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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

Voluntary Licences

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

Compulsory Licences

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

6. Octroi de licences en vertu des brevets

Licences librement accordées

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

Licences obligatoires

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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

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

Aucun

9. Applications Open to Public Inspection

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

10. Language of Published Documents

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

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

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

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

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

9. Demandes mises à la disponibilité du public

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

10. Langue du document publié

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

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

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

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

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

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

4. Late payment fee

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

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

Preliminary Examination

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

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

* International fees will be reduced by:

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

4. Taxe pour paiement tardif

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

Examen préliminaire

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

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

* Les frais seront réduits de:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

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

Web Link for MOPOP:

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

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

CIPO Web Link for correspondence procedures pertaining to Trademarks and Industrial Design:

<https://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/wr00633.html>

Publication date: May 10, 2017

Amendment date: June 17, 2019

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2. Electronic Correspondence
3. Details Concerning the Electronic Formats Accepted
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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

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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

Avis

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

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

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

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

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

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

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

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

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

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

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

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

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the [Fee Payment Form](#).

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

Téléchargez le [formulaire de paiement des frais](#).

1.1 Designated Establishments

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

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

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

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

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

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

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

1.1 Établissements désignés

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

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

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

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

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

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

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

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except statutory holiday	l'exception des jours fériés
<ul style="list-style-type: none">Innovation, Science and Economic Development Canada Canada Place 9700 Jasper Avenue, Suite 725 Edmonton AB T5J 4C3 Tel.: 780-495-4782 Toll-free: 1-800-461-2646	<ul style="list-style-type: none">Innovation, Sciences et Développement économique Canada Canada Place 9700, avenue Jasper, pièce 725 Edmonton (Alberta) T5J 4C3 Tél. : 780-495-4782 Sans frais : 1-800-461-2646
8:30 a.m. to 4:30 p.m. (local time) Monday to Friday, except statutory holidays	8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés
<ul style="list-style-type: none">Innovation, Science and Economic Development Canada Library Square 300 West Georgia Street, Suite 2000 Vancouver BC V6B 6E1 Tel.: 604-666-5000	<ul style="list-style-type: none">Innovation, Sciences et Développement économique Canada Library Square 300, rue Georgia Ouest, pièce 2000 Vancouver (C.-B.) V6B 6E1 Tél. : 604-666-5000
8:30 a.m. to 4:30 p.m. (local time) Monday to Friday, except statutory holidays	8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

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

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

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

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

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

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

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

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

2. Electronic Correspondence

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

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

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

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

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

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

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

2. Correspondance électronique

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

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

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

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

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

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open for business.

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

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Patents

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

2.2 Online

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

Patents

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

Trademarks

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

Brevets

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

2.2 En ligne

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

Brevets

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

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

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

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

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

Marques de commerce

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

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accessing the following pages:

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

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

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

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

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

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

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

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

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

Copyright

Droits d'auteur

Notices

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

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

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

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

Industrial Designs

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

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

Dessins industriels

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

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

Integrated Circuit Topographies

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

- [general correspondence relating to integrated circuit topographies](#).

Topographies de circuits intégrés

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

- [correspondance générale relative aux topographies de circuits intégrés](#).

2.3 Electronic medium

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

2.3 Supports électroniques

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

Brevets

Avis

Patents

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Electronic Media accepted by the Patent Office

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

Trademarks and Industrial Design

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

3. Details Concerning the Electronic Formats Accepted

Patents

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

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

When applicable, the Patent Office will accept files in the

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

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

Supports électroniques acceptés par le Bureau des brevets

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

Marques de commerce et dessins industriels

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

3. Précisions concernant les formats électroniques acceptés

Brevets

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

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

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

TIFF Format:

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

PDF Format:

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

ASCII

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

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

Format TIFF

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

Format PDF

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

ASCII

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

Trademarks

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

Industrial Design

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

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

Marques de commerce

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

Dessins industriels

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

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

Notices

4. General Information

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

5. Time Period Extensions

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

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

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

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

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

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

4. Renseignements généraux

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

5. Prorogation des délais

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Copyright and Integrated Circuit Topography Acts

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

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

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

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

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

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

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

- i. on which such Office or organization is not open to the public for the purposes of the transaction of official business;
- ii. on which ordinary mail is not delivered in the locality in which such Office or organization is situated;
- iii. which, where such Office or organization is situated in more than one locality, is an official holiday in at least one of the localities in which such Office or organization is situated, and in circumstances where the national law applicable by that Office or organization provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day; or
- iv. which, where such Office is the government authority of a Contracting State entrusted with the granting of patents, is an official holiday in part of that Contracting State, and in circumstances where the national law applicable by that Office provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day;

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

- i. où cet office ou cette organisation n'est pas ouvert au public pour traiter d'affaires officielles;
- ii. où le courrier ordinaire n'est pas délivré dans la localité où cet office ou cette organisation est situé;
- iii. qui, lorsque cet office ou cette organisation est situé dans plus d'une localité, est un jour férié dans au moins une des localités dans lesquelles cet office ou cette organisation est situé, et dans le cas où la législation nationale applicable par cet office ou cette organisation prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant; ou
- iv. qui, lorsque cet office est l'administration gouvernementale d'un État contractant chargée de délivrer des brevets, est un jour férié dans une partie de cet État contractant, et dans le cas où la législation nationale applicable par cet office prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant;

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

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

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

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

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

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

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

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

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

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

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

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

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

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

6. Procédures en cas de fermeture des bureaux

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

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

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

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

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

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

Notices

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

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

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

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

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

Patents, Industrial Design, Copyright and Integrated Circuit Topography

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

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

Trademarks

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

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

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

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

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

Marques de commerce

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

8. Intellectual property acts, rules and regulations

- [Copyright Act](#)
- [Copyright Regulations](#)
- [Industrial Design Act](#)
- [Industrial Design Regulations](#)
- [Integrated Circuit Topography Act](#)
- [Integrated Circuit Topography Regulations](#)
- [Interpretation Act](#)
- [Patent Act](#)

8. Lois, règles et règlements sur la propriété intellectuelle

- [Loi sur le droit d'auteur](#)
- [Règlement sur le droit d'auteur](#)
- [Loi sur les dessins industriels](#)
- [Règlement sur les dessins industriels](#)
- [Loi sur les topographies de circuits intégrés](#)
- [Règlement sur les topographies de circuits intégrés](#)
- [Loi d'interprétation](#)
- [Loi sur les brevets](#)
- [Règles sur les brevets](#)

Avis

- [Patent Rules](#)
- [Regulations under the PCT](#)
- [Trademarks Act](#)
- [Trademarks Regulations](#)

- [Règlement d'exécution du PCT](#)
- [Loi sur les marques de commerce](#)
- [Règlement sur les marques de commerce](#)

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of February 7, 2023 contains applications open to public inspection from January 22, 2023 to January 28, 2023.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 7 février 2023 contient les demandes disponibles au public pour consultation pour la période du 22 janvier 2023 au 28 janvier 2023.

Notices

16. Erratum

All information respecting patent application number 3,081,525 referred to under the section *Canadian Applications Open to Public Inspection*, contained in Vol. 148 No. 52 December 29, 2020 in the issue of the *Canadian Patent Office Record*, were erroneously published and should be disregarded.

16. Erratum

Toutes les informations relatives à la demande de brevet numéro 3,081,525 mentionné dans la rubrique *Demandes Canadiens mises à la disponibilité du public*, contenues dans le Vol. 148 No 52 du 29 décembre 2020, de la gazette du bureau des brevets, ont été publiées par erreur et doivent être ignorées.

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TRANSFORMING A PLASTID IN A
PLANT CELL, AND FOR
PRODUCING A CELL OR A
PLANT CONTAINING THE
TRANSFORMED PLASTID, AND
THE METHOD THEREFOR

[54] POLYNUCLEOTIDES POUR LA
TRANSFORMATION D'UN
PLASTE EN CELLULE
VEGETALE ET POUR LA
PRODUCTION D'UNE CELLULE
OU D'UN VEGETAL CONTENANT
LE PLASTE TRANSFORMÉ, DE
MEME QUE LA METHODE
CONNEXE

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C12N 1/19 (2006.01) C12N 5/04
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C12N 15/82 (2006.01) C12P 7/42
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OF STEVIOL GLYCOSIDES

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DE STEVIOL PAR
RECOMBINAISON

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[72] MOTION, MICHAEL, US

[72] HICKS, PAULA M., US

[72] HANSEN, JORGEN, US

[72] HOUGHTON-LARSEN, JENS, US

[72] HANSEN, ESBEN HALKAER, US

[72] MIKKELSEN, MICHAEL
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ANTI-CANCER RESPONSE

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D'UNE REPONSE
ANTICANCEREUSE

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[72] SZALLASI, ZOLTAN, US

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[73] BLACKBERRY LIMITED, CA
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- [54] **PROCEDE PERMETTANT DE CODER UN ENSEMBLE D'IMAGES DE REFERENCE (RPS) DANS UN CODAGE MULTICOUCHE**
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 - [72] LAUTERWASSER, ERICA M.W., DE
 - [72] FONTAINE, SHAUN D., US
 - [72] SPANGLER, BENJAMIN B., US
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- [54] **DERIVE D'AMIDE 3-(PIPERAZINE-1-Y)METHYLE)-PHENYLE ET SON UTILISATION COMME MODULATEURS (ROR.GAMMA.) GAMMA DU RECEPTEUR ORPHELIN LIES AUX RETINOÏDES**
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- [72] LIN, XICHEN, CN
- [73] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
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- [54] **PHOSPHORES EMETTANT DANS LE ROUGE DE COULEUR STABLE**
- [72] GARCIA, FLORENCIO, US
- [72] SETLUR, ANANT ACHYUT, US
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- [54] **PALE D'EOLIENNE DOTEE D'UN DISPOSITIF MONTE EN SURFACE**
- [72] LEHMANN MADSEN, KRISTIAN, DK
- [72] HOEG, JESPER, DK
- [72] KILDEGAARD, CASPER, DK
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- [72] FORKOSH, ERIC, US
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 - [72] LESSING, JOSHUA AARON, US
 - [72] WHITESIDES, GEORGE M., US
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- [54] TETE DE BROSSE DE TOILETTAGE D'ANIMAUX A PEIGNE RETRACTABLE MANUELLEMENT
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 - [72] FORAN, DAN, US
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- [54] **SYSTEMES A HAUTE RESOLUTION, TROUSSES, APPAREIL, ET PROCEDES POUR APPLICATIONS DE MICROBIOLOGIE A RENDEMENT ELEVE**
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- [72] STOCKER, ROMAN, CH
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- [54] **PROCEDE DE METALLISATION D'UNE SURFACE POLYMERÉE**
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- [72] BURGSTALLER, JURGEN, AT
- [72] STEGEL, MIHA, SI
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[72] DAMAGHI, DANIEL M., US
[72] HARLEV, OHAD, US
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[72] WILLNER, ALAN ELI, US
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[54] PROCEDE ET COMPOSITION POUR TRAITER LE CANCER, DETRUIRE LES CELLULES CANCEREUSES METASTATIQUES ET PREVENIR LA METASTASE CANCEREUSE EN UTILISANT DES ANTICORPS CONTRE LES PRODUITS T ERMINAUX DE GLYCATION AVANCEE (AGE)
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- [72] YAMAGUCHI, KOJI, JP
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- [72] LANE, RICHARD L., US
- [72] TEUFEL, RAINER B., US
- [72] SMITH, ARTHUR D., US
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[54] **COMPOSANT POUR FORMER UN CARACTERE CHINOIS, SYSTEME DE CARACTERES CHINOIS D'UNE STRUCTURE DE RACCORDEMENT A TENON ET MORTAISE AINSI FORMEE, ET PROCEDE DE SAISIE DE CARACTERES CHINOIS**
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[54] PRODUCTION PAR FERMENTATION D'ETHANOL A PARTIR DE GLUCOSE, DE GALACTOSE ET D'ARABINOSE EMPLOYANT UNE SOUCHE DE LEVURE RECOMBINEE
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[72] VAN SUYLEKOM, GIJSBERDINA PIETERNELLA, NL
[72] GIELESEN, BIANCA ELISABETH MARIA, NL
[72] BROERS, NICOLETTE JASMIJN, NL
[72] DE LAAT, WILHELMUS THEODORUS ANTONIUS MARIA, NL
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- [54] SYSTEME DE REFRIGERATION D'ECHANGEUR DE CHALEUR A DOUBLE CASCADE ET PROCEDE DE FONCTIONNEMENT ASSOCIE
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- [72] MONNEY, DOMINIQUE D., CA
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- [72] GINGELL, GRANT, US
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IMPROVEMENTS
[54] AMELIORATIONS AU SYSTEME
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[73] C.R. LAURENCE CO., INC., US
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ANTICIPATORY DYNAMIC
CUSTOMER SEGMENTATION
FOR A CONTACT CENTER
[54] SYSTEME ET PROCEDE
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D'APPELS
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[72] KRUG, BRADLEY, US
[72] RISTOCK, HERBERT WILLI ARTUR,
US
[72] TOERCK, CHARLOTTE, US
[72] KOROLEV, NIKOLAY, US
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[73] GENESYS CLOUD SERVICES
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PASSIVE
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[72] RIDGWAY, DOUGLAS, US
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[73] SCIENTIFIC DRILLING
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DATA INTERACTION
PROCESSING METHOD, DEVICE
AND SYSTEM
[54] PROCEDE DE PRET EN LIGNE,
ET PROCEDE, DISPOSITIF ET
SYSTEME DE TRAITEMENT
D'INTERACTION DE DONNEES
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[73] 10353744 CANADA LTD., CA
[86] (3112662)
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[25] EN
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[54] METHODE DE MOUILLAGE DE
SURFACE
[72] GOLOVCHENKO, JENE A., US
[72] KUAN, AARON, T., US
[72] LU, BO, US
[73] PRESIDENT AND FELLOWS OF
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PREDICTION STEREO CODING
[54] CODAGE STEREO A PREDICTION
COMPLEXE A BASE DE MDCT
[72] PURNHAGEN, HEIKO, SE
[72] CARLSSON, PONTUS, SE
[72] VILLEMOES, LARS, SE
[73] DOLBY INTERNATIONAL AB, NL
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 - [54] DISPOSITIF ET PROCEDE DE FORMATION D'UNE COMPOSANTE ELECTROFORMEE
 - [72] TAJIRI, GORDON, US
 - [72] PHELPS, EMILY MARIE, US
 - [72] JONNALAGADDA, DATTU GV, US
 - [72] SCHMITT, JOSEPH RICHARD, US
 - [72] YANG, YANZHE, US
 - [73] UNISON INDUSTRIES, LLC, US
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- [54] SYSTEME DE SECURITE D'ACCES AU POSTE DE PILOTAGE
- [72] SMITH, DAVID, CA
- [73] SMITH, DAVID, CA
- [86] (3117676)
- [87] (3117676)
- [22] 2019-04-08
- [62] 3,039,453

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 - [25] EN
 - [54] METHODS AND SYSTEMS FOR OBTAINING AN INDICATION OF CARBON EMISSIONS BASED ON SHIPPING ROUTE AND TRANSPORTATION MODE PREDICTION
 - [54] METHODES ET SYSTEMES POUR OBTENIR UNE INDICATION DES EMISSIONS DE CARBONE EN FONCTION D'UNE PREDICTION AXEE SUR LE TRAJET D'EXPEDITION ET LE MODE DE TRANSPORT
 - [72] SANCHEZ, IVAN, CA
 - [72] ITANEN, NIKLAS, CA
 - [72] GHORBANI, SIAVASH, CA
 - [72] SCHNEIDER, MICHAEL, CA
 - [73] SHOPIFY INC., CA
 - [86] (3119285)
 - [87] (3119285)
 - [22] 2021-05-20
 - [30] US (17/010366) 2020-09-02
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- [25] EN
- [54] ARTIFICIAL HLA-POSITIVE FEEDER CELL LINES FOR NK CELLS AND USES THEREOF
- [54] LIGNEES DE CELLULES NOURRICIERES HLA POSITIVES ARTIFICIELLES POUR CELLULES NK ET UTILISATIONS CORRESPONDANTES
- [72] TEMME, ACHIM, DE
- [73] TECHNISCHE UNIVERSITAT DRESDEN, DE
- [85] 2021-05-10
- [86] 2019-11-22 (PCT/EP2019/082283)
- [87] (WO2020/104676)
- [30] EP (18208092.9) 2018-11-23

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 - [25] EN
 - [54] TESTING ANTENNA SYSTEMS
 - [54] TEST DE SYSTEMES D'ANTENNE
 - [72] SHAFFER, JAMES P., CA
 - [73] QUANTUM VALLEY IDEAS LABORATORIES, CA
 - [85] 2021-05-13
 - [86] 2019-03-07 (PCT/CA2019/050277)
 - [87] (WO2020/140147)
 - [30] US (62/786,675) 2018-12-31
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- [51] Int.Cl. G01C 21/20 (2006.01)
 - [25] EN
 - [54] METHODS AND SYSTEMS FOR DETERMINING VEHICLE TRAVEL ROUTES
 - [54] METHODES ET SYSTEMES POUR DETERMINER DES TRAJETS DE DEPLACEMENT DE VEHICULE
 - [72] WALKER, MARY AMELIA, US
 - [72] HICKSON, NICHOLAS, US
 - [72] CATRON, ROBERT, US
 - [72] VAUGHAN, BRIAN, US
 - [72] LU, HUNG JUNG, US
 - [73] FREEPORT-MCMORAN INC., US
 - [85] 2021-07-02
 - [86] 2021-03-16 (PCT/US2021/022502)
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- [25] EN
- [54] ELECTRONIC CERTIFICATE-BASED TRANSACTION SYSTEM
- [54] SYSTEME DE TRANSACTION A BASE DE CERTIFICAT ELECTRONIQUE
- [72] ZHANG, YI, CN
- [73] 10353744 CANADA LTD., CA
- [86] (3124249)
- [87] (3124249)
- [22] 2014-09-12
- [62] 2,997,804

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<p style="text-align: right;">[11] 3,131,725 [13] C</p> <p>[51] Int.Cl. G06F 16/2453 (2019.01)</p> <p>[25] EN</p> <p>[54] SQL OPTIMIZATION METHOD AND DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM</p> <p>[54] METHODE ET DISPOSITIF D'OPTIMISATION SQL, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE</p> <p>[72] GAO, SHIJIN, CN</p> <p>[73] 10353744 CANADA LTD., CA</p> <p>[86] (3131725)</p> <p>[87] (3131725)</p> <p>[22] 2021-09-23</p> <p>[30] CN (202011012194.9) 2020-09-23</p>		

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[25] EN
[54] **MODULAR SOFA CONSTRUCTION AND METHODS FOR ASSEMBLY**
[54] **STRUCTURE DE CANAPE MODULAIRE ET SES PROCEDES D'ASSEMBLAGE**
[72] KUHL, STEPHEN, US
[72] CHOPRA, KABEER, US
[72] AMICK, LEAH K. S., US
[72] KOH, PAUL, US
[72] KUBO, ALEX, US
[73] BURROW, INC., US
[86] (3135410)
[87] (3135410)
[22] 2018-01-25
[62] 3,052,144
[30] US (15/419,957) 2017-01-30

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[13] C

[51] Int.Cl. B65D 55/10 (2006.01) B65D 43/16 (2006.01) B65D 50/06 (2006.01)
[25] EN
[54] **SAFETY CONTAINER**
[54] **CONTENANT DE SECURITE**
[72] WARNER, NANCY, US
[72] BUCK, JEREMIAH, US
[73] ASSURPACK LLC, US
[86] (3135662)
[87] (3135662)
[22] 2021-10-22
[30] US (17/237,126) 2021-04-22

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[13] C

[51] Int.Cl. A24F 40/50 (2020.01) A24F 40/40 (2020.01) A24F 40/51 (2020.01) A24F 40/53 (2020.01) G06V 40/16 (2022.01)
[25] EN
[54] **FUNCTIONAL CONTROL AND AGE VERIFICATION OF ELECTRONIC DEVICES THROUGH VISUAL COMMUNICATION**
[54] **COMMANDE FONCTIONNELLE ET VERIFICATION DE L'AGE DE DISPOSITIFS ELECTRONIQUES PAR COMMUNICATION VISUELLE**
[72] HUBBARD, SAWYER, US
[72] LEYES, CHARLES A., US
[72] IRELAND, VINCE, US
[72] DAUGHERTY, SEAN, US
[72] LUKAN, SEAN, US
[72] ALLER, JARED, US
[73] RAI STRATEGIC HOLDINGS, INC., US
[85] 2021-09-30
[86] 2020-04-01 (PCT/US2020/026176)
[87] (WO2020/205972)
[30] US (62/828,222) 2019-04-02
[30] US (16/441,937) 2019-06-14

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[13] C

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[25] EN
[54] **COLLATION SHRINK FILM**
[54] **FILM RETRACTABLE DE COLLATIONNEMENT**
[72] SEMAAN, CHANTAL, ES
[72] NUMMILA-PAKARINEN, AULI, FI
[72] GOETZLOFF, CHRISTIAN, AT
[73] BOREALIS AG, AT
[85] 2021-10-04
[86] 2020-04-06 (PCT/EP2020/059706)
[87] (WO2020/207940)
[30] EP (19168093.3) 2019-04-09

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[13] C

[51] Int.Cl. C09K 21/02 (2006.01)
[25] EN
[54] **A METHOD FOR THE PREPARATION OF A STABLE, FIRE-RETARDANT COMPOSITION OF BORON-CONTAINING COMPOUNDS, THE COMPOSITION SO OBTAINED AND A METHOD AND A USE OF SAID COMPOSITION**
[54] **PROCEDE DE PREPARATION D'UNE COMPOSITION IGNIFUGE STABLE DE COMPOSES CONTENANT DU BORE, COMPOSITION AINSI OBTENUE ET PROCEDE ET UTILISATION DE LADITE COMPOSITION**
[72] GUERRA PADILLA, DANILo ALFONSO, CA
[73] INTERNATIONAL SUPPLIERS AND CONTRACTORS INC., CA
[85] 2021-11-02
[86] 2019-05-02 (PCT/CA2019/050580)
[87] (WO2020/220109)

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[13] C

[51] Int.Cl. C13B 50/00 (2011.01) C13B 20/00 (2011.01) C13B 20/16 (2011.01) C13B 25/00 (2011.01) C13B 30/00 (2011.01) A23L 27/00 (2016.01) A23L 33/105 (2016.01) A23L 33/125 (2016.01) A23L 2/02 (2006.01) A23L 2/08 (2006.01)
[25] FR
[54] **COMPOSITIONS BASED ON MAPLE SAP, VEGETABLE JUICE OR FRUIT JUICE, AND PROCESS FOR MANUFACTURING SAME**
[54] **COMPOSITIONS A BASE DE SEVE D'ERABLE, DE JUS DE LEGUMES OU DE FRUITS ET LEURS PROCEDES DE FABRICATION**
[72] DUFOUR, CLAUDE, CA
[72] FADI, ALI, CA
[73] LES TECHNOLOGIES CLDUFOUR INC., CA
[86] (3137832)
[87] (3137832)
[22] 2019-07-05
[62] 3,098,409
[30] CA (3,010,832) 2018-07-06
[30] CA (3,019,455) 2018-10-01

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<p align="right">[11] 3,139,145</p> <p align="right">[13] C</p> <p>[51] Int.Cl. E21B 33/13 (2006.01) E21B 23/00 (2006.01) E21B 33/12 (2006.01)</p> <p>[25] EN</p> <p>[54] CEMENTING HEAD APPARATUS</p> <p>[54] APPAREIL DE TETE DE CIMENTATION</p> <p>[72] SLACK, MAURICE WILLIAM, CA</p> <p>[72] DOROBANTU, PETRE, CA</p> <p>[73] NOETIC TECHNOLOGIES INC., CA</p> <p>[85] 2021-11-04</p> <p>[86] 2020-05-08 (PCT/CA2020/000060)</p> <p>[87] (WO2020/223791)</p> <p>[30] US (62/845,818) 2019-05-09</p>	<p align="right">[11] 3,148,632</p> <p align="right">[13] C</p> <p>[51] Int.Cl. F16L 59/14 (2006.01)</p> <p>[25] EN</p> <p>[54] PIPE INSULATION ASSEMBLY</p> <p>[54] ENSEMBLE D'ISOLATION DE tuyau</p> <p>[72] PARKS, JERRY M., US</p> <p>[72] MUSICK, DAVID E., US</p> <p>[72] CHACKO, JACOB T., US</p> <p>[72] CLANCY, TIMOTHY R., US</p> <p>[72] HETTLER, NEIL, US</p> <p>[72] QI, WEIGANG, US</p> <p>[72] GUTKOSKI, MADELYN ELIZABETH, US</p> <p>[73] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US</p> <p>[86] (3148632)</p> <p>[87] (3148632)</p> <p>[22] 2016-11-11</p> <p>[62] 3,005,203</p> <p>[30] US (62/254,670) 2015-11-12</p> <p>[30] US (62/268,027) 2015-12-16</p> <p>[30] US (62/287,812) 2016-01-27</p>	<p align="right">[11] 3,152,212</p> <p align="right">[13] C</p> <p>[51] Int.Cl. C25B 9/19 (2021.01) C25B 9/00 (2021.01)</p> <p>[25] EN</p> <p>[54] LAMINATED STRUCTURE INCLUDING ELECTRODES</p> <p>[54] STRUCTURE STRATIFIEE COMPRENANT DES ELECTRODES</p> <p>[72] OTSU, HIDEO, JP</p> <p>[72] KUROKI, KOTA, JP</p> <p>[73] DE NORA PERMELEC LTD, JP</p> <p>[85] 2022-03-23</p> <p>[86] 2019-09-25 (PCT/JP2019/037496)</p> <p>[87] (WO2021/059379)</p>
<p align="right">[11] 3,142,176</p> <p align="right">[13] C</p> <p>[51] Int.Cl. G01K 7/00 (2006.01) A61B 5/01 (2006.01) G01K 13/02 (2021.01) G01N 25/18 (2006.01)</p> <p>[25] EN</p> <p>[54] APPARATUS, SYSTEMS, AND METHODS FOR NON-INVASIVE THERMAL INTERROGATION</p> <p>[54] APPAREIL, SYSTEMES ET PROCEDES D'INTERROGATION THERMIQUE NON INVASIVE</p> <p>[72] ROGHANIZAD, ALI R., US</p> <p>[73] THERMASENSE CORP., US</p> <p>[85] 2021-11-26</p> <p>[86] 2020-06-30 (PCT/US2020/040266)</p> <p>[87] (WO2021/003140)</p> <p>[30] US (62/869,208) 2019-07-01</p>	<p align="right">[11] 3,152,664</p> <p align="right">[13] C</p> <p>[51] Int.Cl. G01S 17/10 (2020.01) G01S 7/497 (2006.01)</p> <p>[25] EN</p> <p>[54] LIDAR SYSTEM AND METHOD FOR DETERMINING DISTANCES OF TARGETS</p> <p>[54] SYSTEME LIDAR ET PROCEDE DE DETERMINATION DE DISTANCES DE CIBLES</p> <p>[72] PITTS, OLIVER JAMES, CA</p> <p>[73] NATIONAL RESEARCH COUNCIL OF CANADA, CA</p> <p>[85] 2022-02-25</p> <p>[86] 2020-08-17 (PCT/IB2020/057736)</p> <p>[87] (WO2021/038371)</p> <p>[30] US (62/893,280) 2019-08-29</p>	

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[51] Int.Cl. H02H 5/00 (2006.01) H02H 9/04 (2006.01)
[25] EN
[54] SYSTEM AND METHOD FOR DETECTING AND ISOLATING AN ELECTROMAGNETIC PULSE FOR PROTECTION OF A MONITORED INFRASTRUCTURE
[54] SYSTEME ET PROCEDE DE DETECTION ET D'ISOLATION D'UNE IMPULSION ELECTROMAGNETIQUE PERMETTANT DE PROTEGER UNE INFRASTRUCTURE SURVEILLEE
[72] CARTY, TIMOTHY A., US
[72] CLARKSON, GREGORY WAYNE, US
[73] CARTY, TIMOTHY A., US
[73] CLARKSON, GREGORY WAYNE, US
[85] 2022-04-06
[86] 2020-07-09 (PCT/US2020/041366)
[87] (WO2021/071564)
[30] US (16/597,427) 2019-10-09

[11] 3,155,343
[13] C
[51] Int.Cl. B60W 50/00 (2006.01) B60L 15/00 (2006.01) B60R 16/00 (2006.01)
[25] EN
[54] VEHICLE ACTIVATION SYSTEMS AND METHODS FOR ELECTRIC VEHICLES
[54] SYSTEMES D'ACTIVATION DE VEHICULE ET PROCEDES POUR VEHICULES ELECTRIQUES
[72] BERNATCHEZ, GABRIEL, CA
[73] TAIGA MOTORS INC., CA
[86] (3155343)
[87] (3155343)
[22] 2022-04-07
[30] US (63/193,241) 2021-05-26

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[13] C
[51] Int.Cl. C12N 5/04 (2006.01) A23L 33/105 (2016.01) A01H 6/28 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A01N 25/32 (2006.01) A61K 36/185 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01) D01C 1/02 (2006.01)
[25] EN
[54] HEMP PLANT NAMED 'EM15B2A170'
[54] PLANT DE CHANvre NOMME EM15B2A170
[72] CAMPBELL, BRIAN, US
[73] CHARLOTTE'S WEB, INC., US
[86] (3157865)
[87] (3157865)
[22] 2022-05-06

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[13] C
[51] Int.Cl. H04L 9/30 (2006.01) G06F 21/64 (2013.01) G06F 16/27 (2019.01)
[25] EN
[54] SYSTEMS AND METHODS PROVIDING SPECIALIZED PROOF OF CONFIDENTIAL KNOWLEDGE
[54] SYSTEMES ET PROCEDES FOURNISSANT UNE PREUVE SPECIALISEE DE CONNAISSANCE CONFIDENTIELLE
[72] YOUSSEF, TAREK BEN, CA
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[54] APPAREIL ET METHODE POUR
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[72] MURRAY, TYLER, CA
[72] FURLANO, JIMMY, CA
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[54] MECANISME DE SUIVI SOLAIRE
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[72] KARBALAI, MOEIN, IR
[72] ALEMRAJABI, ALIAKBAR, IR
[72] MOSTAJABODDAVATI, MOJTABA,
IR
[71] MOSTAJERAN GOORTANI,
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[54] METHODE D'OPTIMISATION
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[54] METHODE DE MOTEUR
ENTRAINE PAR LA LUMIERE ET
SANS BRUIT POUR UN SYSTEME
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CPU
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[54] SAC A L'EPREUVE DES ENFANTS ET METHODE D'OUVERTURE
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[71] JIANG, ZHENGJIE, CN
[22] 2021-09-27
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[54] SCELLAGE DE PUITS A EXPANSION ELEVEE AU MOYEN D'UN ELEMENT D'EXTENSION DU SIEGE DE JOINT
[72] MILNE, ADAM J., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[22] 2021-08-19
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[54] SYSTEMES ET METHODES DE PUBLICITES CIBLEES FONDEES SUR LES CONVERSATIONS
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[72] EMMANUEL, DAINA, IN
[72] HARB, REDA, US
[71] ROVI GUIDES, INC., US
[22] 2021-12-14
[41] 2023-01-22
[30] US (17/382750) 2021-07-22

[21] **3,144,033**

[13] A1

- [51] Int.Cl. G06V 20/50 (2022.01) G06T 7/70 (2017.01) G06V 10/10 (2022.01) G06V 10/20 (2022.01)
[25] EN
[54] AUTOMATED ROOM SHAPE DETERMINATION USING VISUAL DATA OF MULTIPLE CAPTURED IN-ROOM IMAGES
[54] DETERMINATION AUTOMATISEE DE LA FORME D'UNE PIECE AU MOYEN DE DONNEES VISUELLES PROVENANT DE MULTIPLES IMAGES ENREGISTREES DANS LA PIECE
[72] LI, YUGUANG, US
[72] BOYADZHIIEV, IVAYLO, US
[72] BUEHLER, CHRISTOPHER, US
[72] HUTCHCROFT, WILL ADRIAN, US
[71] ZILLOW, INC., US
[22] 2021-12-24
[41] 2023-01-27
[30] US (17/386,281) 2021-07-27

[21] **3,144,186**

[13] A1

- [51] Int.Cl. B01D 46/69 (2022.01) B01D 46/66 (2022.01)
[25] EN
[54] BACKWASH SUCTION DEVICE OF FIBROUS FILTER
[54] DISPOSITIF D'ASPIRATION RINCAGE DE FILTRE FIBREUX
[72] KUK, CHUNGCHANG, KR
[71] GRENEX LIMITED, KR
[22] 2021-12-29
[41] 2023-01-27
[30] KR (10-2021-0098846) 2021-07-27

[21] **3,144,754**

[13] A1

- [51] Int.Cl. F16H 48/00 (2012.01) B60K 23/04 (2006.01) F16H 1/28 (2006.01) F16H 37/08 (2006.01)
[25] EN
[54] SELECTABLE DIFFERENTIAL DRIVE FOR A VEHICLE
[54] ENTRAINEMENT DIFFERENTIEL SELECTIONNABLE POUR UN VEHICULE
[72] VERBRIDGE, MASON, US
[72] WILLIAMS, CAMERON P., US
[72] RAHMAN, KHALWAJA, US
[72] HUANG, HENRY, US
[72] KALYANARAMAN, VINAHEY, US
[71] RIVIAN IP HOLDINGS, LLC, US
[22] 2022-01-04
[41] 2023-01-26
[30] US (17/385212) 2021-07-26

[21] **3,145,137**

[13] A1

- [51] Int.Cl. G01C 21/34 (2006.01)
[25] EN
[54] TOUR GUIDE MODE USER INTERFACE AND EXPERIENCE
[54] INTERFACE UTILISATEUR EN MODE DE GUIDE DE VISITE ET EXPERIENCE
[72] OTA, JEFFREY M., US
[72] JACOBS, CHRISTOPHER MARSHALL, US
[72] BEISEL, PHILIPP, US
[72] QUINT, JASOM MEYER, US
[72] KOH, KOK WEI, US
[72] BOBLETT, BRENNAN, US
[72] ROBERTS, SAMUEL MORGAN, US
[71] RIVIAN IP HOLDINGS, LLC, US
[22] 2022-01-10
[41] 2023-01-28
[30] US (17/387,209) 2021-07-28

[21] **3,145,852**

[13] A1

- [51] Int.Cl. F21S 4/10 (2016.01) F21V 23/00 (2015.01) F21V 23/06 (2006.01) F21V 31/04 (2006.01)
[25] EN
[54] LIGHT EMITTING DIODE LIGHT STRING
[54] BANDE DE LUMIERE A DIODES ELECTROLUMINESCENTES
[72] TSAI, CHANG FU, CN
[71] TSAI, CHANG FU, CN
[22] 2022-01-17
[41] 2023-01-26
[30] US (63/225,614) 2021-07-26
[30] US (17/571,137) 2022-01-07

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<p style="text-align: right;">[21] 3,148,821</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06F 7/58 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD AND APPARATUS FOR HIGHLY EFFECTIVE ON-CHIP TRUE RANDOM NUMBER GENERATOR UTILIZING BETA DECAY</p> <p>[54] METHODE ET APPAREIL POUR UN GENERATEUR DE NOMBRES ALEATOIRES SUR PUCE HAUTEMENT EFFICACE UTILISANT LA DESINTEGRATION BETA</p> <p>[72] TATARKEWICZ, JAN JAKUB, US</p> <p>[72] KUZMICZ, WIESLAW BOHDAN, US</p> <p>[71] RANDAEMON SP. Z O.O., PL</p> <p>[22] 2022-02-14</p> <p>[41] 2023-01-22</p> <p>[30] US (17/409,971) 2021-08-24</p> <p>[30] US (63/235,031) 2021-08-19</p> <p>[30] US (63/234,820) 2021-08-19</p> <p>[30] US (63/224,811) 2021-07-22</p>	<p style="text-align: right;">[21] 3,153,715</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H04N 1/32 (2006.01) G16H 30/20 (2018.01) H04N 1/42 (2006.01) H04L 67/02 (2022.01)</p> <p>[25] EN</p> <p>[54] EFFICIENT STREAMING FOR CLIENT-SIDE MEDICAL RENDERING APPLICATIONS BASED ON USER INTERACTIONS</p> <p>[54] DIFFUSION EFFICACE POUR DES APPLICATIONS DE RENDU MEDICAL COTE CLIENT FONDEES SUR LES INTERACTIONS D'UTILISATEUR</p> <p>[72] PAMBURN, JEAN-FRANCOIS, CA</p> <p>[71] CHANGE HEALTHCARE HOLDINGS, LLC, US</p> <p>[22] 2022-03-30</p> <p>[41] 2023-01-22</p> <p>[30] US (17/382,701) 2021-07-22</p>	<p style="text-align: right;">[21] 3,160,734</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A01B 63/00 (2006.01) A01C 7/20 (2006.01)</p> <p>[25] EN</p> <p>[54] GROUND FOLLOWING OPTIMIZATION WITH DOWNFORCE CONTROL SYSTEMS AND METHODS</p> <p>[54] OPTIMISATION DE SUIVI DU SOL ET SYSTEMES ET METHODES DE COMMANDE DE DEPORTANCE</p> <p>[72] WONDERLICH, GRANT, J., US</p> <p>[72] KINNEY, COLTER, W., US</p> <p>[72] WACKERLE, BRADLEY, A., US</p> <p>[72] MARIMAN, NATHAN, A., US</p> <p>[72] PETERSON, JAMES, R., US</p> <p>[72] MARO, RANDALL, A., US</p> <p>[72] HERRMANN, KENNETH, E., US</p> <p>[71] DEERE & COMPANY, US</p> <p>[22] 2022-05-13</p> <p>[41] 2023-01-28</p> <p>[30] US (17/387,466) 2021-07-28</p>
<p style="text-align: right;">[21] 3,151,764</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. E04C 5/18 (2006.01) E04B 2/86 (2006.01) E04C 5/16 (2006.01) E04G 21/12 (2006.01)</p> <p>[25] EN</p> <p>[54] FRAME AND INSULATION PANEL SYSTEM</p> <p>[54] CADRE ET SYSTEME DE PANNEAU D'ISOLATION</p> <p>[72] HOOPER, LAWRIE, CA</p> <p>[71] INSU-BUILT STRUCTURES INC., CA</p> <p>[22] 2022-03-11</p> <p>[41] 2023-01-26</p> <p>[30] CA (3,126,079) 2021-07-26</p>	<p style="text-align: right;">[21] 3,159,231</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61F 2/38 (2006.01)</p> <p>[25] EN</p> <p>[54] ENDOPROSTHETIC ROTATING HINGE KNEE ASSEMBLIES, SUBASSEMBLIES, AND METHODS</p> <p>[54] ASSEMBLAGES, SOUS-ENSEMBLES ET METHODES POUR ENDOPROTHESE DE GENOU A CHARNIERE ROTATIVE</p> <p>[72] BOWMAN, FRED W., US</p> <p>[72] MOUNTJOY, KRISTEN F., US</p> <p>[72] BROOKS, MICHAEL L., US</p> <p>[72] CARROLL, JACOB H., US</p> <p>[71] MICROPORT ORTHOPEDICS HOLDINGS INC., US</p> <p>[22] 2022-05-17</p> <p>[41] 2023-01-23</p> <p>[30] US (63/225,109) 2021-07-23</p> <p>[30] US (17/660,252) 2022-04-22</p>	<p style="text-align: right;">[21] 3,161,220</p> <p style="text-align: right;">[13] A1</p> <p>[25] EN</p> <p>[54] LOW LATENCY NETWORK DEVICE AND METHOD FOR TREATING RECEIVED SERIAL DATA</p> <p>[54] DISPOSITIF RESEAU A FAIBLE LATENCE ET METHODE DE TRAITEMENT DES DONNEES EN SERIE RECUES</p> <p>[72] RAYMOND, ALEXANDRE, CA</p> <p>[71] ORTHOGONE TECHNOLOGIES INC., CA</p> <p>[22] 2022-06-01</p> <p>[41] 2023-01-27</p> <p>[30] US (63/203,541) 2021-07-27</p>
<p style="text-align: right;">[21] 3,161,433</p> <p style="text-align: right;">[13] A1</p> <p>[25] EN</p> <p>[54] LOW LATENCY NETWORK DEVICE AND METHOD FOR TREATING RECEIVED SERIAL DATA</p> <p>[54] DISPOSITIF RESEAU A FAIBLE LATENCE ET METHODE DE TRAITEMENT DES DONNEES EN SERIE RECUES</p> <p>[72] RAYMOND, ALEXANDRE, CA</p> <p>[71] ORTHOGONE TECHNOLOGIES INC., CA</p> <p>[22] 2022-06-02</p> <p>[41] 2023-01-27</p> <p>[30] US (63/203,541) 2021-07-27</p>		

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[51] Int.Cl. A01B 63/14 (2006.01) A01C 5/06 (2006.01) A01C 7/20 (2006.01)
[25] EN
[54] GROUND FOLLOWING OPTIMIZATION WITH POSITION CONTROL SYSTEMS AND METHODS
[54] OPTIMISATION DE SUIVI DU SOL ET SYSTEMES ET METHODES DE COMMANDE DE POSITION
[72] WONDERLICH, GRANT J., US
[72] KINNEY, COLTER W., US
[72] WACKERLE, BRADLEY A., US
[72] MARIMAN, NATHAN A., US
[72] PETERSON, JAMES R., US
[72] MARO, RANDALL A., US
[72] HERMANN, KENNETH E., US
[71] DEERE & COMPANY, US
[22] 2022-06-02
[41] 2023-01-28
[30] US (17/387,422) 2021-07-28

[21] 3,161,461 [13] A1
[51] Int.Cl. A24F 13/26 (2006.01) A24F 13/24 (2006.01) B26B 1/02 (2006.01)
[25] EN
[54] CIGAR CUTTERS
[54] COUPE-CIGARES
[72] FISTEN, DOUGLAS, US
[71] VPR BRANDS, LP, US
[22] 2022-06-02
[41] 2023-01-23
[30] US (17/384,394) 2021-07-23

[21] 3,161,474 [13] A1
[51] Int.Cl. F16D 66/02 (2006.01)
[25] EN
[54] BRAKING DEVICE WEAR INDICATOR AND METHOD
[54] INDICATEUR D'USURE DE DISPOSITIF DE FREINAGE ET METHODE
[72] BOWDEN, GARY A., US
[71] TRANSPORTATION IP HOLDINGS, LLC, US
[22] 2022-06-03
[41] 2023-01-28
[30] US (63/226,578) 2021-07-28
[30] US (17/507,534) 2021-10-21

[21] 3,161,478 [13] A1
[25] EN
[54] SYSTEMS AND METHODS FOR PRIORITIZING PICK JOBS WHILE OPTIMIZING EFFICIENCY
[54] SYSTEMES ET METHODES POUR ETABLIR L'ORDRE DE PRIORITE DES TACHES DE RAMASSAGE TOUT EN OPTIMISANT L'EFFICACITE
[72] LEONARDO, CHRISTOPHER, CA
[72] PATRIDGE, ELLEN, CA
[72] RODRIGUEZ FALCON, FELIX ALBERTO, CA
[71] 6 RIVER SYSTEMS, LLC, US
[22] 2022-06-02
[41] 2023-01-23
[30] US (17/383437) 2021-07-23

[21] 3,162,500 [13] A1
[51] Int.Cl. F25B 5/02 (2006.01) F25B 6/02 (2006.01) F25D 13/00 (2006.01)
[25] EN
[54] REFRIGERANT CIRCUIT WITH REDUCED ENVIRONMENTAL IMPACT
[54] CIRCUIT DE FRIGORIGENE A INCIDENCE ENVIRONNEMENTALE REDUITE
[72] LARSON, WILLIAM CRAIG, US
[72] KROVVIDI, NARASIMHA SAPTA SAILESH, US
[72] HUPPERT, NICHOLAS SCOTT, US
[72] MCCAIN, BRIAN, US
[71] REFRIGERATED SOLUTIONS GROUP LLC, US
[22] 2022-06-10
[41] 2023-01-23
[30] US (63/225,208) 2021-07-23
[30] US (17/746,886) 2022-05-17

[21] 3,164,861 [13] A1
[51] Int.Cl. B32B 27/08 (2006.01) B32B 37/06 (2006.01) B32B 37/10 (2006.01) B32B 38/00 (2006.01)
[25] EN
[54] PAINTABLE AND BONDABLE LAMINATE
[54] STRATIFIE POUVANT ETRE PEINT ET COLLE
[72] SHORT, ERIC DAVID, US
[72] STACY, SAMANTHA ANN, US
[71] PREMIER MATERIAL CONCEPTS LLC, US
[22] 2022-06-22
[41] 2023-01-28
[30] US (63/226,228) 2021-07-28
[30] US (17/807,004) 2022-06-15

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[21] 3,164,955 [13] A1
[51] Int.Cl. B60R 5/00 (2006.01) B60R 7/02 (2006.01)
[25] EN
[54] SEAT-INTEGRATED ACCESS SYSTEM FOR STORAGE IN A VEHICLE
[54] SYSTEME D'ACCES INTEGRE AU SIEGE POUR LE STOCKAGE DANS UN VEHICULE
[72] ZAMBARE, HARSHAD, US
[72] COTTER, RYAN, US
[72] MOUSIGIAN, STEVEN, US
[72] BATESON, DANIEL JOHN, US
[71] RIVIAN IP HOLDINGS, LLC, US
[22] 2022-06-22
[41] 2023-01-28
[30] US (63/226327) 2021-07-28
[30] US (17/518749) 2021-11-04

