[21] 3,200,140 [13] A1</p> <p>[51] Int.Cl. B01L 3/00 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR ADVANCING REACTIONS BETWEEN MULTIPLE CHAMBERS OF A TESTING DEVICE</p> <p>[54] SYSTEMES ET PROCEDES POUR FAIRE AVANCER DES REACTIONS ENTRE DE MULTIPLES CHAMBRES D'UN DISPOSITIF D'ESSAI</p> <p>[72] SCHAUSS, THOMAS E., US</p> <p>[72] YIN, PENG, US</p> <p>[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US</p> <p>[85] 2023-04-28</p> <p>[86] 2021-11-12 (PCT/US2021/059207)</p> <p>[87] (WO2022/104112)</p> <p>[30] US (63/112,751) 2020-11-12</p> <p>[30] US (63/124,919) 2020-12-14</p> <p>[30] US (63/126,701) 2020-12-17</p> <p>[30] US (63/191,205) 2021-05-20</p> <p>[30] US (63/270,350) 2021-10-21</p>

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<p>[21] 3,200,148 [13] A1</p> <p>[51] Int.Cl. C12N 5/10 (2006.01) C07K 16/10 (2006.01) C12N 15/85 (2006.01) C12P 21/02 (2006.01) G01N 33/569 (2006.01)</p> <p>[25] EN</p> <p>[54] ANTIBODY AGAINST NOVEL CORONAVIRUS, AND REAGENT AND KIT FOR DETECTING NOVEL CORONAVIRUS</p> <p>[54] ANTICORPS CONTRE LE NOUVEAU CORONAVIRUS, REACTIF POUR LA DETECTION DU NOUVEAU CORONAVIRUS, ET KIT DE TEST</p> <p>[72] CUI, PENG, CN</p> <p>[72] HE, ZHIQIANG, CN</p> <p>[72] MENG, YUAN, CN</p> <p>[72] ZHONG, DONGMEI, CN</p> <p>[72] LOU, WENJUAN, CN</p> <p>[72] FAN, LINGYUN, CN</p> <p>[71] FAPON BIOTECH INC., CN</p> <p>[85] 2023-04-28</p> <p>[86] 2021-09-10 (PCT/CN2021/117802)</p> <p>[87] (WO2022/089044)</p> <p>[30] CN (202011182628.X) 2020-10-29</p>

<p>[21] 3,200,150 [13] A1</p> <p>[51] Int.Cl. C12N 15/13 (2006.01) C07K 16/10 (2006.01) G01N 33/569 (2006.01) G01N 33/577 (2006.01)</p> <p>[25] EN</p> <p>[54] ANTIBODY AGAINST NOVEL CORONAVIRUS, AND TEST KIT FOR NOVEL CORONAVIRUS DETECTION</p> <p>[54] ANTICORPS DIRIGE CONTRE UN NOUVEAU CORONAVIRUS, ET KIT DE TEST POUR DETECTION DE NOUVEAU CORONAVIRUS</p> <p>[72] CUI, PENG, CN</p> <p>[72] HE, ZHIQIANG, CN</p> <p>[72] MENG, YUAN, CN</p> <p>[72] ZHONG, DONGMEI, CN</p> <p>[72] LOU, WENJUAN, CN</p> <p>[72] FAN, LINGYUN, CN</p> <p>[71] FAPON BIOTECH INC., CN</p> <p>[85] 2023-04-28</p> <p>[86] 2021-09-10 (PCT/CN2021/117805)</p> <p>[87] (WO2022/089045)</p> <p>[30] CN (202011179251.2) 2020-10-29</p>

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[51] Int.Cl. G06F 30/13 (2020.01)

[25] EN

[54] SYSTEMS AND METHODS FOR
POINT CLOUD SITE
COMMISSIONING

[54] SYSTEMES ET PROCEDES DE
MISE EN SERVICE SUR PLACE
DE NUAGE DE POINTS

[72] FUCHS, TIMOTHY, US

[72] BEAUMONT, CHRISTOPHER
LEIGH, US

[71] CROWN EQUIPMENT
CORPORATION, US

[85] 2023-04-28

[86] 2021-10-28 (PCT/US2021/057037)

[87] (WO2022/094070)

[30] US (63/107,693) 2020-10-30

[21] **3,200,152**

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[51] Int.Cl. C07K 16/08 (2006.01) C07K
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G01N 33/53 (2006.01)

[25] EN

[54] HIGH THROUGHPUT
IMMUNOASSAYS AND METHODS
FOR THE DETECTION OF SARS-
COV-2 ANTIGENS

[54] IMMUNOESSAIS A HAUT DEBIT
ET METHODES DE DETECTION
D'ANTIGENES DU SARS-COV-2

[72] HOSIMER, PHILIP, US

[72] NOESON, CHARLES A., US

[72] COLVIN, MICHAEL T., US

[72] BRUNNER, AMELIA, US

[72] CLARK, SIERRA, US

[72] CONTESTABLE, PAUL, US

[71] ORTHO-CLINICAL DIAGOSTICS,
INC., US

[85] 2023-04-28

[86] 2021-10-28 (PCT/US2021/057071)

[87] (WO2022/094095)

[30] US (63/106,830) 2020-10-28

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[25] EN	
[54] CLEAVABLE LIPIDS	
[54] LIPIDES CLIVABLES	
[72] HEARTLEIN, MICHAEL, US	
[72] GUILD, BRAYDON CHARLES, US	
[72] DEROSA, FRANK, US	
[72] ZHANG, JERRY CHI, US	
[71] TRANSLATE BIO, INC., US	
[22] 2012-06-08	
[41] 2012-12-13	
[62] 2,838,063	
[30] US (61/494,882) 2011-06-08	
[30] US (61/494,745) 2011-06-08	

[21] 3,198,976	[13] A1
[25] EN	
[54] METHODS AND SYSTEMS FOR TRAINING AND VALIDATING A PERCEPTION SYSTEM	
[54] PROCEDES ET SYSTEMES D'APPRENTISSAGE ET DE VALIDATION D'UN SYSTEME DE PERCEPTION	
[72] NEHMADI, YOUVAL, IL	
[72] BEN EZRA, SHAHAR, IL	
[72] MANGAN, SHMUEL, IL	
[72] WAGNER, MARK, IL	
[72] COHEN, ANNA, IL	
[72] AVITAL, ITZIK, IL	
[71] VAYAVISION SENSING LTD., IL	
[22] 2020-09-22	
[41] 2021-03-25	
[62] 3,155,593	
[30] US (62/903,846) 2019-09-22	