[21] 3,165,875 [13] A1
[51] Int.Cl. C04B 41/87 (2006.01)
[25] EN
[54] HIGH TEMPERATURE COMPOSITE MATERIALS WITH EROSION RESISTANT SEAL COAT
[54] MATERIAUX COMPOSITES A TEMPERATURE ELEVEE COMPRENANT UN REVETEMENT D'ETANCHEITE RESISTANT A L'EROSION
[72] GARG, NITIN, US
[72] SUDRE, OLIVIER H, US
[72] JACKSON, RICHARD WESLEY, US
[71] RAYTHEON TECHNOLOGIES CORPORATION, US
[22] 2022-06-29
[41] 2023-01-23
[30] US (17/383,808) 2021-07-23

[21] 3,165,929 [13] A1
[51] Int.Cl. E02D 29/02 (2006.01) E04C 1/00 (2006.01) E04G 21/22 (2006.01)
[25] EN
[54] DRY-STACK MASONRY WALL SUPPORTED ON HOLLOW PILES
[54] MUR EN MACONNERIE LISSE SEC SOUTENU SUR DES PIEUX CREUX
[72] DAYSH, PAUL, US
[72] PERKO, HOWARD, US
[72] LYVER, TROY, US
[71] DAYSH DEVELOPMENTS, INC., US
[22] 2022-07-22
[41] 2023-01-22
[30] US (17/383,235) 2021-07-22

[21] 3,166,213 [13] A1
[51] Int.Cl. E01H 5/06 (2006.01) E02F 3/76 (2006.01) E02F 3/85 (2006.01)
[25] EN
[54] ADJUSTABLE SNOW PLOW BLADE
[54] PALE DE CHASSE-NEIGE AJUSTABLE
[72] CHALMERS, STEVEN, US
[71] CHALMERS, STEVEN, US
[22] 2022-06-30
[41] 2023-01-28
[30] US (17/387,137) 2021-07-28

[21] 3,166,590 [13] A1
[51] Int.Cl. B03B 11/00 (2006.01) B03B 5/00 (2006.01)
[25] EN
[54] APPARATUS FOR PROCESSING AGGREGATE MATERIAL
[54] APPAREIL DE TRAITEMENT DE MATERIAUX AGREGES
[72] CONVERY, ANTHONY, GB
[71] CDE GLOBAL LIMITED, GB
[22] 2022-06-28
[41] 2023-01-23
[30] GB (GB2110627.3) 2021-07-23

[21] 3,166,733 [13] A1
[51] Int.Cl. F02C 9/22 (2006.01) F01D 11/22 (2006.01)
[25] EN
[54] SYSTEM AND METHOD FOR VARIABLE GEOMETRY MECHANISM CONFIGURATION
[54] SYSTEME ET METHODE DE CONFIGURATION DE MECANISME A GEOMETRIE VARIABLE
[72] BEAUCHESNE-MARTEL, PHILIPPE, CA
[72] DROLET, MARTIN, CA
[72] ROBERT, AXEL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-07-05
[41] 2023-01-22
[30] US (17/382,922) 2021-07-22

[21] 3,166,757 [13] A1
[51] Int.Cl. B64D 11/00 (2006.01) B64D 47/02 (2006.01)
[25] EN
[54] SYSTEMS AND METHODS FOR IMPROVED LIGHTING
[54] SYSTEMES ET PROCEDES D'ECLAIRAGE AMELIORE
[72] JOHANNESSEN, ERIC, US
[71] B/E AEROSPACE, INC., US
[22] 2022-07-05
[41] 2023-01-26
[30] US (17/385,690) 2021-07-26

[21] 3,166,767 [13] A1
[51] Int.Cl. B65G 53/04 (2006.01) E21B 41/00 (2006.01)
[25] EN
[54] DRY PRODUCT ADDITIVE UNIT
[54] UNITE D'ADDITIF DE PRODUIT SEC
[72] SMITH, JEFF, US
[72] SHARP, BRIAN, US
[72] PAYNE, MARK, US
[71] STEWART & STEVENSON LLC, US
[22] 2022-07-05
[41] 2023-01-28
[30] US (17/387,289) 2021-07-28

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<p>[21] 3,166,991 [13] A1</p> <p>[51] Int.Cl. H03H 7/01 (2006.01) H05K 9/00 (2006.01)</p> <p>[25] EN</p> <p>[54] ELECTROMAGNETIC WAVE SHIELDING FILTER</p> <p>[54] FILTRE DE PROTECTION CONTRE LES ONDES ELECTROMAGNETIQUES</p> <p>[72] SHIN, GUNIL, KR</p> <p>[71] SHIN, GUNIL, KR</p> <p>[22] 2022-07-06</p> <p>[41] 2023-01-23</p> <p>[30] KR (10-2021-0096783) 2021-07-23</p>

<p>[21] 3,167,545 [13] A1</p> <p>[25] EN</p> <p>[54] ABRUPT INTERFERENCE MITIGATION</p> <p>[54] ATTENUATION D'INTERFERENCE SOUDAINE</p> <p>[72] BENCH, JEFFREY B., US</p> <p>[72] THORP, BRIAN L., US</p> <p>[72] MCCARTHY, RHETT B., US</p> <p>[72] CAREY, SCOTT A., US</p> <p>[72] KENNEY, BRENT A., US</p> <p>[72] HUNT, PHILLIP, US</p> <p>[71] L3HARRIS TECHNOLOGIES, INC., US</p> <p>[22] 2022-07-13</p> <p>[41] 2023-01-28</p> <p>[30] US (17/387,705) 2021-07-28</p>
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<p>[21] 3,167,565 [13] A1</p> <p>[51] Int.Cl. B01F 23/50 (2022.01) B01F 27/112 (2022.01) B01F 35/71 (2022.01) E21B 43/267 (2006.01) C09K 8/80 (2006.01)</p> <p>[25] EN</p> <p>[54] INTEGRATED BLENDER AND FRICTION REDUCER SYSTEM</p> <p>[54] MELANGEUR INTEGRE ET SYSTEME DE REDUCTION DU FROTTEMENT</p> <p>[72] SHARP, BRIAN, US</p> <p>[72] SMITH, PAUL, US</p> <p>[72] EVEZIC, ERIC, US</p> <p>[72] SMITH, JEFF, US</p> <p>[71] STEWART & STEVENSON LLC, US</p> <p>[22] 2022-07-13</p> <p>[41] 2023-01-28</p> <p>[30] US (17/387,291) 2021-07-28</p>
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<p>[21] 3,167,690 [13] A1</p> <p>[51] Int.Cl. F01D 17/16 (2006.01) F02C 7/28 (2006.01) F02C 9/22 (2006.01)</p> <p>[25] EN</p> <p>[54] SEALING VARIABLE GUIDE VANES</p> <p>[54] AUBES DIRECTRICES VARIABLES ETANCHES</p> <p>[72] COUTU, DANIEL, CA</p> <p>[71] PRATT & WHITNEY CANADA CORP., CA</p> <p>[22] 2022-07-14</p> <p>[41] 2023-01-23</p> <p>[30] US (17/383,713) 2021-07-23</p>

<p>[21] 3,167,914 [13] A1</p> <p>[51] Int.Cl. F16G 11/00 (2006.01) A62B 1/18 (2006.01) A63B 29/02 (2006.01) B64D 1/00 (2006.01) B66C 1/22 (2006.01) F16B 45/00 (2006.01)</p> <p>[25] EN</p> <p>[54] A MODULAR ATTACHMENT DEVICE FOR INSERTION INTO A PLURALITY OF STRANDS OF A BRAIDED ROPE</p> <p>[54] DISPOSITIF DE FIXATION MODULAIRE POUR L'INSERTION DANS UNE PLURALITE DE BRINS D'UNE CORDE TRESSEE</p>

<p>[21] 3,167,747 [13] A1</p> <p>[51] Int.Cl. A61B 5/11 (2006.01) A41D 13/00 (2006.01)</p> <p>[25] EN</p> <p>[54] ERGONOMICS IMPROVEMENT SYSTEMS HAVING WEARABLE SENSORS AND RELATED METHODS</p> <p>[54] SYSTEMES D'AMELIORATION DE L'ERGONOMIE COMPRENANT DES CAPTEURS A PORTER ET METHODES CONNEXES</p>

<p>[72] HEIDER, CHRISTOPH, DE</p> <p>[72] DINCA, ALEXANDRU, DE</p> <p>[72] VOGEL, DOMINIK, DE</p> <p>[71] AIRBUS HELICOPTERS DEUTSCHLAND GMBH, DE</p> <p>[22] 2022-03-31</p> <p>[41] 2023-01-26</p> <p>[30] EP (21400017.6) 2021-07-26</p>
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<p>[72] GEORGESON, GARY E., US</p> <p>[72] LAUGHLIN, BRIAN D., US</p> <p>[71] THE BOEING COMPANY, US</p> <p>[22] 2022-07-14</p> <p>[41] 2023-01-22</p> <p>[30] US (17/383,173) 2021-07-22</p>

<p>[21] 3,168,104 [13] A1</p> <p>[51] Int.Cl. G07F 19/00 (2006.01)</p> <p>[25] EN</p> <p>[54] CASH LEVEL OPTIMIZATION WITH AUTOCALIBRATION BACKGROUND</p> <p>[54] OPTIMISATION DE CAISSE AVEC ETALONNAGE AUTOMATIQUE EN ARRIERE-PLAN</p>
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<p>[72] WALSER, JOACHIM PAUL, DE</p> <p>[72] SICKINGER, CLEMENS, DE</p> <p>[72] BOHLEN, KARSTEN, DE</p> <p>[71] PLANFOCUS SOFTWARE GMBH, DE</p> <p>[22] 2022-07-15</p> <p>[41] 2023-01-27</p> <p>[30] US (17/300,514) 2021-07-27</p>
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<p>[21] 3,167,763 [13] A1</p> <p>[51] Int.Cl. A41D 27/00 (2006.01) A41D 13/00 (2006.01) A61B 5/11 (2006.01) G08B 21/02 (2006.01)</p> <p>[25] EN</p> <p>[54] ERGONOMICS IMPROVEMENT SYSTEMS HAVING WEARABLE SENSORS AND RELATED METHODS</p> <p>[54] SYSTEMES D'AMELIORATION DE L'ERGONOMIE COMPRENANT DES CAPTEURS A PORTER ET METHODES CONNEXES</p>

<p>[72] GEORGESON, GARY E., US</p> <p>[72] FARHANGDOUST, SAMAN OF, US</p> <p>[71] THE BOEING COMPANY, US</p> <p>[22] 2022-07-14</p> <p>[41] 2023-01-22</p> <p>[30] US (17/383,179) 2021-07-22</p>

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<p style="text-align: right; margin-bottom: 0;">[21] 3,168,161</p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. G01R 29/08 (2006.01) G01T 1/16 (2006.01)</p> <p>[25] EN</p> <p>[54] X-RAY AND PHOTODETECTION USING PHOTOINDUCED MAGNETOELECTRIC EFFECT</p> <p>[54] RAYON X ET PHOTODETECTION AU MOYEN D'UN EFFET MAGNETOELECTRIQUE PHOTO-INDUIT</p> <p>[72] ALBERT, MITCHELL, CA</p> <p>[72] SHEPELYTSKYI, YURII, CA</p> <p>[72] HANE, FRANCIS, CA</p> <p>[72] ZAVISLYAK, IGOR, CA</p> <p>[71] LAKEHEAD UNIVERSITY, CA</p> <p>[22] 2022-07-19</p> <p>[41] 2023-01-23</p> <p>[30] US (63/225,102) 2021-07-23</p>	<p style="text-align: right; margin-bottom: 0;">[21] 3,168,183</p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. F24F 1/04 (2011.01) F24F 1/029 (2019.01) F24F 1/0323 (2019.01) F24F 13/20 (2006.01) F24F 13/32 (2006.01)</p> <p>[25] EN</p> <p>[54] EXPANDABLE ENVIRONMENTAL CONTROL UNIT</p> <p>[54] UNITE DE COMMANDE ENVIRONNEMENTALE EXPANSIBLE</p> <p>[72] ESSO, DEREK P., US</p> <p>[71] AAR MANUFACTURING, INC., US</p> <p>[22] 2022-07-19</p> <p>[41] 2023-01-26</p> <p>[30] US (17/385,306) 2021-07-26</p>	<p style="text-align: right; margin-bottom: 0;">[21] 3,168,367</p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. A61N 5/10 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR CONTROLLING THE RADIOTHERAPY TREATMENT OF CANCER PATIENTS AND RELATED CONTROL DEVICE</p> <p>[54] METHODE POUR CONTROLER LE TRAITEMENT PAR RADIOTHERAPIE DES PATIENTS ATTEINTS DU CANCER ET DISPOSITIF DE COMMANDE CONNEXE</p> <p>[72] DI FRANCESCO, MASSIMO, IT</p> <p>[72] BARONE, SALVATORE, IT</p> <p>[72] DI MARTINO, FABIO, IT</p> <p>[72] GALASSO, VINCENZO, IT</p> <p>[72] FELICI, GIUSEPPE, IT</p> <p>[71] S.I.T. SORDINA IORT TECHNOLOGIES SPA, IT</p> <p>[22] 2022-07-20</p> <p>[41] 2023-01-22</p> <p>[30] IT (102021000019520) 2021-07-22</p>
<p style="text-align: right; margin-bottom: 0;">[21] 3,168,180</p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. B64C 19/00 (2006.01)</p> <p>[25] FR</p> <p>[54] DEVICE FOR ASSISTING AN AIRCRAFT FLIGHT CONTROL DURING ACCELERATION UPON TAXIING TO CONTROL ITS SPEED; ASSOCIATED AIRCRAFT AND PROCEDURES</p> <p>[54] DISPOSITIF D'AIDE AU PILOTAGE EN ACCELERATION D'UN AERONEF AU TAXIAGE EN VUE DE CONTROLER SA VITESSE, AERONEF ET PROCEDES ASSOCIES</p> <p>[72] BEAUCAMP, ANGELIQUE, FR</p> <p>[72] FILLET, LAURENT, FR</p> <p>[72] LE CORRE, NICOLAS, FR</p> <p>[71] DASSAULT AVIATION, FR</p> <p>[22] 2022-07-19</p> <p>[41] 2023-01-26</p> <p>[30] FR (FR 21 08070) 2021-07-26</p>	<p style="text-align: right; margin-bottom: 0;">[21] 3,168,329</p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. F21S 9/02 (2006.01)</p> <p>[25] EN</p> <p>[54] NETWORKED LIGHTING CONTROL SYSTEM WITH DEDICATED KEEPALIVE NORMAL POWER EMERGENCY PROTOCOL</p> <p>[54] SYSTEME DE COMMANDE D'ECLAIRAGE EN RESEAU COMPRENANT UN PROTOCOLE D'URGENCE CONSACRE D'ENTRETIEN DE PUISSANCE NORMALE</p> <p>[72] ZAVERUHA, RYAN A., US</p> <p>[72] WESTRICK, JR., RICHARD L., US</p> <p>[71] ABL IP HOLDING LLC, US</p> <p>[22] 2022-07-20</p> <p>[41] 2023-01-26</p> <p>[30] US (17/385,229) 2021-07-26</p>	<p style="text-align: right; margin-bottom: 0;">[21] 3,168,382</p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. B42D 15/04 (2006.01) A63H 33/38 (2006.01)</p> <p>[25] EN</p> <p>[54] GREETING CARDS WITH POP-UP LOCK</p> <p>[54] CARTE DE SOUHAITS AVEC VERROU POUR DECOUPES</p> <p>[72] KELLY, CHARLES ROBERT, US</p> <p>[71] AMERICAN GREETINGS CORPORATION, US</p> <p>[22] 2022-07-20</p> <p>[41] 2023-01-28</p> <p>[30] US (17/386,972) 2021-07-28</p>
<p style="text-align: right; margin-bottom: 0;">[21] 3,168,362</p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. E21B 15/00 (2006.01) E21B 15/04 (2006.01)</p> <p>[25] EN</p> <p>[54] ADJUSTABLE DRILLING RIG</p> <p>[54] INSTALLATION DE FORAGE AJUSTABLE</p> <p>[72] KING, CHRISTOPHER TYLER, US</p> <p>[71] K & K INNOVATIONS LTD, US</p> <p>[22] 2022-07-20</p> <p>[41] 2023-01-22</p> <p>[30] US (17/383,067) 2021-07-22</p>	<p style="text-align: right; margin-bottom: 0;">[21] 3,168,394</p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. E21B 41/00 (2006.01) E21B 43/26 (2006.01)</p> <p>[25] EN</p> <p>[54] INTEGRATED HIGH-PRESSURE UNIT</p> <p>[54] UNITE A HAUTE PRESSION INTEGREE</p> <p>[72] COOK, JAMES, US</p> <p>[72] MASSEY, COREY, US</p> <p>[72] VRLA, CHAD, US</p> <p>[71] FMC TECHNOLOGIES, INC., US</p> <p>[22] 2022-07-20</p> <p>[41] 2023-01-26</p> <p>[30] US (17/385,253) 2021-07-26</p>	

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<p>[21] 3,168,410 [13] A1</p> <p>[51] Int.Cl. A61M 3/02 (2006.01) A61H 35/00 (2006.01) A61M 3/04 (2006.01)</p> <p>[25] EN</p> <p>[54] DISPOSABLE DEVICE FOR INTIMATE HYGIENE</p> <p>[54] DISPOSITIF JETABLE POUR L'HYGIENE INTIME</p> <p>[72] LOGARZO, MARCUS AUGUSTUS CASTROPIL, BR</p> <p>[71] MIX FOR YOU LTDA, BR</p> <p>[22] 2022-07-21</p> <p>[41] 2023-01-23</p> <p>[30] BR (102021014513-7) 2021-07-23</p>
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<p>[21] 3,168,411 [13] A1</p> <p>[51] Int.Cl. F01D 21/10 (2006.01) F03D 80/40 (2016.01) B64D 15/20 (2006.01) F01D 5/16 (2006.01) F01D 17/02 (2006.01) F01D 25/06 (2006.01)</p> <p>[25] EN</p> <p>[54] FAN ICING DETECTION SYSTEM</p> <p>[54] SISTÈME DE DÉTECTION DE GIVRAGE DE SOUFFLANTE</p> <p>[72] RIVERIN, GUY, CA</p> <p>[71] PRATT & WHITNEY CANADA CORP., CA</p> <p>[22] 2022-07-20</p> <p>[41] 2023-01-23</p> <p>[30] US (17/383,695) 2021-07-23</p>

<p>[21] 3,168,423 [13] A1</p> <p>[25] EN</p> <p>[54] DEAD-END PLUGS FOR SOLAR CABLES AND RELATED SYSTEMS AND METHODS</p> <p>[54] BOUCHONS EN CUL DE SAC POUR DES CABLES SOLAIRES ET SYSTEMES ET MÉTHODES CONNEXES</p> <p>[72] RIBEIRO, DANIEL FERREIRA, US</p> <p>[72] ROSENKRANZ, FRANK, AT</p> <p>[72] MAHER, KATHRYN MARIE, US</p> <p>[72] DENDAS, FREDDY JEAN PHILIP, NL</p> <p>[72] SCHUSTER, MATTHEW, US</p> <p>[72] DRAUGHN, AUSTIN, US</p> <p>[71] TE CONNECTIVITY NEDERLAND BV, NL</p> <p>[71] TYCO ELECTRONICS AUSTRIA GMBH, AT</p> <p>[71] TE CONNECTIVITY SOLUTIONS GMBH, CH</p> <p>[22] 2022-07-20</p> <p>[41] 2023-01-23</p> <p>[30] US (63/225328) 2021-07-23</p>
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<p>[21] 3,168,428 [13] A1</p> <p>[51] Int.Cl. C25B 9/67 (2021.01) H01M 8/04701 (2016.01) H01M 8/2484 (2016.01) C25B 1/23 (2021.01) C25B 9/73 (2021.01) C25B 15/021 (2021.01) C25B 1/04 (2021.01) H01M 8/04 (2016.01)</p> <p>[25] FR</p> <p>[54] ELECTROCHEMICAL APPARATUS OPERATING AT A HIGH TEMPERATURE AND THE ASSOCIATED PROCESS</p> <p>[54] INSTALLATION ELECTROCHIMIQUE OPERANT À HAUTE TEMPERATURE ET PROCÉDÉ ASSOCIE</p> <p>[72] SELLINI, MARC, FR</p> <p>[72] BOYAUXT, XAVIER, FR</p> <p>[72] DE SORBIER, THIBAULT, FR</p> <p>[71] TECHNIP ENERGIES FRANCE, FR</p> <p>[22] 2022-07-21</p> <p>[41] 2023-01-22</p> <p>[30] FR (21/07954) 2021-07-22</p>
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<p>[21] 3,168,453 [13] A1</p> <p>[51] Int.Cl. F25B 39/04 (2006.01) F25B 9/00 (2006.01) F28D 5/00 (2006.01)</p> <p>[25] EN</p> <p>[54] EVAPORATIVELY COOLED REFRIGERATION SYSTEM AND METHOD</p> <p>[54] SISTÈME DE REFRIGÉRATION REFROIDI PAR ÉVAPORATION ET MÉTHODE</p> <p>[72] WALKER, JONATHAN, US</p> <p>[72] LIU, ZAN, US</p> <p>[71] SPX COOLING TECHNOLOGIES, INC., US</p> <p>[22] 2022-07-21</p> <p>[41] 2023-01-22</p> <p>[30] US (63,224,600) 2021-07-22</p>

<p>[21] 3,168,462 [13] A1</p> <p>[51] Int.Cl. H04N 21/25 (2011.01) H04N 21/258 (2011.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR MANAGING ADVERTISEMENT</p> <p>[54] MÉTHODE DE GESTION DE PUBLICITE</p> <p>[72] SUNG, PEI-LUN, TW</p> <p>[71] SPL DESIGN CO. LTD., TW</p> <p>[22] 2022-07-21</p> <p>[41] 2023-01-22</p> <p>[30] TW (110127013) 2021-07-22</p>

<p>[21] 3,168,467 [13] A1</p> <p>[51] Int.Cl. G01N 23/00 (2006.01) B33Y 50/00 (2015.01) G01N 23/046 (2018.01) G01N 23/02 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR MONITORING AND/OR CALIBRATING A DEVICE DESIGNED FOR THE THREE-DIMENSIONAL X-RAY OPTICAL INSPECTION OF SEEDLINGS IN DIFFERENT GROWTH PHASES</p> <p>[54] METHODE DE SURVEILLANCE ET/OU D'ÉTALONNAGE D'UN DISPOSITIF CONCU POUR L'INSPECTION OPTIQUE TRIDIMENSIONNELLE PAR RAYON X DE SEMIS A DIFFÉRENTES PHASES DE CROISSANCE</p> <p>[72] PORSCHE, FELIX, DE</p> <p>[72] WOLFF, ANTJE, DE</p> <p>[72] GELZ, ANDREAS, DE</p> <p>[72] GOTZ, YVONNE, DE</p> <p>[72] NEUHOFF, MARC, DE</p> <p>[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG ANGEWANDTEN FORSCHUNG E.V., DE</p> <p>[71] STRUBE D&S GMBH, DE</p> <p>[22] 2022-07-21</p> <p>[41] 2023-01-23</p> <p>[30] DE (10 2021 207 924.5) 2021-07-23</p>
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<p>[21] 3,168,500 [13] A1</p> <p>[51] Int.Cl. G01C 25/00 (2006.01) G01S 7/497 (2006.01)</p> <p>[25] EN</p> <p>[54] AUTOMATIC EXTRINSIC CALIBRATION USING SENSED DATA AS A TARGET</p> <p>[54] ÉTALONNAGE EXTRINSEQUE AUTOMATIQUE UTILISANT LES DONNÉES détECTées COMME CIBLE</p> <p>[72] HAEUSLER, PHILLIP, US</p> <p>[71] EMBARK TRUCKS INC., US</p> <p>[22] 2022-07-21</p> <p>[41] 2023-01-23</p> <p>[30] US (17/383,504) 2021-07-23</p>

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[21] **3,168,515**
 [13] A1

[51] Int.Cl. G06F 17/16 (2006.01)
 [25] EN
 [54] SYSTEM AND METHOD FOR LOW RANK TRAINING OF NEURAL NETWORKS
 [54] SYSTEME ET METHODE D'ENTRAINEMENT DE BAS NIVEAU DE RESEAUX NEURONAUX
 [72] KAMALAKARA, SIDDHARTHA RAO, CA
 [72] VENKITESH, BHARAT, CA
 [72] GOMEZ, AIDAN N., CA
 [72] LOCATELLI, ACYR FLAVIO NETO, CA
 [71] COHERE INC., CA
 [22] 2022-07-21
 [41] 2023-01-23
 [30] US (63/203,454) 2021-07-23

[21] **3,168,521**
 [13] A1

[51] Int.Cl. F24F 13/10 (2006.01) F16K 1/22 (2006.01) F16K 1/32 (2006.01)
 [25] EN
 [54] VOLUME DAMPER INSERT
 [54] PIECE DE REGISTRE DE VOLUME D'AIR
 [72] BANGER, BALRAJ, CA
 [71] BANGER, BALRAJ, CA
 [22] 2022-07-21
 [41] 2023-01-26
 [30] US (63225754) 2021-07-26

[21] **3,168,522**
 [13] A1

[51] Int.Cl. A23L 13/00 (2016.01) A23L 5/10 (2016.01) A23L 13/40 (2023.01) A23L 27/00 (2016.01) A23L 27/27 (2016.01) A23L 13/77 (2023.01)
 [25] EN
 [54] METHOD OF PREPARING AND PACKAGING A FOOD PRODUCT
 [54] METHODE DE PREPARATION ET D'EMBALLAGE D'UN PRODUIT ALIMENTAIRE
 [72] GRUBER, DENNIS, US
 [71] STAMPEDE MEAT, INC., US
 [22] 2022-07-20
 [41] 2023-01-22
 [30] US (17/382538) 2021-07-22

[21] **3,168,536**
 [13] A1

[51] Int.Cl. B64D 33/00 (2006.01) A62C 3/08 (2006.01) B64D 37/30 (2006.01) B64D 37/32 (2006.01) B64D 37/34 (2006.01) F01D 25/32 (2006.01) F02C 7/16 (2006.01) F23R 3/00 (2006.01)
 [25] EN
 [54] AIRCRAFT ENGINE WITH HYDROGEN FUEL SYSTEM
 [54] MOTEUR D'AERONEF ET CIRCUIT DE CARBURANT D'HYDROGÈNE
 [72] HU, TIN-CHEUNG JOHN, CA
 [71] PRATT & WHITNEY CANADA CORP., CA
 [22] 2022-07-21
 [41] 2023-01-28
 [30] US (17/386,933) 2021-07-28

[21] **3,168,539**
 [13] A1

[51] Int.Cl. F02C 7/12 (2006.01) F01D 25/12 (2006.01) F02C 7/14 (2006.01) F02C 7/224 (2006.01)
 [25] EN
 [54] DUAL CYCLE INTERCOOLED ENGINE ARCHITECTURES
 [54] ARCHITECTURES DE MOTEUR A REFROIDISSEMENT INTERMEDIAIRE DOUBLE CYCLE
 [72] SMITH, SCOTT, CA
 [71] PRATT & WHITNEY CANADA CORP., CA
 [22] 2022-07-21
 [41] 2023-01-22
 [30] US (17/383,120) 2021-07-22

[21] **3,168,551**
 [13] A1

[51] Int.Cl. B01D 46/52 (2006.01) B01D 39/00 (2006.01)
 [25] EN
 [54] FILTER WITH ELECTRICALLY-CONDUCTIVE WRAP
 [54] FILTRE A ENVELOPPE CONDUCTRICE ELECTRIQUEMENT
 [72] KATHAN, KYLE R., US
 [71] PALL CORPORATION, US
 [22] 2022-07-22
 [41] 2023-01-22
 [30] US (17/383,204) 2021-07-22

[21] **3,168,559**
 [13] A1

[51] Int.Cl. B64C 19/00 (2006.01)
 [25] FR
 [54] DEVICE FOR ASSISTING AN AIRCRAFT FLIGHT CONTROL DURING TAXIING, USING AT LEAST ONE ENGINE AND AT LEAST ONE BRAKING ELEMENT; ASSOCIATED AIRCRAFT AND PROCEDURE
 [54] DISPOSITIF D'AIDE AU PILOTAGE D'UN AERONEF AU TAXIAGE, UTILISANT AU MOINS UN MOTEUR ET AU MOINS UN ORGANE DE FREINAGE, AERONEF ET PROCEDE ASSOCIES
 [72] BEAUCAMP, ANGELIQUE, FR
 [72] LE CORRE, NICOLAS, FR
 [72] PINEAU, FRANCOIS, FR
 [71] DASSAULT AVIATION, FR
 [22] 2022-07-22
 [41] 2023-01-26
 [30] FR (21 08073) 2021-07-26

[21] **3,168,575**
 [13] A1

[51] Int.Cl. G16H 40/67 (2018.01) G16H 50/20 (2018.01) A61B 1/227 (2006.01) A61B 5/01 (2006.01) A61B 5/021 (2006.01) A61B 5/024 (2006.01) A61B 5/1455 (2006.01) A61B 7/04 (2006.01)
 [25] EN
 [54] REMOTE DIAGNOSTIC SYSTEM WITH PORTABLE DIAGNOSTIC DEVICES AND METHOD THEREFOR
 [54] SYSTEME DE DIAGNOSTIC ELOIGNE COMPRENANT DES DISPOSITIFS DE DIAGNOSTIC PORTATIFS ET METHODE CONNEXE
 [72] SLAMA, ANJA, CA
 [72] JOUINI, IMED, CA
 [71] HIGHWAY INNOVATION INC., CA
 [22] 2022-07-22
 [41] 2023-01-23
 [30] US (63/225,293) 2021-07-23

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<p style="text-align: right;">[21] 3,168,585 [13] A1</p> <p>[51] Int.Cl. F17C 13/04 (2006.01) B65D 1/20 (2006.01) F17C 13/02 (2006.01) [25] EN [54] TANK VALVE SYSTEM WITH COMBINED OVERFILL PREVENTION AND FUEL LEVEL INDICATION [54] SYSTEME DE SOUPAPE DE RESERVOIR AVEC PREVENTION DE REMPLISSAGE EXCESSIF ET INDICATION DE NIVEAU DE CARBURANT COMBINEES [72] NEWMAN, SHMUEL DOVID, US [72] CHANG, CHIN-CHENG, US [71] YSN IMPORTS, LLC, US [22] 2022-07-22 [41] 2023-01-22 [30] US (63/224,826) 2021-07-22</p>	<p style="text-align: right;">[21] 3,168,677 [13] A1</p> <p>[51] Int.Cl. B60R 3/02 (2006.01) B60Q 1/26 (2006.01) [25] EN [54] BOX STEP WITH MULTI-PURPOSE LIGHTING [54] MARCHEPIED A ECLAIRAGE POLYVALENT [72] WATSON, BRADLEY E., CA [72] NELSON, DEANE, CA [71] MAGNA EXTERIORS INC., CA [22] 2022-07-22 [41] 2023-01-23 [30] US (63/224,983) 2021-07-23</p>	<p style="text-align: right;">[21] 3,168,944 [13] A1</p> <p>[51] Int.Cl. B61D 5/00 (2006.01) B61D 27/00 (2006.01) [25] EN [54] RAILCAR HEATING ASSEMBLY [54] ASSEMBLAGE DE CHAUFFAGE DE WAGON [72] ALDREDGE, CODY, US [71] TRINITY RAIL GROUP, LLC, US [22] 2022-07-22 [41] 2023-01-28 [30] US (63/226,397) 2021-07-28</p>
<p style="text-align: right;">[21] 3,168,624 [13] A1</p> <p>[51] Int.Cl. G06Q 10/1053 (2023.01) [25] EN [54] PROVIDING AN INTERFACE FOR INTERVIEW SESSIONS [54] FOURNITURE D'UNE INTERFACE POUR DES SEANCES D'ENTREVUE [72] SHEA, JONATHAN T., US [72] COULBOURNE, STEVEN, US [72] TAYLOR, JAMIE, US [72] GREENE, ABIGAIL, US [72] RAMA, DEEPAK SHANMUKHA, US [72] BOGAVELLI, KRISHNA, US [72] BINNS, ELIZABETH ASHLEY, US [72] GILES, WILLIAM, US [71] CAPITAL ONE SERVICES, LLC, US [22] 2022-07-25 [41] 2023-01-28 [30] US (17/443,919) 2021-07-28</p>	<p style="text-align: right;">[21] 3,168,688 [13] A1</p> <p>[51] Int.Cl. B67D 1/08 (2006.01) B67D 7/80 (2010.01) F25B 25/00 (2006.01) [25] EN [54] IMPROVED COOLING OF BEVERAGE DISPENSER [54] REFROIDISSEMENT AMELIORE D'UN DISTRIBUTEUR A BREUVAGE [72] SCHUCKER, JOSEF, CH [71] RIPRUP COMPANY S.A., GB [22] 2022-07-22 [41] 2023-01-23 [30] EP (EP21187500.0) 2021-07-23</p>	<p style="text-align: right;">[21] 3,168,956 [13] A1</p> <p>[51] Int.Cl. E21B 43/114 (2006.01) E21B 34/14 (2006.01) [25] EN [54] ENERGY RETAINING TOE VALVE [54] CLAPET DE RETENUE D'ENERGIE [72] LINDSTRAND, TYLER, CA [72] BERRYMAN, RANDY, CA [71] TRYTON TOOL SERVICES LIMITED PARTNERSHIP, CA [22] 2022-07-26 [41] 2023-01-26 [30] US (63/203,522) 2021-07-26</p>
<p style="text-align: right;">[21] 3,168,647 [13] A1</p> <p>[51] Int.Cl. A23C 19/09 (2006.01) A23L 5/00 (2016.01) A23C 19/14 (2006.01) A21D 13/43 (2017.01) A21D 13/04 (2017.01) [25] EN [54] CHEESE WRAP AND METHOD FOR MAKING A CHEESE WRAP [54] ROULE DE FROMAGE ET METHODE DE FABRICATION [72] LOTITO, CHRISTOPHER L., US [71] LOTITO FOODS HOLDING, LLC, US [22] 2022-07-22 [41] 2023-01-22 [30] US (17/383,167) 2021-07-22</p>	<p style="text-align: right;">[21] 3,168,930 [13] A1</p> <p>[51] Int.Cl. G06Q 10/063 (2023.01) G06Q 10/0635 (2023.01) [25] EN [54] MACHINE LEARNING POWERED ANOMALY DETECTION FOR MAINTENANCE WORK ORDERS [54] DETECTION D'ANOMALIES FONDÉE SUR L'APPRENTISSAGE AUTOMATIQUE POUR LES BONS DE TRAVAIL D'ENTRETIEN [72] ESMALIFALAK, MOHAMMAD, CA [72] IYENGAR, AKSHAY, CA [72] MIRHOSEINIINEJAD, SEYEDMORETEZA, CA [72] DOUGLAS, PETER, CA [72] EMERY, FRANCIS, CA [72] MATHEWSON, TAYLOR, CA [72] HOGAN, WILLIAM, CA [72] YU, MIN HUA, CA [71] FIIX INC., CA [22] 2022-07-22 [41] 2023-01-23 [30] US (17/384,181) 2021-07-23</p>	<p style="text-align: right;">[21] 3,168,961 [13] A1</p> <p>[51] Int.Cl. B67D 7/32 (2010.01) B67D 7/56 (2010.01) B65B 3/26 (2006.01) G01F 23/16 (2006.01) [25] EN [54] METHODS AND SYSTEMS FOR FLUID CONTAINER VOLUME INDICATOR [54] METHODES ET SYSTEMES POUR UN INDICATEUR DE VOLUME DE CONTENANT A FLUIDES [72] IHDE, JEFFERY R., US [72] BELLILE, BRIAN RANDALL, US [71] ILLINOIS TOOL WORKS INC., US [22] 2022-07-26 [41] 2023-01-26 [30] US (63/225,702) 2021-07-26 [30] US (17/872,960) 2022-07-25</p>

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[72] ROSSER, NICHOLAS, GB
[72] CARNEY, IEUAN MATTHEW, GB
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 [72] WILES, JASON ALLAN, US
 [72] KARRA, SRINIVASA, US
 [72] SAULNIER, MARK GEORGE, US
 [72] CHEN, JESSE JINGYANG, US
 [72] SPROTT, KEVIN TYLER, US
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 [72] ISERNHAGEN, CHRISTOPH FABIAN, DE
 [72] SCHLESIGER, OLIVER, DE
 [72] JARCK, FLORIAN, DE
 [71] FPI FOOD PROCESSING INNOVATION GMBH + CO. KG, DE
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 [54] AGENTS THERAPEUTIQUES POUR LA DEGRADATION DE BRAF MUTANTE
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 [72] JACKSON, KATRINA L., US
 [72] LIANG, YANKE, US
 [72] YU, ROBERT T., US
 [72] DUPLESSIS, MARTIN, US
 [72] FITZGERALD, MARK E., US
 [72] GARZA, VICTORIA, US
 [72] GOOD, ANDREW CHARLES, US
 [72] O'SHEA, MORGAN WELZEL, US
 [72] VEITS, GESINE KERSTIN, US
 [72] DOLENTE, COSIMO, CH
 [72] HEWINGS, DAVID STEPHEN, CH
 [72] HUNZIKER, DANIEL, CH
 [72] KRUMMENACHER, DANIELA, CH
 [72] PETTAZZONI, PIERGIORGIO FRANCESO TOMMASO, CH
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 [71] C4 THERAPEUTICS, INC., US
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[54] NOUVEAUX ANALOGUES DE LA 2-PYRIMIDONE UTILISES COMME AGENTS ANTIVIRAUX PUISSANTS CONTRE LES ALPHAVIRUS

[72] PATHAK, ASHISH KUMAR, US

[72] AUGELLI-SZAFRAN, CORINNE E., US

[72] GARZAN, ATEFEH, US

[72] STREBLOW, DANIEL, US

[72] HAESE, NICOLE, US

[71] SOUTHERN RESEARCH INSTITUTE, US

[71] OREGON HEALTH AND SCIENCE UNIVERSITY, US

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[54] DISPOSITIF ET PROCEDE D'AGREGATION DE DONNEES PRIVEES SECURISEES

[72] ARTHUR, JAMES REID DESMOND, GB

[72] ROBINSON, LUKE ANTHONY WILLIAM, GB

[72] KEEN, HARRY RICHARD, GB

[71] HAZY LIMITED, GB

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[54] OUTIL AMELIORE POUR REGLER DES PIEDS PROFILES FACONNES POUR DES ELEMENTS DE MOBILIER

[72] CATTANEO, CARLO, IT

[71] LEONARDO S.R.L., IT

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[54] SYSTEMES ET PROCEDES PERMETTANT D'OBTENIR ET DE SURVEILLER LA RESPIRATION, LA FONCTION CARDIAQUE ET D'AUTRES DONNEES DE SANTE A PARTIR D'UNE ENTREE PHYSIQUE

[72] GUIDOBONI, GIOVANNA, US

[72] CHRONIS, GEORGE, US

[72] KURKOWSKI, SAMANTHA, US

[71] FORESITE HEALTHCARE, LLC, US

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[72] NAUTA, MARJOH, BE

[72] PEETERS, DIRK JOZEF, BE

[72] VAN DOORSLAER, TOM FRANK

STEVEN, BE

[72] BADKAR, ADVAIT VIJAY, US

[72] DARVARI, RAMIN, US

[72] WARNE, NICHOLAS WILLIAM, US

[72] JEAN, JAMES, US

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- [72] YE, DANWEI, US
- [72] DELLINGER, SHAWN, US
- [72] DEMORE, ANTHONY, US
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 - [72] ELMORE, ZACHARY, US
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- [54] PROCEDE POUR LA PREPARATION D'UN COMPOSANT DE CIMENT REACTIF OU ADDITIF POUR BETON REACTIF
- [72] WEITKAMPER, LARS, DE
- [72] RAUSCH, MARTIN, DE
- [72] GOSSMANN, DIRK, DE
- [72] VOLLRACHT, ANYA, DE
- [72] WOTRUBA, HERMANN, DE
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- [71] BIO-DIAGNOSTICS LIMITED, GB
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 - [72] LIU, HONGBIN, CN
 - [72] TAN, RUI, CN
 - [72] LI, ZHIFU, CN
 - [72] RONG, YUE, CN
 - [72] LIU, QIHONG, CN
 - [72] CHEN, ZHIFANG, CN
 - [72] CHEN, LING, CN
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- [72] DIAS, ANUSHA, US
- [72] DEROSA, FRANK, US
- [71] TRANSLATE BIO, INC., US
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 - [72] LECOINTE, BERTRAND, FR
 - [71] IFP ENERGIES NOUVELLES, FR
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- [71] GYNOV, FR
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 - [54] STRUCTURE DE REVETEMENT, PRODUIT DE TYPE FEUILLE ET UTILISATION ASSOCIEE
 - [72] HILTUNEN, JAAKKO, FI
 - [72] TURKKI, TARJA, FI
 - [71] KEMIRA OYJ, FI
 - [85] 2022-11-04
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- [72] TRAN, KHANG ANH, US
- [72] ZACHARIA, MINNIE, US
- [72] GU, XIAOBO, US
- [72] BOEGLIN, LIANNE, US
- [72] SKALESKI, JOSEPH A., US
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- [72] DEROSA, FRANK, US
- [72] FU, TONG-MING, US
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- [72] DUBINS, JEFFREY S., US
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 - [54] PROCEDES DE FABRICATION ET DE SYNTHESE DE COMPOSES COLORANTS FLUORESCENTS ET LEURS UTILISATIONS
 - [72] KULARATNE, SUMITH A., US
 - [72] GAGARE, PRAVIN, US
 - [71] ON TARGET LABORATORIES, LLC, US
 - [85] 2022-11-04
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- [25] EN
- [54] PYRAZINE COMPOUND, PREPARATION METHOD AND APPLICATION THEREOF
- [54] COMPOSE DE PYRAZINE, SON PROCEDE DE PREPARATION ET SON UTILISATION
- [72] YANG, XIFEI, CN
- [72] XIE, YONGMEI, CN
- [72] LI, SHUPENG, CN
- [71] SHENZHEN OLIVE BIOPHARMACEUTICALS CO., LTD, CN
- [85] 2022-11-04
- [86] 2021-07-30 (PCT/CN2021/109564)
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 - [25] EN
 - [54] HYDRAULIC STEERING SYSTEM AND MOBILE CRANE
 - [54] SYSTEME DE DIRECTION A ASSISTANCE HYDRAULIQUE ET GRUE MOBILE
 - [72] HU, XIAODONG, CN
 - [72] ZHU, TAO, CN
 - [72] YANG, JIANCHUN, CN
 - [72] REN, XIUZHI, CN
 - [72] DU, XIAOJIE, CN
 - [71] XUZHOU HEAVY MACHINERY CO., LTD., CN
 - [85] 2022-11-04
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- [25] FR
- [54] BIOCIDAL, ANTISEPTIC, NON-SOLVENT-BASED ENVIRONMENTALLY-FRIENDLY COATING CONTAINING METAL PARTICLES HAVING A FLAT LAMELLAR STRUCTURE
- [54] REVETEMENT BIOCIDE, ANTISEPTIQUE, ECOLOGIQUE NON SOLVANTE, AVEC PARTICULE METALLIQUE A STRUCTURE LAMELLAIRE PLATE
- [72] DESBOIS, MICHEL, FR
- [71] MAGGUILLI, STEPHANE, CH
- [85] 2022-11-04
- [86] 2021-05-11 (PCT/EP2021/062556)
- [87] (WO2021/228902)
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 - [25] EN
 - [54] A HIGH SPF SKIN CLEANSING COMPOSITION
 - [54] COMPOSITION DE NETTOYAGE DE LA PEAU A BASE DE FPS ELEVE
 - [72] BAPAT, MOHINI ANAND, IN
 - [72] LAHORKAR, PRAFUL GULAB RAO, IN
 - [72] PERUMAL, RAJKUMAR, IN
 - [72] TOMAR, NIKITA, IN
 - [72] VAIDYA, ASHISH ANANT, IN
 - [71] UNILEVER GLOBAL IP LIMITED, GB
 - [85] 2022-11-04
 - [86] 2021-05-31 (PCT/EP2021/064527)
 - [87] (WO2021/245018)
 - [30] IN (202021023193) 2020-06-02
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- [25] EN
- [54] MULTI-EFFICACY PYRAZINE COMPOUND, PREPARATION METHOD AND USE THEREOF
- [54] COMPOSE DE PYRAZINE MULTI-EFFICACE, PROCEDE DE FABRICATION ET APPLICATION
- [72] XIE, YONGMEI, CN
- [72] LI, SHUPENG, CN
- [72] YANG, XIFEI, CN
- [71] SHENZHEN OLIVE BIOPHARMACEUTICALS CO., LTD, CN
- [85] 2022-11-04
- [86] 2021-07-30 (PCT/CN2021/109563)
- [87] (WO2022/022677)
- [30] CN (202010759395.9) 2020-07-31
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[54] SYSTEM AND METHODS FOR OPERATING A SOLENOID VALVE

[54] SYSTEME ET PROCEDES POUR FAIRE FONCTIONNER UNE ELECTROVANNE

[72] SCHRADER, KALE, US

[71] CAPSTAN AG SYSTEMS, INC., US

[85] 2022-11-04

[86] 2021-06-03 (PCT/US2021/035706)

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[30] US (62/704,932) 2020-06-03

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[25] EN

[54] METHOD AND APPARATUS FOR EXTRACTION USING CARBON DIOXIDE

[54] PROCEDE ET APPAREIL D'EXTRACTION AU MOYEN DE DIOXYDE DE CARBONE

[72] DE VRIES, TJERK JAN, NL

[72] HOFLAND, GERARD WILLEM, NL

[72] WOERLEE, GEERT FEYE, NL

[72] VALE, LOPES PAULO DINIS, NL

[71] FEYECON DEVELOPMENT & IMPLEMENTATION B.V., NL

[85] 2022-11-04

[86] 2021-05-07 (PCT/EP2021/062239)

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[25] EN

[54] INK COMPOSITION FOR WATER-BASED BALLPOINT PEN

[54] COMPOSITION D'ENCRE POUR STYLO A BILLE A BASE D'EAU

[72] ICHIKAWA, SHUJI, JP

[71] MITSUBISHI PENCIL COMPANY, LIMITED, JP

[85] 2022-11-04

[86] 2021-05-12 (PCT/JP2021/018061)

[87] (WO2021/235292)

[30] JP (2020-086613) 2020-05-18

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[51] Int.Cl. G01V 3/06 (2006.01) G01V 13/00 (2006.01)

[25] FR

[54] METHOD OF DETECTION IN AN ELECTRICALLY CONDUCTIVE MEDIUM

[54] PROCEDE DE DETECTION DANS UN MILIEU CONDUCTEUR DE L'ELECTRICITE

[72] DELPLANQUE, QUENTIN VINCENT, FR

[72] IFREK, LYSES, FR

[72] BOYER, FREDERIC, FR

[72] LEBASTARD, VINCENT PAUL YANNICK, FR

[71] ELWAVE, FR

[71] INSTITUT MINES TELECOM, FR

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[86] 2021-05-12 (PCT/EP2021/062741)

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[30] FR (FR2004882) 2020-05-15

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[51] Int.Cl. C07C 63/04 (2006.01) C12N 9/10 (2006.01) C12N 9/12 (2006.01) C12N 9/88 (2006.01) C12N 15/52 (2006.01) C12N 15/81 (2006.01)

[25] EN

[54] LARGE SCALE PRODUCTION OF OLIVETOL, OLIVETOLIC ACID AND OTHER ALKYL RESORCINOLS BY FERMENTATION

[54] PRODUCTION A GRANDE ECHELLE D'OLIVETOL, D'ACIDE OLIVETOLIQUE ET D'AUTRES ALKYLRESORCINOLS PAR FERMENTATION

[72] OHLER, NICK, US

[72] CONLEY, ANDREW, US

[72] FARINA, ANTHONY, US

[72] OUELLET, MARIO, US

[72] LENNEN, REBECCA, US

[72] ALIKHANI, AZADEH, US

[72] MELIS, DAVID, US

[72] HELD, MARK, US

[71] LYGOS, INC., US

[85] 2022-11-04

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[87] (WO2021/225952)

[30] US (63/022,038) 2020-05-08

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[54] VCP/P97 INHIBITOR FOR THE TREATMENT OF CANCER

[54] INHIBITEUR DE VCP/P97 POUR LE TRAITEMENT DU CANCER

[72] STUART, MONIC JAIN, US

[72] LE MOIGNE, RONAN, US

[72] ANDERSON, DANIEL JAMES, US

[72] ROLFE, MARK, US

[72] RAJANGAM, KANYA LAKSHMI, US

[72] DJAKOVIC, STEVAN NICHOLAS, US

[72] VARGAS, JESSE DANIEL, US

[71] CLEAVE THERAPEUTICS, INC., US

[85] 2022-11-04

[86] 2021-05-10 (PCT/US2021/031622)

[87] (WO2021/231323)

[30] US (63/023,120) 2020-05-11

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[54] IRON-BEARING ELECTRODES FOR ELECTROCHEMICAL CELLS

[54] ELECTRODES PORTANT DU FER POUR CELLULES ELECTROCHIMIQUES

[72] GIBSON, MICHAEL ANDREW, US

[72] CHIANG, YET-MING, US

[72] WOODFORD, WILLIAM HENRY, US

[71] FORM ENERGY, INC., US

[85] 2022-11-04

[86] 2021-05-06 (PCT/US2021/031182)

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 - [25] EN
 - [54] BIOLOGICALLY-DERIVED CARBON BLACK ALTERNATIVE AND METHOD OF MAKING THE SAME
 - [54] ALTERNATIVE AU NOIR DE CARBONE D'ORIGINE BIOLOGIQUE ET SON PROCEDE DE FABRICATION
 - [72] NAGARAJAN, APARNA, US
 - [72] DAVIES, FIONA, US
 - [72] FULBRIGHT, SCOTT, US
 - [72] ALBERS, STEVAN, US
 - [72] KIM, KANGMIN, US
 - [71] LIVING INK TECHNOLOGIES, LLC, US
 - [85] 2022-11-04
 - [86] 2021-05-07 (PCT/US2021/031431)
 - [87] (WO2021/226552)
 - [30] US (63/021,494) 2020-05-07
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[13] A1

- [51] Int.Cl. E01F 15/02 (2006.01)
 - [25] EN
 - [54] GLARE SCREEN SYSTEM
 - [54] SYSTEME D'ECRAN ANTI-EBLOUISSEMENT
 - [72] ELVIN-JENSEN, JUSTIN, CA
 - [71] INTERCRATE CONTAINER CORP., CA
 - [85] 2022-11-04
 - [86] 2021-05-10 (PCT/CA2021/050648)
 - [87] (WO2021/223037)
 - [30] US (63/022,195) 2020-05-08
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- [51] Int.Cl. G21F 1/04 (2006.01) B28B 1/00 (2006.01) B28B 11/24 (2006.01) B28C 5/00 (2006.01) B32B 13/00 (2006.01) C04B 22/00 (2006.01) C04B 24/00 (2006.01) C04B 28/14 (2006.01) G21F 1/06 (2006.01)
 - [25] EN
 - [54] NEUTRON BEAM SHIELDING GYPSUM-BASED BUILDING BOARD, AND METHOD OF MANUFACTURING NEUTRON BEAM SHIELDING GYPSUM-BASED BUILDING BOARD
 - [54] PANNEAU DE CONSTRUCTION A BASE DE GYPSE PROTECTEUR CONTRE LES FAISCEAUX DE NEUTRONS ET METHODE DE FABRICATION
 - [72] SATO, YOSUKE, JP
 - [72] NAITO, DAISUKE, JP
 - [72] OKAMOTO, NATSUKI, JP
 - [72] SUZUKI, MASAKI, JP
 - [72] IKEO, YOSAKU, JP
 - [72] KUSHIBE, ATSUMICHI, JP
 - [72] OKAMOTO, HAJIME, JP
 - [72] NORIMONO, TAKEMI, JP
 - [72] ODAKAWA, MASANOBU, JP
 - [71] YOSHINO GYPSUM CO., LTD., JP
 - [85] 2022-11-04
 - [86] 2021-05-27 (PCT/JP2021/020274)
 - [87] (WO2021/241707)
 - [30] JP (2020-094834) 2020-05-29
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 - [25] EN
 - [54] METHODS FOR IDENTIFYING A MEDICAL CONDITION IN A HUMAN SUBJECT
 - [54] PROCEDES D'IDENTIFICATION D'UN ETAT MEDICAL CHEZ UN HUMAIN
 - [72] TRIPATHI, ASHISH, AU
 - [71] 23 IKIGAI PTE LTD., SG
 - [85] 2022-11-06
 - [86] 2021-05-07 (PCT/SG2021/050254)
 - [87] (WO2021/225527)
 - [30] SG (10202004280V) 2020-05-08
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- [51] Int.Cl. B65D 6/10 (2006.01)
 - [25] EN
 - [54] CONTAINER FOR STORING PERISHABLE CONTENTS AND METHOD OF MAKING SAME
 - [54] RECIPIENT POUR LE STOCKAGE DE CONTENUS PERISSABLES ET SON PROCEDE DE FABRICATION
 - [72] ABDELHAMID, ALLA HUSSEIN, CA
 - [72] ROBERGE-FORTIN, SAMUEL, CA
 - [71] GROUPE CANAPA, CA
 - [71] ROBERGE-FORTIN, SAMUEL, CA
 - [85] 2022-11-07
 - [86] 2021-05-05 (PCT/CA2021/000041)
 - [87] (WO2021/223009)
 - [30] US (63/020,253) 2020-05-05
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- [51] Int.Cl. B65G 1/04 (2006.01)
- [25] EN
- [54] CONTAINER HANDLING VEHICLE WHICH CAN LOAD AND/OR UNLOAD ITSELF
- [54] VEHICULE DE MANUTENTION DE CONTENEURS POUVANT SE CHARGER ET/OU SE DECHARGER LUI-MEME
- [72] DJUVE, HEGGEBO JORGEN, NO
- [71] AUTOSTORE TECHNOLOGY AS, NO
- [85] 2022-11-07
- [86] 2021-05-18 (PCT/EP2021/063150)
- [87] (WO2021/239515)
- [30] NO (20200612) 2020-05-25
- [30] NO (20201315) 2020-11-30

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[25] EN
[54] TREATMENT OF ADVERSE EFFECTS CAUSED BY ATYPICAL ANTIPSYCHOTICS
[54] TRAITEMENT D'EFFETS SECONDAIRES PROVOQUES PAR DES ANTIPSYCHOTIQUES ATYPIQUES
[72] SUN, TAOLEI, CN
[71] SHENZHEN PROFOUND VIEW PHARMACEUTICAL TECHNOLOGY CO., LTD., CN
[85] 2022-11-07
[86] 2020-05-09 (PCT/CN2020/089320)
[87] (WO2021/226736)

[21] 3,178,026
[13] A1

[51] Int.Cl. G06F 16/2457 (2019.01)
[25] EN
[54] UNSUPERVISED TEXT SUMMARIZATION WITH REINFORCEMENT LEARNING
[54] RESUME DE TEXTE NON SUPERVISE AVEC APPRENTISSAGE PAR RENFORCEMENT
[72] KOHITA, RYOSUKE, JP
[72] WACHI, AKIFUMI, JP
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2022-11-07
[86] 2021-05-13 (PCT/IB2021/054096)
[87] (WO2021/234517)
[30] US (16/877,810) 2020-05-19

[21] 3,178,030
[13] A1

[51] Int.Cl. G06N 3/063 (2023.01) G06N 3/0464 (2023.01) G06N 3/084 (2023.01)
[25] EN
[54] EFFICIENT TILE MAPPING FOR ROW-BY-ROW CONVOLUTIONAL NEURAL NETWORK MAPPING FOR ANALOG ARTIFICIAL INTELLIGENCE NETWORK INFERENCE
[54] MAPPAGE EFFICACE EN MOSAIQUES POUR MAPPAGE DE RESEAU NEURONAL CONVOLUTIF LIGNE PAR LIGNE POUR INFERENCE DE RESEAU D'INTELLIGENCE ARTIFICIELLE ANALOGIQUE
[72] TSAI, HSINYU, US
[72] BURR, GEOFFREY, US
[72] NARAYANAN, PRITISH, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2022-11-07
[86] 2021-05-13 (PCT/IB2021/054105)
[87] (WO2021/240286)
[30] US (16/884,128) 2020-05-27

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[13] A1

[51] Int.Cl. H02K 15/00 (2006.01)
[25] EN
[54] APPARATUS AND METHOD FOR DEFORMING THE CONDUCTORS OF AT LEAST ONE WINDING ASSEMBLY, PROTRUDING FROM A SIDE OF A STATOR OR ROTOR OF AN ELECTRIC MACHINE
[54] APPAREIL ET PROCEDE DE DEFORMATION DES CONDUCTEURS D'AU MOINS UN ENSEMBLE D'ENROULEMENT, FAISANT SAILLIE A PARTIR D'UN COTE D'UN STATOR OU D'UN ROTOR D'UNE MACHINE ELECTRIQUE
[72] TANCREDI, SERGIO, IT
[72] RUGGIERI, GIOVANNI, IT
[72] RANALLI, GIUSEPPE, IT
[72] MICUCCI, MAURILIO, IT
[71] TECNOMATIC SPA, IT
[85] 2022-11-07
[86] 2021-10-29 (PCT/IB2021/060018)
[87] (WO2022/130053)
[30] IT (102020000030824) 2020-12-15

[21] 3,178,034
[13] A1

[51] Int.Cl. B30B 11/20 (2006.01)
[25] EN
[54] AN ASSEMBLY OF A PELLET PRESS AND A PELLET BREAKING DEVICE MOUNTED ON THE PELLET PRESS
[54] ENSEMBLE PRESSE DE PASTILLAGE ET DISPOSITIF DE CONCASSAGE DE PASTILLES MONTE SUR LA PRESSE DE PASTILLAGE
[72] VAN LINDENBERG, JAN-WILLEM, NL
[71] CPM EUROPE B.V., NL
[85] 2022-11-07
[86] 2020-05-12 (PCT/NL2020/050301)
[87] (WO2021/230741)

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[13] A1

[51] Int.Cl. A61L 2/07 (2006.01) A41D 13/11 (2006.01) A61L 2/24 (2006.01)
[25] EN
[54] METHOD AND APPARATUS FOR DECONTAMINATING ARTICLES IN A STEAM STERILIZER AT LOW TEMPERATURE
[54] PROCEDE ET APPAREIL DE DECONTAMINATION D'ARTICLES DANS UN STERILISATEUR A VAPEUR A BASSE TEMPERATURE
[72] MCCALL, DAVID F., US
[72] KLOBUSNIK, KENNETH J., US
[72] CHIFFON, MARK E., US
[71] AMERICAN STERLIZER COMPANY, US
[85] 2022-11-07
[86] 2021-05-14 (PCT/US2021/032388)
[87] (WO2021/231825)
[30] US (63/025,484) 2020-05-15
[30] US (17/319,662) 2021-05-13

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[13] A1

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- [25] EN
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- [54] ANTICORPS ANTI SIRP ALPHA ET ANTI SIRP BETA 1 HUMANISES ET LEURS UTILISATIONS
- [72] PANICKER, SANDIP, US
- [72] ROSENTHAL, ADAM DAVID, US
- [72] ROSE, EILEEN LINGSHU, US
- [71] ELECTRA THERAPEUTICS, INC., US
- [85] 2022-11-07
- [86] 2021-05-10 (PCT/US2021/031541)
- [87] (WO2021/226576)
- [30] US (63/022,309) 2020-05-08

[21] 3,178,039

[13] A1

- [51] Int.Cl. A61K 31/122 (2006.01) A61K 47/54 (2017.01) A61K 31/19 (2006.01)
- [25] EN
- [54] METHOD FOR TREATING PANCREATIC CANCER
- [54] METHODE DE TRAITEMENT DU CANCER DU PANCREAS
- [72] KULKARNI, ADITYA, US
- [72] BHATIA, KISHOR, US
- [71] LANTERN PHARMA INC., US
- [85] 2022-11-07
- [86] 2021-05-10 (PCT/US2021/031606)
- [87] (WO2021/226592)
- [30] US (63/022,242) 2020-05-08

[21] 3,178,040

[13] A1

- [51] Int.Cl. A61K 35/17 (2015.01)
- [25] EN
- [54] HYPOXIA-RESISTANT NATURAL KILLER CELLS
- [54] CELLULES TUEUSES NATURELLES RESISTANTES A L'HYPOTHE
- [72] O'DWYER, MICHAEL EAMON PETER, IE
- [72] HU, JINSONG, CN
- [71] ONK THERAPEUTICS LIMITED, IE
- [85] 2022-11-07
- [86] 2020-06-02 (PCT/EP2020/065228)
- [87] (WO2021/244733)

[21] 3,178,042

[13] A1

- [51] Int.Cl. G16H 10/60 (2018.01) G16H 20/10 (2018.01) G16H 50/30 (2018.01) G16H 70/40 (2018.01)
- [25] EN
- [54] POPULATION-BASED MEDICATION RISK STRATIFICATION AND PERSONALIZED MEDICATION RISK SCORE
- [54] STRATIFICATION DE RISQUE DE MEDICATION BASEE SUR UNE POPULATION ET SCORE DE RISQUE DE MEDICATION PERSONNALISE
- [72] TURGEON, JACQUES, US
- [72] MICHAUD, VERONIQUE, US
- [72] CICALI, BRIAN, US
- [71] TABULA RASA HEALTHCARE, INC., US
- [85] 2022-11-07
- [86] 2021-05-07 (PCT/US2021/031340)
- [87] (WO2021/226489)
- [30] US (16/870,517) 2020-05-08

[21] 3,178,043

[13] A1

- [51] Int.Cl. G01D 21/00 (2006.01)
- [25] EN
- [54] GENERATING A HYBRID SENSOR TO COMPENSATE FOR INTRUSIVE SAMPLING
- [54] GENERATION D'UN CAPTEUR HYBRIDE POUR COMPENSER UN ECHANTILLONNAGE INTRUSIF
- [72] ZHOU, NIANJUN, US
- [72] SUBRAMANIAN, DHARMASHANKAR, US
- [72] GIFFORD, WESLEY M., US
- [71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
- [85] 2022-11-07
- [86] 2021-05-14 (PCT/CN2021/093871)
- [87] (WO2021/249115)
- [30] US (16/895,651) 2020-06-08

[21] 3,178,044

[13] A1

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- [25] EN
- [54] SYSTEM FOR RETAINING A VALVE ASSEMBLY IN A CAVITY FORMED IN A CYLINDER BODY OF A COMPRESSOR AND METHOD OF USE THEREOF
- [54] SYSTEME DE RETENUE D'UN ENSEMBLE SOUPAPE DANS UNE CAVITE FORMEE DANS UN CORPS DE CYLINDRE D'UN COMPRESSEUR ET SON PROCEDE D'UTILISATION
- [72] MOHAMED, ZAHROOF, US
- [71] ZAHROOF VALVES INC., US
- [85] 2022-11-07
- [86] 2021-05-04 (PCT/US2021/030694)
- [87] (WO2021/226118)
- [30] US (16/870,678) 2020-05-08

[21] 3,178,047

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- [25] EN
- [54] MODIFIED IPSCS
- [54] IPSC MODIFIEES
- [72] HAMILTON, GARTH, GB
- [72] SEIDL, CHRISTINE, GB
- [71] ADAPTIMMUNE LIMITED, GB
- [85] 2022-11-07
- [86] 2021-05-11 (PCT/GB2021/051125)
- [87] (WO2021/229212)
- [30] GB (2006903.5) 2020-05-11

[21] 3,178,048

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- [51] Int.Cl. C01B 3/38 (2006.01) C01B 3/48 (2006.01) C01B 3/50 (2006.01) C01B 3/52 (2006.01) C01B 3/56 (2006.01)
- [25] EN
- [54] PROCESS FOR PRODUCING HYDROGEN
- [54] PROCEDE DE PRODUCTION D'HYDROGENE
- [72] COTTON, WILLIAM JOHN, GB
- [72] MCKENNA, MARK JOSEPH, GB
- [72] SADEQZADEH BOROUJENI, MAJID, GB
- [71] JOHNSON MATTHEY PUBLIC LIMITED COMPANY, GB
- [85] 2022-11-07
- [86] 2021-06-04 (PCT/GB2021/051394)
- [87] (WO2022/003312)
- [30] GB (2009969.3) 2020-06-30

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[21] 3,178,049

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- [25] EN
- [54] PROCESS FOR THE PRODUCTION OF HYDROGEN
- [54] PROCEDE DE PRODUCTION D'HYDROGÈNE
- [72] COTTON, WILLIAM JOHN, GB
- [72] MCKENNA, MARK JOSEPH, GB
- [72] SADEQZADEH BOROUJENI, MAJID, GB
- [71] JOHNSON MATTHEY PUBLIC LIMITED COMPANY, GB
- [85] 2022-11-07
- [86] 2021-06-04 (PCT/GB2021/051395)
- [87] (WO2022/003313)
- [30] GB (2009970.1) 2020-06-30

[21] 3,178,050

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- [25] EN
- [54] REAL-TIME PLANT DIAGNOSTIC SYSTEM AND METHOD FOR PLANT PROCESS CONTROL AND ANALYSIS
- [54] SYSTEME ET PROCEDE DE DIAGNOSTIC D'INSTALLATION INDUSTRIELLE EN TEMPS REEL POUR LA COMMANDE ET L'ANALYSE DE PROCESSUS DE L'INSTALLATION INDUSTRIELLE
- [72] SINKLER, WHARTON, US
- [72] CHENG, LINDA S., US
- [72] ADAMS, PAUL, US
- [72] HARRIS, JAMES W., US
- [71] UOP LLC, US
- [85] 2022-11-07
- [86] 2021-04-26 (PCT/US2021/029080)
- [87] (WO2021/225812)
- [30] US (63/022,029) 2020-05-08

[21] 3,178,053

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- [25] EN
- [54] ADJUSTABLE CEILING PANEL, METHOD OF MANUFACTURE, AND CEILING PANEL SYSTEM
- [54] PANNEAU DE PLAFOND REGLABLE, PROCEDE DE FABRICATION ET SYSTEME DE PANNEAU DE PLAFOND
- [72] MAGIN, MICHAEL, US
- [72] BAILEY, DAVID A., US
- [72] JONES, CHRISTOPHER G., US
- [71] CERTAINTEED CEILINGS CORPORATION, US
- [85] 2022-11-07
- [86] 2021-05-14 (PCT/US2021/032430)
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- [30] US (63/025,050) 2020-05-14

[21] 3,178,055

[13] A1

- [51] Int.Cl. D21C 9/08 (2006.01) D21H 17/37 (2006.01) D21H 21/02 (2006.01)
- [25] EN
- [54] METHOD FOR PITCH CONTROL DURING BLEACHING
- [54] PROCEDE DE CONTROLE DE POIX PENDANT LE BLANCHIMENT
- [72] ROBERTSEN, LEIF, FI
- [72] KONN, JONAS, FI
- [71] KEMIRA OYJ, FI
- [85] 2022-11-07
- [86] 2021-06-14 (PCT/FI2021/050441)
- [87] (WO2021/255335)
- [30] FI (20205630) 2020-06-16

[21] 3,178,056

[13] A1

- [51] Int.Cl. F17C 9/00 (2006.01)
- [25] EN
- [54] METHOD FOR EXTRACTING A LIQUID PHASE OF A CRYOGEN FROM A STORAGE DEWAR
- [54] PROCEDE D'EXTRACTION D'UNE PHASE LIQUIDE D'UN CRYOGENE A PARTIR D'UN VASE DE DEWAR
- [72] LOSE, NIELS, DE
- [72] LOSE, CALLE STEENBERG, DK
- [71] LINDE GMBH, DE
- [85] 2022-11-07
- [86] 2021-04-26 (PCT/EP2021/025156)
- [87] (WO2021/233575)
- [30] EP (20020232.3) 2020-05-18

[21] 3,178,057

[13] A1

- [51] Int.Cl. B32B 5/18 (2006.01) B32B 15/08 (2006.01) B32B 15/088 (2006.01) B32B 15/09 (2006.01) B32B 15/095 (2006.01) B32B 15/20 (2006.01) H05K 9/00 (2006.01)
- [25] EN
- [54] LOW-DIELECTRIC CONSTANT, LOW-DISSIPATION FACTOR LAMINATES INCLUDING AEROGEL LAYERS
- [54] STRATIFIÉS A FAIBLE FACTEUR DE DISSIPATION ET A FAIBLE CONSTANTE DIELECTRIQUE COMPRENANT DES COUCHES D'AÉROGEL
- [72] KAGUMBA, LAWINO, US
- [72] BENKIN, VITALY, US
- [72] POE, GARRETT, US
- [71] BLUESHIFT MATERIALS, INC., US
- [85] 2022-11-07
- [86] 2021-05-17 (PCT/US2021/032728)
- [87] (WO2021/232001)
- [30] US (63/025,947) 2020-05-15

[21] 3,178,058

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- [25] EN
- [54] MASTER INFORMATION BLOCK DETERMINING METHOD AND APPARATUS
- [54] PROCEDE ET APPAREIL PERMETTANT DE DETERMINER UN BLOC D'INFORMATIONS MAITRE
- [72] QIAO, LIANG, CN
- [72] ZHANG, JIAYIN, CN
- [72] JIA, QIONG, CN
- [71] HUAWEI TECHNOLOGIES CO., LTD., CN
- [85] 2022-11-07
- [86] 2021-05-10 (PCT/CN2021/092682)
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- [30] CN (202010414749.6) 2020-05-15
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 - [25] EN
 - [54] BEAMFORMER ACCOUNTING FOR NON-HOMOGENEITY OF OFFERED TRAFFIC DISTRIBUTION AMONG CELLS
 - [54] FORMATEUR DE FAISCEAUX TENANT COMPTE DE LA NON-HOMOGENEITE DE LA DISTRIBUTION DE TRAFIC OFFERT ENTRE CELLULES
 - [72] BECKER, NEAL DAVID, US
 - [72] KAY, STANLEY, US
 - [72] BHASKAR, UDAYA, US
 - [71] HUGHES NETWORK SYSTEMS, LLC, US
 - [85] 2022-11-07
 - [86] 2021-05-14 (PCT/US2021/032484)
 - [87] (WO2021/236447)
 - [30] US (16/880,762) 2020-05-21
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[13] A1

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 - [25] EN
 - [54] SCOLIOSIS BRACE
 - [54] CORSET POUR SCOLIOSE
 - [72] KANG, SUN YOUNG, KR
 - [71] STANDINGTALL CO.,LTD., KR
 - [85] 2022-11-07
 - [86] 2021-04-22 (PCT/KR2021/005060)
 - [87] (WO2021/225310)
 - [30] KR (10-2020-0054896) 2020-05-08
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[13] A1

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 - [25] EN
 - [54] ENERGY SOURCE
 - [54] SOURCE D'ENERGIE
 - [72] CERMAK, FRANTISEK, CZ
 - [72] KULIKOV, BRONISLAV, CZ
 - [72] GROCH, MARTIN, CZ
 - [72] CHROBOK, DAVID, CZ
 - [72] ULCAK, MARTIN, CZ
 - [71] WITKOWITZ ATOMICA A.S., CZ
 - [85] 2022-11-07
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 - [30] CZ (2020-253) 2020-05-07
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[21] **3,178,064**

[13] A1

- [51] Int.Cl. C01G 53/00 (2006.01) H01M 4/00 (2006.01)
 - [25] EN
 - [54] ELECTRODE ACTIVE MATERIALS AND METHOD FOR THEIR MANUFACTURE
 - [54] MATERIAUX ACTIFS D'ELECTRODE ET LEUR PROCEDE DE FABRICATION
 - [72] BERGNER, BENJAMIN JOHANNES HERBERT, DE
 - [72] SUN, YANG-KOOK, KR
 - [72] PARK, GEON-TAE, KR
 - [72] SHIN, JI-YONG, JP
 - [71] BASF SE, DE
 - [71] IUCF-HYU (INDUSTRY-UNIVERSITY COOPERATION FOUNDATION HANYANG UNIVERSITY), KR
 - [85] 2022-11-07
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 - [87] (WO2021/228662)
 - [30] EP (20174033.9) 2020-05-12
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[13] A1

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 - [54] RESOURCE ALLOCATION METHOD, AND DEVICE AND STORAGE MEDIUM
 - [54] PROCEDE D'ATTRIBUTION DE RESSOURCES, DISPOSITIF ET SUPPORT DE STOCKAGE
 - [72] BAO, TONG, CN
 - [72] XIN, YU, CN
 - [72] HUA, JIAN, CN
 - [71] ZTE CORPORATION, CN
 - [85] 2022-11-07
 - [86] 2021-03-04 (PCT/CN2021/079019)
 - [87] (WO2021/223503)
 - [30] CN (202010383694.7) 2020-05-08
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[13] A1

- [51] Int.Cl. A61K 9/00 (2006.01) A61K 9/19 (2006.01) A61K 38/04 (2006.01) A61K 39/395 (2006.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01) A61P 9/10 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01)
 - [25] EN
 - [54] STABLE ANTI-CLEVER-1 ANTIBODY FORMULATION
 - [54] FORMULATION STABLE D'ANTICORPS ANTI-CLEVER-1
 - [72] MANDELIN, JAMI, FI
 - [72] VAINIO, MARITA, FI
 - [71] FARON PHARMACEUTICALS OY, FI
 - [85] 2022-11-07
 - [86] 2021-06-14 (PCT/FI2021/050442)
 - [87] (WO2021/255336)
 - [30] FI (20205624) 2020-06-15
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[21] **3,178,068**

[13] A1

- [51] Int.Cl. C07D 239/46 (2006.01) A61P 25/04 (2006.01)
- [25] EN
- [54] 4-(2,6-DIFLUOROPHENOXY)-6-(TRIFLUOROMETHYL)PYRI ML DIN-2-AMINE DERIVATIVES AS POTENTIATORS OF TH HMRGX1 RECEPTOR FOR THE TREATMENT OF PAIN
- [54] DERIVES DE 4-(2,6-DIFLUOROPHENOXY)-6-(TRIFLUOROMETHYL)PYRI MIDIN-2-AMINE EN TANT QUE POTENTIALISATEURS DU RECEPTEUR HMRGX1 POUR LE TRAITEMENT DE LA DOULEUR
- [72] SMITH, DARYL LYNN, US
- [72] WINNEROSKI, LEONARD LARRY, JR., US
- [71] ELI LILLY AND COMPANY, US
- [85] 2022-11-07
- [86] 2021-04-30 (PCT/US2021/030100)
- [87] (WO2021/225878)
- [30] US (63/021,806) 2020-05-08

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[13] A1

[51] Int.Cl. A61L 2/14 (2006.01)

[25] EN

[54] STERILISATION APPARATUS FOR PRODUCING PLASMA AND HYDROXYL RADICALS
[54] APPAREIL DE STERILISATION POUR LA PRODUCTION DE PLASMA ET DE RADICAUX HYDROXYLES

[72] HANCOCK, CHRISTOPHER PAUL, GB
[72] ULLRICH, GEORGE CHRISTIAN, GB
[72] WEBB, DAVID EDWARD, GB
[71] CREO MEDICAL LIMITED, GB
[85] 2022-11-07
[86] 2021-05-28 (PCT/EP2021/064411)
[87] (WO2021/244981)
[30] GB (2008156.8) 2020-06-01

[21] 3,178,071

[13] A1

[51] Int.Cl. H01R 13/646 (2011.01)

[25] EN

[54] CLUSTER RF CONNECTOR WITH BIASING INTERFACE
[54] CONNECTEUR RF DE GRAPPE AVEC INTERFACE DE POLARISATION

[72] URTZ, THOMAS, US
[72] BENN, JEREMY, US
[72] NATOLI, CHRISTOPHER, US
[72] CHAWGO, SHAWN, US
[71] JOHN MEZZALINGUA ASSOCIATES, LLC, US
[85] 2022-11-07
[86] 2021-02-26 (PCT/US2021/019915)
[87] (WO2021/225666)
[30] US (63/021,764) 2020-05-08
[30] US (63/132,886) 2020-12-31

[21] 3,178,072

[13] A1

[51] Int.Cl. B65D 83/08 (2006.01)

[25] EN

[54] CLOSURE ASSEMBLY, SYSTEM AND METHOD OF USE

[54] ENSEMBLE FERMETURE, SYSTEME ET PROCEDE D'UTILISATION

[72] CAHALAN, GERARD ANTHONY, US
[71] PROFESSIONAL DISPOSABLES INTERNATIONAL, INC., US
[85] 2022-11-07
[86] 2021-05-06 (PCT/US2021/031009)
[87] (WO2021/226299)
[30] US (63/022,189) 2020-05-08

[21] 3,178,073

[13] A1

[51] Int.Cl. F17C 6/00 (2006.01)

[25] EN

[54] DEVICE AND METHOD FOR TRANSFERRING CRYOGENIC FLUID
[54] DISPOSITIF ET PROCEDE DE TRANSFERT DE FLUIDE CRYOGENIQUE

[72] ALLIDIERES, LAURENT, FR
[72] FAYER, THOMAS, FR
[72] BENISTAND-HECTOR, CYRIL, FR
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[85] 2022-11-07
[86] 2021-05-19 (PCT/EP2021/063229)
[87] (WO2021/233964)
[30] FR (FR2005144) 2020-05-20

[21] 3,178,074

[13] A1

[51] Int.Cl. C07K 14/55 (2006.01)

[25] EN

[54] IL-2 SEQUENCES AND USES THEREOF

[54] SEQUENCES D'IL-2 ET LEURS UTILISATIONS
[72] GUNNARSSON, NINA, DK
[72] MALECKIS, MATISS, DK
[72] ROSEN, DAVID B, US
[71] ASCENDIS PHARMA ONCOLOGY DIVISION A/S, DK
[85] 2022-11-07
[86] 2021-06-02 (PCT/EP2021/064781)
[87] (WO2021/245130)
[30] EP (20177974.1) 2020-06-03
[30] EP (20202299.2) 2020-10-16
[30] US (63/116,102) 2020-11-19
[30] EP (20216052.9) 2020-12-21
[30] EP (21160477.2) 2021-03-03
[30] EP (21162030.7) 2021-03-11

[21] 3,178,075

[13] A1

[51] Int.Cl. B64D 43/00 (2006.01) B64D 45/04 (2006.01) B64D 45/08 (2006.01) G01C 23/00 (2006.01)

[25] FR

[54] ELECTRONIC DEVICE, AND METHOD, FOR GUIDING THE PILOT IN PILOTING AN AIRCRAFT DURING LANDING IN THE PRESENCE OF A CROSSWIND
[54] DISPOSITIF ELECTRONIQUE, ET PROCEDE, DE GUIDAGE DU PILOTE DANS LE PILOTAGE D'UN AERONEF LORS DE L'ATTERRISSAGE EN PRESENCE DE VENT DE TRAVERS

[72] BERGER, FREDERIC, FR
[72] GANILLE, THIERRY, FR
[72] POISSON, DIDIER, FR
[72] DUMAS, PIERRE-YVES, FR
[71] THALES, FR
[85] 2022-11-07
[86] 2021-05-12 (PCT/EP2021/062593)
[87] (WO2021/228923)
[30] FR (FR20 04702) 2020-05-13

[21] 3,178,076

[13] A1

[51] Int.Cl. A63B 15/00 (2006.01) A63B 21/00 (2006.01) A63B 21/002 (2006.01) A63B 21/06 (2006.01) A63B 24/00 (2006.01) B29C 44/12 (2006.01)

[25] EN

[54] BENDABLE EXERCISE BAR
[54] BARRE D'EXERCICE PLIABLE
[72] ALBA, ROBERT L., US
[71] ALBA, LOUIS, US
[71] ALBA, ROBERT L., US
[85] 2022-11-07
[86] 2021-05-12 (PCT/US2021/032025)
[87] (WO2021/231595)
[30] US (62/704,501) 2020-05-13

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[13] A1
[51] Int.Cl. F02C 3/20 (2006.01) C10L 3/00
(2006.01) F02C 7/224 (2006.01) F23R
3/28 (2006.01)

[25] EN
[54] GAS TURBINE POWER
GENERATION SYSTEMS USING
HYDROGEN-CONTAINING FUEL
PRODUCED BY A WAVE
REFORMER AND METHODS OF
OPERATING SUCH SYSTEMS
[54] SYSTEMES DE PRODUCTION
D'ENERGIE DE TURBINE A GAZ
UTILISANT UN COMBUSTIBLE
CONTENANT DE L'HYDROGENE
PRODUIT PAR UN REFORMEUR
A ONDES ET PROCEDES DE
FONCTIONNEMENT DE TELS
SYSTEMES

[72] AKBARI, PEJMAN, US
[72] COPELAND, COLIN D., CA
[72] O'NEIL, KATHLEEN M., US
[71] NEW WAVE HYDROGEN, INC., CA
[85] 2022-11-07
[86] 2021-05-05 (PCT/IB2021/000305)
[87] (WO2021/224681)
[30] US (63/020,754) 2020-05-06
[30] US (17/307,621) 2021-05-04

[21] **3,178,079**
[13] A1

[51] Int.Cl. C07K 7/06 (2006.01)
[25] EN
[54] COMPOSITIONS AND METHODS
FOR MODULATING
INFLAMMATION AND WOUND
HEALING
[54] COMPOSITIONS ET METHODES
DE MODULATION DE
L'INFLAMMATION ET DE LA
CICATRISATION DE PLAIE
[72] WIDGEROW, ALAN DAVID, US
[72] GARRUTO, JOHN A., US
[71] ALASTIN SKINCARE, INC., US
[85] 2022-11-07
[86] 2021-05-07 (PCT/US2021/031244)
[87] (WO2021/226429)
[30] US (63/022,209) 2020-05-08

[21] **3,178,080**
[13] A1
[51] Int.Cl. B25J 15/04 (2006.01)
[25] EN
[54] SEPARATEABLE ADAPTERS AND
METHODS OF SEPARATION
[54] ADAPTATEUR SEPARABLE ET
PROCEDE DE SEPARATION
[72] ZIMMER, MARTIN, DE
[72] ZIMMER, GUNTHER, DE
[71] ZIMMER, MARTIN, DE
[71] ZIMMER, GUNTHER, DE
[85] 2022-11-07
[86] 2021-05-12 (PCT/DE2021/000090)
[87] (WO2021/228297)
[30] DE (10 2020 002 859.4) 2020-05-13

[21] **3,178,082**
[13] A1
[51] Int.Cl. A01N 43/78 (2006.01) A01P
3/00 (2006.01)
[25] EN
[54] FUNGICIDAL COMPOSITIONS
[54] COMPOSITIONS FONGICIDES
[72] BURNS, DAVID, GB
[72] MONACO, MATTIA RICCARDO, CH
[72] RENDINE, STEFANO, CH
[72] LAMBERTH, CLEMENS, CH
[72] BLUM, MATHIAS, CH
[72] EDMUNDS, ANDREW, CH
[71] SYNGENTA CROP PROTECTION
AG, CH
[85] 2022-11-07
[86] 2021-05-27 (PCT/EP2021/064261)
[87] (WO2021/244951)
[30] EP (20178040.0) 2020-06-03

[21] **3,178,083**
[13] A1
[51] Int.Cl. C12N 15/82 (2006.01)
[25] EN
[54] TOMATO PLANTS HAVING
SUPPRESSED MEIOTIC
RECOMBINATION
[54] PLANTE DE TOMATE AYANT
UNE RECOMBINAISON
MEIOTIQUE SUPPRIMEE
[72] VRIEZEN, WIM, NL
[72] SCHOUTEN, HENDRIK JACOB, NL
[71] NUNHEMS B.V., NL
[85] 2022-11-07
[86] 2021-05-07 (PCT/EP2021/062115)
[87] (WO2021/228699)
[30] EP (20174476.0) 2020-05-13

[21] **3,178,084**
[13] A1
[51] Int.Cl. C08J 9/12 (2006.01) C08J 9/18
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[25] EN
[54] NON-ISOCYANATE
POLYURETHANE ELASTOMERS
AND COMPOSITIONS
COMPRISING SUCH
ELASTOMERS
[54] ELASTOMERES DE
POLYURETHANE NON
ISOCYANATE ET
COMPOSITIONS COMPRENANT
DE TELS ELASTOMERES
[72] MAHON, ANDREW BERNARD, US
[72] ISAACMAN, MICHAEL JOSEPH, US
[72] ISAACMAN, STEVEN, US
[71] NANOMETICS LLC (D.B.A. PHD
BIOSCIENCES), US
[85] 2022-11-07
[86] 2021-05-12 (PCT/US2021/031916)
[87] (WO2021/231527)
[30] US (63/023,372) 2020-05-12

[21] **3,178,087**
[13] A1
[51] Int.Cl. A61K 39/12 (2006.01) C07K
14/005 (2006.01) C07K 16/10
(2006.01)
[25] EN
[54] COMPOUNDS FOR THE
TREATMENT OF SARS
[54] COMPOSES POUR LE
TRAITEMENT DE SRAS
[72] GHOSH, ARUN K., US
[72] MITSUYA, HIROAKI, JP
[72] MESECAR, ANDREW, US
[71] PURDUE RESEARCH
FOUNDATION, US
[85] 2022-11-07
[86] 2021-03-15 (PCT/US2021/022375)
[87] (WO2021/230973)
[30] US (63/025,775) 2020-05-15
[30] US (63/120,091) 2020-12-01