[21] 3,199,033	[13] A1
[25] EN	
[54] SYSTEMS AND METHODS FOR PROCESSING INPUT STREAMS OF CALENDAR APPLICATIONS	
[54] SYSTEMES ET PROCEDES DE TRAITEMENT DE FLUX D'ENTREE D'APPLICATIONS D'AGENDA	
[72] SHIGABUTDINOV, RUSLAN ALBERTOVICH, RU	
[71] SHIGABUTDINOV, RUSLAN ALBERTOVICH, RU	
[22] 2013-04-10	
[41] 2014-10-16	
[62] 2,909,155	

[21] 3,198,973	[13] A1
[51] Int.Cl. C30B 9/14 (2006.01) C01B 32/15 (2017.01) C01B 32/16 (2017.01) C01B 32/168 (2017.01) C01B 32/20 (2017.01) C25B 1/135 (2021.01) C25B 9/09 (2021.01) C25B 15/08 (2006.01)	
[25] EN	
[54] METHODS AND SYSTEMS FOR PRODUCTION OF DOPED CARBON NANOMATERIALS	
[54] PROCEDES ET SYSTEMES DE PRODUCTION DE NANOMATERIAUX DE CARBONE DOPÉS	
[72] LICHT, STUART, US	
[71] C2CNT LLC, US	
[22] 2018-02-21	
[41] 2018-08-30	
[62] 3,052,483	
[30] US (62/461,641) 2017-02-21	

[21] 3,199,029	[13] A1
[25] EN	
[54] SYRINGE DEVICES	
[54] DISPOSITIFS DE TYPE SERINGUE	
[72] ROLFS, BRYAN E., US	
[72] FLATHER, MARK J., US	
[72] DANIELS, KAREN K., US	
[72] MOLL, THOMAS, US	
[71] ADAMIS PHARMACEUTICALS CORPORATION, US	
[22] 2016-03-17	
[41] 2017-03-02	
[62] 2,995,810	
[30] US (62/209,272) 2015-08-24	
[30] US (62/235,984) 2015-10-01	

[21] 3,199,034	[13] A1
[25] EN	
[54] SYRINGE DEVICES	
[54] DISPOSITIFS DE TYPE SERINGUE	
[72] ROLFS, BRYAN E., US	
[72] FLATHER, MARK J., US	
[72] DANIELS, KAREN K., US	
[72] MOLL, THOMAS, US	
[71] ADAMIS PHARMACEUTICALS CORPORATION, US	
[22] 2016-03-17	
[41] 2017-03-02	
[62] 2,995,810	
[30] US (62/209,272) 2015-08-24	
[30] US (62/235,984) 2015-10-01	

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[21] 3,199,049
[13] A1

[25] EN
[54] FLOW REGULATING INHALER DEVICE
[54] DISPOSITIF INHALATEUR A REGULATION D'ECOULEMENT
[72] DAVIDSON, PERRY, IL
[72] SCHORR, AARON, IL
[72] SCHWARTZ, BINYAMIN, IL
[71] SYQE MEDICAL LTD., IL
[22] 2015-06-30
[41] 2016-01-07
[62] 2,953,082
[30] US (62/019,225) 2014-06-30
[30] US (62/035,588) 2014-08-11
[30] US (62/085,772) 2014-12-01
[30] US (62/086,208) 2014-12-02
[30] US (62/164,710) 2015-05-21

[21] 3,199,052
[13] A1

[25] EN
[54] POWER-SAVING ACTIVE BWP
[54] BWP ACTIVE A ECONOMIE D'ENERGIE
[72] YI, YUNJUNG, US
[72] DINAN, ESMAEL, US
[72] ZHOU, HUA, US
[72] PARK, KYUNGMIN, US
[72] JEON, HYOUNGSUK, US
[72] BABAEI, ALIREZA, US
[72] XU, KAI, US
[71] OFINNO, LLC, US
[22] 2020-03-30
[41] 2020-10-01
[62] 3,135,030
[30] US (62/825,684) 2019-03-28

[21] 3,199,064
[13] A1

[25] EN
[54] RESOURCE RESERVATION FOR SIDELINK COMMUNICATIONS
[54] RESERVATION DE RESSOURCES POUR COMMUNICATIONS SUR LIAISON LATÉRALE
[72] CHAE, HYUKJIN, US
[72] YI, YUNJUNG, US
[72] DINAN, ESMAEL HEJAZI, US
[72] HUI, BING, US
[71] OFINNO, LLC, US
[22] 2021-02-16
[41] 2021-08-19
[62] 3,171,340
[30] US (62/977,085) 2020-02-14

[21] 3,199,070
[13] A1

[51] Int.Cl. H04W 76/10 (2018.01) H04W 36/08 (2009.01) H04W 36/30 (2009.01) H04W 76/30 (2018.01) H04W 72/27 (2023.01)
[25] EN
[54] HANDOFFS BETWEEN ACCESS POINTS IN A WI-FI ENVIRONMENT
[54] TRANSFERTS ENTRE DES POINTS D'ACCÈS DANS UN ENVIRONNEMENT WI-FI
[72] SRIVASTAVA, PRAVEEN, US
[72] MANROA, ARUN, US
[72] BENCHEIKH, AHMED, US
[71] TIME WARNER CABLE ENTERPRISES LLC, US
[22] 2013-04-03
[41] 2013-10-17
[62] 3,116,823
[30] US (13/445,500) 2012-04-12

[21] 3,199,097
[13] A1

[25] EN
[54] AT-BIT SENSING OF ROCK LITHOLOGY
[54] DETECTION AU NIVEAU DU TREPAN DE LITHOLOGIE DE ROCHE
[72] HARVEY, PETER R., US
[71] HARVEY, PETER R., US
[22] 2020-04-22
[41] 2020-11-05
[62] 3,137,949
[30] US (62/839,900) 2019-04-29