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[13] A1

[51] Int.Cl. C07K 19/00 (2006.01) C12N 15/62 (2006.01)
[25] EN
[54] **BIOLOGICAL MACROMOLECULAR TARGET-SPECIFIC COMPLEMENT INHIBITOR, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF**
[54] **INHIBITEUR DU COMPLEMENT MACROMOLECULAIRE BIOLOGIQUE SPECIFIQUE A UNE CIBLE, SON PROCEDE DE PREPARATION ET SON UTILISATION**
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[71] SHANGHAI COMGEN BIOPHARMACEUTICAL CO., LTD., CN
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[54] **ENSEMBLE SUPPORT POUR ENSEMBLE MEDICAL FLEXIBLE**
[72] BALKOVEC, CHRISTIAN, CA
[72] DAVIES, GARETH, CA
[72] URBANSKI, JOHN PAUL, CA
[71] BOSTON SCIENTIFIC MEDICAL DEVICE LIMITED, IE
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[54] **COMPOSITIONS AND METHODS FOR THE PROPHYLAXIS AND TREATMENT OF FIBROTIC AND INFLAMMATORY CONDITIONS**
[54] **COMPOSITIONS ET PROCEDES POUR LA PROPHYLAXIE ET LE TRAITEMENT D'AFFECTIONS FIBROTIQUES ET INFLAMMATOIRES**
[72] CUMMING, ALISTAIR, AU
[72] SNIBSON, KENNETH, AU
[71] GRETALS AUSTRALIA PTY LTD, AU
[85] 2022-11-07
[86] 2021-05-07 (PCT/AU2021/050421)
[87] (WO2021/222987)
[30] AU (2020901475) 2020-05-08
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[54] **ICE CRAMPON**
[54] **CRAMPON A GLACE**
[72] IBARRA, JUAN-MANUEL, FR
[72] ODDOU, PAUL, US
[71] BLUE ICE EUROPE, FR
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[54] **PROCESS FOR PREPARING PET FOOD AND PET FOOD OBTAINABLE THEREBY**
[54] **PROCEDE DE PREPARATION D'ALIMENTS POUR ANIMAUX DE COMPAGNIE ET ALIMENT POUR ANIMAUX DE COMPAGNIE POUVANT ETRE OBTENU SELON CE PROCEDE**
[72] SCHLACHTER, OLAF, DE
[72] WIEDENHOFF, JEANNE, DE
[72] SCHLEBUSCH, JOHANNES, DE
[72] DOOLEY, KATHLEEN, DE
[71] MARS, INCORPORATED, US
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[54] **SYSTEMS AND METHODS FOR STATE IDENTIFICATION AND CLASSIFICATION OF TEXT DATA**
[54] **SYSTEMES ET PROCEDES D'IDENTIFICATION D'ETATS ET DE CLASSIFICATION DE DONNEES DE TEXTE**
[72] JAW, DAVID, US
[71] TRUPANION, INC., US
[85] 2022-11-07
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- [54] PLATEFORME FLOTTANTE EN BETON ARME APPLICABLE A L'INDUSTRIE DU SECTEUR DE L'EOLIEN MARIN
- [72] DE GUZMAN MONTON,
SANTIAGO, ES
- [72] MOREU GAMAZO, JAIME, ES
- [72] TERCENO HERNANDEZ, MIRIAN,
ES
- [72] LOPEZ VIZCAYNO, PEDRO, ES
- [72] GARCIA MERONO, CARIDAD, ES
- [72] DELGADO FRANCO, SALVADOR,
ES
- [72] PEREZ DIAZ, OSCAR, ES
- [72] TABOADA GOSALVEZ, ALBERTO,
ES
- [72] NEGUERUELA IMANA, ALBERTO,
ES
- [72] GONZALEZ LOPEZ, DANIEL, ES
- [72] MOREU MUNAIZ, MANUEL, ES
- [71] SEAPLACE S.L., ES
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- [25] EN
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- [54] SYSTEME, DISPOSITIF ET METHODE POUR AMELIORER LE SUIVI VISUEL ET/OU AUDITIF D'UNE CONFERENCE DONNEE PAR UN ORATEUR
- [72] SANCHEZ KAISER, ANTONIO, ES
- [71] BEMYVEGA, SL, ES
- [85] 2022-11-07
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- [54] SYSTEMES ET PROCEDES DE NAVIGATION
- [72] WILLIS, JAY, GB
- [72] THOMAS, ADRIAN, GB
- [71] ANIMAL DYNAMICS LIMITED, GB
- [85] 2022-11-07
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- [54] METHODS FOR MONITORING BIOFOULING IN CLOSED WATER SYSTEMS
- [54] PROCEDES DE SURVEILLANCE DE L'ENCRASSEMENT BIOLOGIQUE DANS DES SYSTEMES FERMES DE TRAITEMENT D'EAU
- [72] MCILWAINE, DOUGLAS, US
- [71] CHEMTREAT, INC, US
- [85] 2022-11-07
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- [54] CIRCULAR RNA COMPOSITIONS AND METHODS
- [54] COMPOSITIONS D'ARN CIRCULAIRE ET METHODES
- [72] GOODMAN, BRIAN, US
- [72] WESSELHOEFT, ROBERT ALEXANDER, US
- [72] HORHOTA, ALLEN T., US
- [72] YANG, JUNGHOON, US
- [72] OTT, KRISTEN, US
- [72] BARNES, THOMAS, US
- [71] ORNA THERAPEUTICS, INC., US
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- [54] PROCESS FOR THE SYNTHESIS OF N-BUTYLOXYCARBONYL-3-(4-IMIDAZOL-1-YLMETHYLPHENYL)-5-ISO-BUTYLTHIOPHENE-2-SULFONAMIDE
- [54] PROCEDE DE SYNTHESE DE N-BUTYLOXYCARBONYL-3-(4-IMIDAZOL-1-YLMETHYLPHENYL)-5-ISO-BUTYLTHIOPHENE-2-SULFONAMIDE
- [72] CERNAKS, DMITRIJS, LV
- [72] DEGE, ELIZA, LV
- [71] VICORE PHARMA AB, SE
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- [54] **METHODE, COMPOSITION ET SYSTEME POUR GENERER UN FLUX D'OXYGENE**
- [72] VAN DER ZWAN, LEONARD PETER, NL
- [72] GROEN, JOZEF CORNELIS, NL
- [72] EIJSVOGEL, ROBERT IJSBRAND CHARLES DOMINGO, NL
- [71] DACELO B.V., NL
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- [54] **VACCINS CONTRE LE SARS-COV-2**
- [72] YELENSKY, ROMAN, US
- [72] CAO, MINH DUC, US
- [72] ZHONG, MIKE, US
- [72] HELBERT, JUSTIN, US
- [72] JOSS, KARIN, US
- [72] SCALLAN, CIARAN DANIEL, US
- [72] GITLIN, LEONID, US
- [72] RAPPAPORT, AMY RACHEL, US
- [71] GRITSTONE BIO, INC., US
- [85] 2022-11-07
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- [54] **VAGINAL INSERT DEVICES AND METHODS**
- [54] **DISPOSITIFS D'INSERT VAGINAL ET PROCEDES**
- [72] CONTI, ALLISON, US
- [71] WATKINS-CONTI PRODUCTS, INC., US
- [85] 2022-11-07
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- [54] **COMPOSITIONS FOR INCREASING HALF-LIFE OF A THERAPEUTIC AGENT IN CANINES AND METHODS OF USE**
- [54] **COMPOSITIONS POUR AUGMENTER LA DEMI-VIE D'UN AGENT THERAPEUTIQUE CHEZ LES CANIDES ET PROCEDES D'UTILISATION**
- [72] BRONDYK, WILLIAM, US
- [72] CHEVALIER, BRETT, US
- [72] HORN, JUERGEN, US
- [72] NATARAJAN, MADHUSUDAN, US
- [71] INVETX, INC., US
- [85] 2022-11-07
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- [54] **COMPOSITIONS AND METHODS FOR DIGESTIVE HEALTH IN AN ANIMAL**
- [54] **COMPOSITIONS ET PROCEDES POUR LA SANTE DIGESTIVE CHEZ UN ANIMAL**
- [72] SPEARS, JULIE K, US
- [72] BELOSHAPKA, ALISON, US
- [71] SOCIETE DES PRODUITS NESTLE SA, CH
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- [54] **INHIBITEURS DE MEK POUR LE TRAITEMENT OU LA PREVENTION D'INFECTIONS A CORONAVIRUS ET/OU D'UN CHOC CYTOKINIQUE COVID-19**
- [72] LUDWIG, STEPHAN, DE
- [72] PLANZ, OLIVER, DE
- [72] HOFFMANN, HELEN ELISA, DE
- [72] KOCH-HEIER, JULIA, DE
- [72] SCHINDLER, MICHAEL, DE
- [71] ATRIVA THERAPEUTICS GMBH, DE
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- [25] EN
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- [54] COMPOSITIONS COMPRENANT DU MYO-INOSITOL ET LEUR UTILISATION DANS LA PREVENTION D'UNE HEMORRAGIE POST-PARTUM (HPP)
- [72] SILVA, ZOLEZZI IRMA, SG
- [72] GODFREY, KEITH MALCOLM, GB
- [72] CHAN, SHIAO-YNG, SG
- [72] CUTFIELD, WAYNE, NZ
- [71] SOCIETE DES PRODUITS NESTLE S.A., CH
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- [54] COMBINATION THERAPIES COMPRISING A HYPMETHYLATION AGENT FOR TREATING CANCER
- [54] POLYTHERAPIES COMPRENANT UN AGENT D'HYPOMETHYLATION POUR LE TRAITEMENT DU CANCER
- [72] PONS, JAUME, US
- [72] WAN, HONG, US
- [72] RANDOLPH, SOPHIA, US
- [71] ALX ONCOLOGY INC., US
- [85] 2022-11-08
- [86] 2021-05-28 (PCT/US2021/034967)
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- [30] US (63/033,074) 2020-06-01
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- [54] PROCEDE DE PRODUCTION D'EXOSOMES DERIVES DE PLANTES
- [72] SAHIN, FIKRETTIN, TR
- [72] SOGUTMAZ OZDEMIR, BAHAR, TR
- [72] BOZKURT, BATUHAN TURHAN, TR
- [72] KIRBAS, OGUZ KAAN, TR
- [72] TASLI, PAKIZE NESLIHAN, TR
- [72] DERMEN, UMIT CEM, TR
- [71] YEDITEPE UNIVERSITESI, TR
- [85] 2022-11-08
- [86] 2021-05-10 (PCT/TR2021/050454)
- [87] (WO2021/230847)
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- [54] COMPOSITION PHARMACEUTIQUE COMPRENANT DES POLYNUCLEOTIDES ET SON UTILISATION POUR LA PREVENTION OU LE TRAITEMENT DE LA COVID-19
- [72] ZHANG, YI, CN
- [72] LIU, YUAN, CN
- [72] ZHANG, NAN, CN
- [71] BEIJING YISHENG BIOTECHNOLOGY CO., LTD., CN
- [71] LIAONING YISHENG BIOPHARMA CO., LTD., CN
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- [25] EN
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- [54] BAC A POUSSIÈRE POUR UN SEAU UTILITAIRE
- [72] WOLLMAN, DAVID, US
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[54] SYSTEMES ET PROCEDES DE CONVERSION D'ENERGIE POTENTIELLE A BASE DE PUITS	[54] PROCEDES DE DETECTION D'INFECTIONS PATHOGENES A L'AIDE D'ECHANTILLONS DE PATIENTS CONTENANT DES GLOBULES ROUGES	[54] ARNM MODIFIE POUR TRANSFORMATION MULTICELLULAIRE
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[72] GREGORY JR., ANTHONY KEMP, US	[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US	[72] LAWMAN, PATRICIA D., US
[72] STRECKFUS, STEFAN JAMES, US	[85] 2022-11-08	[72] ELIZABETH, MEGHAN, US
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[54] SYSTEME DE REFROIDISSEMENT ET ENSEMBLE DE GENERATION D'ENERGIE EOLIENNE	[54] ARCHITECTURE DISTRIBUEE DE SYSTEME DE FREINAGE POUR AERONEF	[54] RESEAUX MIXTES DE TRANSDUCTEURS ULTRASONORES
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- [72] WANG, XIAOPENG, CN
- [72] PENG, QINGBO, CN
- [72] LU, ZHIPEI, CN
- [72] ZHU, YAN, CN
- [71] BYD COMPANY LIMITED, CN
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- [54] COMPOSITION D'ENRICHISSEMENT DE PRODUITS ALIMENTAIRES COSMETIQUES, ET/OU DERMATOLOGIQUES
- [72] LION, BENOIT, FR
- [72] DE FRANCE, JEROME, FR
- [71] BLACK IDOL, FR
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- [54] DISPOSITIF MEDICAL COMPORANT UN PHOTOSENSIBILISATEUR ET PROCEDES ASSOCIES
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- [72] OFEK, GIDON, US
- [72] FREASIER, JAMES, US
- [71] BECTON, DICKINSON AND COMPANY, US
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- [54] DISPOSITIF DE MESURE DE PROPRIETES PHYSICO-CHIMIQUES D'UNE MATRICE DEFORMABLE, PROCEDE DE MISE EN OEUVRE ET UTILISATIONS
- [72] GRENIER, DAVID, FR
- [72] LEJEUNE, ANTOINE, FR
- [72] LUCAS, TIPHAINNE, FR
- [72] DIASCORN, YVES, FR
- [71] INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT, FR
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- [72] TRAN-GUYON, JOANNE, FR
- [72] GUYON, VINCENT, FR
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- [71] PROIMAGING, FR
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- [72] LOWE, J.B., US
- [72] IRONS, TRAVIS, US
- [72] JOHN, MATTHEW, US
- [71] ELEMENTAL LED, INC., US
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 - [72] PALUMBO, MARK G, US
 - [71] PALUMBO, MARK G, US
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- [54] SUPPORT ISOLANT ET PROCEDE DE TRANSPORT DE BOISSONS
- [72] JENSEN, EUGENE, ZA
- [72] PEEK, JOHANNES SAMUEL, ZA
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- [54] CANAUX ET LENTILLES POUR ECLAIRAGE LINEAIRE
- [72] IRONS, TRAVIS, US
- [72] PRUITT, ADAM L., US
- [72] JOHN, MATTHEW, US
- [72] BRYAN, RAYMOND G., US
- [72] GREEN, ROBERT, US
- [72] GREENSPAN, DAVID, US
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 - [54] METHODE
 - [72] DELLA PERUTA, MARCO, GB
 - [72] RIGHI, MATTEO, GB
 - [72] AGLIARDI, GIULIA, GB
 - [72] PUDE, MARTIN, GB
 - [72] CORDOBA, SHAUN, GB
 - [72] SILLIBOURNE, JAMES, GB
 - [71] AUTOLUS LIMITED, GB
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- [54] SYSTEME DE GUIDAGE COMPORTEMENTAL POUR POISSONS
- [72] SCHNEIDER, ABRAHAM D., US
- [72] WATSON, STERLING MARINA, US
- [71] NATEL ENERGY, INC., US
- [85] 2022-11-08
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- [54] SUBSTITUT D'UF A BASE DE MICROALGUES
- [72] BARRE, PAULINE, FR
- [72] TRAORE, CAMILLE, FR
- [71] ALGAMA, FR
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 - [72] RANCATI, FABIO, IT
 - [72] RIZZI, ANDREA, IT
 - [72] KARAWAJCZYK, ANNA, IT
 - [72] GUT, BARTOSZ PAWEŁ, IT
 - [71] CHIESI FARMACEUTICI S.P.A., IT
 - [85] 2022-11-08
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- [72] JUMBE, NELSON L., US
- [72] SCHUH, ANDREAS, US
- [72] MORIMOTO, MICHAEL, US
- [72] REXELIUS, PETER, US
- [72] KRAWCZYK, STEVE, US
- [72] KATSIS, DIMOSTHENIS, US
- [72] KNEZEVIC, NIKOLA, RS
- [72] HAMMOND, KEVIN, GB
- [72] KRAWIEC, KRZYSZTOF, PL
- [72] KIRKOS, GREGORY A., US
- [71] LEVEL 42 AI, US
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 - [54] APPAREIL ET PROCEDE DE COMMANDE DE LA DISTRIBUTION D'UNE MULTIPLICITE DE MARCHANDISES DIFFERENTES
 - [72] WINKLER, WALTER, DE
 - [71] WITRON LOGISTIK + INFORMATIK GMBH, DE
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- [54] CONSTRUCTION ANCHOR APPARATUS AND METHODOLOGY OF USE
- [54] APPAREIL D'ANCRAGE POUR LE BATIMENT ET SON PROCEDE D'UTILISATION
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- [72] FUGALLO, JOSEPH, US
- [71] ANCHOR RING SOLUTIONS, LLC, US
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- [87] (WO2021/231613)
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 - [54] CELLULE ELECTROLYTIQUE, PROCEDE DE FONCTIONNEMENT D'UNE CELLULE DUDIT TYPE ET ELECTROLYSEUR
 - [72] BURKIN, CORNELIA, DE
 - [72] TOROS, PETER, DE
 - [72] POLCYN, GREGOR DAMIAN, DE
 - [72] AUSTENFELD, SEBASTIAN, DE
 - [72] KLINK, STEFAN, DE
 - [72] BRINKMANN, JONAS, DE
 - [71] THYSSENKRUPP NUCERA AG & CO. KGAA, DE
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- [54] BOBINE DE MOTEUR ET PROCEDE ASSOCIE DE FABRICATION, STATOR DE MOTEUR ET PROCEDE ASSOCIE DE FABRICATION ET MOTEUR
- [72] GAO, YAZHOU, CN
- [72] HE, HAITAO, CN
- [72] XIA, JING, CN
- [71] BEIJING GOLDWIND SCIENCE & CREATION WINDPOWER EQUIPMENT CO., LTD., CN
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 - [54] VESICULES EXTRACELLULAIRES DE GLOBULES ROUGES (VEGCR) CONTENANT DES CARGOS ET PROCEDES D'UTILISATION ET DE PRODUCTION DE CELLES-CI
 - [72] CHARTON, KARINE, FR
 - [72] CIBIEL, AGNES, FR
 - [72] BELLEDANT, ANAIS, FR
 - [72] PIEDRAHITA ESPINOSA, LEIDY DIANA, FR
 - [72] MARTINON, BAPTISTE ALAIN, FR
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- [72] SINGH, KALPIT, IN
- [72] CHINNASWAMY, ROHITH, US
- [72] HAIRSTON, HOB, US
- [71] WAYNE FUELING SYSTEMS, LLC, US
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 - [54] COMPOSITIONS DE CARBACHOL A FAIBLE DOSE ET PROCEDES DE TRAITEMENT DE LA PERTURBATION DE LA VISION NOCTURNE
 - [72] LIPMAN, JACK MARTIN, US
 - [72] HINGORANI, TUSHAR, US
 - [72] SOPPIMATH, KUMARESH, US
 - [71] VYLUMA INC., US
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 - [86] 2021-05-18 (PCT/US2021/033008)
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- [54] SYNTHESE A LA DEMANDE DE SEQUENCES POLYNUCLEOTIDIQUES
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- [72] GILL, JOHN E., US
- [72] GIBSON, DANIEL G., US
- [72] FU, LIXIA, US
- [71] CODEX DNA, INC., US
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- [87] (WO2021/231799)
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 - [54] SYSTEME DE CHAUFFAGE DE SOL COMPRENANT DES MEMBRANES CONFIGUREES POUR ETRE ASSEMBLEES CONJOINTEMENT POUR LOGER UN CABLE CHAUFFANT, ET SOUS-COUCHE DE REVETEMENT DE SOL COMPRENANT DE TELLES MEMBRANE
 - [72] WARNEKE, CHASE, US
 - [72] COLLISON, ALAN B., US
 - [72] BORGMAN, REID, US
 - [71] MP GLOBAL PRODUCTS, L.L.C., US
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 - [30] US (16/885,782) 2020-05-28
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- [54] PROCEDE ET SYSTEME DE MAPPAGE D'ETIQUETTES DANS DES TABLES NORMALISEES A L'AIDE D'UN APPRENTISSAGE AUTOMATIQUE
- [72] CHEN, YAN, US
- [72] SRIVASTAVA, ARGIMA, US
- [72] MURTHY MALLADI, DAKSHINA, IN
- [71] FACTSET RESEARCH SYSTEM, INC., US
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 - [54] SYSTEME D'ELECTRODES POUR LE TRAITEMENT DE LA VISION ET PROCEDE
 - [72] DUNCAN, THU-HA, US
 - [72] VELURE, JOHN C., US
 - [72] MASKO, MARSHALL T., US
 - [71] I-LUMEN SCIENTIFIC, INC., US
 - [85] 2022-11-08
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- [54] COMPOSITIONS DE MICRODISPOSITIFS POLYMERES ET LEUR UTILISATION DANS L'IMMUNOTHERAPIE DU CANCER
- [72] LANGER, ROBERT S., US
- [72] JAKLENEC, ANA, US
- [72] LU, XUEGUANG, US
- [71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
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 - [54] AMELIORATION DE LA PRODUCTIVITE DANS LES PLANTES C3
 - [72] HENDRON, ROSS, GB
 - [72] LOPEZ-PEREZ, ENRIQUE, GB
 - [72] KELLY, STEVEN, GB
 - [71] OXFORD UNIVERSITY INNOVATION LIMITED, GB
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- [72] RONZITTI, GIUSEPPE, FR
- [71] GENETHON, FR
- [71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, FR
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 - [72] CHEN, LEI, CN
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- [71] UMC UTRECHT HOLDING B.V., NL
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 - [72] ALEXIOU, AYSE ASATEKIN, US
 - [71] TRUSTEES OF TUFTS COLLEGE, US
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- [54] COMPOSITIONS ET PROCEDES RELATIFS AUX VESICULES EXTRACELLULAIRES DERIVEES DES MEGACARYOCYTES
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- [71] STRM.BIO INCORPORATED, US
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 - [72] MAW, KURT M., US
 - [72] HILDERSLEY, CATHERINE, US
 - [72] DELMY, CEDRIC, US
 - [72] SHADWELL, PETER J., US
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 - [71] OMG, INC., US
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- [54] PLATE-FORME DE CULTURE POUR CULTIVER DES TISSUS ET PROCEDE D'OBSERVATION DES TISSUS QUI Y SONT CULTIVES
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- [71] WESTFALISCHE WILHELMS-UNIVERSITAT MUNSTER, DE
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 - [72] YU, YEN-YUN, US
 - [71] ANCESTRY.COM OPERATIONS INC., US
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[72] PESCHIULLI, ALDO, BE
[72] DEMIN, SAMUEL DOMINIQUE, BE
[72] VELTER, ADRIANA-INGRID, BE
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[72] BEGLEY, MICHAEL, US
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[72] CONNELLY, JOHN, US
[71] AKOUOS, INC., US
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[72] LETISSE, FABIEN, FR
[72] TEDESCO, PIETRO, FR
[72] VERONESE, GABRIELLE, FR
[71] INSTITUT NATIONAL DES SCIENCES APPLIQUEES DE TOULOUSE, FR
[71] INSTITUT NATIONAL DE LA RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT, FR
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[72] WANG, YI, US
[72] FELDMAN, BENJAMIN JAY, US
[72] CHO, HYUN, US
[72] CHEN, KUAN-CHOU, US
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- [72] UNNARSSON, OLAFUR, IS
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- [72] ZHANG, ZHIHONG, CN
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 - [72] HILL, JR. GREGORY ADDISON, US
 - [71] UNIVERSAL CITY STUDIOS LLC, US
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- [72] BROWN, STEPHEN, US
- [71] DELTA MEDIA GROUP, INC., US
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[54] COMPOSITIONS AND METHODS FOR TREATING DISORDERS ASSOCIATED WITH LOSS-OF-FUNCTION MUTATIONS IN SYNGAP1
[54] COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT DES TROUBLES ASSOCIES AUX MUTATIONS DE SYNGAP1 ENTRAINANT DES PERTES FONCTIONNELLES
[72] PETROU, STEVEN, AU
[71] THE FLOREY INSTITUTE OF NEUROSCIENCE AND MENTAL HEALTH, AU
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[87] (WO2021/226663)
[30] AU (2020901507) 2020-05-11

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[25] EN
[54] VISUAL AXIS IDENTIFICATION SYSTEMS AND METHODS
[54] SYSTEMES ET PROCEDES D'IDENTIFICATION D'AXE VISUEL
[72] BOR, ZSOLT, US
[71] ALCON INC., CH
[85] 2022-11-09
[86] 2021-04-08 (PCT/IB2021/052924)
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[30] US (63/033,327) 2020-06-02

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[25] EN
[54] SWELLABLE ORAL PHARMACEUTICAL COMPOSITIONS
[54] COMPOSITIONS PHARMACEUTIQUES ORALES POUVANT GONFLER
[72] DORMER, NATHAN, US
[72] SCHILLING, MICHELLE K., US
[72] OVERFIELD, JEFFREY, US
[71] ADARE PHARMACEUTICALS, INC., US
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[30] US (63/050,363) 2020-07-10

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[54] INTERNET-OF THINGS NARROWBAND COMMUNICATIONS WITH MOBILE SATELLITE
[54] COMMUNICATIONS A BANDE ETROITE DE L'INTERNET DES OBJETS AVEC SATELLITE MOBILE
[72] JONG, JAMES JEHONG, US
[72] RAVISHANKAR, CHANNASANDRA, US
[72] WHITMARSH, WILLIAM, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2022-11-09
[86] 2021-05-20 (PCT/US2021/033292)
[87] (WO2021/236863)
[30] US (63/028,931) 2020-05-22

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[54] SYSTEME ET PROCEDE DE REMPLISSAGE STERILE DE RECIPIENTS
[72] BOIRA BONHORA, JORDI, ES
[72] ROURA SALIETTI, CARLOS, ES
[72] PAGES BECERRA, DAVID, ES
[71] GRIFOLS WORLDWIDE OPERATIONS LIMITED, IE
[85] 2022-11-09
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[25] EN
[54] DRIVE SIDE LINER FOR A CENTRIFUGAL PUMP
[54] CHEMISE COTE ENTRAINEMENT POUR UNE POMPE CENTRIFUGE
[72] KOSMICKI, RANDY JAMES, US
[71] WEIR SLURRY GROUP, INC., US
[85] 2022-11-09
[86] 2021-05-28 (PCT/AU2021/050520)
[87] (WO2021/237303)
[30] US (63/032,073) 2020-05-29
[30] AU (2020902180) 2020-06-29

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[13] A1

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[25] EN
[54] KNIFE ASSEMBLY WITH TAB BLADES AND METHOD OF FABRICATION
[54] ENSEMBLE COUTEAU A LAMES EN LANGUETTE ET SON PROCEDE DE FABRICATION
[72] JACKO, MICHAEL SCOT, US
[71] URSCHEL LABORATORIES, INC., US
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 - [54] NOUVEAU TRIGLYCERIDE OBTENU A PARTIR D'UN EXTRAIT DE MACROCYBE TITANS, APPLICATIONS CLINIQUES ET PROCEDE D'OBTENTION
 - [72] SEGURA SALAZAR, FABIAN ANTONIO, CR
 - [71] BIO TECH STARE GLOBAL S.R.L., CR
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- [54] PROCEDE DE PREPARATION D'ALCOOL ISOPROPYLIQUE
- [72] PARK, SA EUN, KR
- [72] KIM, TAE WOO, KR
- [72] CHOI, BYUNG WOO, KR
- [72] LEE, SUNG KYU, KR
- [71] LG CHEM, LTD., KR
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 - [25] EN
 - [54] DIHYDROOXAZOLE AND THIOUREA DERIVATIVES MODULATING THE NLRP3 INFLAMMASOME PATHWAY
 - [54] DERIVES DE DIHYDROOXAZOLE ET DE THIOUREE MODULANT LA VOIE INFLAMMATOIRE NLRP3
 - [72] GABELLIERI, EMANUELE, CH
 - [72] MOLETTE, JEROME, FR
 - [72] DEHLINGER, VERONIQUE, CH
 - [71] AC IMMUNE SA, CH
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 - [30] EP (20 18 1221.1) 2020-06-19
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- [25] EN
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- [54] PRODUIT DE BOISSON AU CAFE ET SON PROCEDE DE PREPARATION
- [72] ANANTA, EDWIN, CH
- [72] SAHAI, DEEPAK, US
- [72] LIANG, YOUYUN, SG
- [71] SOCIETE DES PRODUITS NESTLE SA, CH
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- [30] US (63/056,796) 2020-07-27

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 - [25] EN
 - [54] METHODS OF TREATING LEFT VENTRICLE HYPERTROPHY
 - [54] METHODES DE TRAITEMENT DE L'HYPERTROPHIE VENTRICULAIRE GAUCHE
 - [72] OBERBAUER, RAINER, AT
 - [72] FOUCERAY, BRUNO, CH
 - [72] DORR, KATHARINA, AT
 - [71] AMGEN INC., US
 - [71] MEDICAL UNIVERSITY OF VIENNA, AT
 - [85] 2022-11-09
 - [86] 2021-05-14 (PCT/US2021/032597)
 - [87] (WO2021/231960)
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- [25] EN
- [54] DISPENSERS AND DISPENSER SYSTEMS FOR SECURELY CONTROLLING A PLURALITY OF DOSE SIZES
- [54] DISTRIBUTEURS ET SYSTEMES DE DISTRIBUTEUR POUR LA COMMANDE SECURISEE D'UNE PLURALITE DE TAILLES DE DOSE
- [72] BUELL, SHELBY J., US
- [72] BULLOCK, MARK A., US
- [71] GOJO INDUSTRIES, INC., US
- [85] 2022-11-09
- [86] 2021-05-10 (PCT/US2021/031496)
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<p style="text-align: right;">[21] 3,178,372</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C07D 215/233 (2006.01) C07D 215/42 (2006.01) C07D 239/94 (2006.01)</p> <p>[25] EN</p> <p>[54] ENPP1 MODULATORS AND USES THEREOF</p> <p>[54] MODULATEURS DE L'ENPP1 ET LEURS UTILISATIONS</p> <p>[72] SAITO, ROLAND D., US</p> <p>[72] TSE, WINSTON C., US</p> <p>[71] VIR BIOTECHNOLOGY, INC., US</p> <p>[85] 2022-11-09</p> <p>[86] 2021-05-13 (PCT/US2021/032249)</p> <p>[87] (WO2021/231726)</p> <p>[30] US (63/024,937) 2020-05-14</p>	<p style="text-align: right;">[21] 3,178,376</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G10K 11/178 (2006.01)</p> <p>[25] EN</p> <p>[54] ACTIVE ADAPTIVE NOISE AND VIBRATION CONTROL FOR MEDICAL DEVICES</p> <p>[54] REGULATION ACTIVE DU BRUIT ET DES VIBRATIONS POUR DES DISPOSITIFS MEDICAUX</p> <p>[72] DAVE, JAY JYOTINDRA, US</p> <p>[72] PIMENTEL, JULIO CESAR GOMES, US</p> <p>[72] MICELI, MATTHEW M., US</p> <p>[71] CAREFUSION 303, INC., US</p> <p>[85] 2022-11-09</p> <p>[86] 2021-05-18 (PCT/US2021/033020)</p> <p>[87] (WO2021/236682)</p> <p>[30] US (63/027,867) 2020-05-20</p>	<p style="text-align: right;">[21] 3,178,381</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C12N 9/10 (2006.01)</p> <p>[25] EN</p> <p>[54] STEVIOL GLYCOSYLTRANSFERASES AND GENES ENCODING THE SAME</p> <p>[54] GLYCOSYLTRANSFERASES DE STEVIOL ET GENES CODANT POUR CELLES-CI</p> <p>[72] LI, XU, US</p> <p>[72] CHEN, HAN-YI, US</p> <p>[72] ANDERSON, NICKOLAS, US</p> <p>[72] WATERS, AMANDA, US</p> <p>[71] QTG DEVELOPMENT, INC., US</p> <p>[85] 2022-11-09</p> <p>[86] 2021-05-28 (PCT/US2021/034738)</p> <p>[87] (WO2021/243139)</p> <p>[30] US (16/887,435) 2020-05-29</p>
<p style="text-align: right;">[21] 3,178,373</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61M 5/145 (2006.01) A61M 5/168 (2006.01)</p> <p>[25] EN</p> <p>[54] SECURE PATIENT-CONTROLLED ANALGESIA</p> <p>[54] ANALGESIE SECURISEE REGULEE PAR UN PATIENT</p> <p>[72] BURGESS, BRENDAN JOHN, US</p> <p>[72] FERNER, EDWARD STEPHEN, US</p> <p>[72] SCHNEIDER, BETH A., US</p> <p>[72] JOHNSON, SHANNON JOHN, US</p> <p>[72] ABAL, DANIEL, US</p> <p>[71] CAREFUSION 303, INC., US</p> <p>[85] 2022-11-09</p> <p>[86] 2021-05-18 (PCT/US2021/033017)</p> <p>[87] (WO2021/236679)</p> <p>[30] US (63/027,261) 2020-05-19</p>	<p style="text-align: right;">[21] 3,178,378</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61M 5/14 (2006.01) A61M 5/165 (2006.01) A61M 5/168 (2006.01) A61M 39/24 (2006.01)</p> <p>[25] EN</p> <p>[54] MODULAR INTRAVENOUS ASSEMBLY</p> <p>[54] ENSEMBLE INTRAVEINEUX MODULAIRE</p> <p>[72] WINE, JASON, US</p> <p>[72] MANSOUR, GEORGE, US</p> <p>[71] CAREFUSION 303, INC., US</p> <p>[85] 2022-11-09</p> <p>[86] 2021-05-26 (PCT/US2021/034343)</p> <p>[87] (WO2021/242921)</p> <p>[30] US (16/886,388) 2020-05-28</p>	

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G01L 5/04 (2006.01) G01L 11/02
(2006.01)

[25] EN

[54] HOSE THAT CHANGES COLOR
WITH EXPANSION AND
CONTRACTION

[54] TUYAU CHANGEANT DE
COULEUR EN FONCTION D'UNE
EXPANSION ET D'UNE
CONTRACTION

[72] ASHCROFT, THOMAS WILLIAM
DAVID, CA

[71] ASHCROFT, THOMAS WILLIAM
DAVID, CA

[85] 2022-11-09

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[87] (WO2021/226696)

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[25] EN

[54] GENERATING AND MODIFYING
CONTENT USING DATA
STRUCTURES

[54] GENERATION ET
MODIFICATION DE CONTENU A
L'AIDE DE STRUCTURES DE
DONNEES

[72] DAILY, BRADLEY STEPHEN, US

[72] DAVIDSON, JACOB, US

[72] HERCULES, LARA ADRIAN, US

[72] COLEMAN, STEPHANIE, US

[72] KELLY, ALEXANDRA GRACE, US

[72] UNG, NATALIE IRENE, US

[71] THE ROCKET SCIENCE GROUP
LLC, US

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[86] 2021-05-10 (PCT/US2021/031654)

[87] (WO2021/231338)

[30] US (63/022,460) 2020-05-09

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[13] A1

[51] Int.Cl. G01R 21/127 (2006.01) G01R
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17/00 (2019.01) H04L 27/148
(2006.01)

[25] EN

[54] DEVICES, SYSTEMS, AND
SOFTWARE INCLUDING SIGNAL
POWER MEASURING AND
METHODS AND SOFTWARE FOR
MEASURING SIGNAL POWER

[54] DISPOSITIFS, SYSTEMES ET
LOGICIEL FAISANT APPEL A
UNE MESURE DE PUISSANCE DE
SIGNAL AINSI QUE PROCEDES
ET LOGICIEL DE MESURE DE
PUISSEANCE DE SIGNAL

[72] PROTHERO, JERROLD, US

[72] BHATT, TANAY, US

[71] ASTRAPI CORPORATION, US

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[86] 2020-05-15 (PCT/US2020/070053)

[87] (WO2020/232475)

[30] US (62/848,280) 2019-05-15

[21] 3,178,387
[13] A1

[51] Int.Cl. C22C 19/07 (2006.01)

[25] EN

[54] WROUGHTABLE, CHROMIUM-
BEARING, COBALT-BASED
ALLOYS WITH IMPROVED
RESISTANCE TO GALLING AND
CHLORIDE-INDUCED CREVICE
ATTACK

[54] ALLIAGES A BASE DE COBALT
COMPORTANT DU CHROME ET
CORROYABLES, PRÉSENTANT
UNE RESISTANCE AMÉLIORÉE
AU GRIPPAGE ET AUX
ATTAQUES PAR CREVASSES
INDUITES PAR LE CHLORURE

[72] CROOK, PAUL, US

[72] KRISHNAMURTHY,
RAMANATHAN, US

[71] HAYNES INTERNATIONAL, INC.,
US

[85] 2022-11-09

[86] 2021-05-10 (PCT/US2021/031551)

[87] (WO2021/231285)

[30] US (63/022,892) 2020-05-11

[21] 3,178,389
[13] A1

[51] Int.Cl. B29C 45/76 (2006.01)

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[54] MULTIVARIATE SHRINKAGE
SENSOR (MVSS) FOR INJECTION
MOLDING

[54] CAPTEUR DE RETRAIT A
VARIABLES MULTIPLES (MVSS)
POUR MOULAGE PAR
INJECTION

[72] PANCHAL, RAHUL R., US

[71] LEONINE TECHNOLOGIES INC., US

[85] 2022-11-09

[86] 2021-05-12 (PCT/US2021/032076)

[87] (WO2021/231637)

[30] US (63/024,060) 2020-05-13

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[13] A1

[51] Int.Cl. A23B 7/00 (2006.01) A23B 7/14
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[54] POTATO STORAGE

[54] STOCKAGE DE POMMES DE
TERRE

[72] CHOPE, GEMMA A., GB

[72] MCWILLIAM, SIMON C., GB

[72] TERRY, LEON A., GB

[72] COOLS, KATHERINE, GB

[72] TOSETTI, ROBERTA, GB

[71] FRITO-LAY TRADING COMPANY
GMBH, CH

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[87] (WO2021/228420)

[30] GB (2007265.8) 2020-05-15

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- [25] EN
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- [54] BAGUE DE VERROUILLAGE A PROFIL BAS A ACTIONNEMENT A POINT UNIQUE POUR JOINT MECANIQUE
- [72] USENIA, JOSEPH, US
- [72] VAN EPPS, ALAN, US
- [72] POWERS, ROBERT JAMES, US
- [71] A.W. CHESTERTON COMPANY, US
- [85] 2022-11-09
- [86] 2021-06-07 (PCT/US2021/036112)
- [87] (WO2021/248113)
- [30] US (63/035,512) 2020-06-05

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- [25] EN
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- [54] DISPOSITIFS, SYSTEMES, LOGICIELS ET PROCEDES DE COMMUNICATION UTILISANT UN SAUT DE FORMES D'ONDE DE SYMBOLES
- [72] PROTHERO, JERROLD, US
- [71] ASTRAPI CORPORATION, US
- [85] 2022-11-09
- [86] 2020-05-15 (PCT/US2020/070051)
- [87] (WO2020/232473)
- [30] US (62/848,279) 2019-05-15

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- [51] Int.Cl. F24V 30/00 (2018.01)
- [25] EN
- [54] HEAT GENERATING METHOD
- [54] PROCEDE DE GENERATION DE CHALEUR
- [72] IWAMURA, YASUHIRO, JP
- [72] ITO, TAKEHIKO, JP
- [72] YOSHINO, HIDEKI, JP
- [71] CLEAN PLANET INC., JP
- [85] 2022-11-09
- [86] 2022-01-21 (PCT/JP2022/002280)
- [87] (WO2022/158581)
- [30] JP (2021-009154) 2021-01-22

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- [25] EN
- [54] PRESERVING EMERGENCY CALL DURING FAILURE TO TRANSFER
- [54] CONSERVATION D'APPEL D'URGENCE PENDANT UNE DEFAILLANCE DE TRANSFERT
- [72] BAKKER, JAN HENDRIK LUCAS, CA
- [71] BLACKBERRY LIMITED, CA
- [85] 2022-11-09
- [86] 2020-10-09 (PCT/EP2020/078513)
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 - [72] BARANOWSKI, LYN A., US
 - [72] CRIZER, KATELYN R., US
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- [72] KAIN, JESSICA, US
- [72] GRAMMER, AMRIE C., US
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 - [72] XIAO, LIANG, CN
 - [72] XUE, TONGTONG, CN
 - [72] WANG, JINGYI, CN
 - [72] WANG, CHENG, CN
 - [72] LIU, DENGNIAN, CN
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 - [72] SONG, SHUAI, CN
 - [71] SICHUAN KELUN-BIOTECH BIOPHARMACEUTICAL CO., LTD., CN
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- [72] FLITER, KRISTINE LYNN, US
- [72] FAIRWEATHER, NEIL THOMAS, US
- [72] SI, GANG, GB
- [72] GOOD, DAVID, US
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 - [72] CHANG, YAO-CHUAN, US
 - [71] THE FEINSTEIN INSTITUTE FOR MEDICAL RESEARCH, US
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 - [72] FLYNN, ALLISON, US
 - [72] CHOKHAWALA, HARSHAL AKSHAY, US
 - [72] PISTORINO, JONATHAN CARL, US
 - [71] ZYMOCHEM, INC., US
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 - [71] HAPPLYZ MEDICAL, FR
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 - [72] ARORA, AKSHAY, US
 - [72] YANGCHENG, HANYU, US
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 - [71] CORN PRODUCTS DEVELOPMENT INC., US
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 - [72] LI, SZE-WAN, CA
 - [71] UNIVERSITY HEALTH NETWORK, CA
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- [54] ANTICORPS ANTI-CD200R1 ET METHODES D'UTILISATION ASSOCIEES
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- [72] FENAUX, JILEAN BETH, US
- [72] FUH-KELLY, GERMAINE, US
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- [72] BARRON, RONALD MICHAEL, CA
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- [72] MILLER, GREG A., US
- [72] FAHIM, MINA S., US
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- [71] MEDIVIEW XR, INC., US
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- [72] OUELLETTE, ED, US
- [71] FRITO-LAY TRADING COMPANY GMBH, CH
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- [72] KABAYAMA, KAZUYA, JP
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- [71] BAUER MASCHINEN GMBH, DE
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- [72] ZAFIROVIC-VUKOTIC, MIRJANA, CA
- [72] HAWARI, ANAS, CA
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- [72] PETERSON, BRIAN R., US
- [72] KOPERA, TIMOTHY M., US
- [72] HOBBLE, JACKSON G., US
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- [72] MONACO, MATTIA RICCARDO, CH
- [72] RENDINE, STEFANO, CH
- [72] LAMBERTH, CLEMENS, CH
- [72] BLUM, MATHIAS, CH
- [71] SYNGENTA CROP PROTECTION AG, CH
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- [54] CORRECTION AUTOMATIQUE DE POINT DE FUMEE
- [72] LEPINAY, MARTIAL, FR
- [72] CHRISTIEN, JEAN, FR
- [71] AD SYSTEMS S.A.S., FR
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<p>[25] EN</p> <p>[54] FRAME FOR AN ELECTRIC CARGO BICYCLE</p> <p>[54] CADRE POUR UNE BICYCLETTE DE FRET ELECTRIQUE</p> <p>[72] RADENBAUGH, MIKE, US [72] DJAMTORKI, TAUBON, US [72] GRAY, JOE, US [71] RAD POWER BIKES LLC, US [85] 2022-11-10 [86] 2021-05-04 (PCT/US2021/030683) [87] (WO2021/231133) [30] US (16/872,059) 2020-05-11</p>
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- [54] SYSTEMS AND METHODS FOR DIGITIZATION AND TRADING OF TRADE FINANCE ASSETS
- [54] SYSTEMES ET PROCEDES DE NUMERISATION ET DE NEGOCIATION D'ACTIFS FINANCIERS COMMERCIAUX
- [72] TOFFEY, JAMES, US
- [72] DIMARCO, FRANK, US
- [72] HOFELDT, ALBERT, US
- [72] MICHAUD, KRISTEN, US
- [72] CHU, ANDREW, US
- [72] FILIPPONE, JOHN, US
- [71] LIQUIDX, INC., US
- [85] 2022-11-10
- [86] 2021-05-11 (PCT/US2021/031754)
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- [25] EN
- [54] POLYNUCLEOTIDES COMPRISING AN ANTIGENIC PAYLOAD
- [54] POLYNUCLEOTIDES COMPRENANT UNE CHARGE UTILE ANTIGENIQUE
- [72] FRIMANSSON, DANIEL OMAR, US
- [72] HAABETH, OLE, US
- [71] NUTCRACKER THERAPEUTICS, INC., US
- [85] 2022-11-10
- [86] 2021-05-12 (PCT/US2021/031947)
- [87] (WO2021/231541)
- [30] US (63/024,604) 2020-05-14

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- [25] FR
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- [54] COMPOSITION DE FROMAGE FRAIS FERMENTE A FORTE TENEUR EN PROTEINES
- [72] HOUDOUX, ALAIN, FR
- [72] LOISELEUX, THIBAULT, FR
- [72] OLIV, ANNA, FR
- [72] BORG, STEFAN, FR
- [72] LOFGREN, RICHARD, FR
- [71] GROUPE LACTALIS, FR
- [85] 2022-11-10
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- [87] (WO2021/229021)
- [30] FR (FR2004788) 2020-05-14

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- [51] Int.Cl. C25B 15/02 (2021.01)
- [25] EN
- [54] ELECTROLYSIS SYSTEM AND METHOD OF USE OF THE SAME
- [54] SYSTEME D'ELECTROLYSE ET SON PROCEDE D'UTILISATION
- [72] FUJITA, YASUHIRO, JP
- [72] AOKI, HISANAO, JP
- [72] UCHINO, YOUSUKE, JP
- [72] OHNO, JUN, JP
- [71] ASAHI KASEI KABUSHIKI KAISHA, JP
- [85] 2022-11-10
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- [87] (WO2021/229963)
- [30] JP (2020-086126) 2020-05-15

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- [51] Int.Cl. C09K 17/02 (2006.01)
- [25] EN
- [54] CALCIUM-BASED BENTONITE, AND SOIL-IMPROVING AGENT INCLUDING SAME
- [54] BENTONITE A BASE DE CALCIUM ET AGENT D'AMENDEMENT DES SOLS LA COMPRENANT
- [72] CHO, JAE BAEK, KR
- [71] SHIN POONG NCS CO.,LTD, KR
- [85] 2022-11-10
- [86] 2021-05-14 (PCT/KR2021/006094)
- [87] (WO2021/230716)
- [30] KR (10-2020-0057668) 2020-05-14
- [30] KR (10-2021-0062547) 2021-05-14

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- [51] Int.Cl. H02S 30/00 (2014.01)
- [25] EN
- [54] SYSTEM AND METHOD FOR CONNECTING AND FIXING FRAMED SOLAR PANELS TO MAKE A WHEATHERPROOF BUILDING-INTEGRATED MODULAR SURFACE
- [54] SYSTEME ET PROCEDE DE LIAISON ET DE FIXATION DE PANNEAUX SOLAIRES ENCADRES POUR FABRIQUER UNE SURFACE MODULAIRE INTEGREE A UN BATIMENT RESISTANTE AUX INTEMPERIES
- [72] JURIMAE, MATTIS, EE
- [72] KRAAVI, MATI, EE
- [72] AEDNIK, SILVER, EE
- [71] SOLARSTONE OU, EE
- [85] 2022-11-10
- [86] 2021-05-14 (PCT/IB2021/054159)
- [87] (WO2021/229532)
- [30] EE (P202000007) 2020-05-15

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- [25] EN
- [54] BIO-MATERIAL COMPOSITION AND METHODS OF USE IN CRANIOMAXILLOFACIAL SURGERY
- [54] COMPOSITION DE BIOMATERIAU ET METHODES D'UTILISATION EN CHIRURGIE CRANIO-MAXILLO-FACIALE
- [72] MORRIS, FRANKIE L., US
- [72] DIAZ, DREW, US
- [71] BONE SOLUTIONS, INC., US
- [85] 2022-11-10
- [86] 2021-05-27 (PCT/US2021/034404)
- [87] (WO2021/247347)
- [30] US (63/032,843) 2020-06-01

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[25] EN
[54] FRONTLINE VOID PLANOGRAM ALERTING SERVICE TOOL
[54] OUTIL DE SERVICE D'ALERTE DE PLANOGRAMME DE VIDE DE LIGNE AVANT
[72] KAMPE, BRIAN C., US
[72] SCHIMICK, KIMBERLY D., US
[72] SMITH, ANDREW T., US
[72] PHILLIPS, JOHN S., US
[71] FRITO-LAY NORTH AMERICA, INC., US
[85] 2022-11-10
[86] 2021-05-06 (PCT/US2021/031178)
[87] (WO2021/247194)
[30] US (16/892,992) 2020-06-04

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[25] EN
[54] INSULATION PRODUCT AND METHOD FOR MAKING INSULATION PRODUCT
[54] PRODUIT D'ISOLATION ET PROCEDE DE FABRICATION DE PRODUIT D'ISOLATION
[72] SIMPSON, SCOTT, GB
[71] INDUSTRIAL NATURE LTD, GB
[85] 2022-11-10
[86] 2021-05-24 (PCT/GB2021/051261)
[87] (WO2021/240139)
[30] GB (2007818.4) 2020-05-26

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[51] Int.Cl. G16B 15/00 (2019.01) G16B 20/00 (2019.01) G16B 35/00 (2019.01) G16B 45/00 (2019.01)
[25] EN
[54] METHODS OF ANALYSING OR GENERATING SEQUENCES OF ENCODING ELEMENTS
[54] PROCEDES D'ANALYSE OU DE GENERATION DE SEQUENCES D'ELEMENTS DE CODAGE
[72] HAGAN, CHRISTOPHER CHARLES, AU
[71] GGF GLOBAL GENOMICS PTY LIMITED, AU
[85] 2022-11-10
[86] 2021-06-01 (PCT/AU2021/050540)
[87] (WO2021/243404)
[30] AU (2020901794) 2020-06-01

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[51] Int.Cl. C07D 237/28 (2006.01) C07D 405/12 (2006.01)
[25] EN
[54] HERBICIDAL CINNOLINE DERIVATIVES
[54] DERIVES DE CINNOLINE HERBICIDES
[72] ANDERSON, ZOE JANE, GB
[72] DALE, SUZANNA, GB
[72] SIKERVAR, VIKAS, IN
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2022-11-10
[86] 2021-05-14 (PCT/EP2021/062885)
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[30] GB (2007418.3) 2020-05-19
[30] IN (202111015684) 2021-04-01

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[25] EN
[54] OPTIMIZED ONBOARDING OF DEVICES IN A WIRELESS NETWORK
[54] INTEGRATION OPTIMISEE DE DISPOSITIFS DANS UN RESEAU SANS FIL

[72] MICHAUD, TED R., US
[72] BAKER, PAUL, US
[72] COCHRANE, DONALD, US
[72] STRATER, JAY WILLIAM, US
[72] HARTMAN, MICHAEL J., US
[72] NAKANISHI, GREGORY N., US
[71] ARRIS ENTERPRISES LLC, US
[85] 2022-11-10
[86] 2021-05-19 (PCT/US2021/033087)
[87] (WO2021/236723)
[30] US (63/027,518) 2020-05-20

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[51] Int.Cl. G03F 7/20 (2006.01) G02B 5/18 (2006.01) G02B 6/34 (2006.01) G03F 1/26 (2012.01) G01D 5/32 (2006.01)
[25] EN
[54] FIBER BRAGG GRATING SENSOR IN POLYMER-COATED ULTRA-THIN OPTICAL FIBERS AND METHOD FOR PRODUCING SAME
[54] CAPTEUR A RESEAU DE BRAGG A FIBRE DANS DES FIBRES OPTIQUES ULTRA-MINCES REVETUES DE POLYMER ET PROCEDE DE PRODUCTION ASSOCIE
[72] HNATOVSKY, CYRIL, CA
[72] ABDUKERIM, NURMEMET, CA
[72] GROBNIC, DAN, CA
[72] MIHAJOV, STEPHEN, CA
[72] LAUSTEN, RUNE, CA
[72] LU, PING, CA
[72] DING, HUIMIN, CA
[72] COULAS, DAVID, CA
[72] DE SILVA, KASTHURI, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2022-11-10
[86] 2020-05-13 (PCT/IB2020/054544)
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[25] EN
[54] SYSTEMS AND METHODS FOR PRODUCING STERILE INJECTION DEVICES
[54] SYSTEMES ET PROCEDES DE PRODUCTION DE DISPOSITIFS D'INJECTION STERILES
[72] SHIEU, WENDY, US
[72] LLORACH, GERALD, US
[71] COHERUS BIOSCIENCES, INC., US
[85] 2022-11-10
[86] 2021-05-21 (PCT/US2021/033657)
[87] (WO2021/237091)
[30] US (63/028,133) 2020-05-21