[21] 3,199,111
[13] A1

[25] EN
[54] METHOD FOR DIAGNOSING A MOLECULAR PHENOTYPE OF A PATIENT SUFFERING FROM AN ILLNESS ACCCOMPANIED BY CHRONIC INFLAMMATION
[54] PROCEDE DE DIAGNOSTIC D'UN PHENOTYPE MOLECULAIRE CHEZ UN PATIENT SOUFFRANT D'UNE MALADIE S'ACCOMPAGNANT D'INFLAMMATIONS CHRONIQUES
[72] BILLE, JOACHIM, DE
[72] TUROWSKA, AGNIESZKA, DE
[71] STERNA BIOLOGICALS GMBH, DE
[22] 2013-09-04
[41] 2014-03-20
[62] 2,888,860
[30] EP (12184500.2) 2012-09-14

[21] 3,199,118
[13] A1

[25] EN
[54] VARIEGATED BUILDING PRODUCT AND METHOD
[54] PRODUIT DE CONSTRUCTION PANACHE ET PROCEDE
[72] SHAW, ROBERT D., US
[72] STUCKY, DAVID J., US
[72] ARBOGAST, TRAVIS R., US
[72] ELINSKI, RANDALL M., US
[72] STEFFES, STEPHEN W., US
[71] CERTAINTEED LLC, US
[22] 2014-03-10
[41] 2014-09-15
[62] 3,113,731
[30] US (61/794,479) 2013-03-15

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

<p style="text-align: right;">[21] 3,199,119 [13] A1</p> <p>[51] Int.Cl. A01C 1/06 (2006.01) B01F 23/30 (2022.01) B01F 25/20 (2022.01) B01F 25/431 (2022.01) B01F 33/82 (2022.01) B65G 49/00 (2006.01)</p> <p>[25] EN</p> <p>[54] MIXING AND DRYING CONVEYOR</p> <p>[54] TRANSPORTEUR DE MELANGE ET DE SECHAGE</p> <p>[72] EDELMAN, MATTHEW, US</p> <p>[72] KAEB, JASON, US</p> <p>[72] KAEB, PAUL, US</p> <p>[71] KSI CONVEYOR INC, US</p> <p>[22] 2020-07-29</p> <p>[41] 2021-02-04</p> <p>[62] 3,145,442</p> <p>[30] US (62/879,940) 2019-07-29</p>	<p style="text-align: right;">[21] 3,199,161 [13] A1</p> <p>[25] EN</p> <p>[54] MORE EFFICIENT POST-QUANTUM SIGNATURES</p> <p>[54] SIGNATURES POST-QUANTIQUES PLUS EFFICACES</p> <p>[72] MUKHERJEE, PRATYAY, US</p> <p>[72] CHEN, YILEI, US</p> <p>[72] GENISE, NICHOLAS, US</p> <p>[71] VISA INTERNATIONAL SERVICE ASSOCIATION, US</p> <p>[22] 2019-08-01</p> <p>[41] 2020-08-13</p> <p>[62] 3,129,118</p> <p>[30] US (62/803,325) 2019-02-08</p>	<p style="text-align: right;">[21] 3,199,205 [13] A1</p> <p>[25] EN</p> <p>[54] ANTI-BCMA CHIMERIC ANTIGEN RECEPTORS</p> <p>[54] RECEPTEURS D'ANTIGENES CHIMERIQUES ANTI-BCMA</p> <p>[72] ZHANG, YI, US</p> <p>[72] STEWART, C. ANDREW, US</p> <p>[72] KURTOGLU, METIN, US</p> <p>[72] KALAYOGLU, MURAT V., US</p> <p>[72] SINGER, MICHAEL S., US</p> <p>[71] CARTESIAN THERAPEUTICS, INC., US</p> <p>[22] 2020-03-13</p> <p>[41] 2020-09-24</p> <p>[62] 3,158,025</p> <p>[30] US (62/819,068) 2019-03-15</p>
<p style="text-align: right;">[21] 3,199,143 [13] A1</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR PROCESSING ANALYTE DATE AND GENERATING REPORTS</p> <p>[54] SYSTEMES ET PROCEDES POUR LE TRAITEMENT DE DONNEES D'ANALYTES ET LA GENERATION DE RAPPORTS</p> <p>[72] GREENE, ADAM R., US</p> <p>[72] SCHUMACHER, JUSTIN E., US</p> <p>[72] ROOT, DANIEL N., US</p> <p>[71] DEXCOM, INC., US</p> <p>[22] 2013-06-03</p> <p>[41] 2013-12-12</p> <p>[62] 2,867,334</p> <p>[30] US (61/655,991) 2012-06-05</p> <p>[30] US (13/788,375) 2013-03-07</p>	<p style="text-align: right;">[21] 3,199,172 [13] A1</p> <p>[51] Int.Cl. F24F 1/0087 (2019.01) F24F 11/63 (2018.01) F24F 6/00 (2006.01)</p> <p>[25] EN</p> <p>[54] HUMIDIFIER FOR A FAN COIL</p> <p>[54] HUMIDIFICATEUR POUR VENTILO-CONVECTEUR</p> <p>[72] CONRAD, WAYNE ERNEST, CA</p> <p>[72] CARD, SCOTT, CA</p> <p>[71] OMACHRON INTELLECTUAL PROPERTY INC., CA</p> <p>[22] 2020-07-29</p> <p>[41] 2022-01-29</p> <p>[62] 3,088,411</p>	<p style="text-align: right;">[21] 3,199,211 [13] A1</p> <p>[25] EN</p> <p>[54] OVERHEAD DOOR AND FRAME ASSEMBLY</p> <p>[54] ENSEMBLE DE PORTE BASCULANTE ET CADRE</p> <p>[72] SCHWEISS, MICHAEL L., US</p> <p>[71] SORREL QUARTERS, LLC, US</p> <p>[22] 2016-10-11</p> <p>[41] 2018-02-09</p> <p>[62] 2,944,757</p> <p>[30] US (15/232,447) 2016-08-09</p>
<p style="text-align: right;">[21] 3,199,145 [13] A1</p> <p>[25] EN</p> <p>[54] METHODS AND SYSTEMS FOR WEIGHING AND COLLECTING SOLID FOOD PRODUCTS</p> <p>[54] PROCEDES ET SYSTEMES DE PESAGE ET DE COLLECTE DE PRODUITS ALIMENTAIRES SOLIDES</p> <p>[72] HANSEN, HENNING INGEMANN, DK</p> <p>[71] CABINPLANT INTERNATIONAL A/S, DK</p> <p>[22] 2018-04-26</p> <p>[41] 2018-11-08</p> <p>[62] 3,061,821</p> <p>[30] EP (17169086.0) 2017-05-02</p>	<p style="text-align: right;">[21] 3,199,199 [13] A1</p> <p>[25] EN</p> <p>[54] PANEL</p> <p>[54] PANNEAU</p> <p>[72] KRALIC, JOHN, AU</p> <p>[72] CELEBAN, MICHAEL, AU</p> <p>[72] GALLATY, RODNEY, AU</p> <p>[72] KLEES, ROBERT, AU</p> <p>[72] HAMPTON, GLEN, AU</p> <p>[71] BLUESCOPE STEEL LIMITED, AU</p> <p>[22] 2018-11-26</p> <p>[41] 2019-05-31</p> <p>[62] 3,083,230</p> <p>[30] AU (2017904751) 2017-11-24</p>	<p style="text-align: right;">[21] 3,199,267 [13] A1</p> <p>[51] Int.Cl. C11B 9/00 (2006.01)</p> <p>[25] EN</p> <p>[54] PERFUME COMPOSITIONS</p> <p>[54] COMPOSITIONS DE PARFUM</p> <p>[72] BEHAN, JOHN MARTIN, GB</p> <p>[72] BEHAN, JOHN PAUL, GB</p> <p>[72] FERMOR SMALL, LESLIE EDWARD, GB</p> <p>[71] JOHNSON & JOHNSON CONSUMER INC., US</p> <p>[22] 2016-01-28</p> <p>[41] 2016-08-11</p> <p>[62] 2,974,825</p> <p>[30] US (62/110,747) 2015-02-02</p>

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<p style="text-align: right;">[21] 3,199,290 [13] A1</p> <p>[25] EN [54] SYSTEMS AND APPARATUSES FOR SOIL AND SEED MONITORING [54] SYSTEMES ET APPAREILS DE SURVEILLANCE DU SOL ET DES SEMENCES [72] STRNAD, MICHAEL, US [72] KATER, TIMOTHY, US [72] MORGAN, MATTHEW P., US [72] KOCH, DALE M., US [71] PRECISION PLANTING LLC, US [22] 2018-10-02 [41] 2019-04-11 [62] 3,075,884 [30] US (62/567,135) 2017-10-02 [30] US (62/625,855) 2018-02-02 [30] US (62/661,783) 2018-04-24</p>	<p style="text-align: right;">[21] 3,199,299 [13] A1</p> <p>[25] EN [54] SYSTEMS AND APPARATUSES FOR SOIL AND SEED MONITORING [54] SYSTEMES ET APPAREILS DE SURVEILLANCE DU SOL ET DES SEMENCES [72] STRNAD, MICHAEL, US [72] KATER, TIMOTHY, US [71] PRECISION PLANTING LLC, US [22] 2018-10-02 [41] 2019-04-11 [62] 3,075,884 [30] US (62/567,135) 2017-10-02 [30] US (62/625,855) 2018-02-02 [30] US (62/661,783) 2018-04-24</p>	<p style="text-align: right;">[21] 3,199,310 [13] A1</p> <p>[25] EN [54] SYSTEMS AND APPARATUSES FOR SOIL AND SEED MONITORING [54] SYSTEMES ET APPAREILS DE SURVEILLANCE DU SOL ET DES SEMENCES [72] STRNAD, MICHAEL, US [72] MORGAN, MATTHEW P., US [72] KOCH, DALE M., US [72] HODEL, JEREMY, US [71] PRECISION PLANTING LLC, US [22] 2018-10-02 [41] 2019-04-11 [62] 3,075,884 [30] US (62/567,135) 2017-10-02 [30] US (62/625,855) 2018-02-02 [30] US (62/661,783) 2018-04-24</p>
<p style="text-align: right;">[21] 3,199,293 [13] A1</p> <p>[51] Int.Cl. A47L 9/04 (2006.01) A47L 5/30 (2006.01) A47L 11/292 (2006.01)</p> <p>[25] EN [54] CLEANING APPARATUS WITH COMBING UNIT FOR REMOVING DEBRIS FROM CLEANING ROLLER [54] [72] THORNE, JASON B., US [72] MING, YAO, US [72] DER MARDEROSIAN, DANIEL R., US [72] MEYER, DANIEL, US [72] CLEARY, PATRICK, US [72] HOWES, GORDON, US [72] WU, DAVID, US [72] GAO, WENXIU, US [71] SHARKNINJA OPERATING LLC, US [22] 2018-04-20 [41] 2018-10-25 [62] 3,120,596 [30] US (15/492,320) 2017-04-20</p>	<p style="text-align: right;">[21] 3,199,300 [13] A1</p> <p>[25] EN [54] TOPICAL FORMULATION FOR BINDING TO DERMATOLOGICAL CANNABINOID RECEPTORS [54] FORMULATION TOPIQUE POUR LA LIAISON A DES RECEPTEURS CANNABINOÏDES DERMATOLOGIQUES [72] KADO, JESSICA, US [71] KADO, JESSICA, US [22] 2018-06-19 [41] 2018-12-27 [62] 3,068,259 [30] US (15/627,745) 2017-06-20</p>	<p style="text-align: right;">[21] 3,199,318 [13] A1</p> <p>[25] EN [54] APPARATUS AND METHOD FOR REPRODUCING A SPATIALLY EXTENDED SOUND SOURCE OR APPARATUS AND METHOD FOR GENERATING A BITSTREAM FROM A SPATIALLY EXTENDED SOUND SOURCE [54] APPAREIL ET PROCEDE DE REPRODUCTION D'UNE SOURCE SONORE ETENDUE SPATIALEMENT OU APPAREIL ET PROCEDE DE GENERATION D'UN FLUX BINAIRE A PARTIR D'UNE SOURCE SONORE ETENDUE SPATIALEME NT [72] HERRE, JUERGEN, DE [72] HABETS, EMANUEL, DE [72] SCHLECHT, SEBASTIAN, DE [72] ADAMI, ALEXANDER, DE [71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE [22] 2019-12-17 [41] 2020-06-25 [62] 3,123,982 [30] EP (18214182.0) 2018-12-19</p>
<p style="text-align: right;">[21] 3,199,306 [13] A1</p> <p>[25] EN [54] SYSTEMS AND APPARATUSES FOR SOIL AND SEED MONITORING [54] SYSTEMES ET APPAREILS DE SURVEILLANCE DU SOL ET DES SEMENCES [72] STRNAD, MICHAEL, US [72] KATER, TIMOTHY, US [72] KOCH, DALE M., US [72] MINARICH, NICHOLAS, US [72] LITWILLER, RILEY, US [71] PRECISION PLANTING LLC, US [22] 2018-10-02 [41] 2019-04-11 [62] 3,075,884 [30] US (62/567,135) 2017-10-02 [30] US (62/625,855) 2018-02-02 [30] US (62/661,783) 2018-04-24</p>		