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 - [25] EN
 - [54] ELECTRONIC GATEWAY DEVICE, SYSTEM, METHOD AND PROGRAM FOR PROMPTING CREATION OF HOTSPOT ON MOBILE DEVICE FOR CLIENT DEVICE
 - [54] DISPOSITIF PASSERELLE ELECTRONIQUE, SYSTEME, PROCEDE ET PROGRAMME POUR INVITER A LA CREATION D'UN POINT D'ACCES SUR UN DISPOSITIF MOBILE POUR DISPOSITIF CLIENT
 - [72] JIAO, XIANGZHONG, CN
 - [71] ARRIS ENTERPRISES LLC, US
 - [85] 2022-11-10
 - [86] 2020-05-20 (PCT/CN2020/091371)
 - [87] (WO2021/232309)
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- [25] EN
- [54] BATTERY CORE ASSEMBLY, BATTERY, BATTERY PACK AND VEHICLE
- [54] ENSEMBLE D'ELEMENTS, BATTERIE, BLOC-BATTERIE ET VEHICULE
- [72] HU, SHICHAO, CN
- [72] ZHU, YAN, CN
- [72] GAO, XIN, CN
- [71] BYD COMPANY LIMITED, CN
- [85] 2022-11-10
- [86] 2021-04-20 (PCT/CN2021/088457)
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 - [25] EN
 - [54] NEW TRINEXAPAC-ETHYL MICROEMULSION COMPOSITIONS
 - [54] NOUVELLES COMPOSITIONS DE MICROEMULSION DE TRINEXAPAC-ETHYLE
 - [72] SOLANKI, RINA, GB
 - [72] BROQUET, JEAN-CHARLES, GB
 - [71] SYNGENTA CROP PROTECTION AG, CH
 - [85] 2022-11-10
 - [86] 2021-05-20 (PCT/EP2021/063557)
 - [87] (WO2021/239591)
 - [30] EP (20177038.5) 2020-05-28
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- [25] EN
- [54] ANTI-B7H3 ANTIBODIES FOR THE TREATMENT OF CANCER
- [54] ANTICORPS ANTI-B7H3 POUR LE TRAITEMENT DU CANCER
- [72] MAHIUDDIN, AHMED, US
- [72] SEQUEIRA, SONIA, US
- [72] WANG, LINLIN, US
- [71] Y-MABS THERAPEUTICS, INC., US
- [85] 2022-11-10
- [86] 2021-06-01 (PCT/DK2021/050170)
- [87] (WO2021/244721)
- [30] US (63/034,592) 2020-06-04

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 - [25] EN
 - [54] A COVER FOR A MEDICAL INJECTION DEVICE COMPRISING A RADIO FREQUENCY IDENTIFICATION (RFID) TAG
 - [54] COUVERCLE POUR UN DISPOSITIF D'INJECTION MEDICAL COMPRENANT UNE ETIQUETTE D'IDENTIFICATION PAR RADIOFREQUENCE (RFID)
 - [72] RIVIER, CEDRIC, FR
 - [72] EUVRARD, NICOLAS, US
 - [72] LEIBBRAND, ALFRED, FR
 - [72] MARTY, DANIEL, CH
 - [72] THOMAS, FASSLER, CH
 - [71] BECTON DICKINSON FRANCE, FR
 - [71] BECTON, DICKINSON AND COMPANY, US
 - [85] 2022-11-10
 - [86] 2021-05-05 (PCT/EP2021/061883)
 - [87] (WO2021/233684)
 - [30] EP (20175265.6) 2020-05-18
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- [25] EN
- [54] HOLDING DEVICE FOR CARDS AND/OR BANK NOTES
- [54] DISPOSITIF DE RETENUE POUR CARTES ET/OU BILLETS DE BANQUE
- [72] MAYER, FRANK F. E., DE
- [71] MAYER, FRANK F. E., DE
- [85] 2022-11-10
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<p style="text-align: right;">[21] 3,178,515</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H01M 50/593 (2021.01) H01M 50/103 (2021.01) H01M 50/209 (2021.01) H01M 50/242 (2021.01) H01M 50/289 (2021.01)</p> <p>[25] EN</p> <p>[54] BATTERY, BATTERY PACK, AND AUTOMOBILE</p> <p>[54] BATTERIE, BLOC-BATTERIE ET VEHICULE</p> <p>[72] HU, SHICHAO, CN</p> <p>[72] JIANG, YIMIAO, CN</p> <p>[72] ZHANG, MINGMING, CN</p> <p>[71] BYD COMPANY LIMITED, CN</p> <p>[85] 2022-11-10</p> <p>[86] 2021-04-22 (PCT/CN2021/089032)</p> <p>[87] (WO2021/233060)</p> <p>[30] CN (202020848060.X) 2020-05-18</p>	<p style="text-align: right;">[21] 3,178,517</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61M 5/32 (2006.01) A61B 90/98 (2016.01) C06K 19/077 (2006.01)</p> <p>[25] EN</p> <p>[54] A COVER FOR A MEDICAL INJECTION DEVICE COMPRISING A RADIO FREQUENCY IDENTIFICATION (RFID) TAG</p> <p>[54] COUVERCLE POUR UN DISPOSITIF D'INJECTION MEDICAL COMPRENANT UNE ETIQUETTE D'IDENTIFICATION PAR RADIOFRÉQUENCE (RFID)</p> <p>[72] RIVIER, CEDRIC, FR</p> <p>[72] EUVRARD, NICOLAS, US</p> <p>[72] JOUFFRAY, SEBASTIEN, FR</p> <p>[72] LEIBBRAND, ALFRED, FR</p> <p>[71] BECTON DICKINSON FRANCE, FR</p> <p>[71] BECTON, DICKINSON AND COMPANY, US</p> <p>[85] 2022-11-10</p> <p>[86] 2021-04-15 (PCT/EP2021/059839)</p> <p>[87] (WO2021/233613)</p> <p>[30] EP (20175263.1) 2020-05-18</p>	<p style="text-align: right;">[21] 3,178,520</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. F17C 13/10 (2006.01)</p> <p>[25] EN</p> <p>[54] VAPORIZER WITH DEFROSTING FUNCTION</p> <p>[54] VAPORISATEUR A FONCTION DE DEGIVRAGE</p> <p>[72] DRUBE, PAUL, US</p> <p>[72] MADISON, GRANT, US</p> <p>[71] CHART INC., US</p> <p>[85] 2022-11-10</p> <p>[86] 2021-05-13 (PCT/US2021/032149)</p> <p>[87] (WO2021/231677)</p> <p>[30] US (63/024,063) 2020-05-13</p>
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- [54] BATTERY CORE ASSEMBLY, BATTERY, BATTERY PACK AND VEHICLE
- [54] ENSEMBLE DE CELLULES, BATTERIE, BLOC-BATTERIE ET VEHICULE
- [72] HU, SHICHAO, CN
- [72] CHENG, HAN, CN
- [71] BYD COMPANY LIMITED, CN
- [85] 2022-11-10
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- [54] METHOD FOR SOLUBILIZING NATURAL, ENDOGENOUS AND SYNTHETIC CANNABINOIDS
- [54] PROCEDE DE SOLUBILISATION DE CANNABINOIDES NATURELS, ENDOGENES ET SYNTHETIQUES
- [72] SAAR, INGO, DE
- [72] BRYSCHE, WOLFGANG, DE
- [71] ATHENION AG, CH
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- [25] EN
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- [54] SYSTEME ET PROCEDES DE DETERMINATION NON INVASIVE DES PROPRIETES DE RECIPIENTS SOUS PRESSION
- [72] RICHARZ, WERNER G., CA
- [72] RICHARZ, HARRISON F., CA
- [72] VAELOIMAA, TUUKKA, CA
- [71] KENWAVE SOLUTIONS INC., CA
- [85] 2022-11-10
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- [54] BATTERY CORE ASSEMBLY, BATTERY, BATTERY PACK AND VEHICLE
- [54] ENSEMBLE DE CELLULES DE BATTERIE, BATTERIE, BLOC-BATTERIE ET AUTOMOBILE
- [72] HU, SHICHAO, CN
- [72] ZHU, YAN, CN
- [71] BYD COMPANY LIMITED, CN
- [85] 2022-11-10
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- [25] EN
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- [54] ANALOGUES DE LA PROTEINE C TENSIOACTIVE PRESENTANT DES FRACTIONS DE LIAISON A UN PATHOGENE OU A UN ALLERGENE
- [72] FORTKORT, JOHN A., US
- [72] MCCLURE, JOSHUA, US
- [72] BARRON, ANNELINE E., US
- [71] MAXWELL BIOSCIENCES, INC., US
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- [25] EN
- [54] ATTACHMENT OF PDC BEARING MEMBERS, BEARING ASSEMBLIES INCORPORATING SAME AND RELATED METHODS
- [54] FIXATION D'ELEMENTS DE PALIER PDC, ENSEMBLES PALIERS COMPORTANT LADITE FIXATION D'ELEMENTS DE PALIER PDC ET PROCEDES ASSOCIES
- [72] GONZALEZ, JAIR J., US
- [72] LEITE, LEONIDAS C., US
- [71] US SYNTHETIC CORPORATION, US
- [85] 2022-11-10
- [86] 2021-05-10 (PCT/US2021/031561)
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<p style="text-align: right;">[21] 3,178,546</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. E04C 2/288 (2006.01)</p> <p>[25] EN</p> <p>[54] PANEL FOR A FLOOR OR WALL AND METHOD FOR MANUFACTURING ONE SUCH PANEL</p> <p>[54] PANNEAU POUR PLANCHER OU PAROI ET PROCEDE DE FABRICATION D'UN TEL PANNEAU</p> <p>[72] COCHET, FRANCOIS, FR</p> <p>[72] NOCA, LAURENT, FR</p> <p>[71] CARBON CAPTURE BUILDINGS GREENTECH, FR</p> <p>[85] 2022-11-10</p> <p>[86] 2021-05-14 (PCT/EP2021/062898)</p> <p>[87] (WO2021/229088)</p> <p>[30] FR (2004731) 2020-05-13</p>	<p style="text-align: right;">[21] 3,178,548</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B27B 9/04 (2006.01) B26D 3/06 (2006.01)</p> <p>[25] EN</p> <p>[54] FIT FINDER TOOL</p> <p>[54] OUTIL DE DETECTION DE FORME</p> <p>[72] WANG, HENRY, US</p> <p>[71] WANG, HENRY, US</p> <p>[85] 2022-11-10</p> <p>[86] 2021-03-23 (PCT/US2021/023736)</p> <p>[87] (WO2021/230982)</p> <p>[30] US (63/022,922) 2020-05-11</p>	<p style="text-align: right;">[21] 3,178,551</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. F16K 31/122 (2006.01) F16K 37/00 (2006.01) G05D 16/10 (2006.01)</p> <p>[25] EN</p> <p>[54] HYBRID FLOW AND PRESSURE REGULATION</p> <p>[54] REGULATION HYBRIDE D'ECOULEMENT ET DE PRESSION</p> <p>[72] BOYER, ROBERT, US</p> <p>[71] THE ESAB GROUP INC., US</p> <p>[85] 2022-11-10</p> <p>[86] 2021-05-18 (PCT/US2021/032856)</p> <p>[87] (WO2021/236561)</p> <p>[30] US (63/026,253) 2020-05-18</p>
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[21] 3,178,564

[13] A1

- [51] Int.Cl. C07K 16/28 (2006.01)
 - [25] EN
 - [54] ST2 ANTIGEN BINDING PROTEIN
 - [54] PROTEINE DE LIAISON A L'ANTIGENE ST2
 - [72] ZHANG, ZHENGPING, CN
 - [72] YING, SHUSONG, CN
 - [72] XU, HONGJIANG, CN
 - [72] YANG, LING, CN
 - [72] ZHANG, XIQUAN, CN
 - [72] GUO, JUN, CN
 - [72] SHI, WEI, CN
 - [72] SONG, WEI, CN
 - [72] ZHOU, YUNYAN, CN
 - [71] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., CN
 - [85] 2022-11-10
 - [86] 2021-05-11 (PCT/CN2021/093066)
 - [87] (WO2021/228091)
 - [30] CN (202010397572.3) 2020-05-12
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[13] A1

- [51] Int.Cl. H04N 19/154 (2014.01) H04N 19/115 (2014.01) H04N 19/14 (2014.01) H04N 19/17 (2014.01) H04N 19/184 (2014.01)
- [25] EN
- [54] PERCEPTUAL QUALITY ASSESSMENT METRIC BASED CONTENT AND VIEWER AWARE ENCODING
- [54] CONTENU BASE SUR UNE MESURE D'EVALUATION DE QUALITE PERCEPUELLE ET CODAGE SENSIBLE AU SPECTATEUR
- [72] REHMAN, ABDUL, CA
- [72] WANG, ZHOU, CA
- [72] BADR, AHMED, CA
- [72] OLEKAS, CHRISTOPHER VYTAUTAS, CA
- [72] WORMSBECKER, IAN, CA
- [72] AHMED, WAQAS, GB
- [72] OLJNYK, PETER, CA
- [71] SSIMWAVE INC., CA
- [85] 2022-11-10
- [86] 2021-05-14 (PCT/IB2021/054143)
- [87] (3178565)
- [30] US (63/024,865) 2020-05-14

[21] 3,178,566

[13] A1

- [25] EN
 - [54] DATA TRANSMISSION CONTROL METHOD AND APPARATUS
 - [54] PROCEDE ET APPAREIL DE COMMANDE DESTINES A LA TRANSMISSION DE DONNEES
 - [72] YAO, JUNDA, CN
 - [72] HU, ZHIBO, CN
 - [72] DONG, JIE, CN
 - [72] CHEN, XINJUN, CN
 - [71] HUAWEI TECHNOLOGIES CO., LTD., CN
 - [85] 2022-11-10
 - [86] 2020-07-30 (PCT/CN2020/105671)
 - [87] (WO2021/047321)
 - [30] CN (201910860821.5) 2019-09-11
 - [30] CN (201911159775.2) 2019-11-22
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[21] 3,178,568

[13] A1

- [51] Int.Cl. C12Q 1/6806 (2018.01)
- [25] EN
- [54] POLYNUCLEOTIDE ARRAYS
- [54] RESEAUX POLYNUCLEOTIDIQUES
- [72] CRIBBS, ADAM, GB
- [72] PHILPOTT, MARTIN, GB
- [72] OPPERMANN, UDO, GB
- [72] BROWN, TOM, JR., GB
- [72] BROWN, TOM, SR., GB
- [72] WATSON, JONATHAN FRANCIS, GB
- [71] OXFORD UNIVERSITY INNOVATION LIMITED, GB
- [85] 2022-11-10
- [86] 2021-05-13 (PCT/GB2021/051151)
- [87] (WO2021/229230)
- [30] GB (2007059.5) 2020-05-13

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[13] A1

- [51] Int.Cl. C07D 473/34 (2006.01) A61K 31/52 (2006.01) C07D 513/04 (2006.01)
 - [25] EN
 - [54] COMPOUNDS AS PROTEIN KINASE INHIBITORS
 - [54] COMPOSES UTILES EN TANT QU'INHIBITEURS DE PROTEINE KINASE
 - [72] ZHOU, ZUWEN, CN
 - [72] TAN, RUI, CN
 - [72] XU, HUA, CN
 - [72] LIU, QIHONG, CN
 - [72] ZHANG, HUAJIE, CN
 - [72] LIU, BIN, CN
 - [72] ZHANG, WEIPENG, CN
 - [72] LI, ZHIFU, CN
 - [72] LIU, YANXIN, CN
 - [72] LIN, SHU, US
 - [72] ZHAO, XINGDONG, CN
 - [72] WANG, WEIBO, US
 - [71] FOCHON BIOSCIENCES, LTD., CN
 - [85] 2022-11-10
 - [86] 2021-05-14 (PCT/CN2021/093857)
 - [87] (WO2021/233227)
 - [30] US (63/026,021) 2020-05-16
 - [30] US (63/044,962) 2020-06-26
 - [30] US (63/137,733) 2021-01-15
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[21] 3,178,570

[13] A1

- [25] EN
- [54] SWEEP FREQUENCY FLUOROMETER
- [54] FLUORIMETRE A BALAYAGE EN FREQUENCE
- [72] FLANAGAN, KEVIN, US
- [71] YSI INCORPORATED, US
- [85] 2022-11-10
- [86] 2021-05-19 (PCT/US2021/033090)
- [87] (WO2021/236726)
- [30] US (63/027,587) 2020-05-20
- [30] US (63/028,013) 2020-05-21
- [30] US (63/028,723) 2020-05-22

Demandes PCT entrant en phase nationale

<p>[21] 3,178,571 [13] A1</p> <p>[51] Int.Cl. H04B 1/10 (2006.01) H04B 1/40 (2015.01)</p> <p>[25] EN</p> <p>[54] LTE STANDARD DISTRIBUTED RELAY SYSTEM, UPLINK NOISE SUPPRESSION METHOD, AND COMPUTER DEVICE</p> <p>[54] SYSTEME DE RELAIS DISTRIBUE A NORME LTE, PROCEDE DE SUPPRESSION DE BRUIT DE LIAISON MONTANTE, ET DISPOSITIF INFORMATIQUE</p> <p>[72] CAO, YONGFU, CN</p> <p>[72] HONG, PANFENG, CN</p> <p>[72] XIE, JIANPING, CN</p> <p>[71] SUNWAVE COMMUNICATIONS CO., LTD., CN</p> <p>[71] BTI WIRELESS LIMITED, CN</p> <p>[71] BRAVO TECH INC, US</p> <p>[85] 2022-11-10</p> <p>[86] 2021-04-12 (PCT/CN2021/086619)</p> <p>[87] (WO2022/027996)</p> <p>[30] CN (202010771575.9) 2020-08-04</p>
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<p>[21] 3,178,574 [13] A1</p> <p>[51] Int.Cl. B01J 35/04 (2006.01)</p> <p>[25] EN</p> <p>[54] DIRECT CAPTURE SUBSTRATE, DEVICE AND METHOD</p> <p>[54] SUBSTRAT DE CAPTURE DIRECTE, DISPOSITIF ET PROCEDE</p> <p>[72] MASOUDI, MANSOUR, US</p> <p>[72] HENSEL, JACOB ROY, US</p> <p>[72] TEGELER IV, EDWARD BENJAMIN, US</p> <p>[71] EMISSOL LLC, US</p> <p>[85] 2022-11-10</p> <p>[86] 2021-05-11 (PCT/US2021/031873)</p> <p>[87] (WO2021/231500)</p> <p>[30] US (63/022,965) 2020-05-11</p> <p>[30] US (63/022,798) 2020-05-11</p> <p>[30] US (63/023,011) 2020-05-11</p>

<p>[21] 3,178,575 [13] A1</p>
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<p>[25] EN</p> <p>[54] METHOD, DEVICE, AND SYSTEM FOR DETERMINING REQUIRED BANDWIDTH FOR DATA STREAM TRANSMISSION</p> <p>[54] PROCEDE DE DETERMINATION DE BANDE PASSANTE REQUISE POUR TRANSMISSION DE FLUX DE DONNEES, ET DISPOSITIFS ET SYSTEME</p> <p>[72] ZHANG, JIAYI, CN</p> <p>[72] WANG, TONGTONG, CN</p> <p>[72] WANG, XINYUAN, CN</p> <p>[72] JIN, MINWEI, CN</p> <p>[72] CHEN, LIHAO, CN</p> <p>[71] HUAWEI TECHNOLOGIES CO., LTD., CN</p> <p>[85] 2022-11-10</p> <p>[86] 2020-09-04 (PCT/CN2020/113461)</p> <p>[87] (WO2021/057447)</p> <p>[30] CN (201910927452.7) 2019-09-27</p> <p>[30] CN (201911089128.9) 2019-11-08</p>
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<p>[21] 3,178,576 [13] A1</p> <p>[51] Int.Cl. F24F 13/02 (2006.01)</p> <p>[25] EN</p> <p>[54] APPARATUS FOR TENSIONING PLIABLE AIRDUCTS WHILE SUPPORTING INTERNAL HVAC COMPONENTS</p> <p>[54] APPAREIL PERMETTANT DE TENDRE DES CONDUITS D'AIR PLIABLES TOUT EN SUPPORTANT DES COMPOSANTS DE CVCA INTERNES</p> <p>[72] SCHMIDT, BLAINE, US</p> <p>[72] GEBKE, KEVIN J., US</p> <p>[72] KAUFMANN, NICHOLAS L., US</p> <p>[72] NIEHAUS, WILLIAM A., US</p> <p>[71] RITE-HITE HOLDING CORPORATION, US</p> <p>[85] 2022-11-10</p> <p>[86] 2021-05-13 (PCT/US2021/032267)</p> <p>[87] (WO2021/231740)</p> <p>[30] US (63/024,061) 2020-05-13</p>
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<p>[21] 3,178,577 [13] A1</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR MEMORY COMPRESSION FOR DEEP LEARNING NETWORKS</p> <p>[54] SYSTEME ET PROCEDE DE COMPRESSION DE MEMOIRE POUR RESEAUX D'APPRENTISSAGE PROFOND</p> <p>[72] EDO VIVANCOS, ISAK, CA</p> <p>[72] MOSHOVOS, ANDREAS, CA</p> <p>[72] SHARIFYMOGHADDAM, SAYEH, CA</p> <p>[72] DELMAS LASCORZ, ALBERTO, CA</p> <p>[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA</p> <p>[85] 2022-11-10</p> <p>[86] 2021-05-14 (PCT/CA2021/050664)</p> <p>[87] (WO2021/226720)</p> <p>[30] US (63/024,907) 2020-05-14</p>
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[21] 3,178,578
[13] A1

[25] EN
[54] MESSAGE SENDING AND RECEIVING METHODS AND APPARATUSES, AND COMMUNICATION SYSTEM
[54] PROCEDE ET APPAREIL D'ENVOI ET DE RECEPTION DE MESSAGE, ET SYSTEME DE COMMUNICATION
[72] NIU, CHENGGUANG, CN
[72] YU, ZHOUYI, CN
[72] GUO, HONGTAO, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-11-10
[86] 2021-05-23 (PCT/CN2021/095361)
[87] (WO2021/244336)
[30] CN (202010482871.7) 2020-05-30
[30] CN (202010599684.7) 2020-06-28

[21] 3,178,579
[13] A1

[51] Int.Cl. A61F 13/535 (2006.01) A61F 13/496 (2006.01) A61F 13/53 (2006.01)
[25] EN
[54] PANT-TYPE ABSORBENT ARTICLE
[54] ARTICLE ABSORBANT DE TYPE CULOTTE
[72] LINDSTROM, ASA, SE
[72] DEELEN, BERT, NL
[72] OLAUSSON WETTERLUND, MOA, SE
[71] ESSITY HYGIENE AND HEALTH AKTIEBOLAG, SE
[85] 2022-11-10
[86] 2020-05-14 (PCT/SE2020/050495)
[87] (WO2021/230782)

[21] 3,178,580
[13] A1

[51] Int.Cl. G06T 17/05 (2011.01) G06T 19/20 (2011.01) G06T 7/149 (2017.01) G06N 3/02 (2006.01) G06N 3/10 (2006.01) G06T 15/50 (2011.01)
[25] EN
[54] CREATING IMAGERY FOR AI MODEL TRAINING IN SECURITY SCREENING
[54] PROCEDE ET APPAREIL POUR CREER UNE IMAGERIE SYNTETIQUE DE GRANDE FIDELITE POUR APPRENTISSAGE ET INFERENCE D'UN MODELE D'INTELLIGENCE ARTIFICIELLE DANS DES APPLICATIONS DE SECURITE ET DE FILTRAG
[72] FITERMAN, ERIC, US
[71] CIGNAL LLC, US
[85] 2022-11-10
[86] 2021-05-14 (PCT/US2021/032489)
[87] (WO2021/231888)
[30] US (63/024,709) 2020-05-14
[30] US (17/320,792) 2021-05-14

[21] 3,178,581
[13] A1

[51] Int.Cl. B65D 17/50 (2006.01)
[25] EN
[54] CLOSURE ASSEMBLY FOR A BEVERAGE CONTAINER AND METHOD FOR REPEATABLY CLOSING A BEVERAGE CONTAINER BY MEANS OF A CLOSURE ASSEMBLY
[54] DISPOSITIF DE FERMETURE CONCU POUR UN CONTENANT A BOISSON ET PROCEDE POUR REFERMER DE MANIERE REPETEE UN CONTENANT A BOISSON EQUIPE D'UN DISPOSITIF DE FERMETURE
[72] JOBGES, UDO, DE
[72] RIECK, HAJO, DE
[72] GONNERT, PETER, DE
[71] ARDAGH METAL BEVERAGE HOLDINGS GERMANY GMBH, DE
[85] 2022-11-10
[86] 2021-06-04 (PCT/EP2021/065047)
[87] (WO2021/245256)
[30] DE (10 2020 114 863.1) 2020-06-04

[21] 3,178,582
[13] A1

[51] Int.Cl. A61K 35/17 (2015.01) C07K 14/725 (2006.01)
[25] EN
[54] METHOD OF TREATMENT OF CANCER OR TUMOUR
[54] PROCEDE DE TRAITEMENT DU CANCER OU D'UNE TUMEUR
[72] WILLIAMS, DENNIS ROBERT, US
[71] ADAPTIMMUNE LIMITED, GB
[85] 2022-11-10
[86] 2021-05-13 (PCT/GB2021/051157)
[87] (WO2021/229234)
[30] US (63/024,077) 2020-05-13
[30] US (63/030,503) 2020-05-27
[30] US (63/089,611) 2020-10-09

[21] 3,178,583
[13] A1

[51] Int.Cl. D04H 1/26 (2012.01) D04H 1/425 (2012.01) D04H 1/4258 (2012.01) D04H 1/492 (2012.01) D21H 21/36 (2006.01)
[25] EN
[54] NON-WOVEN FABRIC CONTAINING A DISINFECTING AGENT AND METHOD FOR PRODUCING THE SAME
[54] NON-TISSE CONTENANT UN AGENT DESINFECTANT ET SON PROCEDE DE PRODUCTION
[72] TISCHER, THOMAS, DE
[72] KUHN, JORG, DE
[72] DERY, NICOLAS, CA
[71] GLATFELTER GERNSBACH GMBH, DE
[85] 2022-11-10
[86] 2021-05-11 (PCT/EP2021/062503)
[87] (WO2021/228868)
[30] EP (20174270.7) 2020-05-12

[21] 3,178,585
[13] A1

[51] Int.Cl. E05F 15/643 (2015.01)
[25] EN
[54] A BELT TENSIONING SYSTEM
[54] SYSTEME DE MISE EN TENSION DE COURROIE
[72] DREYER, ROGER, SE
[72] ONNERED, SIMON, SE
[71] ASSA ABLOY ENTRANCE SYSTEMS AB, SE
[85] 2022-11-10
[86] 2021-06-03 (PCT/EP2021/064904)
[87] (WO2021/245188)
[30] SE (2030186-7) 2020-06-04

Demandes PCT entrant en phase nationale

[21] 3,178,587
[13] A1

- [51] Int.Cl. G16H 30/40 (2018.01)
- [25] FR
- [54] METHOD FOR PREDICTING THE RECURRENCE OF A LESION BY IMAGE ANALYSIS
- [54] METHODE DE PREDICTION DE LA RECIDIVE D'UNE LESION PAR ANALYSE D'IMAGES
- [72] OUBEL, ESTANISLAO, FR
- [72] BLONDEL, LUCIEN, FR
- [72] NAHUM, BERTIN, FR
- [72] BADANO, FERNAND, FR
- [71] QUANTUM SURGICAL, FR
- [85] 2022-11-10
- [86] 2021-05-20 (PCT/FR2021/050906)
- [87] (WO2021/234304)
- [30] FR (2005338) 2020-05-20

[21] 3,178,588
[13] A1

- [51] Int.Cl. A61K 35/17 (2015.01) C07K 14/725 (2006.01)
- [25] EN
- [54] METHOD OF TREATMENT OF CANCER OR TUMOUR
- [54] PROCEDE DE TRAITEMENT DU CANCER OU D'UNE TUMEUR
- [72] DUDLEY, MARK EDWARD, US
- [71] ADAPTImmune LIMITED, GB
- [85] 2022-11-10
- [86] 2021-05-13 (PCT/GB2021/051158)
- [87] (WO2021/229235)
- [30] US (63/024,104) 2020-05-13

[21] 3,178,589
[13] A1

- [25] EN
- [54] USE OF COMPLEMENT FACTOR D INHIBITORS ALONE OR IN COMBINATION WITH ANTI-C5 ANTIBODIES FOR TREATMENT OF PAROXYSMAL NOCTURNAL HEMOGLOBINURIA
- [54] UTILISATION D'INHIBITEURS DU FACTEUR D DU COMPLEMENT SEULS OU EN COMBINAISON AVEC DES ANTICORPS ANTI-C5 POUR LE TRAITEMENT DE L'HEMOGLOBINURIE PAROXYSMIQUE NOCTURNE
- [72] HUANG, MINGJUN, US
- [72] HUI, JAMES, US
- [72] PODOS, STEVEN, US
- [72] PATEL, DHARABEN, US
- [72] GEFFNER, MICHAEL, US
- [71] ALEXION PHARMACEUTICALS, INC., US
- [85] 2022-11-10
- [86] 2021-05-11 (PCT/US2021/031832)
- [87] (WO2021/231470)
- [30] US (63/023,415) 2020-05-12
- [30] US (63/044,431) 2020-06-26

[21] 3,178,591
[13] A1

- [51] Int.Cl. C12N 7/01 (2006.01) C12N 15/113 (2010.01) A61K 48/00 (2006.01) A61P 21/00 (2006.01) C12N 15/10 (2006.01) C12N 15/12 (2006.01) C12N 15/864 (2006.01) C12N 15/87 (2006.01)
- [25] EN
- [54] IMMUNOSUPPRESSIVE AGENTS AND VIRAL DELIVERY RE-DOSING METHODS FOR GENE THERAPY
- [54] AGENTS IMMUNOSUPPRESSEURS ET METHODES DE RE-DOSAGE D'ADMINISTRATION VIRALE POUR THERAPIE GENIQUE
- [72] YOUNG, COURTNEY, US
- [72] SPENCER, MELISSA, US
- [72] PYLE, APRIL, US
- [71] MYOGENE BIO LLC, US
- [85] 2022-11-10
- [86] 2021-05-12 (PCT/US2021/031994)
- [87] (WO2021/231575)
- [30] US (63/023,767) 2020-05-12

[21] 3,178,592
[13] A1

- [51] Int.Cl. A61K 38/48 (2006.01) A23J 3/18 (2006.01) A23J 3/34 (2006.01) A61P 1/14 (2006.01) A61P 37/08 (2006.01)
- [25] EN
- [54] METHODS AND COMPOSITIONS FOR ATI DIGESTION
- [54] METHODES ET COMPOSITIONS POUR LA DIGESTION D'ATI
- [72] COLGRAVE, MICHELLE LISA, AU
- [72] JUHASZ, ANGELA, AU
- [72] TANNER, GREGORY JOHN, AU
- [72] PENA, EZEQUIEL, AU
- [71] GLUTAGEN PTY LTD, AU
- [85] 2022-11-10
- [86] 2021-05-12 (PCT/AU2021/050446)
- [87] (WO2021/226672)
- [30] AU (2020901527) 2020-05-12

[21] 3,178,594
[13] A1

- [51] Int.Cl. B61C 17/04 (2006.01) B66F 1/06 (2006.01) F16H 21/16 (2006.01)
- [25] EN
- [54] RAILWAY TRAINS AND PEDAL DEVICE THEREFOR
- [54] DISPOSITIF DE REPOSE-PIEDS POUR TRAIN SUR RAILS ET TRAIN SUR RAILS
- [72] ZHANG, LI, CN
- [72] ZHANG, YINGYONG, CN
- [72] CHEN, LEHENG, CN
- [72] CAO, ZENGZHAO, CN
- [72] LI, ZHONGXIN, CN
- [72] SHI, JIUXI, CN
- [72] AN, CHAO, CN
- [71] CRRC TANGSHAN CO., LTD., CN
- [85] 2022-11-10
- [86] 2020-06-11 (PCT/CN2020/095618)
- [87] (WO2021/227172)
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[54] **IMMUNE BOOSTER - SUPPLEMENT TREATMENT KIT AND METHODS OF USE**
[54] **KIT DE TRAITEMENT DE COMPLEMENT DE STIMULATION IMMUNITAIRE ET PROCEDES D'UTILISATION**
[72] ECHEVERRY CAMPOS, DARIO, US
[71] ALTERED LABS LLC, US
[85] 2022-11-10
[86] 2021-05-14 (PCT/US2021/032556)
[87] (WO2021/231930)
[30] US (63/025,685) 2020-05-15

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[25] EN
[54] **PREDICTING DISEASE OUTCOMES USING MACHINE LEARNED MODELS**
[54] **PREDICTION DE L'EVOLUTION DE MALADIES A L'AIDE DE MODELES D'APPRENTISSAGE AUTOMATIQUE**
[72] KOLLER, DAPHNE, US
[72] KAYKAS, AJAMETE, US
[72] SHARON, EILON, US
[72] COTTA-RAMUSINO, CECILIA GIOVANNA SILVIA, US
[72] PALMEDO, PETER FRANKLIN, JR., US
[72] SULTAN, MOHAMMAD MUNEEB, US
[72] STANITSAS, PANAGIOTIS DIMITRIOS, US
[72] CASALE, FRANCESCO PAOLO, US
[72] RIESSELMAN, ADAM JOSEPH, US
[72] KATEGAYA, LORN, US
[72] SALICK, MAX R., US
[71] INSITRO, INC., US
[85] 2022-11-10
[86] 2021-05-21 (PCT/US2021/033702)
[87] (WO2021/237117)
[30] US (63/029,038) 2020-05-22

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[51] Int.Cl. A61K 35/19 (2015.01) A61K 35/16 (2015.01) A61P 17/02 (2006.01) A61P 17/14 (2006.01) A61P 19/02 (2006.01)
[25] EN
[54] **NOVEL ANUCLEATED CELLS AS A SOURCE FOR TREATMENT OF PLATELET RICH PLASMA DEPENDENT DISORDERS**
[54] **NOUVELLES CELLULES ANUCLEEES EN TANT QUE SOURCE POUR LE TRAITEMENT DE TROUBLES DEPENDANT DU PLASMA RICHE EN PLAQUETTES**
[72] FALB, DEAN, US
[71] PLATELET BIOGENESIS, INC., US
[85] 2022-11-10
[86] 2021-05-13 (PCT/US2021/032353)
[87] (WO2021/231807)
[30] US (63/024,587) 2020-05-14
[30] US (63/106,009) 2020-10-27
[30] US (63/144,033) 2021-02-01

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[25] EN
[54] **HERBICIDAL CINNOLINE DERIVATIVES**
[54] **DERIVES DE CINNOLINE HERBICIDES**
[72] ANDERSON, ZOE JANE, GB
[72] WHALLEY, LOUISA, GB
[72] MUNNS, GORDON RICHARD, GB
[72] BURTON, PAUL MATTHEW, GB
[72] DALE, SUZANNA, GB
[72] MORRIS, JAMES ALAN, GB
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2022-11-10
[86] 2021-05-14 (PCT/EP2021/062884)
[87] (WO2021/233786)
[30] GB (2007419.1) 2020-05-19

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[51] Int.Cl. H04B 7/06 (2006.01) H04B 17/309 (2015.01) H04B 7/0408 (2017.01) H04B 7/0417 (2017.01)
[25] EN
[54] **INTERFERENCE-AWARE BEAMFORMING**
[54] **FORMATION DE FAISCEAUX TENANT COMPTE DU BROUILLAGE**
[72] MALLIK, SIDDHARTH, US
[72] KADOUS, TAMER ADEL, US
[72] ELGHARIANI, ALI A., US
[71] XCOM LABS, INC., US
[85] 2022-11-10
[86] 2021-05-18 (PCT/US2021/032986)
[87] (WO2021/242574)
[30] US (63/030,181) 2020-05-26

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- [25] EN
- [54] A GAME APPARATUS
- [54] APPAREIL DE JEU
- [72] HOLMES, DEAN, AU
- [71] TAKTIK PRODUCTS PTY LTD, AU
- [85] 2022-11-11
- [86] 2021-05-20 (PCT/AU2021/050477)
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- [51] Int.Cl. C11D 3/22 (2006.01)
- [25] EN
- [54] A LAUNDRY CARE OR DISH CARE COMPOSITION COMPRISING A POLY ALPHA-1,6-GLUCAN ESTER
- [54] COMPOSITION DE SOIN DU LINGE OU DE SOIN DE LA VAISSELLE COMPRENANT UN ESTER DE POLY ALPHA-1,6-GLUCANE
- [72] SIVIK, MARK ROBERT, US
- [72] FLITER, KRISTINE LYNN, US
- [72] BOUTIQUE, JEAN-POL, BE
- [72] FAIRWEATHER, NEIL THOMAS, US
- [72] SI, GANG, GB
- [72] CHILTON, RUTH, GB
- [72] GOOD, DAVID, US
- [72] HUANG, ZHENG-ZHENG, US
- [72] LU, HELEN, US
- [72] ADELMAN, DOUGLAS, US
- [71] THE PROCTER & GAMBLE COMPANY, US
- [85] 2022-11-11
- [86] 2021-06-09 (PCT/US2021/036509)
- [87] (WO2021/252559)
- [30] US (63/037,012) 2020-06-10
- [30] EP (20180321.0) 2020-06-16

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- [25] EN
- [54] AIRWAY MEDICAMENTS
- [54] MEDICAMENTS POUR VOIES RESPIRATOIRES
- [72] HARBURGER, DAVID S., US
- [72] GIRINATH, PRASHANT, US
- [71] TRENCH THERAPEUTICS, INC., US
- [85] 2022-11-11
- [86] 2021-05-27 (PCT/US2021/034464)
- [87] (WO2021/242988)
- [30] US (62/704,770) 2020-05-28

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- [25] EN
- [54] A PRODUCT COMPRISING POLY ALPHA 1,3-GLUCAN ESTERS
- [54] PRODUIT COMPRENANT DES ESTERS DE POLY ALPHA-1,3-GLUCANE
- [72] SIVIK, MARK ROBERT, US
- [72] FLITER, KRISTINE LYNN, US
- [72] MCDONOUGH, KATHLEEN MARY, US
- [72] SI, GANG, GB
- [72] GOOD, DAVID, US
- [72] MCDONNELL, MICHAEL, GB
- [72] HUANG, ZHENG-ZHENG, US
- [72] LU, HELEN, US
- [71] THE PROCTER & GAMBLE COMPANY, US
- [85] 2022-11-11
- [86] 2021-06-09 (PCT/US2021/036513)
- [87] (WO2021/252563)
- [30] US (63/037,030) 2020-06-10
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- [25] EN
- [54] CHIP MODULE AND ELECTRONIC DEVICE
- [54] MODULE DE PUCE ET DISPOSITIF ELECTRONIQUE
- [72] WANG, FENG, CN
- [72] ZHAO, YOUSHU, CN
- [72] ZHANG, YAILEI, CN
- [72] XIE, YANGYUN, CN
- [71] HUAWEI TECHNOLOGIES CO., LTD., CN
- [85] 2022-11-11
- [86] 2021-04-26 (PCT/CN2021/090007)
- [87] (WO2021/227862)
- [30] CN (202010401964.2) 2020-05-13

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- [51] Int.Cl. C07D 403/04 (2006.01)
- [25] EN
- [54] METHOD FOR PREPARING 2-CHLORO-N-(1-CYANOCYCLOPROPYL)-5-[2'-METHYL-5'-(PENTAFLUOROETHYL)-4'-(TRIFLUOROMETHYL)-2'H-1,3'-BIPYRAZOL-4-YL]BENZAMIDE
- [54] PROCEDE DE PREPARATION DE 2-CHLORO-N-(1-CYANOCYCLOPROPYLE)-5-[2'-METHYL-5'-(PENTAFLUOROETHYL)-4'-(TRIFLUOROMETHYL)-2'H-1,3'-BIPYRAZOL-4-YL]BENZAMIDE
- [72] MAIS, FRANZ-JOSEF, DE
- [72] LINDNER, WERNER, DE
- [72] OLENIK, BRITTA, DE
- [72] KEIL, BIRGIT, DE
- [72] SCHEITHAUER, HILDEGARD, DE
- [71] VETOQUINOL S.A., FR
- [85] 2022-11-11
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- [87] (WO2021/239835)
- [30] EP (20176774.6) 2020-05-27

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[25] EN
[54] ATTACHMENT SYSTEM FOR ENDOSCOPES
[54] SYSTEME DE FIXATION POUR ENDOSCOPES
[72] CHU, BOBY, CA
[72] CHABOT, BRUNO, CA
[72] THIBAULT, BENOIT, CA
[72] MIHALIK, TERESA ANN, CA
[71] 9393-2655 QUEBEC INC., CA
[85] 2022-11-11
[86] 2021-05-12 (PCT/CA2021/050658)
[87] (WO2021/226715)
[30] US (63/024,030) 2020-05-13

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[25] EN
[54] CLEAN WATER FOR BATHING AND MEDICAL TREATMENTS
[54] EAU SAINE POUR LE BAIN ET TRAITEMENTS MEDICAUX
[72] GINTER, ANTHONY, US
[71] WEO, LLC, US
[85] 2022-11-11
[86] 2021-05-18 (PCT/US2021/033037)
[87] (WO2021/236693)
[30] US (16/878,515) 2020-05-19

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[25] EN
[54] DEVICES AND METHODS FOR LAPAROSCOPIC ACCESS AND WOUND CLOSURE
[54] DISPOSITIFS ET PROCEDES D'ACCES LAPAROSCOPIQUE ET DE FERMETURE DE PLAIE
[72] RAY, SUBIR, US
[72] CHANG, KUOWEI, US
[71] RAY, SUBIR, US
[71] CHANG, KUOWEI, US
[85] 2022-11-11
[86] 2021-05-26 (PCT/US2021/034277)
[87] (WO2021/242875)
[30] US (63/101,958) 2020-05-26

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[25] EN
[54] PROGRAMMABLE NUCLEASE DIAGNOSTIC DEVICE
[54] DISPOSITIF DE DIAGNOSTIC A NUCLEASE PROGRAMMABLE
[72] CHING, JESUS, US
[72] BROUGHTON, JAMES PAUL, US
[72] TSALOGLOU, MARIA-NEFELI, US
[72] LEE, PHILLIP YOU FAI, US
[72] PATNO, TIMOTHY JAMES, US
[72] CHEN, JANICE SHA, US
[72] SHAPIRO, SARAH JANE, US
[72] CORDOVA, JAMES RAYMOND, US
[72] EASTMAN, BRIAN J., US
[72] LOWMILLER, DONALD ALLAN, US
[72] FASCHING, CLARE LOUISE, US
[72] HENDRIKS, CARLEY GELENTER, US
[72] KREINDLER, LIOR, US
[72] DRZAL, DANIEL THOMAS, US
[72] SPRATT, DEVIN, US
[72] LESINSKI, JACOB, US
[72] BAIK, JOSHUA, US
[72] DERANEY, RACHEL NOUHA, US
[72] JAIN, SONAL, US
[72] HUBBELL, SOPHIA, US
[72] VEROLOSSOFF, MATTHEW, US
[71] MAMMOTH BIOSCIENCES, INC., US
[85] 2022-11-11
[86] 2021-05-28 (PCT/US2021/035031)
[87] (WO2021/243308)
[30] US (63/032,455) 2020-05-29
[30] US (63/113,798) 2020-11-13
[30] US (63/151,592) 2021-02-19
[30] US (63/166,538) 2021-03-26
[30] US (63/181,130) 2021-04-28

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[51] Int.Cl. A45F 3/08 (2006.01)
[25] FR
[54] BACKPACK COMPRISING AN OUTER ENCLOSURE SEPARATE FROM THE MAIN POCKET
[54] SAC A DOS COMPRENANT UNE ENVELOPPE EXTERNE INDEPENDANTE DE LA POCHE PRINCIPALE
[72] DICU, SORIN, FR
[71] BLUE ICE EUROPE, FR
[85] 2022-11-11
[86] 2021-05-25 (PCT/FR2021/050945)
[87] (WO2021/240108)
[30] FR (FR2005629) 2020-05-28

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[51] Int.Cl. B29C 41/28 (2006.01) B29C 41/32 (2006.01)
[25] EN
[54] COMPOSITE FILM AND PRODUCTION THEREOF USING A COATING FACILITY
[54] FILM COMPOSITE ET SA PRODUCTION A L'AIDE D'UNE INSTALLATION DE REVETEMENT
[72] BECKER-WEIMANN, KLAUS, DE
[72] FANDREY, JENS, DE
[71] KLEBCHEMIE M.G. BECKER GMBH & CO. KG, DE
[85] 2022-11-11
[86] 2021-06-16 (PCT/EP2021/066212)
[87] (WO2021/255080)
[30] DE (10 2020 115 796.7) 2020-06-16

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[51] Int.Cl. E03B 9/02 (2006.01) F16L 37/252 (2006.01)
[25] EN
[54] HYDRANT NOZZLE CAP ADAPTER
[54] RACCORD DE CAPUCHON DE BUSE DE BOUCHE D'INCENDIE
[72] GIBSON, DARYL LEE, US
[72] SITNIKOV, TIMOFEY, US
[72] GIFFORD, PAUL S., US
[71] MUELLER INTERNATIONAL, LLC, US
[85] 2022-11-11
[86] 2021-05-06 (PCT/US2021/031033)
[87] (WO2021/231163)
[30] US (16/874,340) 2020-05-14

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 - [25] FR
 - [54] LIFT ASSEMBLY AND ASSEMBLING/DISMANTLING AND DOCKING METHOD
 - [54] ENSEMBLE ELEVATEUR ET PROCEDE DE MONTAGE/DEMONTAGE ET ACCOSTAGE
 - [72] NARDELLI, GABRIEL, FR
 - [72] NARDELLI, ALEXANDRE, FR
 - [71] XL INDUSTRIES, FR
 - [85] 2022-11-11
 - [86] 2021-05-12 (PCT/FR2021/050840)
 - [87] (WO2021/229193)
 - [30] FR (FR2004757) 2020-05-14
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- [25] EN
- [54] PROCESSES FOR PREPARING C-4 SUGARS AND KETOSE SUGARS
- [54] PROCEDES DE PREPARATION DE SUCRES C-4 ET DE SUCRES CETOSSES
- [72] COLLINS, WILLIAM J., US
- [72] TERRIAN, JOSH, US
- [72] BRAZZIL, JAMES, US
- [72] MARTIN, KEVIN, US
- [71] ARCHER DANIELS MIDLAND COMPANY, US
- [85] 2022-11-11
- [86] 2021-04-30 (PCT/US2021/030350)
- [87] (WO2021/231111)
- [30] US (63/023,765) 2020-05-12

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- [25] EN
- [54] FUNCTIONAL LIGANDS TO SARS-COV-2 SPIKE PROTEIN
- [54] LIGANDS FONCTIONNELS VIS-A-VIS D'UNE PROTEINE DE SPICULE DE SARS-COV-2
- [72] JACKSON, GEORGE, US
- [72] LEE, GARAM, US
- [72] DRABEK, RAFAL, US
- [72] CHIU, ALEXANDER, US
- [72] KUAR, JASMINE, US
- [71] BASE PAIR BIOTECHNOLOGIES, INC., US
- [85] 2022-11-11
- [86] 2021-05-25 (PCT/US2021/034037)
- [87] (WO2021/232028)
- [30] US (63/023,816) 2020-05-12
- [30] US (63/066,417) 2020-08-17

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 - [25] EN
 - [54] TUMOUR BIOMARKERS FOR IMMUNOTHERAPY
 - [54] BIOMARQUEURS TUMORAUX POUR L'IMMUNOTHERAPIE
 - [72] SAINSON, RICHARD CHARLES ALFRED, GB
 - [72] DEANTONIO, CECILIA, GB
 - [72] HSU, CHIH-HUNG, TW
 - [72] LU, LI-CHUN, TW
 - [72] SHERRY, LORCAN ADRIAN, GB
 - [71] KYMAB LIMITED, GB
 - [85] 2022-11-11
 - [86] 2021-05-13 (PCT/EP2021/062778)
 - [87] (WO2021/229032)
 - [30] GB (2007099.1) 2020-05-14
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 - [71] CELLIX BIO PRIVATE LIMITED, IN
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- [72] VASUDEVAN NAIR, AKHIL, US
- [71] CAPITAL ONE SERVICES, LLC, US
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[72] MCANINCH, ELIZABETH A., US
[71] EQUILIBRATE THERAPEUTICS, LLC, US
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[72] DORSEY, BRUCE D., US
[72] DUGAN, BENJAMIN J., US
[72] FAN, YI, US
[72] KULTGEN, STEVEN G., US
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[72] GEDANKE, SERGIO, US
[72] VENTURA, MARK E., US
[72] LINDSAY, FRANK EDWARD, US
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[72] BROWN, MICHELLE, US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
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[71] CHANGZHOU CITY CHENG XIN ENVIRONMENTAL PROTECTION TECHNOLOGY CO., LTD, CN
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TREATED PYROLYtic VAPOR
[54] SYSTEME ET PROCEDE DE
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voie CATALYTIQUE
[72] RIIHIMAKI, TEppo, FI
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[71] VALMET TECHNOLOGIES OY, FI
[71] NESTE OYJ, FI
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ANTIBODIES
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[72] NAKAMURA, AKITO, JP
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[71] RUSH MEDICAL UNIVERSITY
CENTER, US
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[72] SEIDEL-DUGAN, CYNTHIA, US
[72] HICKLIN, DANIEL, US
[72] BRODKIN, HEATHER, US
[72] SALMERON-GARCIA, JOSE
ANDRES, US
[72] STEINER, PHILIPP, US
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ENVIRONMENT
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[72] LE, CHAU, US
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ALEKSANDROVICH, RU
[72] TSUKUR, ALINA
ALEKSANDROVNA, RU
[72] LOMKOVA, EKATERINA
ALEKSANDROVNA, RU
[72] IAKOVLEV, ALEKSANDR
OLEGOVICH, RU
[72] LUTCKII, ANTON
ALEKSANDROVICH, RU
[72] LINKOVA, IULIIA NIKOLAEVNA,
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VALEREVNA, RU
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 [54] SYSTEME DE LUBRIFICATION ISOLE POUR TREPANS DE FORAGE
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 [72] SKAUGE, BRIAN STUART, US
 [72] HAKES, DAVID, US
 [72] DAHIWAL, CHETAN VILAS, IN
 [72] THORSON, TIMOTHY A., US
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 [54] METHODE DE GRADIENT RAPIDE A UN SEUL PASSAGE POUR LA PRODUCTION D'ANTICORPS
 [72] ROJAS, ALEJANDRO, CL
 [72] VALENZUELA, GUILLERMO, CL
 [72] JARA, RONALD, CL
 [72] HIMELREICH, JOHANNA, CL
 [72] SALINAS, CONSTANZA, CL
 [72] PINTO, TERESA, CL
 [72] LOPEZ, NATALIA, ES
 [72] CHEUQUEMILLA, YORKA, CL
 [72] CUEVAS, ALEXEI, CL
 [72] MIRANDA, ZARAY, CR
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 [72] OKAFOR, OBINNA, GB
 [71] JOHNSON MATTHEY HYDROGEN TECHNOLOGIES LIMITED, GB
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 [72] MUSSO, MAURO, BE
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 [54] AGENCEMENT DE TERMINAISON POUR CABLE ELECTRIQUE AERIEN COMPRENANT UNE Gaine DE CONTRAINE DE TRACTION
 [72] WEBB, WILLIAM, US
 [72] WONG, CHRISTOPHER, US
 [71] CTC GLOBAL CORPORATION, US
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 [72] RENTSCH, SAMUEL, CH
 [72] MASSAM, JARROD, US
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- [72] SCHMIED, FABIAN-PASCAL, DE
- [72] BERNHARDT, ALEXANDER, DE
- [72] ENGEL, ANDREA, US
- [72] MOERS, CHRISTIAN, DE
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- [54] KIT DE BARRIERE POUR TUBE ENDOTRACHEAL AVEC COUVERCLE D'ETANCHEITE ACCOUPLE A UN CLAMP AVEC DIVERS ETAGES POUR L'AJUSTEMENT DU DEGRE D'OCCLUSION, A UTILISER DANS DES OPERATIONS DE GESTION AVANCEE DES VOIES AERIENNE
- [72] FERREIRA PASETTO, PEDRO, BR
- [72] FELIPE CARAMEZ BERTEGES, LUIZ, BR
- [72] MONTEIRO TAVARES PEREIRA, BRUNO, BR
- [72] TAVARES LIMA TRAJANO, EDUARDO, BR
- [72] SILVEIRA RODRIGUES JUNIOR, ADAURI, BR
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- [54] CONFIGURATION DE DONNEES ET DE PUISSANCE POUR POMPE DE PUITS SUBMERSIBLE ELECTRIQUE
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- [72] TANNER, DAVID, US
- [71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
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- [54] NOUVELLE SOUCHE DE PICALIBACTERIUM PROSNICH EB-FPDK9 ET UTILISATIONS ASSOCIEES
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- [72] SHIN, JOO HYUN, KR
- [72] LEE, DO KYUNG, KR
- [71] ENTEROBIOME INC., KR
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- [54] PROCEDE D'EQUILIBRAGE DE COURANT DE MOTEUR POUR SYSTEME ESP
- [72] ADEMOYE, TAORIDI A., US
- [72] UNDERWOOD, MICHAEL C., US
- [71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
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- [86] 2021-06-01 (PCT/US2021/070645)
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- [54] SEPARATION PAR GRAVITE DE SUSPENSIONS
- [72] PAINTER, PAUL C., US
- [72] LUPINSKY, ARON, US
- [72] KUJAWA, CHRISTIAN, US
- [71] EXTRAKT PROCESS SOLUTIONS, LLC, US
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- [86] 2021-06-03 (PCT/US2021/035569)
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- [72] AKAOGI, TAKAYUKI, JP
- [72] OHKUBO, ATSUSHI, JP
- [72] TANAKA, SAYA, JP
- [71] ASAHI KASEI KABUSHIKI KAISHA, JP
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- [54] COMBINAISON DE TYPES DE CELLULES EFFECTRICES DERIVEES DES IPSC POUR LEUR UTILISATION EN IMMUNOTHERAPIE
- [72] VALAMEHR, BAHRAM, US
- [72] GOODRIDGE, JODE, US
- [72] BJORDAHL, RYAN, US
- [71] FATE THERAPEUTICS, INC., US
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- [86] 2021-06-18 (PCT/US2021/038134)
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- [54] IMMUNO-BIOCAPTEUR ELECTROCHIMIQUE ET PROCEDE DE DETECTION DE BIOMARQUEURS PROTEIQUES CIRCULANTS
- [72] MAHSHID, SAHAR S., CA
- [72] DABDOUB, ALAIN, CA
- [71] SUNNYBROOK RESEARCH INSTITUTE, CA
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- [86] 2021-06-22 (PCT/CA2021/050859)
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- [54] SUPPLEMENTS EN BLOC D'ALIMENTATION AMELIORES POUR LA SANTE DU BETAIL ET LA REDUCTION DU METHANE
- [72] FARMER, SEAN, US
- [71] LOCUS SOLUTIONS IPCO, LLC, US
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- [86] 2021-06-29 (PCT/US2021/039634)
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- [25] EN
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- [54] COMPOSE TRIAZINE BENZOATE ET SON APPLICATION
- [72] CHEN, LIN, CN
- [72] YANG, HUIBIN, CN
- [72] MA, HONGJUAN, CN
- [72] WANG, GANG, CN
- [72] CUI, DONGLIANG, CN
- [72] LI, BIN, CN
- [71] SHENYANG SINOCHEM AGROCHEMICALS R&D CO., LTD., CN
- [71] JIANGSU YANGNONG CHEMICAL CO., LTD., CN
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[54] MASQUE PHOTOGRAPHIQUE ET SYSTEME PHOTOGRAPHIQUE COMPRENANT LEDIT MASQUE PHOTOGRAPHIQUE
[72] BEAUDRY, RICHARD, CA
[71] TECHNOLOGIES DIGITHO INC., CA
[85] 2022-12-06
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[87] (3184009)
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[54] ADJUVANTS DE VACCINS ET LEURS PROCEDES DE SYNTHESE ET D'UTILISATION
[72] PADDON, CHRISTOPHER JOHN, US
[72] FISHER, KARL JOSEPH, US
[71] AMYRIS, INC., US
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[54] DISPOSITIF DE DETECTION D'OBSTACLE ET PROCEDE DE DETECTION D'OBSTACLE
[72] ISHIZAKI, MASATAKA, JP
[71] KABUSHIKI KAISHA TOYOTA JIDOSHOKKI, JP
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[54] SUBSTITUTED 1-(3,3-DIFLUOROPIPERIDIN-4-YL)-IMIDAZO[4,5-C] QUINOLIN-2-ONE COMPOUNDS WITH BLOOD-BRAIN BARRIER PENETRABLE CAPABILITY
[54] COMPOSES SUBSTITUES DE 1-(3,3-DIFLUOROPIPERIDIN-4-YL)-IMIDAZO[4,5-C]QUINOLEIN-2-ONE PRESENTANT UNE APTITUDE A TRAVERSER LA BARRIERE HEMATO-ENCEPHALIQUE
[72] ZHONG, WEI, US
[71] ZHONG, WEI, US
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[25] FR
[54] HYBRID SEPARATING MEMBRANE FOR A BATTERY
[54] MEMBRANE SEPARATRICE HYBRIDE POUR BATTERIE
[72] LECUYER, MARGAUD, FR
[72] SZYMCZAK, JONATHAN, FR
[72] DESCHAMPS, MARC, FR
[71] BLUE SOLUTIONS, FR
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[54] RIVET DOCKING PLATFORM, OCCLUDER
[54] PLATE-FORME D'ACCUEIL DE RIVET, DISPOSITIF D'OCCCLUSION
[72] PASSMAN, JOSEPH, US
[72] SIEGEL, ALEXANDER, US
[72] RABITO, GLEN, US
[72] ROWE, STANTON J., US
[72] HOWARD, ELLIOT, US
[72] KHALIFA, ABUBAKER, US
[72] TAFT, ROBERT C., US
[71] NXT BIOMEDICAL, LLC, US
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[25] EN
[54] SYSTEMS AND METHODS FOR LOCATION-BASED ELECTRONIC FINGERPRINT DETECTION
[54] SYSTEMES ET PROCEDES POUR LA DETECTION D'EMPREINTE DIGITALE ELECTRONIQUE SUR LA BASE DE LA POSITION
[72] PETERSON, DEREK, US
[72] ELBADRY, MOHAMMED, US
[71] SOTER TECHNOLOGIES, LLC, US
[85] 2022-12-29
[86] 2021-06-30 (PCT/US2021/039819)
[87] (WO2022/006227)
[30] US (16/917,187) 2020-06-30
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- [54] RESONANT CONVERTER WITH RECONFIGURABLE RESONANT TANK CIRCUIT
- [54] CONVERTISSEUR RESONNANT AVEC CIRCUIT BOUCHON RESONANT RECONFIGURABLE
- [72] LEON LARA, LUIS MANUEL, US
- [71] ABL IP HOLDING LLC, US
- [71] LEON LARA, LUIS MANUEL, US
- [85] 2022-11-29
- [86] 2021-06-01 (PCT/US2021/035206)
- [87] (WO2021/243331)
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[21] 3,185,665
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- [25] EN
- [54] DUAL CURE CYANATE ESTER INKJET COMPOSITION
- [54] COMPOSITION DE JET D'ENCRE A ESTER DE CYANATE A DOUBLE DURCISSEMENT
- [72] ASMACHER, ANNE, DE
- [72] MULHAUPT, ROLF, DE
- [72] PETROV, FILIPP, DE
- [72] OMEIS, JURGEN, DE
- [72] WALTER, FRANK, DE
- [72] ROTTGER, MAX, DE
- [71] ALTANA NEW TECHNOLOGIES GMBH, DE
- [85] 2022-12-13
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- [87] (3185665)
- [30] EP (21178542.3) 2021-06-09

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- [25] EN
- [54] DUAL CURE EPOXY INKJET COMPOSITION
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- [72] ASMACHER, ANNE, DE
- [72] SEUYEP, DENIS HERVE, DE
- [72] MARRECK, LINA-SOPHIE, DE
- [72] ROTTGER, MAX, DE
- [71] ALTANA NEW TECHNOLOGIES GMBH, DE
- [85] 2022-12-12
- [86] 2022-05-10 (PCT/EP2022/062678)
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- [25] EN
- [54] A DYNAMIC MIXING AND DELIVERY SYSTEM FOR MIXING A THERAPEUTIC AGENT IN AN INJECTOR OR AUTOINJECTOR
- [54] SYSTEME DE MELANGE ET DE DISTRIBUTION DYNAMIQUE POUR MELANGER UN AGENT THERAPEUTIQUE DANS UN INJECTEUR OU UN AUTO-INJECTEUR
- [72] CHAGNON, JEFFREY THOMAS, US
- [72] STANDLEY, ADAM R., US
- [72] DUSTERHOFT, ZACHERY JOHN, US
- [72] BUCHINE, BRENT A., US
- [71] WINDGAP MEDICAL, INC., US
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- [86] 2021-06-01 (PCT/US2021/035318)
- [87] (WO2021/243341)
- [30] US (63/032,311) 2020-05-29

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- [25] EN
- [54] MYOPIA-CONTROL CONTACT LENSES AND METHODS RELATING THERETO
- [54] LENTILLES DE CONTACT POUR LA CORRECTION DE LA MYOPIE ET PROCEDES S'Y RAPPORTE
- [72] CHAMBERLAIN, PAUL, US
- [72] ARUMUGAM, BASKAR, US
- [72] WEBBER, MARTIN, GB
- [72] BRADLEY, ARTHUR, US
- [71] COOPERVISION INTERNATIONAL LIMITED, GB
- [85] 2023-01-17
- [86] 2021-12-16 (PCT/GB2021/053337)
- [87] (WO2022/129927)
- [30] US (63/127,242) 2020-12-18

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- [25] EN
- [54] SUPERVISORY MACHINE INTELLIGENCE CONTROLS FOR PRODUCTION OF MEAT SUBSTITUTES
- [54] COMMANDES D'INTELLIGENCE DE MACHINE DE SUPERVISION POUR LA PRODUCTION DE SUCCEDANES DE VIANDE
- [72] HO, CHAU-HON, DE
- [72] SPUDIC, VEDRANA, CH
- [72] LISTMANN, KIM, DE
- [72] SCHOENBORN, SANDRO, CH
- [72] BORRELLI, ELSI-MARI, FI
- [72] SOMMER, PHILIPP, CH
- [72] MERCANGOEZ, MEHMET, CH
- [72] RUHS, PATRICK, CH
- [72] STIRNEMANN, ERIC, CH
- [72] WINDHAB, ERICH J., CH
- [72] BONI, LUKAS, CH
- [71] ABB SCHWEIZ AG, CH
- [71] ETH ZURICH, CH
- [71] PLANTED FOODS AG, CH
- [85] 2023-01-17
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- [87] (WO2022/012879)
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 - [54] OSCILLATING TRACK SYSTEM
 - [54] SYSTEME DE PISTE OSCILLANT
 - [72] OURADA, TIM, US
 - [71] TELETRAX EQUIPMENT, LLC, US
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 - [86] 2021-01-26 (PCT/US2021/015086)
 - [87] (WO2021/247090)
 - [30] US (16/893,337) 2020-06-04
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[13] A1

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 - [54] BLOC DE MACONNERIE
 - [72] STELL, JASON, US
 - [71] SHORELOC DESIGN GROUP, INC., US
 - [85] 2023-01-17
 - [86] 2021-08-25 (PCT/US2021/047439)
 - [87] (WO2022/076096)
 - [30] US (17/066,656) 2020-10-09
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[13] A1

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 - [25] EN
 - [54] CONTACT LENS PACKAGE KIT WITH RECYCLING FASTENER
 - [54] KIT D'EMBALLAGES DE LENTILLE DE CONTACT AYANT UN ELEMENT DE FIXATION POUR RECYCLAGE
 - [72] ZUCARO, CATALDO, US
 - [72] WHITENACK, BRITTANY, US
 - [71] COOPERVISION INTERNATIONAL LIMITED, GB
 - [85] 2023-01-18
 - [86] 2021-12-09 (PCT/GB2021/053220)
 - [87] (WO2022/123250)
 - [30] US (63/124,106) 2020-12-11
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 - [25] EN
 - [54] COMPOUNDS COMPRISING A THREE RING CORE AS PD-1/PD-L1 BLOCKERS
 - [54] COMPOSES COMPRENANT UN NOYAU A TROIS CYCLES EN TANT QUE BLOQUEURS DE PD-1/PD-L1
 - [72] TRAINOR, GEORGE L., US
 - [72] MOLINOFF, PERRY, US
 - [72] NEFZI, ADEL, US
 - [72] GIULIANOTTI, MARCELLO, US
 - [72] HOUGHTEN, RICHARD, US
 - [71] RELIVE THERAPEUTICS INC., CA
 - [85] 2022-12-08
 - [86] 2021-06-02 (PCT/CA2021/050747)
 - [87] (WO2021/248231)
 - [30] US (63/036,647) 2020-06-09
 - [30] US (63/160,113) 2021-03-12
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 - [25] EN
 - [54] MACHINE LEARNING AND STATISTICAL ANALYSIS FOR CATALYST STRUCTURE PREDICTION AND DESIGN
 - [54] APPRENTISSAGE AUTOMATIQUE ET ANALYSE STATISTIQUE POUR PREDICTION ET CONCEPTION DE STRUCTURE DE CATALYSEUR
 - [72] BISCHOF, STEVEN M., US
 - [72] KILGORE, URIAH J., US
 - [72] SYDORA, ORSON L., US
 - [72] ESS, DANIEL H., US
 - [72] KWON, DOO-HYUN, US
 - [72] ROLLINS, NICHOLAS K., US
 - [71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
 - [85] 2022-12-08
 - [86] 2021-06-09 (PCT/US2021/036610)
 - [87] (WO2021/252624)
 - [30] US (63/037,405) 2020-06-10
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[13] A1

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 - [25] EN
 - [54] ORTHODONTIC APPLIANCE WITH NON-SLIDING ARCHFORM
 - [54] APPAREIL ORTHODONTIQUE A FORME D'ARC NON COUSSIANT
 - [72] ODA, TODD, US
 - [72] CHUNG, ALSTON, US
 - [72] RODRIGUEZ, ANDRES, US
 - [72] FARZIN-NIA, FARROKH, US
 - [71] SWIFT HEALTH SYSTEMS INC., US
 - [85] 2022-12-08
 - [86] 2021-06-09 (PCT/US2021/036675)
 - [87] (WO2021/252675)
 - [30] US (63/037,974) 2020-06-11
 - [30] US (63/148,263) 2021-02-11
 - [30] US (63/160,222) 2021-03-12
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[13] A1

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- [25] EN
- [54] CONTAINER GARDENING STRUCTURES AND MANAGEMENT THEREOF
- [54] STRUCTURES DE JARDINAGE EN RECIPIENT ET GESTION DE CELLES-CI
- [72] COX, CHARLES, US
- [71] SYNCHROSYSTEMS, INC., US
- [85] 2022-12-08
- [86] 2021-06-16 (PCT/US2021/037701)
- [87] (WO2021/257746)
- [30] US (63/040,179) 2020-06-17

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[13] A1

- [51] Int.Cl. A61B 17/04 (2006.01)
- [25] EN
- [54] **DISPOSABLE ARTHROSCOPIC SUTURE CUTTING DEVICE**
- [54] **DISPOSITIF DE COUPE DE SUTURE ARTHROSCOPIQUE JETABLE**
- [72] MILLER, PETER, US
- [72] MUSER, ANDREW, US
- [71] CONMED CORPORATION, US
- [85] 2022-12-08
- [86] 2021-06-09 (PCT/US2021/036582)
- [87] (WO2021/252608)
- [30] US (63/036,673) 2020-06-09

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- [54] **COMPOSITIONS DE PRETRAITEMENT LIEES A DES SUBSTRATS METALLIQUES ET LEURS PROCEDES DE FABRICATION**
- [72] BLEICH, JULIAN NICOLAS, CH
- [72] BERNER, MICHELE EDITH, US
- [72] GUERIN, MATHILDE, US
- [72] FRAUENRATH, HOLGER, CH
- [72] YEO, REUBEN, CH
- [72] BOMAL, ENZO, CH
- [72] MOCNY, PIOTR, CH
- [71] NOVELIS INC., US
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- [87] (WO2021/252567)
- [30] US (62/705,094) 2020-06-10

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- [54] **ANTI-TGF.BETA. ANTIBODIES AND THERAPEUTIC USES THEREOF**
- [54] **ANTICORPS ANTI-TGF.BETA. ET LEURS UTILISATIONS THERAPEUTIQUES**
- [72] BERGERON, LISA MARIE, US
- [72] BAMMERT, GARY F., US
- [72] CAMPOS, HENRY LUIS, US
- [72] LIGHTLE, SANDRA ANN MARIE, US
- [72] STRIETZEL, CATHERINE J., US
- [71] ZOETIS SERVICES LLC, US
- [85] 2022-12-08
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- [25] EN
- [54] **A DOWNHOLE POWER GENERATING APPARATUS**
- [54] **APPAREIL GENERATEUR D'ENERGIE DE FOND DE PUITS**
- [72] INGLIS, PETER DEREK WALTER, GB
- [71] HALLIBURTON ENERGY SERVICES, INC., US
- [85] 2022-12-08
- [86] 2020-08-28 (PCT/US2020/048501)
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- [25] EN
- [54] **TWO-STAGE HERMETIC SEAL AND PROCESS OF MAKING SAME**
- [54] **JOINT D'ETANCHEITE HERMETIQUE A DEUX ETAGES ET PROCEDE DE FABRICATION DE CELUI-CI**
- [72] PETIT, PETER, US
- [71] V-GLASS, INC., US
- [85] 2022-12-08
- [86] 2020-09-08 (PCT/US2020/049700)
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- [30] US (63/038,102) 2020-06-11

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- [54] **ELECTROPHILIC COMPOUNDS AND ELECTROPHILIC PRODRUGS FOR TREATING ANEURYSM**
- [54] **COMPOSES ELECTROPHILES ET PROMEDICAMENTS ELECTROPHILES POUR LE TRAITEMENT D'UN ANEVRISME**
- [72] SCHOPFER, FRANCISCO J., US
- [72] FREEMAN, BRUCE A., US
- [72] ZHAO, YANG, US
- [72] CHEN, YUQING E., US
- [72] ZHANG, JIFENG, US
- [71] UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US
- [71] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US
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[25] EN
[54] SYSTEM, METHOD, AND HEAD-MOUNTED DEVICE FOR VISUAL FIELD TESTING
[54] SYSTEME, PROCEDE ET DISPOSITIF MONTE SUR LA TETE POUR TEST DE CHAMP VISUEL
[72] EADIE, BRENNAN, CA
[72] EADIE, FRANK, CA
[72] KENT, HASKELL, CA
[72] VISCONTI, ANTHONY, CA
[71] EADIE TECHNOLOGIES INC., CA
[85] 2022-12-08
[86] 2021-06-11 (PCT/CA2021/050798)
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[30] US (63/038,084) 2020-06-11

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[25] EN
[54] PASSENGER TRANSPORT SYSTEM WITH DISINFECTION DEVICE AND METHOD FOR OPERATING SAME
[54] SYSTEME DE TRANSPORT DE PERSONNES EQUIPE D'UN DISPOSITIF DE DESINFECTION ET PROCEDE DE FONCTIONNEMENT CORRESPONDANT
[72] HABERLE, ULRICH, AT
[72] KLEEWEIN, GERHARD, AT
[72] WAGENLEITNER, GEORG, AT
[71] INVENTIO AG, CH
[85] 2022-12-08
[86] 2021-06-17 (PCT/EP2021/066516)
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[30] EP (20186511.0) 2020-07-17

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[25] EN
[54] HANDRAIL-TREATMENT DEVICE FOR PASSENGER-CONVEYING INSTALLATIONS
[54] DISPOSITIF DE TRAITEMENT DE MAIN COURANTE POUR INSTALLATIONS DE TRANSPORT DE PERSONNES
[72] BAUER, WOLFGANG, AT
[72] HAIDER, MICHAEL, AT
[72] NESZMERAK, WOLFGANG, AT
[71] INVENTIO AG, CH
[85] 2022-12-08
[86] 2021-06-17 (PCT/EP2021/066518)
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[30] EP (20186516.9) 2020-07-17

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[25] EN
[54] COMPOSITION AND METHOD FOR TREATING CHRONIC PAIN
[54] COMPOSITION ET PROCEDE DE TRAITEMENT DE LA DOULEUR CHRONIQUE
[72] HOPKINS, RICHARD, AU
[72] THOMAS, MEGHAN GAIL, AU
[72] ODUMOSU, OLUDARE, AU
[71] ZELIRA THERAPEUTICS OPERATIONS PTY LTD, AU
[85] 2022-12-09
[86] 2021-06-11 (PCT/AU2021/050602)
[87] (WO2021/248207)
[30] AU (2020901947) 2020-06-12

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[25] EN
[54] SULPHUR CATHODES, SULPHUR CATHODE MATERIALS, AND APPARATUS AND METHODS FOR MAKING SAME
[54] CATHODES A BASE DE SOUFRE, MATERIAUX DE CATHODE A BASE DE SOUFRE, ET APPAREIL ET PROCEDES PERMETTANT LEUR FABRICATION
[72] TAK, JIN KWON, CA
[72] JENSON, EARL, CA
[71] SUPERCAP TECHNOLOGIES CORP., CA
[85] 2022-12-09
[86] 2021-06-10 (PCT/CA2021/050792)
[87] (WO2021/248245)
[30] US (63/038,640) 2020-06-12

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[25] EN
[54] ANIMAL SHED SYSTEM WITH AN AIR TRAP AND A SCRUBBER
[54] SYSTEME DE HANGAR POUR ANIMAUX DOTE D'UN PIEGE A AIR ET D'UN EPURATEUR
[72] FEITSMA, PETER, NL
[72] STOEL, FOKKE, NL
[72] VAN DEN BERG, KAREL, NL
[72] REGELINK, FRANK GERARD, NL
[71] LELY PATENT N.V., NL
[85] 2022-12-08
[86] 2021-06-25 (PCT/EP2021/067458)
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 - [25] EN
 - [54] USE OF PHYTOCANNABINOIDS FOR TREATING MULTIPLE MYELOMA
 - [54] UTILISATION DE PHYTOCANNABINOÏDES POUR TRAITER LE MYELOME MULTIPLE
 - [72] NABISSI, MASSIMO, IT
 - [72] MARINELLI, OLIVIERO, IT
 - [72] AGUZZI, CRISTINA, IT
 - [72] ZEPPA, LAURA, IT
 - [72] HOSSAIN, SAZZAD, CA
 - [71] ENTOURAGE BIOSCIENCES INC., CA
 - [85] 2022-12-09
 - [86] 2021-06-11 (PCT/CA2021/050801)
 - [87] (WO2021/248251)
 - [30] US (63/038,532) 2020-06-12
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- [25] EN
- [54] ENHANCED OLIGONUCLEOTIDES FOR MODULATING FUBP1 EXPRESSION
- [54] OLIGONUCLEOTIDES AMELIORES POUR MODULER L'EXPRESSION DE FUBP1
- [72] SEWING, SABINE, CH
- [72] OTTOSEN, SOREN, DK
- [72] RAVN, JACOB, DK
- [72] PEDERSEN, LYKKE, DK
- [72] LUANGSAY, SOUPHALONE, CH
- [72] KOLLER, ERICH, CH
- [72] WALTHER, JOHANNA MARIE, CH
- [72] GYLLING, HELENE MARIA, DK
- [72] HRUSCHKA, NATASCHA, CH
- [72] MOHR, SUSANNE, CH
- [72] D'ARIENZO, VALENTINA, CH
- [71] F. HOFFMANN-LA ROCHE AG, CH
- [85] 2022-12-08
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- [87] (WO2021/260197)
- [30] EP (20182437.2) 2020-06-26

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 - [25] EN
 - [54] STRUCTURAL CONSTRUCTION SYSTEM EMPLOYING ARCHITECTURAL MODELING
 - [54] SYSTEME DE CONSTRUCTION STRUCTURALE FAISANT APPEL A LA MODELISATION ARCHITECTURALE
 - [72] GLENN, STEVE, US
 - [72] TECH, JOSH, US
 - [72] BLAKEY, JAMES, US
 - [72] DESHMUKH, KRANTI, US
 - [72] MCELROY, JOHN, US
 - [72] SIMS, AMY, US
 - [72] SHOUFANY, MONDER, US
 - [72] KRAINER, ANDI, US
 - [72] FIOREY, KEITH, US
 - [72] BHATTACHARYA, DEEP, US
 - [71] PLANT PREFAB, INC., US
 - [85] 2022-12-09
 - [86] 2021-05-17 (PCT/US2021/032795)
 - [87] (WO2021/252148)
 - [30] US (16/896,920) 2020-06-09
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- [25] EN
- [54] PAPER ENHANCING COMPOSITIONS, USES THEREOF AND ENHANCED PAPER
- [54] COMPOSITIONS D'AMELIORATION DU PAPIER, UTILISATIONS ASSOCIEES ET PAPIER AMELIORE
- [72] CREASEY, DAVID H., US
- [72] MCCALL, IV, SAMUEL HORACE, US
- [71] ITI TECHNOLOGIES, INC., US
- [85] 2022-12-09
- [86] 2021-06-02 (PCT/US2021/035373)
- [87] (WO2021/252234)
- [30] US (16/896,328) 2020-06-09

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 - [25] EN
 - [54] TRIPWIRE-BASED GEOLOCATION SYSTEM
 - [54] SYSTEME DE GEOLOCALISATION BASE SUR DES FILS-PIEGES
 - [72] MURDOCH, JOHN, US
 - [72] BINGHAM, JASPER, US
 - [72] CHIEN, ALLEN, US
 - [72] TRUNDLE, STEPHEN SCOTT, US
 - [71] ALARM.COM INCORPORATED, US
 - [85] 2022-12-09
 - [86] 2021-06-04 (PCT/US2021/035868)
 - [87] (WO2021/252279)
 - [30] US (63/037,053) 2020-06-10
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 - [25] EN
 - [54] DEVICE AND METHOD FOR THE PYROLYSIS OF ORGANIC STARTING MATERIALS
 - [54] DISPOSITIF ET PROCEDE DE PYROLYSE DE PRODUITS DE DEPART ORGANIQUES
 - [72] PELZ, ECKARD, DE
 - [72] LOFFLER, MARTIN, DE
 - [71] KLEAN INDUSTRIES, CA
 - [85] 2022-12-09
 - [86] 2021-06-09 (PCT/EP2021/065485)
 - [87] (WO2021/250103)
 - [30] DE (10 2020 115 348.1) 2020-06-09
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- [54] ANTICORPS BTLA
- [72] DAVIS, SIMON JOHN, GB
- [72] CORNALL, RICHARD JOHN, GB
- [72] PALUCH, CHRISTOPHER DOUGLAS, GB
- [71] OXFORD UNIVERSITY INNOVATION LIMITED, GB
- [71] MIROBIO LIMITED, GB
- [85] 2022-12-09
- [86] 2021-06-11 (PCT/GB2021/051452)
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[54] ARN ARTIFICIELS POUR LA MODULATION DE FRAGMENTS D'ARN
[72] DIEZ ANTON, JUANA MARIA, ES
[72] DOTU RODRIGUEZ, IVAN JAVIER, ES
[72] TALLO PARRA, MARC, ES
[71] UNIVERSITAT POMPEU FABRA, ES
[85] 2022-12-08
[86] 2021-06-28 (PCT/EP2021/067756)
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[25] EN
[54] SELF-TIGHTENING CABLE CLAMP
[54] COLLIER DE CABLE AUTOSERRANT
[72] SQUIRE, JACOB, GB
[71] LATCHWAYS PLC, GB
[85] 2022-12-08
[86] 2021-05-13 (PCT/GB2021/051150)
[87] (WO2021/250370)
[30] GB (2008930.6) 2020-06-12

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[25] EN
[54] METHOD, PRODUCT AND APPARATUS FOR TREATING MASTER CELL GROUP, MCG, FAILURE AND RADIO LINK FAILURE, RLF, REPORTING
[54] PROCEDE, PRODUIT ET APPAREIL POUR TRAITER UNE DEFAILLANCE DE GROUPE DE CELLULES MAITRESSES (MCG) ET UN RAPPORT DE DEFAILLANCE DE LIAISON RADIO (RLF)
[72] TEYEB, OUMER, CA
[72] RAMACHANDRA, PRADEEPA, SE
[72] ORSINO, ANTONINO, FI
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2022-12-09
[86] 2021-06-08 (PCT/EP2021/065223)
[87] (WO2021/249973)
[30] US (63/037,280) 2020-06-10

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[25] EN
[54] LASER ABLATION/REMOVAL AND LASER INDUCED FORWARD TRANSFER OF BIOLOGICAL MATERIAL
[54] ABLATION/ENLEVEMENT AU LASER ET TRANSFERT DIRECT INDUIT PAR LASER D'UN MATERIAU BIOLOGIQUE
[72] ZERGIOTI, IOANNA, GR
[72] KLINAKIS, APOSTOLOS, GR
[71] PHOSPRINT PRIVATE COMPANY, GR
[85] 2022-12-08
[86] 2021-08-04 (PCT/GR2021/000052)
[87] (WO2022/029456)
[30] US (63/062,176) 2020-08-06
[30] US (17/387,801) 2021-07-28

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[25] EN
[54] DOSING OF POLYOMAVIRUS NEUTRALIZING ANTIBODIES
[54] DOSAGE D'ANTICORPS NEUTRALISANTS CONTRE LE POLYOMAVIRUS
[72] ABEND, JOHANNA R., US
[72] KNAPP, MARK, US
[72] KOVACS, STEVEN J., US
[72] PATICK, AMY K., US
[72] TRAGGIAI, ELISABETTA, CH
[71] VERA THERAPEUTICS, INC., US
[71] NOVARTIS AG, CH
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[86] 2021-06-11 (PCT/US2021/036923)
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[25] EN
[54] DEVICE WITH HEALTH MONITORING
[54] DISPOSITIF A SURVEILLANCE DE SANTE
[72] SMITH, ROBERT F., US
[72] WILLS, CHARLES J., US
[72] BREESE, DUNCAN C., US
[72] GELHARD, JAKE, CA
[72] KLEMENT, KATHRYN, CA
[72] BURKS, STEPHEN, CA
[71] HVGRID-TECH INC., CA
[85] 2022-12-08
[86] 2021-06-04 (PCT/IB2021/000392)
[87] (WO2021/250465)
[30] US (62/705,146) 2020-06-12
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- [25] EN
- [54] NAPPED COATED WOUND DRESSING
- [54] PANSEMENT REVETU LAINE
- [72] VERUVA, SAI, US
- [72] ZHOU, JIANGUO JACK, US
- [72] VLIET, JR., JOSEPH R., US
- [72] LLANOS, GERARD, US
- [71] ETHICON, INC., US
- [85] 2022-12-08
- [86] 2021-06-07 (PCT/IB2021/054986)
- [87] (WO2021/250547)
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- [25] EN
- [54] METHOD TO PREPARE A MIXTURE AND FOOD PRODUCTS DERIVING THEREFROM
- [54] PROCEDE DE PREPARATION D'UN MELANGE ET PRODUITS ALIMENTAIRES DERIVES
- [72] CERNE, VIRNA LUCIA, IT
- [72] POLENGHI, OMBRETTA, IT
- [71] DR. SCHAR S.P.A., IT
- [85] 2022-12-08
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- [87] (WO2021/250712)
- [30] IT (10202000013675) 2020-06-09

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- [25] EN
- [54] HIGH-PURITY 4-HYDROXYSTYRENE SOLUTION, METHOD OF PRODUCING THE SAME, AND METHOD OF PRODUCING 4-HYDROXYSTYRENE-BASED POLYMER
- [54] SOLUTION DE 4-HYDROXYSTYRENE DE HAUTE PURETE, SON PROCEDE DE PRODUCTION ET PROCEDE DE PRODUCTION D'UN POLYMER A BASE DE 4-HYDROXYSTYRENE

- [72] HAKODA, YUMA, JP
- [72] FUJISAWA, RYO, JP
- [72] HABA, KAZUHIKO, JP
- [72] TABATA, DAISUKE, JP
- [72] FURUYA, YOSHIIKU, JP
- [72] SATO, RYO, JP
- [72] OIKAWA, TOMO, JP
- [71] MARUZEN PETROCHEMICAL CO., LTD., JP
- [85] 2022-12-08
- [86] 2021-06-18 (PCT/JP2021/023141)
- [87] (WO2021/256551)
- [30] JP (2020-105613) 2020-06-18
- [30] JP (2021-060761) 2021-03-31

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- [25] EN
- [54] MODULAR FOOTBED ASSEMBLIES AND METHOD OF MANUFACTURING SAME
- [54] ENSEMBLE DE LITS DE PIED MODULAIRES ET PROCEDE DE FABRICATION DE CELUI-CI
- [72] DIHARCE, GREGORY, US
- [72] HEALY, JOHN, US
- [71] MATMARKET, LLC, US
- [85] 2022-12-08
- [86] 2021-06-01 (PCT/US2021/035312)
- [87] (WO2021/257274)

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- [25] EN
- [54] DEVICE FOR CHECKING THE POSITION OF AN ACTUATOR
- [54] DISPOSITIF DE VERIFICATION DE LA POSITION D'UN ACTIONNEUR
- [72] TONDOLO, FLAVIO, IT
- [72] COFFETTI, MIRKO, IT
- [72] VALOTI, ROBERTO, IT
- [72] ZENONI, NICOLA, IT
- [71] STI S.R.L., IT
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[72] LEGUIZAMON CABRA, DIANA, FR
[72] MAKSOUD, LOUIS, FR
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[71] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
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- [72] NISSINEN, VILHO, FI
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- [72] TANAKA, SHIHO, US
- [72] NIAZI, KAYVAN, US
- [72] HERMRECK, MELANIE, US
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[54] COMPOSITION GLUCIDIQUE DERIVEE DE BOIS DE FEUILLUS
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[72] TURUNEN, SAMI, FI
[72] LAITILA, MIKA, FI
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[54] A METHOD FOR PRODUCING A CARBON-SILICON COMPOSITE MATERIAL POWDER, AND A CARBON-SILICON COMPOSITE MATERIAL POWDER
[54] PROCEDE DE PRODUCTION D'UNE POUDRE DE MATERIAU COMPOSITE CARBONE-SILICIUM ET POUDRE DE MATERIAU COMPOSITE CARBONE-SILICIUM
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[72] MASSON, DAVID, SE
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- [54] BAGUE D'EPAULEMENT A HAUTES PERFORMANCES POUR tuyau et autres elements tubulaires dans l'industrie petroliere et gaziere
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- [72] RAMOS, SIDNEY C., US
- [72] TEODORIU, CATALIN, US
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<p style="text-align: right;">[21] 3,186,861</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C02F 1/42 (2006.01) C02F 1/46 (2006.01) C02F 1/461 (2006.01)</p> <p>[25] EN</p> <p>[54] IMPROVED APPARATUS AND METHOD FOR MEDIATION OF PFAS CONTAMINATION IN AN ENVIRONMENT</p> <p>[54] APPAREIL ET PROCEDE AMELIORES POUR REGULATION DE LA CONTAMINATION PAR SUBSTANCES PERFLUOROALKYLEES DANS UN ENVIRONNEMENT</p> <p>[72] MOORE, RANDALL, US</p> <p>[72] JACKSON, KEVIN, US</p> <p>[71] BIOLARGO, INC., US</p> <p>[85] 2022-12-09</p> <p>[86] 2021-09-14 (PCT/US2021/050305)</p> <p>[87] (WO2022/098432)</p> <p>[30] US (17/087,728) 2020-11-03</p> <p>[30] US (17/237,040) 2021-04-21</p>

<p style="text-align: right;">[21] 3,186,863</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61B 34/00 (2016.01) A61B 34/20 (2016.01) A61B 34/30 (2016.01) A61B 90/10 (2016.01) A61B 90/50 (2016.01) B25J 9/04 (2006.01)</p> <p>[25] EN</p> <p>[54] SURGICAL ROBOT POSITIONING SYSTEM AND RELATED DEVICES AND METHODS</p> <p>[54] SYSTEME DE POSITIONNEMENT DE ROBOT CHIRURGICAL, DISPOSITIFS ET PROCEDES ASSOCIES</p> <p>[72] FARRITOR, SHANE, US</p> <p>[72] WOOD, NATHAN, US</p> <p>[72] WAGNER, RACHAEL, US</p> <p>[72] DURHAM, PARKER, US</p> <p>[72] CUBRICH, LOU, US</p> <p>[72] CARLSON, JAY, US</p> <p>[72] REICHENBACH, MARK, US</p> <p>[72] CICERCHIA, CICERCHIA, US</p> <p>[72] HORN, CARSTEN, US</p> <p>[71] VIRTUAL INCISION CORPORATION, US</p> <p>[85] 2022-12-09</p> <p>[86] 2021-07-06 (PCT/US2021/040498)</p> <p>[87] (WO2022/010887)</p> <p>[30] US (63/048,620) 2020-07-06</p>

<p style="text-align: right;">[21] 3,186,860</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. F16G 13/16 (2006.01) F16L 3/015 (2006.01) H02G 3/04 (2006.01) H02G 11/00 (2006.01)</p> <p>[25] EN</p> <p>[54] LINE GUIDING SYSTEM WITH SIMPLIFIED GUIDING DEVICE FOR TRANSVERSE STABILIZING AND ADD-ON MODULE THEREFOR</p> <p>[54] SYSTEME DE GUIDAGE DE CONDUITE DOTE D'UN DISPOSITIF DE GUIDAGE SIMPLIFIE POUR STABILISATION TRANSVERSALE, ET SON MODULE COMPLEMENTAIRE</p> <p>[72] HERMEY, ANDREAS, DE</p> <p>[72] DOMMNIK, JORG, DE</p> <p>[71] IGUS GMBH, DE</p> <p>[85] 2022-07-25</p> <p>[86] 2021-01-28 (PCT/EP2021/052045)</p> <p>[87] (WO2021/156141)</p> <p>[30] DE (20 2020 100 606.1) 2020-02-04</p>