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

<p style="text-align: right;">[21] 3,199,327</p> <p style="text-align: right;">[13] A1</p> <p>[25] EN [54] BIFIDOBACTERIUM ADOLESCENTIS STRAIN AND USES THEREOF [54] [72] KIM, DONG-HYUN, KR [72] HAN, MYUNG JOO, KR [71] UNIVERSITY-INDUSTRY COOPERATION GROUP OF KYUNG HEE UNIVERSITY, KR [71] NAVIPHARM CO, LTD, KR [22] 2018-09-28 [41] 2019-04-04 [62] 3,063,669 [30] KR (10-2017-0127422) 2017-09-29</p> <hr/> <p style="text-align: right;">[21] 3,199,343</p> <p style="text-align: right;">[13] A1</p> <p>[25] EN [54] COMPOSITIONS FOR CYP450 PHENOTYPING USING SALIVA SAMPLES [54] COMPOSITIONS POUR PHENOTYPAGE DE CYP450 AU MOYEN D'ECHANTILLONS DE SALIVE [72] MCGRAW, JOSEPH, US [72] GERHARDT, ARMIN HENRY, US [71] CONCORDIA UNIVERSITY INC., US [22] 2016-11-30 [41] 2017-06-08 [62] 3,006,645 [30] US (62/386,389) 2015-11-30</p> <hr/> <p style="text-align: right;">[21] 3,199,371</p> <p style="text-align: right;">[13] A1</p> <p>[25] EN [54] INNER-C-FORGING ASSEMBLY, FRONT AXLE ASSEMBLY AND MODIFICATION METHOD OF AN INTEGRAL FRONT AXLE ASSEMBLY [54] ASSEMBLAGE DE FORGEAGE EN C INTERIEUR, ASSEMBLAGE D'ESSIEU AVANT ET METHODE DE MODIFICATION D'UN ASSEMBLAGE D'ESSIEU AVANT INTEGRAL [72] DU, DEHUI, CN [72] FU, JIA, CN [71] SHANGHAI LINGHUO TRADING CO., LTD., CN [22] 2022-06-16 [41] 2022-12-18 [62] 3,163,584 [30] CN (202121371523.9) 2021-06-18 [30] CN (202110681408.X) 2021-06-18</p>	<p style="text-align: right;">[21] 3,199,372</p> <p style="text-align: right;">[13] A1</p> <p>[25] EN [54] SYSTEMS AND METHODS FOR ACTUATING A TRANSFORMER NEUTRAL BLOCKING SYSTEM [54] Systèmes et procédés d'actionnement d'un système de blocage de neutre de transformateur [72] FUCHS, GREG, US [72] JENSEN, WALLACE, US [72] JACKSON, DAVID BLAKE, US [72] FAXVOG, FREDERICK R., US [72] NORDLING, GALE, US [71] EMPRIMUS, LLC, US [22] 2016-01-06 [41] 2016-07-14 [62] 2,973,248 [30] US (62/100,395) 2015-01-06</p> <hr/> <p style="text-align: right;">[21] 3,199,379</p> <p style="text-align: right;">[13] A1</p> <p>[25] EN [54] APPARATUS AND METHOD FOR DECOPPLING A TUBE ASSEMBLY [54] [72] MORIKAWA, DAVID TARO, CA [72] WONG, MATTHEW, CA [72] JOHANNESON, MARK, CA [71] ATS CORPORATION, CA [22] 2021-02-25 [41] 2021-05-10 [62] 3,110,501</p> <hr/> <p style="text-align: right;">[21] 3,199,381</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A47L 13/58 (2006.01) A47L 13/24 (2006.01)</p> <p>[25] EN [54] MOP BUCKET FOR CLEANING AND SQUEEZING A FLAT MOP [54] SEAU DE LAVAGE POUR NETTOYER ET ESSORER UN BALAI A PLAT [72] HUANG, ZHIYONG, CN [71] CIXI BOSHENG PLASTIC CO., LTD, CN [22] 2017-05-11 [41] 2017-12-07 [62] 2,993,591 [30] CN (201620530924.7) 2016-06-04 [30] CN (201620853180.2) 2016-08-09 [30] CN (201720468446.6) 2017-04-30 [30] CN (201720468451.7) 2017-04-30 [30] CN (201720468452.1) 2017-04-30 [30] CN (201720468440.9) 2017-04-30</p>	<p style="text-align: right;">[21] 3,199,383</p> <p style="text-align: right;">[13] A1</p> <p>[25] EN [54] DEMAND RESPONSE IMPLEMENTED IN AN INFRASTRUCTURE HAVING A DC LINK [54] REPONSE PORTANT SUR UNE DEMANDE, MISE EN UVRE DANS UNE INFRASTRUCTURE COMPRENANT UNE LIAISON A COURANT CONTINU [72] TRUDEL, GILLES, CA [72] JASMIN, SIMON, CA [72] NORMANDIN, IRENEE, CA [71] BIPCO-SOFT R3 INC., BB [22] 2016-02-04 [41] 2016-08-11 [62] 2,975,965 [30] US (62/111,807) 2015-02-04</p> <hr/> <p style="text-align: right;">[21] 3,199,386</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B25B 13/06 (2006.01) B25B 13/48 (2006.01) F16D 3/26 (2006.01)</p> <p>[25] EN [54] UNIVERSAL JOINT TOOL ADAPTER ASSEMBLY [54] ASSEMBLAGE D'ADAPTATEUR D'OUTIL POUR JOINT UNIVERSEL [72] GAINES, PRESTON T., US [72] BASHLEBEN, CRAIG, US [71] SNAP-ON INCORPORATED, US [22] 2021-11-09 [41] 2022-05-12 [62] 3,138,312 [30] US (17/096,570) 2020-11-12</p>
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[21] **3,199,440**