<p style="text-align: right;">[21] 3,186,862</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C12N 15/82 (2006.01)</p> <p>[25] EN</p> <p>[54] MULTIPLE DISEASE RESISTANCE GENES AND GENOMIC STACKS THEREOF</p> <p>[54] GENES DE RESISTANCE A DE MULTIPLES MALADIES ET EMPILEMENTS GENOMIQUES CORRESPONDANTS</p> <p>[72] FRANK, MARY J., US</p> <p>[72] GAO, HUIRONG, US</p> <p>[72] HABBEN, JEFFREY, US</p> <p>[72] HUMBERT, SABRINA, US</p> <p>[72] KRISHNAMURTHY, NANDINI, US</p> <p>[72] LASSNER, MICHAEL, US</p> <p>[72] LI, BAILIN, US</p> <p>[72] MEELEY, ROBERT B., US</p> <p>[72] PERUGINI, LEANDRO DANIEL, US</p> <p>[72] TABOR, GIRMA M., US</p> <p>[72] WOLTERS, PETRA J., US</p> <p>[71] PIONEER HI-BRED INTERNATIONAL, INC., US</p> <p>[85] 2022-12-09</p> <p>[86] 2021-08-17 (PCT/US2021/046227)</p> <p>[87] (WO2022/040134)</p> <p>[30] US (63/067,090) 2020-08-18</p> <p>[30] US (63/154,960) 2021-03-01</p>
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<p style="text-align: right;">[21] 3,186,864</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. F03B 13/26 (2006.01) F03B 17/06 (2006.01)</p> <p>[25] EN</p> <p>[54] TURBINE WITH DYNAMIC BLADES</p> <p>[54] TURBINE A AUBES DYNAMIQUES</p> <p>[72] BATEHAM, LAIRD, CA</p> <p>[71] YOURBROOK ENERGY SYSTEMS LTD., CA</p> <p>[85] 2022-12-09</p> <p>[86] 2021-06-18 (PCT/US2021/038144)</p> <p>[87] (WO2022/010633)</p> <p>[30] US (63/048,281) 2020-07-06</p>

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 - [25] EN
 - [54] SIGNALING ARRANGEMENTS EMPLOYING MOLDED THERMOPLASTICS
 - [54] AGENCEMENTS DE SIGNALISATION UTILISANT DES THERMOPLASTIQUES MOULES
 - [72] FILLER, TOMAS, US
 - [72] HOLUB, VOJTECH, US
 - [72] BRUNK, HUGH L., US
 - [72] SHARMA, RAVI K., US
 - [71] DIGIMARC CORPORATION, US
 - [85] 2022-12-09
 - [86] 2021-06-14 (PCT/US2021/037276)
 - [87] (WO2021/253011)
 - [30] US (63/038,735) 2020-06-12
 - [30] US (63/040,487) 2020-06-17
 - [30] US (63/076,917) 2020-09-10
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[13] A1

- [51] Int.Cl. H02N 2/18 (2006.01)
- [25] EN
- [54] SMART DENTAL IMPLANT SYSTEM FOR AMBULATORY DENTAL CARE
- [54] SYSTEME D'IMPLANT DENTAIRE INTELLIGENT POUR SOINS DENTAIRES AMBULATOIRES
- [72] KIM, ALBERT, US
- [72] HWANG, GEELSU, US
- [72] KIM, HYE-EUN, US
- [72] KOROSTOFF, JONATHAN, US
- [71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
- [71] TEMPLE UNIVERSITY, US
- [85] 2022-12-09
- [86] 2021-06-14 (PCT/US2021/037223)
- [87] (WO2021/252999)
- [30] US (63/038,494) 2020-06-12

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[13] A1

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 - [25] EN
 - [54] BACULOVIRUS EXPRESSION SYSTEMS
 - [54] SYSTEMES D'EXPRESSION DE BACULOVIRUS
 - [72] DELAGRAVE, SIMON, US
 - [72] PITTS, JARED DAVID, US
 - [71] FLAGSHIP PIONEERING INNOVATIONS V, INC., US
 - [85] 2022-12-09
 - [86] 2021-06-11 (PCT/US2021/037076)
 - [87] (WO2021/252943)
 - [30] US (63/038,603) 2020-06-12
 - [30] US (63/147,056) 2021-02-08
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 - [25] EN
 - [54] ACTIVITY LEVEL MEASUREMENT USING DEEP LEARNING AND MACHINE LEARNING
 - [54] MESURE DE NIVEAU D'ACTIVITE UTILISANT L'APPRENTISSAGE PROFOND ET L'APPRENTISSAGE AUTOMATIQUE
 - [72] RASAMSETTI, TEJA, US
 - [72] RUSSELL, DENNIS, US
 - [72] KIERZKOWSKI, KAROLINA, US
 - [72] LIU, HUANOU, US
 - [72] EARICKSON, DAVID, US
 - [72] KRAMSKAIA, ALLA, US
 - [71] THE DUN & BRADSTREET CORPORATION, US
 - [85] 2022-12-09
 - [86] 2021-06-10 (PCT/US2021/036890)
 - [87] (WO2021/252815)
 - [30] US (63/038,402) 2020-06-12
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[13] A1

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 - [25] EN
 - [54] HARDNESS PREDICTION METHOD OF HEAT HARDENED RAIL, THERMAL TREATMENT METHOD, HARDNESS PREDICTION DEVICE, THERMAL TREATMENT DEVICE, MANUFACTURING METHOD, MANUFACTURING FACILITIES, AND GENERATING METHOD OF HARDNESS PREDICTION MODEL
 - [54] PROCEDE DE PREDICTION DE DURETE DE RAIL TRAITE THERMIQUEMENT, PROCEDE DE TRAITEMENT THERMIQUE, DISPOSITIF DE PREDICTION DE DURETE, DISPOSITIF DE TRAITEMENT THERMIQUE, PROCEDE DE FABRICATION, INSTALLATIONS DE FABRICATION ET PROCEDE DE GENERATION DE MODELE DE PREDICTION DE DURETE
 - [72] OSUKA, KENICHI, JP
 - [72] FUKUDA, HIROYUKI, JP
 - [72] UEOKA, SATOSHI, JP
 - [71] JFE STEEL CORPORATION, JP
 - [85] 2022-12-09
 - [86] 2021-03-08 (PCT/JP2021/009060)
 - [87] (WO2021/250957)
 - [30] JP (2020-100895) 2020-06-10
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[13] A1

- [51] Int.Cl. A61L 2/18 (2006.01) C02F 1/50 (2006.01) C02F 1/76 (2006.01) C02F 1/78 (2006.01) E03C 1/126 (2006.01)
- [25] EN
- [54] INFECTIOUS DRAINAGE TREATMENT SYSTEM
- [54] SYSTEME DE TRAITEMENT DE DRAINAGE INFECTIEUX
- [72] UEDA, TAKAO, JP
- [72] SAKAI, YOZO, JP
- [71] MES CO., LTD., JP
- [85] 2022-12-09
- [86] 2021-06-09 (PCT/JP2021/022007)
- [87] (WO2021/251444)
- [30] JP (2020-100441) 2020-06-09

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<p>[21] 3,186,880 [13] A1</p> <p>[51] Int.Cl. A61K 31/4545 (2006.01) A61P 7/00 (2006.01) A61P 17/00 (2006.01) A61P 43/00 (2006.01) C07D 401/14 (2006.01)</p> <p>[25] EN</p> <p>[54] PROPHYLACTIC OR THERAPEUTIC AGENT FOR PORPHYRIA</p> <p>[54] AGENT PROPHYLACTIQUE OU THERAPEUTIQUE DE TRAITEMENT DE LA PORPHYRIE</p> <p>[72] SUZUKI, TSUYOSHI, JP</p> <p>[72] KONDO, MASAHIRO, JP</p> <p>[72] TAKAHASHI, FUMIHIRO, JP</p> <p>[72] OGASAWARA, AKIHITO, JP</p> <p>[72] HYOUDOU, KAZUMI, JP</p> <p>[71] MITSUBISHI TANABE PHARMA CORPORATION, JP</p> <p>[85] 2022-12-09</p> <p>[86] 2021-06-10 (PCT/JP2021/022036)</p> <p>[87] (WO2021/251450)</p> <p>[30] JP (2020-100952) 2020-06-10</p> <p>[30] JP (2020-134451) 2020-08-07</p>

<p>[21] 3,186,882 [13] A1</p> <p>[51] Int.Cl. A61K 31/454 (2006.01) A61P 17/00 (2006.01) A61P 37/08 (2006.01) C07D 401/14 (2006.01)</p> <p>[25] EN</p> <p>[54] PROPHYLACTIC OR THERAPEUTIC AGENT FOR PHOTODERMATOSIS</p> <p>[54] AGENT PREVENTIF OU THERAPEUTIQUE CONTRE LA KERATOSE ACTINIQUE</p> <p>[72] SUZUKI, TSUYOSHI, JP</p> <p>[72] KONDO, MASAHIRO, JP</p> <p>[72] KAWANO, YUKO, JP</p> <p>[72] MATSUMOTO, ATSUSHI, JP</p> <p>[71] MITSUBISHI TANABE PHARMA CORPORATION, JP</p> <p>[85] 2022-12-09</p> <p>[86] 2021-06-10 (PCT/JP2021/022048)</p> <p>[87] (WO2021/251452)</p> <p>[30] JP (2020-101162) 2020-06-10</p>

<p>[21] 3,186,884 [13] A1</p> <p>[51] Int.Cl. G10L 19/032 (2013.01) G10L 19/008 (2013.01)</p> <p>[25] EN</p> <p>[54] QUANTIZATION AND ENTROPY CODING OF PARAMETERS FOR A LOW LATENCY AUDIO CODEC</p> <p>[54] QUANTIFICATION ET CODAGE ENTROPIQUE DE PARAMETRES POUR UN CODEC AUDIO A FAIBLE LATENCE</p> <p>[72] MCGRATH, DAVID S., US</p> <p>[72] TYAGI, RISHABH, US</p> <p>[72] BROWN, STEFANIE, US</p> <p>[72] TORRES, JUAN FELIX, US</p> <p>[71] DOLBY LABORATORIES LICENSING CORPORATION, US</p> <p>[85] 2022-12-09</p> <p>[86] 2021-06-10 (PCT/US2021/036886)</p> <p>[87] (WO2021/252811)</p> <p>[30] US (63/037,784) 2020-06-11</p> <p>[30] US (63/194,010) 2021-05-27</p>

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[13] A1

[51] Int.Cl. G02C 7/04 (2006.01)

[25] EN

[54] DIMPLED CONTACT LENS

[54] LENTILLE DE CONTACT

ALVEOLEE

[72] LINN, MATTHEW S., US

[72] SAHA, SOURAV, US

[72] JIANG, LU, US

[72] WARREN, TIM, US

[72] KEIR, NANCY J., US

[71] COOPERVISION INTERNATIONAL
LIMITED, GB

[85] 2023-01-23

[86] 2021-08-24 (PCT/GB2021/052202)

[87] (WO2022/043681)

[30] US (63/071,384) 2020-08-28

[21] 3,186,892

[13] A1

[51] Int.Cl. G02B 6/12 (2006.01) G02B
6/122 (2006.01) G02B 6/42 (2006.01)

[25] EN

[54] PHOTONIC INTEGRATED
CIRCUIT

[54] CIRCUIT INTEGRE PHOTONIQUE

[72] KAMINENI, VIMAL KUMAR, US

[72] STAFFARONI, MATTEO, US

[72] NAJAFI, FARAZ, US

[72] MELNICHUK, ANN, US

[72] KOVALL, GEORGE, US

[72] LIANG, YONG, US

[71] PSIQUANTUM, CORP., US

[85] 2022-12-12

[86] 2021-06-15 (PCT/US2021/037422)

[87] (WO2021/257557)

[30] US (63/039,840) 2020-06-16

[21] 3,186,894

[13] A1

[51] Int.Cl. C12N 15/86 (2006.01) A61K
48/00 (2006.01) A61P 31/00 (2006.01)
C12N 7/00 (2006.01)

[25] EN

[54] TANDEM ANELLOVIRUS
CONSTRUCTS

[54] CONSTRUCTIONS
D'ANELLOVIRUS EN TANDEM

[72] DELAGRAVE, SIMON, US

[72] LEBO, KEVIN JAMES, US

[72] NAWANDAR, DHANANJAY
MANIKLAL, US

[72] TIMPONA, JOSEPH LOUIS, US

[71] FLAGSHIP PIONEERING
INNOVATIONS V, INC., US

[85] 2022-12-12

[86] 2021-06-11 (PCT/US2021/037091)

[87] (WO2021/252955)

[30] US (63/038,483) 2020-06-12

[30] US (63/146,963) 2021-02-08

[21] 3,186,895

[13] A1

[51] Int.Cl. H01Q 1/52 (2006.01) H01Q
21/00 (2006.01) H01Q 25/00 (2006.01)

[25] EN

[54] ANTENNA SYSTEM FOR A
MULTI-BEAM BEAMFORMING
FRONT-END WIRELESS
TRANSCEIVER

[54] SYSTEME D'ANTENNES POUR UN
EMETTEUR-RECEPTEUR SANS
FIL D'EXTREMITE AVANT DE
FORMATION DE FAISCEAUX A
FAISCEAUX MULTIPLES

[72] JAM, ARMIN, US

[72] KOOCHAK KOSARI, AVISH, US

[71] SKYGIG, LLC, US

[85] 2022-12-12

[86] 2021-06-11 (PCT/US2021/037058)

[87] (WO2021/252929)

[30] US (63/038,043) 2020-06-11

[21] 3,186,897

[13] A1

[51] Int.Cl. H01Q 3/24 (2006.01) H01Q
3/28 (2006.01) H01Q 3/36 (2006.01)
H04B 7/00 (2006.01)

[25] EN

[54] SYSTEM AND METHOD FOR A
MULTI-BEAM BEAMFORMING
FRONT-END ARCHITECTURE
FOR WIRELESS TRANSCEIVERS

[54] SYSTEME ET PROCEDE
D'ARCHITECTURE FRONTALE
DE FORMATION DE FAISCEAU A
FAISCEAUX MULTIPLES POUR
DES EMETTEURS-RECEPTEURS
SANS FIL

[72] JAM, ARMIN, US

[72] KOOCHAK KOSARI, AVISH, US

[71] SKYGIG, LLC, US

[85] 2022-12-12

[86] 2021-06-11 (PCT/US2021/037057)

[87] (WO2021/252928)

[30] US (63/038,043) 2020-06-11

[21] 3,186,899

[13] A1

[51] Int.Cl. A61K 8/37 (2006.01) A61Q
19/00 (2006.01) C07C 67/60 (2006.01)
C07C 69/94 (2006.01)

[25] EN

[54] SOLUBILIZATION OF
RESVERATROL GLYCOLATE
AND TARTRATE DERIVATIVES

[54] SOLUBILISATION DE
GLYCOLATE DE RESVERATROL
ET DE DERIVES DE TARTRATE

[72] MOHAMMADI, FATEMEH, US

[72] CZARNOTA, ANNA, US

[71] ELC MANAGEMENT LLC, US

[85] 2022-12-12

[86] 2020-06-11 (PCT/US2020/037323)

[87] (WO2021/251977)

[30] US (16/899,432) 2020-06-11

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[13] A1

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- [25] EN
- [54] COMPOSITIONS AND METHODS FOR TREATING PSYCHIATRIC DISORDERS OR SYMPTOMS THEREOF
- [54] COMPOSITIONS ET PROCEDES POUR TRAITER DES TROUBLES PSYCHIATRIQUES OU DES SYMPTOMES DE CEUX-CI
- [72] HOLZER, ASHER, IL
- [71] PSYRX LTD., IL
- [85] 2022-12-12
- [86] 2021-06-28 (PCT/IL2021/050787)
- [87] (WO2022/003675)
- [30] US (63/046,791) 2020-07-01

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- [25] EN

- [54] ARYLtetrahydropyridazine DERIVATIVE OR SALT THEREOF, INSECTICIDAL AGENT CONTAINING THE COMPOUND, AND METHOD OF USE THEREOF

- [54] DERIVE D'ARYLtetrahydropyridazine NE OU SON SEL, INSECTICIDE COMPRENANT L'EDIT COMPOSE ET PROCEDE D'UTILISATION DUDIT INSECTICIDE

- [72] TANAKA, KOJI, JP
- [72] TANAKA, RYOSUKE, JP
- [72] MATSUI, SHUNSUKE, JP
- [72] YAMADA, TAKAYUKI, JP
- [71] NIHON NOHYAKU CO., LTD., JP
- [85] 2022-12-12
- [86] 2021-06-24 (PCT/JP2021/023984)
- [87] (WO2021/261563)
- [30] JP (2020-110400) 2020-06-26

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- [25] EN
- [54] THERMAL STRIPPING UREA PLANT AND PROCESS
- [54] INSTALLATION ET PROCEDE D'UREE A DECAPAGE THERMIQUE
- [72] GEURTS, WILHELMUS HUBERTUS, NL
- [71] STAMICARBON B.V., NL
- [85] 2022-12-12
- [86] 2021-06-23 (PCT/NL2021/050395)
- [87] (WO2021/261999)
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- [51] Int.Cl. A61B 17/68 (2006.01)
- [25] EN
- [54] BONE FLAP FIXATION DEVICE
- [54] DISPOSITIF DE FIXATION DE VOLET OSSEUX
- [72] HESS, BRIAN J., US
- [72] KOSH, DAVID J., US
- [72] KAY, GEORGE W., US
- [72] BROWN, MICHAEL C., US
- [72] CAVELERI, CHRISTY E., US
- [72] FOLEY, KEVIN T., US
- [72] WOODARD, ERIC J., US
- [72] SLOTKIN, JONATHAN R., US
- [71] REV BIO, INC., US
- [85] 2022-12-12
- [86] 2021-06-15 (PCT/US2021/037466)
- [87] (WO2021/257591)
- [30] US (63/039,306) 2020-06-15
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- [25] EN
- [54] LARGE TIDAL CURRENT ENERGY GENERATING DEVICE AND ASSEMBLY PLATFORM THEREOF
- [54] APPAREIL DE PRODUCTION D'ENERGIE A FORT COURANT DE MAREE ET PLATEFORME D'ASSEMBLAGE POUR CELUI-CI
- [72] LIN, DONG, CN
- [72] ZHU, FUWEI, CN
- [71] HANGZHOU LHD INSTITUTE OF NEW ENERGY, LLC, CN
- [71] HANGZHOU LINDONG NEW ENERGY TECHNOLOGY INC., CN
- [71] ZHEJIANG ZHOUSHAN LHD ENERGY DEVELOPMENT CO., LTD., CN
- [71] ZHOUSHAN LINDONG TIDAL CURRENT POWER GENERATION CO., LTD., CN
- [85] 2022-12-12
- [86] 2020-06-10 (PCT/CN2020/095387)
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- [25] EN
- [54] ANTIMONY TRIOXIDE FREE FLAME RETARDANT POLYMER COMPOSITION
- [54] COMPOSITION POLYMERE IGNIFUGE SANS TRIOXYDE D'ANTIMOINE
- [72] HE, QINGLIANG, US
- [72] ENDTNER, JOCHEN, DE
- [71] LANXESS CORPORATION, US
- [85] 2022-12-12
- [86] 2021-06-16 (PCT/US2021/037715)
- [87] (WO2021/257755)
- [30] US (63/040,486) 2020-06-17

[21] 3,186,971
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- [25] EN
- [54] FLAME RETARDANT AND STABILIZER COMBINED FOR USE WITH THERMOPLASTICS
- [54] IGNIFUGE ET STABILISATEUR COMBINES DESTINES A ETRE UTILISES AVEC DES THERMOPLASTIQUES
- [72] HE, QINGLIANG, US
- [71] LANXESS CORPORATION, US
- [85] 2022-12-12
- [86] 2021-06-16 (PCT/US2021/037716)
- [87] (WO2021/257756)
- [30] US (63/040,489) 2020-06-17

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- [25] EN
- [54] METHODS FOR CONTROLLING MERISTEM SIZE FOR CROP IMPROVEMENT
- [54] PROCEDES DE REGULATION DE LA TAILLE DE MERISTÈME POUR L'AMÉLIORATION DES CULTURES
- [72] O'CONNOR, DEVIN, US
- [72] GRAHAM, NATHANIEL, US
- [71] PAIRWISE PLANTS SERVICES, INC., US
- [85] 2022-12-12
- [86] 2021-06-17 (PCT/US2021/037740)
- [87] (WO2021/257775)
- [30] US (63/040,044) 2020-06-17

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- [25] EN
- [54] ANTAGONISTIC PEPTIDE TARGETING IL-2, IL-9, AND IL-15 SIGNALING FOR THE TREATMENT OF CYTOKINE-RELEASE SYNDROME AND CYTOKINE STORM ASSOCIATED DISORDERS
- [54] PEPTIDE ANTAGONISTE CIBLANT LA SIGNALISATION D'IL -2, IL -9 ET IL -15 POUR LE TRAITEMENT DU SYNDROME DE LIBÉRATION DES CYTOKINES ET DES TROUBLES ASSOCIES À UN ORAGE CYTOKINIQUE
- [72] TAGAYA, YUTAKA, US
- [72] AZIMI, NAZLI, US
- [71] BIONIZ, LLC, US
- [85] 2022-12-12
- [86] 2021-06-22 (PCT/US2021/038512)
- [87] (WO2021/262735)
- [30] US (63/043,636) 2020-06-24

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- [25] EN
- [54] METHODS AND COMPOSITIONS FOR ANALYZING NUCLEIC ACID
- [54] PROCEDES ET COMPOSITIONS POUR ANALYSE D'ACIDE NUCLEIQUE
- [72] TROLL, CHRISTOPHER J., US
- [72] RAO, VARSHA, US
- [71] CLARET BIOSCIENCE, LLC, US
- [85] 2022-12-12
- [86] 2021-06-23 (PCT/US2021/038609)
- [87] (WO2021/262805)
- [30] US (63/043,688) 2020-06-24
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 - [25] EN
 - [54] METHODS, COMPOSITIONS, AND SYSTEMS FOR DETECTING CORONAVIRUS NEUTRALIZING ANTIBODIES
 - [54] PROCEDES, COMPOSITIONS ET SYSTEMES POUR LA DETECTION D'ANTICORPS NEUTRALISANT LES CORONAVIRUS
 - [72] PETROPOULOS, CHRISTOS J., US
 - [72] WRIN, MARY T., US
 - [72] DITIRRO, DANIELLE, US
 - [71] LABORATORY CORPORATION OF AMERICA HOLDINGS, US
 - [85] 2022-12-12
 - [86] 2021-06-25 (PCT/US2021/039185)
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- [25] EN
- [54] BEADS AS TRANSPOSOME CARRIERS
- [54] BILLES UTILISEES EN TANT QUE SUPPORTS POUR TRANSPOSOMES
- [72] WU, YIR-SHYUAN, US
- [72] KHURANA, TARUN KUMAR, US
- [72] ROSAS-CANYELLES, ELISABET, US
- [72] SHEN, FEI, US
- [72] BRODIN, JEFFERY, US
- [72] STORMS, LENA, US
- [72] FISHER, JEFFERY S., US
- [71] ILLUMINA, INC., US
- [85] 2022-12-12
- [86] 2021-07-07 (PCT/US2021/040612)
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- [30] US (63/049,172) 2020-07-08

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 - [25] EN
 - [54] MULTIPACTION-PROOF WAVEGUIDE FILTER
 - [54] FILTRE DE GUIDE D'ONDES RESISTANT A UNE DECHARGE AUTO-ENTRETENUE
 - [72] WRIGLEY, JASON STEWART, US
 - [72] KEE, ANDREW JASON, US
 - [71] LOCKHEAD MARTIN CORPORATION, US
 - [85] 2022-12-12
 - [86] 2021-07-07 (PCT/US2021/040731)
 - [87] (WO2022/011039)
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 - [25] EN
 - [54] INSECTICIDAL PROTEINS AND METHODS FOR THEIR USE
 - [54] PROTEINES INSECTICIDES ET LEURS PROCEDES D'UTILISATION
 - [72] BEESON, WILLIAM T., US
 - [72] GRIFFIN, SAMANTHA L., US
 - [72] LARSEN, CORY M., US
 - [72] MUTTI, NAVDEEP, US
 - [72] ORAL, JARRED KENNETH, US
 - [72] WEI, JUN-ZHI, US
 - [72] ZHU, BAOLONG, US
 - [71] PIONEER HI-BRED INTERNATIONAL, INC., US
 - [85] 2022-12-12
 - [86] 2021-07-12 (PCT/US2021/041215)
 - [87] (WO2022/020417)
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 - [25] EN
 - [54] METHOD AND APPARATUS FOR HEATING AND ROLL FORMING A PRODUCT
 - [54] PROCEDE ET APPAREIL DE CHAUFFAGE ET DE FORMAGE PAR LAMINAGE D'UN PRODUIT
 - [72] MALPICA, JULIO, US
 - [72] KAMAT, RAJEEV G., US
 - [72] JANOFF, ANNA E., US
 - [72] TALLA, RAJASEKHAR, US
 - [72] WALCZAK, BRIAN MATTHEW, US
 - [72] ROY, DEBDUTTA, US
 - [72] GAENSBAUER, DAVID ANTHONY, US
 - [72] HO, JOHN MIN, US
 - [72] PEARSON, CULLEN, US
 - [72] RAIS, ADOLFO, US
 - [72] KIDWELL, CAROLYN GRACE, US
 - [72] IYER, NATASHA, US
 - [72] RICHARD, JULIE, US
 - [72] LEYVRAZ, DAVID, US
 - [72] DESPOIS, AUDE CELINE, US
 - [72] KEMPA, STEFAN FELIX, US
 - [71] NOVELIS INC., US
 - [85] 2022-12-12
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 - [87] (WO2022/020417)
 - [30] US (62/705,911) 2020-07-22
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- [51] Int.Cl. B32B 1/08 (2006.01) B32B 27/32 (2006.01)
- [25] EN
- [54] TOOTH WHITENING PRODUCT
- [54] PRODUIT DE BLANCHIMENT DES DENTS
- [72] CURTIS, MICHAEL DAVID, US
- [72] MEDEIROS, FRANCO SILVA, US
- [72] RAMON MARTINEZ, NATALIA MARIA, US
- [72] RAJAIAH, JAYANTH, US
- [71] THE PROCTER & GAMBLE COMPANY, US
- [85] 2022-12-12
- [86] 2021-08-24 (PCT/US2021/047239)
- [87] (WO2022/046692)
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- [25] EN
- [54] PHTHALAZINONE COMPOUND, AND PREPARATION METHOD THEREFOR AND MEDICAL USE THEREOF
- [54] COMPOSE DE PHTHALAZINONE, SON PROCEDE DE PREPARATION ET SON UTILISATION MEDICALE
- [72] LU, HONGFU, CN
- [72] XING, WEIQUANG, CN
- [72] LV, YONGCONG, CN
- [72] QI, BAOJIAN, CN
- [72] PENG, JIANBIAO, CN
- [72] GUO, HAIBING, CN
- [71] SHANGHAI JEMINCARE PHARMACEUTICALS CO., LTD, CN
- [71] JIANGXI JEMINCARE GROUP CO., LTD, CN
- [85] 2022-12-12
- [86] 2021-06-11 (PCT/CN2021/099654)
- [87] (WO2021/249534)
- [30] CN (202010536221.6) 2020-06-12
- [30] CN (202011147078.8) 2020-10-23
- [30] CN (202011261665.X) 2020-11-12
- [30] CN (202110485680.0) 2021-04-30
- [30] CN (202110614030.1) 2021-06-02

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- [51] Int.Cl. F25D 23/02 (2006.01) F25D 23/08 (2006.01)
- [25] EN
- [54] REFRIGERATOR
- [54] REFRIGERATEUR
- [72] VELLINGA, WILLEM JAN, NL
- [71] HORECA ENGINEERING B.V., NL
- [85] 2022-12-12
- [86] 2021-06-14 (PCT/EP2021/065979)
- [87] (WO2021/254966)
- [30] EP (20180015.8) 2020-06-15

[21] 3,186,984
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- [51] Int.Cl. B22D 27/02 (2006.01)
- [25] EN
- [54] ACTUATOR FOR A CASTING MOLD FOR PRODUCING METAL COMPONENTS
- [54] ACTIONNEUR POUR UN MOULE DE COULEE POUR LA PRODUCTION DE COMPOSANTS METALLIQUES
- [72] GARCIA-BRAGADO, FEDERICO, DE
- [72] NEUNTEUFL, ERNST, AT
- [72] FRANK, SIMON, AT
- [72] GNEIGER, STEFAN, AT
- [71] VOESTALPINE ADDITIVE MANUFACTURING CENTER GMBH, DE
- [85] 2022-12-12
- [86] 2021-06-15 (PCT/EP2021/066108)
- [87] (WO2021/255023)
- [30] DE (10 2020 116 143.3) 2020-06-18

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- [25] EN
- [54] ELECTRODE FOR ELECTROCHEMICAL EVOLUTION OF HYDROGEN
- [54] ELECTRODE POUR L'EVOLUTION ELECTROCHIMIQUE D'HYDROGÈNE
- [72] CALDERARA, ALICE, IT
- [72] MORA, STEFANIA, IT
- [71] INDUSTRIE DE NORA S.P.A., IT
- [85] 2022-12-12
- [86] 2021-06-22 (PCT/EP2021/066952)
- [87] (WO2021/259914)
- [30] IT (102020000015250) 2020-06-25

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- [51] Int.Cl. B66B 23/00 (2006.01) B66B 21/00 (2006.01)
- [25] EN
- [54] EMBEDDED TYPE UPDATING ESCALATOR
- [54] ESCALIER MECANIQUE DE MISE A JOUR DE TYPE INTEGRE
- [72] ZHU, XUEMING, CN
- [71] HANSON LIFT (SUZHOU) CO., LTD., CN
- [85] 2022-12-12
- [86] 2020-07-13 (PCT/CN2020/101572)
- [87] (WO2021/258435)
- [30] CN (202010573002.5) 2020-06-22

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- [25] EN
- [54] ANTI-HUMAN INTERLEUKIN 23 MONOClonal ANTIBODY AND APPLICATION THEREOF
- [54] ANTICORPS MONOClonal ANTI-INTERLEUKINE 23 HUMAINE ET SON UTILISATION
- [72] QIU, JIWAN, CN
- [72] KONG, YONG, CN
- [72] CHEN, WEI, CN
- [72] QIAO, HUAUYAO, CN
- [72] QIU, ZHIHUA, CN
- [72] WU, YILIANG, CN
- [72] CHEN, TAO, CN
- [72] WU, MEIJUAN, CN
- [71] QYUNS THERAPEUTICS CO., LTD., CN
- [85] 2022-12-12
- [86] 2020-09-09 (PCT/CN2020/114176)
- [87] (WO2021/248718)
- [30] CN (202010534153.X) 2020-06-12

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 [25] EN
 [54] ANTI-SARS-COV-2-INFECTON PROTEIN AND VACCINE
 [54] PROTEINE ET VACCIN CONTRE UNE INFECTION PAR SRAS-COV-2
 [72] WEI, XIAWEI, CN
 [72] LU, GUANGWEN, CN
 [72] WANG, WEI, CN
 [72] YANG, JINLIANG, CN
 [72] YANG, LI, CN
 [72] LI, JIONG, CN
 [72] YANG, JINGYUN, CN
 [72] WEI, YUQUAN, CN
 [72] WANG, ZHENLING, CN
 [72] ZHAO, ZHIWEI, CN
 [72] SHEN, GUOBO, CN
 [71] WEST VAC BIOPHARMA CO., LTD., CN
 [85] 2022-12-12
 [86] 2020-09-18 (PCT/CN2020/116109)
 [87] (WO2021/169255)
 [30] CN (202010113054.4) 2020-02-24
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 [25] EN
 [54] ROBOTIC SYSTEM FOR MICROSURGICAL PROCEDURES
 [54] SYSTEME ROBOTIQUE POUR PROCEDURES MICROCHIRURGICALES
 [72] GLOZMAN, DANIEL, IL
 [72] ARNOLD, OFER, IL
 [71] FORSIGHT ROBOTICS LTD., IL
 [85] 2022-12-12
 [86] 2021-07-27 (PCT/IB2021/056784)
 [87] (WO2022/023962)
 [30] US (63/057,391) 2020-07-28
 [30] US (63/087,408) 2020-10-05
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 [25] EN
 [54] FLAME RETARDANT AND STABILIZER COMBINED FOR USE WITH THERMOPLASTICS
 [54] IGNIFUGE ET STABILISATEUR COMBINES POUR UNE UTILISATION AVEC DES THERMOPLASTIQUES
 [72] HE, QINGLIANG, US
 [71] LANXESS CORPORATION, US
 [85] 2022-12-12
 [86] 2021-06-16 (PCT/US2021/037706)
 [87] (WO2021/257749)
 [30] US (63/040,467) 2020-06-17
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 [25] EN
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 [54] SYSTEME ET PROCEDE DE PROTECTION D'ARMOIRES CONTRE LES INTERFERENCES ELECTROMAGNETIQUES
 [72] STOLTZ, FREDRIK, SE
 [72] VAN DER SCHAAF, JOAKIM, SE
 [71] PRIMOZONE PRODUCTION AB, SE
 [85] 2022-12-12
 [86] 2021-06-03 (PCT/EP2021/064926)
 [87] (WO2021/254787)
 [30] EP (20180560.3) 2020-06-17
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 [25] EN
 [54] QUINOXALINE DERIVATIVES AS ANTI-CANCER DRUGS
 [54] DERIVES DE QUINOXALINE EN TANT QUE MEDICAMENTS ANTICANCEREUX
 [72] PACKER, MARTIN JOHN, GB
 [72] DEGORCE, SEBASTIEN LOUIS, GB
 [72] JOHANNES, JEFFREY WALLACE, US
 [72] HANDE, SUDHIR MAHADEO, US
 [72] GHOSH, AVIPSA, US
 [72] ZHENG, XIAOLAN, US
 [71] ASTRAZENECA AB, SE
 [85] 2022-12-12
 [86] 2021-06-24 (PCT/EP2021/067304)
 [87] (WO2021/260092)
 [30] US (63/044,095) 2020-06-25
 [30] US (63/120,351) 2020-12-02
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[13] A1

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 [54] METHODS FOR DETECTING AND PREDICTING CANCER AND/OR CIN3
 [54] PROCEDES DE DETECTION ET DE PREDICTION D'UN CANCER ET/OU DE LA CIN3
 [72] WIDSCHWENDTER, MARTIN, GB
 [72] BARRETT, JAMES, GB
 [72] JONES, ALLISON, GB
 [72] EVANS, IONA, GB
 [71] UCL BUSINESS LTD, GB
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 [87] (WO2021/255459)
 [30] GB (2009224.3) 2020-06-17
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 - [54] PROCEDE ET DISPOSITIF DE RECYCLAGE DE DECHETS CONTENANT DES METAUX DE VALEUR
 - [72] GORLITZ, FRANK (DECEASED), DE
 - [72] WESTPHAL, SEBASTIAN, DE
 - [71] AURA TECHNOLOGIE GMBH, DE
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 - [54] METHODS FOR DETECTING AND PREDICTING GRADE 3 CERVICAL EPITHELIAL NEOPLASIA (CIN3) AND/OR CANCER
 - [54] METHODES DE DETECTION ET DE PREDICTION DE NEOPLASIE EPITHELIALE CERVICALE DE STADE 3 (CIN3) ET/OU DE CANCER
 - [72] WIDSCHWENDTER, MARTIN, GB
 - [72] BARRETT, JAMES, GB
 - [72] JONES, ALLISON, GB
 - [72] EVANS, IONA, GB
 - [71] UCL BUSINESS LTD, GB
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 - [54] SPRAY-DRIED COFFEE PRODUCT AND PRODUCTION METHOD
 - [54] PRODUIT DE CAFE SECHE PAR PULVERISATION ET PROCEDE DE PRODUCTION
 - [72] HENSON, SIAN, GB
 - [72] WELSH, JOE, GB
 - [72] CORROCHANO, BORJA, GB
 - [72] ESPINO, EVA, GB
 - [72] SILANES-KENNY, JAVIER, NL
 - [72] EDGE, CHARLES, GB
 - [71] KONINKLIJKE DOUWE EGBERTS B.V., NL
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 - [25] EN
 - [54] THERAPEUTIC MICROBES
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 - [72] BONGERS, MAREIKE, DK
 - [72] TUEROS FARFAN, FELIPE, DK
 - [72] SOMMER, MORTEN, DK
 - [72] NEERGAARD, FREDERIK, DK
 - [72] KAMMLER, SUSANNE, DK
 - [71] DANMARKS TEKNISKE UNIVERSITET, DK
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 - [54] PROCEDES DE DETECTION ET DE PREDICTION DU CANCER
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 - [71] UCL BUSINESS LTD, GB
 - [85] 2022-12-13
 - [86] 2021-06-17 (PCT/GB2021/051538)
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- [25] EN
- [54] METAL JOINER SYSTEM, ASSOCIATED METHODS, AND PRODUCTS
- [54] SYSTEME D'ASSEMBLAGE METALLIQUE, PROCEDES ASSOCIES ET PRODUITS
- [72] LIN, DECHAO, US
- [72] ZHU, DEWEI, US
- [72] SON, CHANGOOK, US
- [72] HAINES, KYLE, US
- [72] NAZRO, LOUIS MITCHELL, US
- [72] KEIM, DOUG, US
- [72] EDDIE, CURTIS, US
- [72] MATHUR, DEVESH, US
- [72] GAENSBAUER, DAVID ANTHONY, US
- [71] NOVELIS INC., US
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 - [54] METHODES DE DETECTION ET DE PREDICTION DU CANCER DU SEIN
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 - [72] BARRETT, JAMES, GB
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 - [25] EN
 - [54] METHODS AND APPARATUS FOR REMOTELY LAYING CABLE
 - [54] PROCEDES ET APPAREIL DE POSE A DISTANCE DE CABLE
 - [72] FISK, JARED JOHAN, CA
 - [71] AXON4D CORP., CA
 - [85] 2022-12-13
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 - [54] METHOD FOR THE PRODUCTION OF METAL RADIOISOTOPES AND APPARATUS FOR THE IMPLEMENTATION OF THE METHOD
 - [54] PROCEDE DE PRODUCTION DE RADIO-ISOTOPES METALLIQUES ET APPAREIL POUR SA MISE EN OEUVRE
 - [72] GACSL, KAROLY, HU
 - [71] SYNIQ KFT., HU
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 - [87] (WO2022/013585)
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 - [54] RAIL STRUCTURE AND BALCONY COMPRISING THE RAIL STRUCTURE
 - [54] STRUCTURE DE RAIL ET BALCON COMPRENANT LA STRUCTURE DE RAIL
 - [72] KATAJISTO, MARKKU, FI
 - [71] INSINOORITOIMISTO CM-RAKENTAJAT OY, FI
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 - [54] ACOUSTIC OUTPUT APPARATUS
 - [54] APPAREIL DE SORTIE ACOUSTIQUE
 - [72] WANG, LIWEI, CN
 - [72] ZHANG, LEI, CN
 - [72] LIAO, FENGYUN, CN
 - [71] SHENZHEN SHOKZ CO., LTD., CN
 - [85] 2022-12-13
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 - [25] EN
 - [54] APPARATUS FOR CULTIVATION OF LONG-STEM VEGETABLE PLANTS, RELATED METHOD AND USES
 - [54] APPAREIL DE CULTURE DE PLANTS DE LEGUME A LONGUE TIGE, PROCEDE ET UTILISATIONS ASSOCIES
 - [72] NAKKILA, JUHA, FI
 - [72] SARKKA, LIISA, FI
 - [72] KARHU, SAILA, FI
 - [72] JOKINEN, KARI JUHANI, FI
 - [72] TAHVONEN, RISTO, FI
 - [71] LUONNONVARAKESKUS, FI
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- [54] AN INTEGRATED HEAP LEACH PROCESS
- [54] PROCESSUS DE LIXIVIATION EN TAS INTEGRE
- [72] FILMER, ANTHONY OWEN, AU
- [72] BILEY, CHRISTOPHER ALAN, GB
- [72] ALEXANDER, DANIEL JOHN (DECEASED), GB
- [71] ANGLO AMERICAN TECHNICAL & SUSTAINABILITY SERVICES LTD, GB
- [71] ANGLO CORPORATE SERVICES SOUTH AFRICA (PTY) LTD, ZA
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- [54] COMPOSITION COMPRISING A BENZOATE SALT OF 5-METHOXY-N,N-DIMETHYLTRYPTAMINE
- [54] COMPOSITION COMPRENANT UN SEL DE BENZOATE DE 5-METHOXY-N, N-DIMETHYLTRYPTAMINE
- [72] FEILDING-MELLEN, COSMO, GB
- [72] MASON, TIMOTHY, GB
- [71] BECKLEY PSYTECH LIMITED, GB
- [85] 2022-12-12
- [86] 2021-06-14 (PCT/GB2021/051475)
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- [54] ENSEMBLE AIGUILLE EXTERNE
- [72] SADAHIRO, KANAME, JP
- [72] NAKAGAMI, HIROYUKI, JP
- [72] KUDO, TATSUYA, JP
- [72] KATAOKA, NAOYA, JP
- [71] NIPRO CORPORATION, JP
- [85] 2022-12-13
- [86] 2021-06-22 (PCT/JP2021/023686)
- [87] (WO2021/261500)
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- [25] EN
- [54] PREDICTIVE BUILDING EMERGENCY GUIDANCE AND ADVISEMENT SYSTEM
- [54] SYSTEME PREDICTIF DE GUIDAGE ET DE CONSEIL D'URGENCE DE BATIMENT
- [72] DERICKSON, RUSSELL G., US
- [71] LGHORIZON, LLC, US
- [85] 2022-12-13
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- [54] CATALYST FOR USE IN THE CATALYTIC REDUCTION OF SULFUR CONTAINED IN A GAS STREAM AND METHODS OF MAKING AND USING SUCH CATALYST
- [54] CATALYSEUR DESTINE A ETRE UTILISE DANS LA REDUCTION CATALYTIQUE DU SOUFRE CONTENU DANS UN FLUX GAZEUX ET PROCEDES DE FABRICATION ET D'UTILISATION DE CE CATALYSEUR
- [72] KRUEGER, KARL MARVIN, US
- [71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ BV, NL
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- [86] 2021-07-16 (PCT/US2021/042001)
- [87] (WO2022/016067)
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- [54] PEPTIDES IMMUNODOMINANTS DE SARS-COV-2 ET LEURS UTILISATIONS
- [72] KULA, TOMASZ, US
- [72] MACBEATH, GAVIN, US
- [72] FERRETTI, ANDREW P., US
- [72] WANG, YIFAN, US
- [71] TSCAN THERAPEUTICS, INC., US
- [71] AHS HOSPITAL CORP., US
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- [30] US (63/040,267) 2020-06-17
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- [25] EN
- [54] ORAL CARE PRODUCT
- [54] PRODUIT DE SOIN BUCCAL
- [72] CURTIS, MICHAEL DAVID, US
- [72] RAMJI, NIRANJAN, US
- [72] MEDEIROS, FRANCO SILVA, US
- [72] RAMON MARTINEZ, NATALIA MARIA, US
- [72] RAJAIAH, JAYANTH, US
- [71] THE PROCTER & GAMBLE COMPANY, US
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 [25] EN
 [54] TRIPLE ANTIBIOTIC FIXED-DOSE COMBINATION PRODUCTS, DOSING REGIMEN, METHODS, AND KITS FOR TREATING PULMONARY NON-TUBERCULOSIS MYCOBACTERIAL INFECTIONS
 [54] PRODUITS DE COMBINAISON DE DOSES FIXES DE TROIS ANTIBIOTIQUES, SCHEMA POSOLOGIQUE, METHODES ET KITS DE TRAITEMENT D'INFECTIONS PULMONAIRES MYCOBACTERIENNES NON TUBERCULEUSES
 [72] FATHI, REZA, IL
 [72] RADAY, GILEAD, IL
 [72] ANDERSON, PATRICIA, IL
 [72] OFFMAN, ELLIOT, IL
 [71] REDHILL BIOPHARMA LTD., IL
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 [86] 2021-06-30 (PCT/IB2021/000451)
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 [30] US (63/046,335) 2020-06-30
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 [25] EN
 [54] BIOMARKERS FOR IDENTIFYING RELAPSES IN MULTIPLE SCLEROSIS
 [54] BIOMARQUEURS POUR L'IDENTIFICATION DES RECHUTES DANS LA SCLEROSE EN PLAQUES
 [72] AXTELL, ROBERT, US
 [72] KUMAR, GAURAV, US
 [72] AGASING, AGNIESHKA, US
 [71] OKLAHOMA MEDICAL RESEARCH FOUNDATION, US
 [71] THE BOARD OF REGENTS OF THE UNIVERSITY OF OKLAHOMA, US
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 [25] EN
 [54] RADIANT ENERGY SPECTRUM CONVERTER
 [54] CONVERTISSEUR DE SPECTRE D'ENERGIE RAYONNANTE
 [72] TALEBZADEH, NIMA, CA
 [72] O'BRIEN, PAUL, CA
 [71] TALEBZADEH, NIMA, CA
 [71] O'BRIEN, PAUL, CA
 [85] 2022-12-13
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 [54] METHODS OF IDENTIFYING AND CHARACTERIZING ANELLOVIRUSES AND USES THEREOF
 [54] PROCEDES D'IDENTIFICATION ET DE CARACTERISATION D'ANELLOVIRUS ET UTILISATIONS ASSOCIEES
 [72] KAHVEJIAN, AVAK, US
 [72] WEINSTEIN, ERICA GABRIELLE, US
 [72] HAJJAR, ROGER JOSEPH, US
 [72] YOZWIAK, NATHAN LAWRENCE, US
 [72] DELAGRAVE, SIMON, US
 [72] ECHELARD, YANN PAUL GUY REGIS, US
 [72] SPRINGER, SIMEON UNGERLEIDER, US
 [72] ARZE, CESAR A., US
 [72] ANDERSEN, KRISTIAN GRAUGAARD, US
 [71] FLAGSHIP PIONEERING INNOVATIONS V, INC., US
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 [25] EN
 [54] AN AGROCHEMICAL COMPOSITION
 [54] COMPOSITION AGROCHIMIQUE
 [72] MONDAL, ACHINTYA, IN
 [72] BHOGE, SATISH EKANATH, IN
 [71] UPL LIMITED, IN
 [85] 2022-12-12
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 [87] (WO2021/171147)
 [30] IN (202021008723) 2020-02-29
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 [25] EN
 [54] IMPROVED MODULAR ELEMENT FOR MAKING UNDERGROUND STRUCTURES FOR BASINS DESIGNED TO MANAGE METEORIC WATERS OR UNDERGROUND STRUCTURES FOR RETAINING SOIL
 [54] ELEMENT MODULAIRE AMELIORE DESTINE A LA FABRICATION DE STRUCTURES SOUTERRAINES POUR BASSINS CONCUS POUR GERER DES EAUX METEOROLOGIQUES OU DES STRUCTURES SOUTERRAINES POUR RETENIR LE SOL
 [72] PEGORARO, MIRCO, IT
 [71] GEOPLAST SPA, IT
 [85] 2022-12-12
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- [54] UTILISATION DE COLLAGENE DE MEDUSE
- [72] SPRAGG, ANDREW MEARN, GB
- [72] EKBOM, DALE, US
- [72] SAN-MARINA, SERBAN, US
- [71] JELLAGEN PTY LTD, GB
- [71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
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- [54] APPAREIL D'ENTRAINEMENT AU TIR DE BALLON DE BASKET
- [72] ADOMAKO, DENNIS, CA
- [71] ADOMAKO, DENNIS, CA
- [85] 2022-12-14
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- [25] EN
- [54] PASSIVE HEAT REMOVAL SYSTEM FOR NUCLEAR REACTORS
- [54] SYSTEME PASSIF D'ELIMINATION DE CHALEUR POUR REACTEURS NUCLEAIRES
- [72] HEJZLAR, PAVEL, US
- [72] MCNABB, PETER, US
- [71] TERRAPOWER, LLC, US
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- [86] 2021-03-04 (PCT/US2021/020961)
- [87] (WO2022/039787)
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- [25] EN
- [54] APPARATUS AND METHOD FOR ANALYSIS OF A MOVING SLURRY
- [54] SYSTEME ET PROCEDE D'ANALYSE D'UNE SUSPENSION EN CIRCULATION
- [72] DU PLESSIS, FRANCOIS EBERHARDT, ZA
- [72] LE ROUX, PIETER, ZA
- [71] BLUE CUBE TECHNOLOGY (PTY) LTD, ZA
- [85] 2022-12-14
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- [25] EN
- [54] VENTRAL STRIATUM ACTIVITY
- [54] ACTIVITE DU STRIATUM VENTRAL
- [72] HENDLER, TALMA, IL
- [72] SINGER, NEOMI, IL
- [72] ZATORRE, ROBERT, CA
- [72] DAGHER, ALAIN, CA
- [72] FARRES-FRANCH, MARCEL, CA
- [71] ICHILOV TECH LTD., IL
- [71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY, CA
- [71] RAMOT AT TEL-AVIV UNIVERSITY LTD., IL
- [85] 2022-12-14
- [86] 2021-06-22 (PCT/IL2021/050764)
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- [54] A HEATING UNIT
- [54] UNITE DE CHAUFFAGE
- [72] KOHEN, YUSUF, TR
- [71] LIKUA ENDUSTRIYEL AMBALAJ MALZM. SAN. VE TIC. LTD. STI., TR
- [85] 2022-12-14
- [86] 2021-05-06 (PCT/TR2021/050435)
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 - [25] EN
 - [54] MEDICAL IMAGING COMPATIBLE RADIOLUENT ACTUATION OF TRANSLATION ROTATION ARTICULATION CIRCUMDUCTION JOINT
 - [54] ACTIONNEMENT RADIOTRSPARENT COMPATIBLE AVEC L'IMAGERIE MEDICALE D'UN JOINT DE CIRCUMDUCTION D'ARTICULATION A ROTATION PAR TRANSLATION
 - [72] CAMPAGNA, MICHAEL, US
 - [71] CAMPAGNA, MICHAEL, US
 - [85] 2022-12-14
 - [86] 2021-06-03 (PCT/US2021/035805)
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 - [25] EN
 - [54] CROSS-HATCHED BAMBOO STRAND LUMBER
 - [54] BOIS DE BAMBOU EN COPEAUX LONGS A HACHURES CROISEES
 - [72] TREFES, AUSTIN LEE, US
 - [71] PANDA INDUSTRIES, INC., US
 - [85] 2022-12-14
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- [25] EN
- [54] mRNA TRANSFECTION OF IMMUNE CELLS
- [54] TRANSFECTION D'ARNM DE CELLULES IMMUNITAIRES
- [72] KLICHINSKY, MICHAEL, US
- [72] YASHIRO-OHTANI, YUMI, US
- [72] ROSS, KAYLEIGH, US
- [71] CARISMA THERAPEUTICS INC., US
- [85] 2022-12-13
- [86] 2021-06-25 (PCT/US2021/039168)
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- [30] US (63/044,855) 2020-06-26