[13] A1

[51] **Int.Cl. A47L 13/254 (2006.01) A47L
13/58 (2006.01)**

[25] EN

[54] **MOP BUCKET FOR CLEANING
AND SQUEEZING A FLAT MOP**

[54] **SEAU DE LAVAGE POUR
NETTOYER ET ESSORER UN
BALAI A PLAT**

[72] HUANG, ZHIYONG, CN

[71] CIXI BOSHENG PLASTIC CO., LTD,
CN

[22] 2017-05-11

[41] 2017-12-07

[62] 2,993,591

[30] CN (201620530924.7) 2016-06-04

[30] CN (201620853180.2) 2016-08-09

[30] CN (201720468446.6) 2017-04-30

[30] CN (201720468451.7) 2017-04-30

[30] CN (201720468452.1) 2017-04-30

[30] CN (201720468440.9) 2017-04-30

[21] **3,199,445**

[13] A1

[25] EN

[54] **COMPACT STEERING
MECHANISM**

[54] **MECANISME DE DIRECTION A
FAIBLE ENCOMBREMENT**

[72] HARRIS, BRIAN, US

[72] RAUCH, ROBERT, US

[72] SEAL, JOHN, US

[71] ARTIC CAT INC., US

[22] 2013-04-17

[41] 2013-10-20

[62] 3,139,476

[30] US (13/452,085) 2012-04-20

[21] **3,199,555**

[13] A1

[25] EN

[54] **BRAKE CONTROLLER FOR A
TOWED VEHICLE WITH
COMBINED BRAKE AND TURN
LIGHTS**

[54]

[72] FOSDIKE, TIMOTHY, AU

[72] KUCHEL, NATHAN, AU

[71] REDARC TECHNOLOGIES PTY
LTD, AU

[22] 2021-09-24

[41] 2022-04-01

[30] US (63/086,203) 2020-10-01

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		CANNELL, JONATHON	3,196,726	CERPENTIER, TIM	3,196,570
		CANNELL, JONATHON	3,196,460	CERQUEIRA, CARLA SUSANA	3,199,943
		CANNELL, JONATHON	3,199,595	CH-POLYMERS OY	3,196,782
		CANNELL, JONATHON	3,199,596	CHAKRABORTY, TIRTHA	3,199,623

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CHAN ZUCKERBERG		CHIEN, JUNG-FU	3,199,781	ETABLISSEMENTS
BIOHUB, INC.	3,196,872	CHINA PETROLEUM &		MICHELIN
CHAN, CHARLES CHI CHUEN	3,196,601	CHEMICAL		3,196,528
CHAN, DANNY	3,196,957	CORPORATION	3,196,784	COMPAGNIE GENERALE DES
CHANDE, KRUNAL KETAN	3,199,759	CHINA PETROLEUM &		ETABLISSEMENTS
CHANDE, KRUNAL KETAN	3,199,763	CHEMICAL		MICHELIN
CHANG, CHIA-WEI	3,196,545	CORPORATION	3,199,797	3,196,751
CHANG, CHIA-WEI	3,196,555	CHINA PETROLEUM &		COMPAGNIE GENERALE DES
CHANG, CHING-HSIANG	3,196,471	CHEMICAL		ETABLISSEMENTS
CHANG, CHUCK	3,196,370	CORPORATION	3,199,800	MICHELIN
CHANG, MATTHEW WOOK	3,196,613	CHIRIAC, MARIA IRINA	3,196,901	COMPOSECURE, LLC
CHANGCHUN JETTY		CHO, TAE KEUN	3,196,901	3,196,905
AUTOMOTIVE		CHO, YOUNG DAE	3,196,459	CONN, GUANG-TING
TECHNOLOGY CO., LTD.	3,196,602	CHOHAN, KAMALDEEP K.	3,196,459	3,196,692
CHANGCHUN JETTY		CHORRO, LAURENT OLIVER	3,196,916	CONN, P. JEFFREY
AUTOMOTIVE		CHRISTIAENS, QUINTEN	3,199,610	3,199,786
TECHNOLOGY CO., LTD.	3,196,659	CHRISTIAN, THOMAS	3,196,687	CONNORS, KRISTA J.
CHANGCHUN JETTY		CHU, YU-WAYE	3,199,745	3,196,756
AUTOMOTIVE		CHUA, KOON JIEW	3,196,191	CONTESTABLE, PAUL
TECHNOLOGY CO., LTD.	3,196,664	CHUA, LORRAINE	3,196,613	3,200,152
CHANGCHUN JETTY		CHURCH, KEVIN	3,196,459	CONTINENTAL REIFEN
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TECHNOLOGY CO., LTD.	3,196,680	CLACK, HEREK L.	3,199,687	3,196,867
CHANGCHUN JETTY		CLARK, BENJAMIN	3,196,687	CONTRERAS, ALEXANDER
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TECHNOLOGY CO., LTD.	3,196,722	CLARK, MARTIN	3,196,191	3,196,700
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CHANGSHA HEIJINGANG		CLEAN MINING PTY LTD	3,196,485	3,199,780
INDUSTRIAL CO., LTD	3,196,447	CLEARWELL ENERGY	3,196,554	COR, OLIVIER
CHART INC.	3,196,575	HOLDINGS LIMITED	3,196,849	CORETEQ SYSTEMS LIMITED
CHART INC.	3,196,578	CLOUTIER, FRANCIS	3,196,554	3,196,771
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CHASE, CLARENCE E.	3,196,235	COAVE THERAPEUTICS	3,196,524	CORNERSTONE
CHATRATH, PRATIK SANJAY	3,196,716	COBB, JAMES HOWELL	3,196,437	PHARMACEUTICALS,
CHAU, JOCELYN	3,199,694	COBB, THOMAS ANDREW	3,200,152	INC.
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CHELUR, DATTANANDA	3,199,839	COHEN, BENJAMIN	3,200,122	CORREIA, JEAN DA SILVA
CHEN, ANDREW XIAN	3,196,536	COHEN, BENJAMIN	3,196,582	3,196,493
CHEN, HUYUN	3,190,005	COHEN, BENJAMIN	3,196,849	CORRIERI, NICHOLAS
CHEN, JING	3,196,484	COHEN, BENJAMIN	3,196,554	3,196,696
CHEN, JUNHUA	3,196,866	COHEN, OURI	3,196,785	CORRIGAN, DAMION K.
CHEN, MENGZHU	3,196,635	COLE, JEAN-PIERRE J.	3,196,852	3,196,735
CHEN, NA	3,196,755	COLGATE-PALMOLIVE	3,196,437	CORTELYOU, ROBERT
CHEN, WEIPENG	3,200,096	COMPANY	3,196,883	3,196,716
CHEN, WEN	3,196,516	COLLINS, LEO GUADALUPE	3,196,660	COURCHAINE, WILFRED
CHEN, XI	3,196,191	COLVIN, MICHAEL T.	3,196,597	3,196,253
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CHEN, XUEMEI	3,196,558	EXOBLAST CHILE SPA	3,196,785	3,196,437
CHEN, YIQING	3,196,789	COMMISSARIAT A L'ENERGIE	3,196,852	COX, COREY
CHEN, YIQUN	3,196,629	ATOMIQUE ET AUX	3,196,852	3,196,716
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CHEN, YONGWEI	3,196,898	ALTERNATIVES	3,196,776	3,196,799
CHEN, YUE	3,196,484	COMMISSARIAT A L'ENERGIE	3,196,977	LUDOVICA
CHEN, ZHUI	3,196,068	ATOMIQUE ET AUX	3,196,957	CREVIER, SYLVAIN
CHEN, ZHUI	3,196,367	ENERGIES	3,196,850	3,196,662
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CHESSER, BRIAN SCOTT	3,200,095	INDUSTRIAL RESEARCH	3,199,764	3,196,423
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			3,200,152	CHRISTOPHER
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DEBAECKER, SIMON	3,196,479	DONATO, PAOLA AGATA	3,199,943	EDWARDS LIFESCIENCES	
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DEL CASTILLO, JORGE AUGUSTO	3,199,754	DORWART, MICHAEL	3,196,437	EKBLAD, MARIA	3,196,679
DELAGRAVE, SIMON	3,199,750	DOSHI, JITEN	3,196,729	EL-ASSAAD, CARLA	3,196,390
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DELAVAL HOLDING AB	3,196,463	TECHNOLOGIES LLC	3,196,852	ELI LILLY AND COMPANY	3,196,475
DELAVAL HOLDING AB	3,196,548	DRAKOULIS, NIKOLAOS	3,196,593	ELLEN, MURRAY EDINGTON	3,200,124
DELAVAL HOLDING AB	3,196,665	DRANOFF, GLENN	3,199,839	ELLIOT, TIMOTHY	3,196,585
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DEN BOER, NIEK MARIJN	3,199,957	DREWES, THOMAS	3,199,980	ELLISON ENVIRONMENTAL	
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DENSLEY, BRYON RAY	3,200,131	DUMOULIN, PIERRE	3,196,769	EMPL, GUNTER	3,196,468
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DEPUY SYNTHES PRODUCTS, INC.	3,200,098	DUNLOP, MARSHALL	3,196,540	ENBLOM, SAMUEL	3,196,426
DESAI, PRASHANT JANAKRAI	3,196,741	DUPERRAY, PHILIPPE JEAN	3,199,933	ENERO INVENTIONS	3,199,954
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DEVARY, YORAM	3,196,886	DUPERRAY, PHILIPPE JEAN	3,196,543	(SUZHOU) CO., LTD.	3,196,374
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GAVILLET, GILLES	3,196,480	GOEPFERT, SIMON	3,196,772	GUO, YUCHEN	3,199,592
GEA TDS GMBH	3,196,790	GOINS, ALLISON NICOLE	3,196,601	GUPTA, DEEPAK	3,199,766
GEAGEA, KAMEL M.	3,196,862	GOLD, DANIEL	3,196,778	GUPTA, KISHAN	3,195,582
GEGE, CHRISTIAN	3,196,645	GOLDMANN, FELIX	3,196,473	GUPTA, SUNEEL	3,196,650
GEIGER, ROBERT A.	3,196,761	GOMEZ, ALEX	3,196,350	GUPTA, VIKRAM MAKAM	3,199,778
GEIGER, STEVEN CHARLES	3,196,591	GONG, JIANMIAO	3,196,484	GUSTAFSON, ERIK	3,196,575
GEISSLER, MARCUS	3,196,683	GONZALEZ BLANCO, SONIA	3,196,460	GUSTAFSON, ERIK	3,196,578
GENENTECH, INC.	3,196,191	GONZALEZ MOYA, ISABEL	3,196,460	GUT, PHILIPP	3,196,727
GENENTECH, INC.	3,196,539	GONZALEZ, BRIGITTE	3,196,769	GUTELIUS, PATRICK N.	3,199,780
GENENTECH, INC.	3,199,926	GOOCH, NATHAN	3,200,131	GYUGYI, ZACHARY W.	3,196,928
GENFIT	3,196,479	GOODARZNIA, SHAHIN	3,196,859	H. LEE MOFFITT CANCER	
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GEORG, ANDREAS	3,199,977	GOODYEAR, OLIVER	3,196,240	INSTITUTE, INC.	3,196,553
GEORGE, YVES	3,196,846	GOPINADHAN, MANESH	3,196,235	H2 CLIPPER, INC.	3,196,646
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GESTION LAFOREST INC.	3,196,542	GOU, QIAN	3,196,852	HAIDAR, HOSSAM	3,196,515
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GEYER, CHRISTOPHER	3,199,772	GOUVEIA ALVES, MARCO		HAINES, RICHARD	3,196,391
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GHAPURAY, ARCHANA	3,196,897	GPCP IP HOLDINGS LLC	3,196,489	SERVICES, INC.	3,196,381
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GIL, JULIO	3,196,685	GRAY, KRISTIN	3,196,364	SERVICES, INC.	3,196,794
GIL, JULIO	3,196,689	GRDINA, DAVID	3,196,873	HALLIBURTON ENERGY	
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GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO. 4) LTD.	3,196,550	GRIVAS, CHRIS JOHN	3,199,754	HANCHAR, PAVEL	3,199,759
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HEISS, MARKUS	3,199,593	HORN, PAT	3,196,888	ILGENFRITZ, MARKUS	3,196,615
HELSTERN, GARY	3,199,780	HOSALLI MUKUND, AKSHAYA	3,196,488	ILGENFRITZ, MARKUS	3,196,739
HEMOTEQ AG	3,196,521	HOSIMER, PHILIP	3,196,897	ILINCIC, RAJKO	3,196,532
HEMOTEQ AG	3,196,523	HOSKONG, MARTIN	3,200,152	IMAI, TOMOYUKI	3,196,358
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KOPONEN, TENHO	3,196,903	LAN, YAN	3,196,550	LEVINSKY, ALEX	3,196,880
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KORCZYK, STANISLAW	3,196,502	LANGE, SABINE	3,199,603	LI, CHENG	3,199,755
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SMITH, DAVID BERNARD	3,200,094	STEVENS, WALTER JOSEPH	3,200,092	TAEJOON PHARMACEUTICAL CO., LTD.	3,196,559
SMITH, GARRY R.	3,196,536	STEVENS, WALTER JOSEPH	3,200,092	TAEJOON PHARMACEUTICAL CO., LTD.	3,196,559
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		TONG, YUNSONG	3,196,916	UNIVERSITÉ COTE D'AZUR	3,200,011
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WILSON, JAMES M.	3,196,499	YANG, CHENG-YUAN	3,199,594	ZHANG, JUN	3,196,374
WILSON, JAMES M.	3,196,609	YANG, DEZHONG	3,200,096	ZHANG, JUNLE	3,196,386
WILSON, NATASHA	3,196,795	YANG, GUANG	3,196,572	ZHANG, LEI	3,196,395
WILSON, NATASHA	3,196,803	YANG, JUN	3,196,428	ZHANG, LIANG	3,196,572
WILT, JEREMY CLINTON	3,196,564	YANG, JUN	3,196,447	ZHANG, LIJUN	3,196,606
WINEFORDNER, CARL	3,196,487	YANG, RIPING	3,196,428	ZHANG, MINGMING	3,196,068
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WINSHIP, DONNYE	3,198,211	YANG, WEIMIN	3,199,797	ZHANG, XUEMEI	3,196,484
WINTERS, TAYLOR MICHAEL	3,199,943	YANG, XIANGLONG	3,196,428	ZHANG, YANHONG	3,196,778
WISK AERO LLC	3,196,506	YANG, XIANGLONG	3,196,447	ZHANG, ZICONG	3,199,756
WITT, FLORIAN M.	3,196,649	YANG, YI	3,196,675	ZHAO, BAOWEI	3,196,068
WITVLIET, MAARTEN HENDRIK	3,196,858	YAO, JIA	3,200,145	ZHAO, JAY ZHIXING	3,200,134
WOLF, BERND	3,196,565	YAO, XUE	3,199,756	ZHAO, JUNHUA	3,196,800
WOLFF, PETER	3,196,632	YAU, HAMISH CHUN LAM	3,196,356	ZHONG, DONGMEI	3,200,148
WOLFMAN, JACOB	3,200,105	YAU, HAMISH CHUN LAM	3,196,361	ZHONG, DONGMEI	3,200,150
WONG, ERNEST	3,200,141	YAU, HAMISH CHUN LAM	3,196,363	ZHOU, FEN	3,199,800
WONG, KHOI LOON	3,199,041	YAU, HAMISH CHUN LAM	3,196,371	ZHOU, HONGGANG	3,196,572
WONG, SENG	3,199,956	YAVUZ, EMRE	3,196,497	ZHOU, PING	3,196,912
WONG, TED	3,196,338	YE, JIEMING	3,196,430	ZHOU, XIAOLAN	3,196,443
WOO, JANGHEE	3,199,839	YE, LUHAN	3,196,784	ZHOU, YIQIAN	3,196,606
WOOD, SIMON	3,196,370	YE, XINHAO	3,196,467	ZHU, YUANPING	3,196,490
WOOLLACOTT, ROB	3,196,513	YE, XUDONG	3,200,134	ZINDLER, MICHAEL T.	3,196,838
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WRIGHT, RICHARD F.	3,196,896	YEW, WEN SHAN	3,196,843	B.V.	3,196,514
WU, DONGHUI	3,196,738	YIN, PENG	3,196,412	ZORNER, PAUL	3,196,618
WU, HAO	3,199,926	YIN, SHEN	3,200,140	ZOU, YONG	3,196,866
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WU, ZHE	3,196,901	PHARMACEUTICAL TECHNOLOGY CO., LTD	3,196,191	ZUBOV, DMITRY	3,200,103
WUNDERLICH, RAINER	3,196,885	YOGEV, EHUD	3,196,777		
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X DEVELOPMENT LLC	3,196,693	YOSHIDA, MASAHIRO	3,196,235		
X DEVELOPMENT LLC	3,196,759	YOU, HUAJIN	3,196,731		
XEROS LIMITED	3,196,785	YOUNG, GRACE CALVERT	3,196,606		
XFOREST THERAPEUTICS CO., LTD.	3,200,114	YU, HONGPING	3,196,759		
XIAO, DONG	3,196,901	YU, HONGPING	3,196,068		
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XIONG, JINGEN	3,199,800	YUAN, YONGHUI	3,196,558		
XIONG, WENTAO	3,199,800	YUE, YI	3,200,134		
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