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- [25] EN
- [54] COMPOSITIONS AND METHODS FOR REPROGRAMMING SKIN TISSUE TO HAVE INSULINOGENIC AND DELIVERY FUNCTIONS
- [54] COMPOSITIONS ET PROCEDES DE REPROGRAMMATION DE TISSU CUTANE POUR AVOIR DES FONCTIONS INSULINOGENES ET D'ADMINISTRATION
- [72] SEN, CHANDAN K., US
- [72] ROY, SASHWATI, US
- [72] KUMAR, MANISHEKHAR, US
- [72] SINGH, KANHAIYA, US
- [71] THE TRUSTEES OF INDIANA UNIVERSITY, US
- [85] 2022-12-13
- [86] 2021-06-25 (PCT/US2021/039083)
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- [25] EN
- [54] TOPICAL FORMULATIONS OF (1S)-1-PHENYL-2-PYRIDIN-2-YLETHANAMINE
- [54] FORMULATIONS TOPIQUES DE (1S)-1-PHENYL-2-PYRIDIN-2-YLETHANAMINE
- [72] BERMAN, ROBERT, US
- [72] KUMAR, RAJESH, US
- [72] CONWAY, CHARLES M., US
- [72] DONOHUE, MARY K., US
- [72] REKA, AJAYA KUMAR, US
- [71] BIOHAVEN THERAPEUTICS LTD., US
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- [86] 2021-06-23 (PCT/US2021/038564)
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- [30] US (63/043,075) 2020-06-23

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- [25] EN
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- [54] SERINGUE A CHAMBRES MULTIPLES
- [72] TREXLER, JONATHAN BRUCE, US
- [72] GRIDER, KEITH A., US
- [72] BELTON, ANTONIO, US
- [71] DAVOL INC., US
- [85] 2022-12-13
- [86] 2021-06-22 (PCT/US2021/038398)
- [87] (WO2022/005806)
- [30] US (63/046,200) 2020-06-30

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- [25] EN
- [54] METHODS OF MEASURING CARFILZOMIB
- [54] PROCEDES DE MESURE DE CARFILZOMIB
- [72] HARPER, EMMA, US
- [72] COHEN, DAWN ELYSE, US
- [71] AMGEN INC., US
- [85] 2022-12-13
- [86] 2021-06-18 (PCT/US2021/038002)
- [87] (WO2021/257941)
- [30] US (63/041,141) 2020-06-19

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- [25] EN
- [54] DIRECT DRIVE DRUM FOR A MODULAR CONVEYOR BELT
- [54] TAMBOUR D'ENTRAINEMENT DIRECT POUR UNE BANDE TRANSPORTEUSE MODULAIRE
- [72] SALICUNAJ, ALBERT, CH
- [71] HABASIT ITALIANA S.P.A., CESANO BOSCONI, R&D PLASTICS, ZWEIGNIEDERLASSUNG REINACH/BL (SCHWEIZ), CH
- [85] 2022-12-13
- [86] 2021-06-09 (PCT/EP2021/065514)
- [87] (WO2021/254854)
- [30] EP (20180034.9) 2020-06-15

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- [25] EN
- [54] METHOD FOR OPERATING A STORAGE ARRANGEMENT
- [54] PROCEDE DE FONCTIONNEMENT D'UN SYSTEME DE STOCKAGE
- [72] LEIKING, LARS, DE
- [72] SEEMULLER, STEFAN, DE
- [72] DEWITZ, MARCO, DE
- [71] JUNGHEINRICH AKTIENGESELLSCHAFT, DE
- [85] 2022-12-13
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- [87] (WO2021/259821)
- [30] EP (20181836.6) 2020-06-24

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[25] EN
[54] SULFONE DERIVATIVES
[54] DERIVES DE SULFONE
[72] BELL, ANDREW SIMON, GB
[72] BESNARD, JEREMY, GB
[72] BRADLEY, ANTHONY RICHARD, GB
[72] GREEN, LUKE, CH
[72] HAAP, WOLFGANG, CH
[72] KOCER, BUELENT, CH
[72] KUGLSTATTER, ANDREAS, CH
[72] LUCAS, XAVIER, CH
[72] MATTEI, PATRIZIO, CH
[72] MAZUNIN, DMITRY, CH
[72] RIEMER, CLAUS, CH
[72] VAN HOORN, WILLEM PAUL, GB
[71] F. HOFFMANN-LA ROCHE AG, CH
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[86] 2021-06-21 (PCT/EP2021/066767)
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[30] EP (20181363.1) 2020-06-22

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[25] EN
[54] LOW-OXYGEN ALSC ALLOY POWDER AND PROCESS FOR THE PRODUCTION THEREOF
[54] POUDRES D'ALLIAGE ALSC A FAIBLE TENEUR EN OXYGENE ET LEUR PROCEDE DE PRODUCTION
[72] SCHNITTER, CHRISTOPH, DE
[72] HAAS, HELMUT, DE
[72] BRUMM, HOLGER, DE
[71] TANIOBIS GMBH, DE
[85] 2022-12-13
[86] 2021-06-24 (PCT/EP2021/067311)
[87] (WO2022/012896)
[30] DE (10 2020 208 782.2) 2020-07-14

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[51] Int.Cl. C07D 265/28 (2006.01) C07D 471/04 (2006.01)
[25] EN
[54] PROCESS FOR PREPARING METHYL {4,6-DIAMINO-2-[5-FLUORO-1-(2-FLUOROBENZYL)-1H-PYRAZOLO[3,4-B]PYRIDIN-3-YL]PYRIMIDIN-5-YL}CARBAMATE
[54] PROCEDE DE PREPARATION DU {4,6-DIAMINO-2-[5-FLUORO-1-(2-FLUOROBENZYL)-1H-PYRAZOLO[3,4-B]PYRIDIN-3-YL]PYRIMIDIN-5-YL}CARBAMATE DE METHYLE
[72] FEY, PETER, DE
[72] BREMEYER, NADINE, DE
[72] LONGERICH, MARKUS, DE
[72] FRENZEL, THOMAS, DE
[72] FABER, HELENE, DE
[72] SOWA, MICHAL, DE
[72] BROCKOB, JOERG, DE
[72] BECKER, GUIDO, DE
[72] NEUMANN, HEIKE, DE
[71] ADVERIO PHARMA GMBH, DE
[85] 2022-12-13
[86] 2021-06-15 (PCT/EP2021/066019)
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[30] EP (20180229.5) 2020-06-16

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[51] Int.Cl. A61K 39/12 (2006.01) C07K 14/005 (2006.01) C07K 14/165 (2006.01)
[25] EN
[54] STABILIZED CORONA VIRUS SPIKE PROTEIN FUSION PROTEINS
[54] PROTEINES DE SPICULE DE CORONAVIRUS STABILISEES A TITRE DE PROTEINES DE FUSION
[72] LANGEDIJK, JOHANNES PETRUS MARIA, NL
[72] RUTTEN, LUCY, NL
[72] JURASZEK, JAROSLAW, NL
[71] JANSSEN PHARMACEUTICALS, INC., US
[85] 2022-12-13
[86] 2021-07-05 (PCT/EP2021/068505)
[87] (WO2022/008438)
[30] US (62/705,584) 2020-07-06

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[51] Int.Cl. C12N 7/00 (2006.01)
[25] EN
[54] PROCESS FOR PRODUCING A PURIFIED RHABDOVIRUS FROM CELL CULTURE
[54] PROCEDE DE PRODUCTION D'UN RHABDOVIRUS PURIFIE A PARTIR D'UNE CULTURE CELLULAIRE
[72] MUELLER, DETHARDT, DE
[72] GARCIA, ALAN PARDO, DE
[72] GREIN, TANJA ANNELIESE, DE
[72] KAESS, FRIEDRICH, DE
[72] NG, JUDY, DE
[72] PESTA, KATHARINA, DE
[72] SCHNEIDER, SABRINA, DE
[72] TURNBULL, JORDAN, DE
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[85] 2022-12-13
[86] 2021-07-09 (PCT/EP2021/069091)
[87] (WO2022/008700)
[30] EP (20185118.5) 2020-07-10

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[25] EN
[54] ANTI-INFLAMMATORY AND SENOLYTIC DENTAL CARE PRODUCT WITH TOOTH WHITENING CHARACTERISTICS
[54] PRODUIT DE SOIN DENTAIRE ANTI-INFLAMMATOIRE ET SENOLYTIQUE AYANT DES CARACTERISTIQUES DE BLANCHIMENT DES DENTS
[72] HUG, MICHAEL, CH
[72] ABIVARDI BRONNER, HALEH, CH
[72] ABIVARDI SIGNER, GOLNAR, CH
[72] LYSEK, DOMINIKUS AMADEUS, CH
[71] VVARDIS AG, CH
[85] 2022-12-13
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 - [71] ARGORNA PHARMACEUTICALS CO., LTD., CN
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- [54] PROTEINES DE RSV ET DE CORONAVIRUS CHIMERIQUES, COMPOSITIONS IMMUNOGENES ET PROCEDES D'UTILISATION
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- [71] THOMSON REUTERS ENTERPRISE CENTRE GMBH, CH
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 - [72] WONG, STEVE GOOD-SUNG, CA
 - [72] JANSEN VAN VUUREN, HENDRIK JURGENS, CA
 - [71] MELIO PEPTIDE SYSTEMS INC., CA
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- [72] FOX, BRIAN M., US
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 - [72] SUN, HUANQUAN, CN
 - [72] WANG, GUANGFU, CN
 - [72] HU, BO, CN
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 - [72] SUN, JIANFANG, CN
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 - [54] COMPOSITIONS ET METHODES POUR FAVORISER LA VIABILITE DES ILOTS ET AMELIORER LA SECRETION D'INSULINE
 - [72] LAURIE, GORDON W., US
 - [72] BRAYMAN, KENNETH, US
 - [72] CHHABRA, PREETI, US
 - [72] MA, MINGYANG, US
 - [72] TEIXEIRA, KARINA, US
 - [72] GADEK, THOMAS R., US
 - [71] UNIVERSITY OF VIRGINIA PATENT FOUNDATION, US
 - [71] TEARSOLUTIONS, INC., US
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 - [72] GOLDBERG, MICHAEL SOLOMON, US
 - [72] KONOWICZ, PAUL ADAM, US
 - [72] CHEN, IVY XIAOYU, US
 - [71] SURGE THERAPEUTICS, INC., US
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- [72] XIA, HONGXIA, CN
- [72] WANG, QIANG, CN
- [72] GUO, CHAO, CN
- [72] JING, HONGCHUAN, CN
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- [71] TORAY INTERNATIONAL (CHINA) CO., LTD., CN
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- [72] BERNER, BRETT, US
- [72] NARAYAN, PADMA, US
- [72] CHEN, XIAOXIA, US
- [72] STUTZMAN, TODD ANTHONY, US
- [72] MENG, JIANING, US
- [72] WILKERSON, CAROLYN, US
- [72] JAIN, RAJ RAMNIK, US
- [71] SAGE THERAPEUTICS, INC., US
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- [54] PANSEMENT POUR IV A CAPTEURS INTEGRES POUR MESURER L'INFILTRATION DE FLUIDE ET DES PARAMETRES PHYSIOLOGIQUES
- [72] BANET, MATTHEW, US
- [72] DHILLON, MARK, US
- [72] TANG, ERIK, US
- [72] DHILLON, MARSHAL, US
- [72] MCCANNA, JAMES, US
- [72] ELESWARPU, CHETHANYA, US
- [72] MARTUCCI, JAMES P., US
- [72] BIVANS, MATTHEW A., US
- [72] BUCKINGHAM, JUSTIN, US
- [72] CEISEL, AHREN, US
- [72] NEEDHAM, MICHAEL, US
- [72] HAYWARD, LAUREN, US
- [71] BAXTER INTERNATIONAL INC., US
- [71] BAXTER HEALTHCARE SA, CH
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- [54] PROTEINES DE LIAISON RECONNAISSANT DES ANTIGENES SARS-COV-2 ET LEURS UTILISATIONS
- [72] KULA, TOMASZ, US
- [72] MACBEATH, GAVIN, US
- [72] FERRETTI, ANDREW P., US
- [72] WANG, YIFAN, US
- [71] TSCAN THERAPEUTICS, INC., US
- [71] AHS HOSPITAL CORP., US
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- [54] PROCEDES, DISPOSITIFS ET SYSTEMES DE GESTION DE COURANT DE FUITE
- [72] SMITH, MARK F., US
- [72] KARNAUK, ILIA, US
- [72] ZOGLIO, ERIC, US
- [71] NXSTAGE MEDICAL, INC., US
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- [54] COMPOSITIONS DE LNP COMPRENANT DES AGENTS THERAPEUTIQUES A BASE D'ARNM A DEMI-VIE PROLONGEE
- [72] REID, DAVID, US
- [72] JAIN, RUCHI, US
- [72] BICKNELL, ALICIA, US
- [72] KOHRER, CAROLINE, US
- [71] MODERNATX, INC., US
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- [87] (WO2021/262909)
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- [72] KOTWAL, VAIBHAV, IN
- [72] DESHPANDE, SWAPNIL, IN
- [72] YADAV, KARTIK, IN
- [72] GAWADE, TUSHAR, IN
- [72] NIKHIL, SULE, IN
- [72] SHARIQ, AHMAD, US
- [71] MORNINGSTAR INC., US
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- [72] KOLESKY, DAVID BARRY, US
- [72] REEVES, ANALISE ZAUNBRECHER, US
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- [71] FLAGSHIP PIONEERING INNOVATIONS VI, LLC, US
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- [54] TOURELLE AVEC BUTEE ZERO
- [72] CAMPBELL, RICK, US
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- [71] SHELTERED WINGS, INC. D/B/A VORTEX OPTICS, US
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- [54] APPAREILS DE CARTOGRAPHIE DE CELLULES PAR L'INTERMEDIAIRE DE MESURES D'IMPEDANCE ET LEURS PROCEDES DE FONCTIONNEMENT
- [72] HAM, DONHEE, US
- [72] ABBOTT, JEFFREY T., US
- [72] WU, WENXUAN, US
- [72] YE, TIANYANG, US
- [72] JUNG, HAN SAE, US
- [72] PARK, HONGKUN, US
- [71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
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- [54] APPAREIL A PUITS MULTIPLES A SEMI-CONDUCTEUR COMPLEMENTAIRE A L'OXYDE DE METAL (CMOS) POUR EVALUATION DE CELLULE ELECTRIQUE
- [72] HAM, DONHEE, US
- [72] WU, WENXUAN, US
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- [72] HINTON, HENRY JULIAN, US
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- [72] GREWAL, IQBAL S., US
- [72] GANESAN, RAJKUMAR, US
- [72] SINGH, SANJAYA, US
- [71] JANSEN BIOTECH, INC., US
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- [87] (WO2021/257679)
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- [72] SCHLAMM, HARAN, US
- [72] HODGES, MICHAEL R., US
- [71] AMPLYX PHARMACEUTICALS, INC., US
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- [87] (WO2021/257670)
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- [54] SYSTEME ET PROCEDE POUR UN ENCLENCHEMENT DE PISTON DE SERINGUE AVEC UN INJECTEUR
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- [72] DEDIG, JAMES, US
- [72] TAHERI, SHAHAB, DE
- [72] SRIVASTAVA, ABHINAV, US
- [72] TUCKER, BARRY, US
- [72] SWANTNER, MICHAEL, US
- [72] CAPONE, CHRISTOPHER, US
- [72] WLODARCZYK, JAROSLAW, US
- [72] OSAN, ANDREW, US
- [71] BAYER HEALTHCARE LLC, US
- [85] 2022-12-14
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 - [54] CODAGE VIDEO EVOLUTIF EN FREQUENCE D'IMAGES
 - [72] ATKINS, ROBIN, US
 - [72] YIN, PENG, US
 - [72] LU, TAORAN, US
 - [72] PU, FANGJUN, US
 - [72] MCCARTHY, SEAN THOMAS, US
 - [72] HUSAK, WALTER J., US
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 - [72] SU, GUAN-MING, US
 - [71] DOLBY LABORATORIES LICENSING CORPORATION, US
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- [25] EN
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- [54] ANTICORPS SE LIANT A DES CELLULES CANCEREUSES ET CIBLANT CES CELLULES AVEC DES RADIONUCLEIDES
- [72] HAAS, ALEXANDER, DE
- [72] IMHOF-JUNG, SABINE, DE
- [72] KLEIN, CHRISTIAN, CH
- [72] FROST, SOFIA, CH
- [71] F. HOFFMANN-LA ROCHE AG, CH
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 - [54] METHODS FOR THE DIAGNOSIS AND TREATMENT OF BIOFILM-RELATED INFECTIONS
 - [54] PROCEDES POUR LE DIAGNOSTIC ET LE TRAITEMENT D'INFECTIONS ASSOCIEES A UN BIOFILM
 - [72] ERICKSON, STEPHEN, US
 - [72] GIL, JOSE, US
 - [72] BROWN, MATTHEW, US
 - [71] LABORATORY CORPORATION OF AMERICA HOLDINGS, US
 - [85] 2022-12-14
 - [86] 2021-06-15 (PCT/US2021/037415)
 - [87] (WO2021/257551)
 - [30] US (63/039,146) 2020-06-15
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- [25] EN
 - [54] ANTI-PROTEIN S SINGLE-DOMAIN ANTIBODIES AND POLYPEPTIDES COMPRISING THEREOF
 - [54] ANTICORPS A DOMAINE UNIQUE ANTI-PROTEINE S ET POLYPEPTIDES LES COMPRENANT
 - [72] SALLER, FRANCOIS, FR
 - [72] DENIS, CECILE, FR
 - [72] BORGEL, DELPHINE, FR
 - [72] ADAM, FREDERIC, FR
 - [72] CHRISTOPHE, OLIVIER, FR
 - [72] LENTING, PETER, FR
 - [71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
 - [71] ASSISTANCE PUBLIQUE-HOPITAUX DE PARIS (APHP), FR
 - [71] UNIVERSITE PARIS-SARCLAY, FR
 - [85] 2022-12-15
 - [86] 2021-06-28 (PCT/EP2021/067746)
 - [87] (WO2022/002880)
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 - [25] EN
 - [54] METHOD FOR MAPPING PUSCH SIGNAL, TERMINAL, AND NETWORK-SIDE DEVICE
 - [54] PROCEDE DE MAPPAGE DE SIGNAL PUSCH, TERMINAL ET DISPOSITIF COTE RESEAU
 - [72] LI, NA, CN
 - [72] LI, GEN, CN
 - [71] VIVO MOBILE COMMUNICATION CO., LTD., CN
 - [85] 2022-12-14
 - [86] 2021-07-01 (PCT/CN2021/104005)
 - [87] (WO2022/002199)
 - [30] CN (202010634269.0) 2020-07-02
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 - [54] SABOT
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 - [72] ARZT, KONSTANTIN, DE
 - [72] GOWIN, MICHAEL, DE
 - [72] KELLER, ULRICH, DE
 - [71] RHEINMETALL WAFFE MUNITION GMBH, DE
 - [85] 2022-12-14
 - [86] 2021-06-02 (PCT/EP2021/064791)
 - [87] (WO2021/254778)
 - [30] DE (10 2020 115 703.7) 2020-06-15
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- [25] EN
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 - [54] SYSTEME D'INHALATEUR
 - [72] ZUR, AMIR, US
 - [72] LIU, XINYU, US
 - [72] MILTON-EDWARDS, MARK, GB
 - [71] NORTON (WATERFORD) LIMITED, IE
 - [85] 2022-12-15
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 - [87] (WO2021/255202)
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 - [25] EN
 - [54] INHALER SYSTEM
 - [54] SYSTEME D'INHALATEURS
 - [72] LIU, XINYU, US
 - [72] MEOLA, JENNA-LEIGH, US
 - [72] GOLDBERG, CODY, US
 - [72] KIM, JINN, US
 - [72] MISHRA, SUNIL KUMAR, US
 - [72] BEN-ANAT, VERED, US
 - [71] NORTON (WATERFORD) LIMTED, IE
 - [85] 2022-12-15
 - [86] 2021-06-17 (PCT/EP2021/066491)
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- [54] VACCIN A ARN CONTRE LE SARS-COV-2 A AUTO-AMPLIFICATION
- [72] SAHU, ITISHRI, BE
- [72] HAQUE A K M, ASHIQUL, BE
- [72] MC CAFFERTY, SEAN, BE
- [72] CARDON, CHRISTIAAN, BE
- [72] SANDERS, NIEK, BE
- [71] ZIPIHIUS VACCINES, BE
- [85] 2022-12-14
- [86] 2021-06-18 (PCT/EP2021/066679)
- [87] (WO2021/255270)
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 - [25] EN
 - [54] COMPOSITION FOR USE IN AGRICULTURE
 - [54] COMPOSITION DESTINEE A ETRE UTILISEE EN AGRICULTURE
 - [72] ULRICH, JULIA, DE
 - [72] TARVER, MATTHEW, US
 - [72] TAYLOR, MILES, GB
 - [72] RUIZ, MARTA, ES
 - [71] BAYER AKTIENGESELLSCHAFT, DE
 - [85] 2022-12-15
 - [86] 2021-06-16 (PCT/EP2021/066294)
 - [87] (WO2021/255118)
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- [25] EN
- [54] PACKAGING FILMS WITH ANTI-FOGGING AGENT
- [54] FILMS D'EMBALLAGE AVEC AGENT ANTIBUEE
- [72] AIANI, MARIANGELA, IT
- [72] BASTIOLI, CATIA, IT
- [72] COMAZZI, PAOLA, IT
- [72] GESTI GARCIA, SEBASTIA, IT
- [72] MILIZIA, TIZIANA, IT
- [72] RUSSO, CLAUDIO, IT
- [71] NOVAMONT S.P.A., IT
- [85] 2022-12-14
- [86] 2021-06-23 (PCT/EP2021/067193)
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 - [25] EN
 - [54] USE OF AN ORGANO-MINERAL COMPOSITION VIA FOLIAR APPLICATION TO STIMULATE PLANT DEVELOPMENT IN THE PRESENCE OF AT LEAST ONE ABIOTIC STRESS OR BIOTIC STRESS
 - [54] UTILISATION D'UNE COMPOSITION ORGANO-MINERALE PAR APPLICATION FOLIAIRE POUR STIMULER LE DEVELOPPEMENT DES PLANTES EN PRESENCE D'AU MOINS UN STRESS ABIOTIQUE OU D'UN STRESS BIOTIQUE
 - [72] DARIDON, BRUNO, FR
 - [72] LEVERGE, CLEMENT, FR
 - [72] AUDIER, THIERRY, FR
 - [72] NYVALL-COLLEN, PI, FR
 - [71] OLMIX, FR
 - [85] 2022-12-15
 - [86] 2021-06-16 (PCT/EP2021/066251)
 - [87] (WO2021/259731)
 - [30] FR (FR2006760) 2020-06-26
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- [54] DERIVES DE 3-(PYRIDAZIN-4-YL)-5,6-DIHYDRO-4H-1,2,4-OXADIAZINE UTILISES COMME FUNGICIDES POUR LA PROTECTION DES CULTURES
- [72] GEIST, JULIE, FR
- [72] MONTAGNE, CYRIL, FR
- [72] NICOLAS, LIONEL, FR
- [72] TSUCHIYA, TOMOKI, FR
- [72] THOMAS, VINCENT, FR
- [72] LOQUE, DOMINIQUE, CH
- [71] BAYER AKTIENGESELLSCHAFT, DE
- [85] 2022-12-15
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- [87] (WO2021/255071)
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[25] EN
[54] ACTIVE COMPOUND
COMBINATIONS
[54] COMBINAISONS DE COMPOSES
ACTIFS
[72] KLUKEN, AGOSTINOS MICHAEL,
DE
[72] GEIST, JULIE, FR
[72] MONTAGNE, CYRIL, FR
[72] MILLET, ANTHONY, FR
[72] NICOLAS, LIONEL, FR
[72] TSUCHIYA, TOMOKI, FR
[71] BAYER AKTIENGESELLSCHAFT,
DE
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[87] (WO2021/255070)
[30] EP (20180707.0) 2020-06-18

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[25] EN
[54] COMPOUNDS FOR USE IN
DIAGNOSIS AND/OR
MONITORING OF FIBROSIS
[54] COMPOSES DESTINES A ETRE
UTILISES DANS LE DIAGNOSTIC
ET/OU LA SURVEILLANCE DE LA
FIBROSE
[72] ERIKSSON, OLOF, SE
[72] KORSGREN, OLOV, SE
[72] WESTERLUND, CHRISTER, SE
[72] WAGNER, MICHAEL, SE
[71] ANTAROS TRACER AB, SE
[85] 2022-12-14
[86] 2021-06-28 (PCT/EP2021/067653)
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[30] SE (2050786-9) 2020-06-29

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[25] EN
[54] CONNECTING DEVICE
[54] DISPOSITIF DE RACCORDEMENT
[72] LIPPHARDT, TOBIAS, DE
[72] SIEBER, JURGEN, DE
[71] REHAU INDUSTRIES SE & CO. KG,
DE
[85] 2022-12-14
[86] 2021-07-05 (PCT/EP2021/068495)
[87] (WO2022/012990)
[30] DE (20 2020 104 140.1) 2020-07-17

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[25] EN
[54] METHODS AND COMPOSITIONS
FOR THE TREATMENT OF
MUSCULAR DYSTROPHY
[54] METHODES ET COMPOSITIONS
POUR LE TRAITEMENT DE LA
DYSTROPHIE MUSCULAIRE
[72] BROWN, DAVID, US
[72] CARR, JIM, MC
[72] KEEFE, DENNIS, US
[71] STEALTH BIOTHERAPEUTICS INC.,
US
[85] 2022-12-15
[86] 2021-06-16 (PCT/US2021/037581)
[87] (WO2021/257673)
[30] US (63/040,185) 2020-06-17

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[51] Int.Cl. B27D 1/00 (2006.01) B27D 1/10
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[25] EN
[54] DEVICE AND METHOD FOR
PRODUCING AN ADHESIVE
THREAD AND FOR CONNECTING
WORKPIECES USING THE
ADHESIVE THREAD
[54] DISPOSITIF ET PROCEDE DE
PRODUCTION D'UN FIL ADHESIF
ET DE LIAISON DE PIECES A
L'AIDE DU FIL ADHESIF
[72] KESPOHL, HANS WERNER, DE
[72] HAGENHOFF, HEINZ GEORG, DE
[72] LAUMEIER, REINHOLD, DE
[71] HEINRICH KUPER GMBH, DE
[85] 2022-12-14
[86] 2021-07-21 (PCT/EP2021/070346)
[87] (WO2022/018120)
[30] DE (10 2020 119 187.1) 2020-07-21

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[25] EN
[54] ELECTRO-OPTICAL APPARATUS,
SEMICONDUCTOR APPARATUS
AND SEMICONDUCTOR DEVICE,
ELECTRO-OPTICAL
ARRANGEMENT AND USE
[54] APPAREIL ELECTRO-OPTIQUE,
APPAREIL A SEMI-
CONDUCTEUR ET DISPOSITIF A
SEMI-CONDUCTEUR,
AGENCEMENT ELECTRO-
OPTIQUE ET UTILISATION
[72] SCHALL, DANIEL, DE
[72] SUCKOW, STEPHAN, DE
[71] GESELLSCHAFT FUR
ANGEWANDTE MIKRO- UND
OPTOELEKTRONIK MIT
BESCHRANKTER HAFTUNG - AMO
GMBH, DE
[85] 2022-12-14
[86] 2021-07-28 (PCT/EP2021/071123)
[87] (WO2022/023407)
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 - [25] EN
 - [54] USE OF OXYGENATED CHOLESTEROL SULFATES FOR TREATING AUTOIMMUNE CONDITIONS
 - [54] UTILISATION DE CHOLESTÉROL-SULFATES OXYGÉNÉS POUR LE TRAITEMENT D'AFFECTIONS AUTO-IMMUNES
 - [72] REN, SHUNLIN, US
 - [72] WANG, YAPING, US
 - [72] LIN, WEIQI, US
 - [71] DURECT CORPORATION, US
 - [71] VIRGINIA COMMONWEALTH UNIVERSITY, US
 - [71] THE UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS, US
 - [85] 2022-12-15
 - [86] 2021-06-25 (PCT/US2021/039203)
 - [87] (WO2021/263177)
 - [30] US (63/044,631) 2020-06-26
 - [30] US (63/127,905) 2020-12-18
 - [30] US (63/141,382) 2021-01-25
 - [30] US (63/146,559) 2021-02-05
 - [30] US (63/146,563) 2021-02-05
 - [30] US (63/146,565) 2021-02-05
 - [30] US (63/146,566) 2021-02-05
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- [25] EN
- [54] TRIGGER ASSEMBLY FOR A FIREARM
- [54] DISPOSITIF DE DETENTE POUR UNE ARME A FEU PORTATIVE
- [72] DECHANT, FRIEDRICH, AT
- [72] OPPENAUER, LEOPOLD, AT
- [72] STERN, THOMAS, AT
- [72] ZOCH, ERICH, AT
- [71] GLOCK TECHNOLOGY GMBH, AT
- [85] 2022-12-16
- [86] 2022-05-27 (PCT/EP2022/064390)
- [87] (WO2022/253698)
- [30] EP (21177171.2) 2021-06-01

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 - [25] EN
 - [54] METHOD FOR DEGRADATION OF A PLASTIC-CONTAINING WASTE
 - [54] PROCÉDÉ DE DEGRADATION DE DÉCHETS CONTENANT DU PLASTIQUE
 - [72] WIELINGA, EDUARD, NL
 - [72] KREHER, SERVAN, NL
 - [71] ECO-HABITAT B.V., NL
 - [85] 2022-12-16
 - [86] 2021-07-27 (PCT/EP2021/071037)
 - [87] (WO2022/023360)
 - [30] EP (20188192.7) 2020-07-28
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- [25] EN
- [54] SYSTEM, METHOD, AND COMPOSITION FOR GEOTHERMAL HEAT HARVEST
- [54] SYSTÈME, PROCÉDÉ ET COMPOSITION POUR EXTRACTION DE CHALEUR GEOTHERMIQUE
- [72] COOK, ROBERT LANCE, US
- [72] RING, LEV M., US
- [71] SAGE GEOSYSTEMS INC., US
- [85] 2022-12-15
- [86] 2021-06-17 (PCT/US2021/037965)
- [87] (WO2021/257923)
- [30] US (63/040,316) 2020-06-17
- [30] US (63/051,364) 2020-07-13

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 - [25] EN
 - [54] SPRAY MODULE AND DEVICE AND METHOD FOR FIGHTING A VEGETATION FIRE
 - [54] MODULE DE PULVERISATION ET DISPOSITIF ET PROCÉDÉ DE LUTTE CONTRE UN FEU DE VEGETATION
 - [72] HOFMANN, MARTIN PETER, CH
 - [72] ZENZ, DAVID JOHANNES REINHARD, DE
 - [71] HOZE SOLUTIONS GMBH, DE
 - [85] 2022-12-16
 - [86] 2021-07-20 (PCT/EP2021/070270)
 - [87] (WO2022/023124)
 - [30] DE (10 2020 119 754.3) 2020-07-27
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- [25] EN
- [54] EXTRACELLULAR VESICLES WITH IMMUNE MODULATORS
- [54] VESICULES EXTRACELLULAIRES A MODULATEURS IMMUNS
- [72] WINSLOW, GENINE, US
- [71] CHAMELEON BIOSCIENCES, INC., US
- [85] 2022-12-15
- [86] 2021-06-23 (PCT/US2021/038739)
- [87] (WO2021/262879)
- [30] US (63/043,587) 2020-06-24

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 - [25] EN
 - [54] VISCOSITY REDUCING EXCIPIENTS AND COMBINATIONS THEREOF FOR HIGHLY CONCENTRATED PROTEIN FORMULATIONS
 - [54] EXCIPIENTS REDUCTEURS DE VISCOSITE ET LEURS COMBINAISONS POUR FORMULATIONS DE PROTEINES HAUTEMENT CONCENTREES
 - [72] ROSENKRANZ, TOBIAS, DE
 - [72] BRAUN, STEFAN, DE
 - [71] MERCK PATENT GMBH, DE
 - [85] 2022-12-16
 - [86] 2021-07-12 (PCT/EP2021/069374)
 - [87] (WO2022/013171)
 - [30] EP (20185558.2) 2020-07-13
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- [25] EN
- [54] CHEMICAL CLASSIFICATION SYSTEM AND METHOD FOR PLANTS
- [54] SYSTEME ET PROCEDE DE CLASSIFICATION CHIMIQUE POUR PLANTES
- [72] BLANK, THOMAS, US
- [72] GAUDINO, REGGIE, US
- [71] STEEP HILL, INC., US
- [85] 2022-12-16
- [86] 2021-06-17 (PCT/US2021/037896)
- [87] (WO2021/257875)
- [30] US (63/040,708) 2020-06-18

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 - [25] EN
 - [54] READY-TO-USE PROBIOTIC COMPOSITIONS AND USES THEREOF
 - [54] COMPOSITIONS PROBIOTIQUES PRETES A L'EMPLOI ET LEURS UTILISATIONS
 - [72] ROBB, EDWARD, US
 - [72] STRAFEHL, RICHARD, CA
 - [72] NONAY, JEFF, CA
 - [71] HEALTHY COW CORPORATION, CA
 - [85] 2022-12-16
 - [86] 2021-06-18 (PCT/US2021/038029)
 - [87] (WO2021/257953)
 - [30] US (63/041,277) 2020-06-19
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- [25] EN
- [54] EVALUATION OF ROCK PHYSICAL PROPERTIES FROM DRILL SOUNDS THROUGH MINIMIZING THE EFFECT OF THE DRILL BIT ROTATION
- [54] EVALUATION DE PROPRIETES PHYSIQUES DE ROCHE A PARTIR DE SONS DE FORAGE PAR LA REDUCTION A UN MINIMUM DE L'EFFET DE LA ROTATION DE TREPAN
- [72] YANG, YUNLAI, SA
- [72] LI, WEI, CN
- [72] ALMARHOON, MAHER I., SA
- [72] ALMALKI, FAHD A., SA
- [71] SAUDI ARABIAN OIL COMPANY, SA
- [85] 2022-12-16
- [86] 2021-06-10 (PCT/US2021/036846)
- [87] (WO2021/257378)
- [30] US (16/902,622) 2020-06-16

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 - [25] EN
 - [54] INTERACTIVE VENDING MACHINE
 - [54] DISTRIBUTEUR AUTOMATIQUE INTERACTIF
 - [72] JAFA, EMAD, US
 - [72] LAU, CHEUK CHI, US
 - [72] LI, XUEJUN, US
 - [72] LING, DARREN, US
 - [72] YANG, BERNARD, US
 - [71] PEPSICO, INC., US
 - [85] 2022-12-16
 - [86] 2021-06-10 (PCT/US2021/036787)
 - [87] (WO2021/262445)
 - [30] US (16/907,933) 2020-06-22
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[13] A1

- [51] Int.Cl. G05B 19/19 (2006.01) H02K 11/215 (2016.01) H02K 41/03 (2006.01)
- [25] EN
- [54] METHOD FOR OPERATING A PLANAR DRIVE SYSTEM, AND PLANAR DRIVE SYSTEM
- [54] PROCEDE DESTINE A FAIRE FONCTIONNER UN SYSTEME D'ENTRAINEMENT PLAN, ET SYSTEME D'ENTRAINEMENT PLAN ASSOCIE
- [72] BENTFELD, LUKAS, DE
- [71] BECKHOFF AUTOMATION GMBH, DE
- [85] 2022-12-16
- [86] 2021-06-15 (PCT/EP2021/066059)
- [87] (WO2021/255001)
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[25] EN

[54] **HMS PP FOAM SHEET WITH
GOOD COMPRESSIVE
STRENGTH AND
RECOVERABILITY**
[54] **FEUILLE EXPANSEE EN HMS PP
PRESENTANT UNE BONNE
RESISTANCE A LA
COMPRESSION ET UNE BONNE
APTITUDE A LA RECUPERATION**

[72] TYNYS, ANTTI, AT

[72] REICHELT, NORBERT, AT

[72] LIN, YI AN, TW

[71] BOREALIS AG, AT

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[54] FLOOR JACK LOCKOUT ASSEMBLY
[54] ENSEMBLE DE VERROUILLAGE DU VERIN DE PLANCHER
[72] ANDERSEN, JONATHAN I., US
[72] RETTLER, JAMES T., US
[72] SCHULZ, BENJAMIN T., US
[71] SNAP-ON INCORPORATED, US
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[51] Int.Cl. A61F 2/24 (2006.01)
[25] EN
[54] REPLACEMENT HEART VALVES AND THEIR METHODS OF USE AND MANUFACTURE
[54] VALVULES CARDIAQUES DE REMPLACEMENT, ET LEURS PROCEDES D'UTILISATION ET DE FABRICATION
[72] BEITH, JASON G., US
[71] FOLDAX, INC., US
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[25] EN
[54] TISSUE-INTEGRATING SENSORS
[54] CAPTEURS D'INTEGRATION DE TISSU
[72] WISNIEWSKI, NATALIE ANN, US
[72] HELTON, KRISTEN, US
[72] MCMILLAN, WILLIAM A., US
[71] PROFUSA, INC., US
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[51] Int.Cl. B01J 45/00 (2006.01) B01J 13/14 (2006.01)
[25] EN
[54] ION EXCHANGE RESINS SELECTIVE FOR THE COMPLEXATION OF UNIVALENT ANIONS IN AQUEOUS SOLUTIONS
[54] RESINES ECHANGEUSES D'IONS SELECTIVES POUR LA COMPLEXATION D'ANIONS MONOVALENTS DANS DES SOLUTIONS AQUEUSES
[72] MURRAY, GEORGE M., US
[71] TECHSOURCE, INC., US
[22] 2016-06-02
[41] 2016-12-08
[62] 3,026,220
[30] US (62/169,630) 2015-06-02

[21] 3,184,805
[13] A1
[25] EN
[54] BIOMOLECULE CONJUGATES
[54] CONJUGUES DE BIOMOLECULE
[72] SCHWARTZ, ERIC, US
[72] D'AGOSTINO, LAURA AKULLIAN, US
[72] CUERVO, HERNAN, US
[72] AUSTIN, WESLEY, US
[71] CELGENE CORPORATION, US
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[41] 2016-06-09
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[51] Int.Cl. A61H 9/00 (2006.01) A61B 5/103 (2006.01) A61H 21/00 (2006.01) A61H 99/00 (2006.01)
[25] EN
[54] AN ENHANCED THERAPEUTIC STIMULUS SYSTEM AND METHODS OF USE
[54] SYSTEME DE STIMULATION THERAPEUTIQUE AMELIORE ET PROCEDES D'UTILISATION CORRESPONDANTS
[72] BARLOW, STEVEN M., US
[72] STALLING, DAVID L., US
[72] ARON, KENNETH, US
[71] INNARA HEALTH, INC., US
[71] UNIVERSITY OF KANSAS, US
[22] 2013-04-26
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<p>[21] 3,185,207 [13] A1</p> <p>[25] EN</p> <p>[54] IMAGE ENCODING/DECODING METHOD AND DEVICE</p> <p>[54] PROCEDE ET DISPOSITIF DE CODAGE/DECODAGE D'IMAGE</p> <p>[72] KIM, KI BAEK, KR</p> <p>[71] B1 INSTITUTE OF IMAGE TECHNOLOGY, INC., KR</p> <p>[22] 2019-03-25</p> <p>[41] 2019-10-03</p> <p>[62] 3,095,124</p> <p>[30] KR (10-2018-0034174) 2018-03-25</p> <p>[30] KR (10-2018-0034882) 2018-03-27</p> <p>[30] KR (10-2018-0085679) 2018-07-24</p>	<p>[21] 3,185,756 [13] A1</p> <p>[51] Int.Cl. C12N 9/64 (2006.01) A61K 38/48 (2006.01) A61P 7/00 (2006.01) A61P 7/04 (2006.01) C12P 21/00 (2006.01)</p> <p>[25] EN</p> <p>[54] SHORT-ACTING FACTOR VII POLYPEPTIDES</p> <p>[54] POLYPEPTIDES DE FACTEUR VII A COURTE ACTION</p> <p>[72] BAUZON, MAXINE, US</p> <p>[72] HERMISTON, TERRY, US</p> <p>[71] COAGULANT THERAPEUTICS CORPORATION, KR</p> <p>[22] 2013-12-23</p> <p>[41] 2014-07-03</p> <p>[62] 2,896,057</p> <p>[30] US (61/745,674) 2012-12-24</p> <p>[30] US (61/787,026) 2013-03-15</p>	<p>[21] 3,185,857 [13] A1</p> <p>[25] EN</p> <p>[54] ELECTRICAL DEVICE WITH POWER QUALITY EVENT PROTECTION AND ASSOCIATED METHOD</p> <p>[54] APPAREIL ELECTRIQUE DOTE D'UNE PROTECTION CONTRE LES EVENEMENTS LIES A LA QUALITE DE L'ALIMENTATION ET METHODE CONNEXE</p> <p>[72] LUEBKE, CHARLES JOHN, US</p> <p>[72] PAHL, BIRGER, US</p> <p>[72] SCHMALZ, STEVEN CHRISTOPHER, US</p> <p>[71] EATON INTELLIGENT POWER LIMITED, IE</p> <p>[22] 2015-11-09</p> <p>[41] 2016-06-15</p> <p>[62] 2,911,740</p> <p>[30] US (14/570,036) 2014-12-15</p>
<p>[21] 3,185,238 [13] A1</p> <p>[25] EN</p> <p>[54] SEQUENCED CHAMBER WAVE GENERATOR CONTROLLER AND METHOD</p> <p>[54] CONTROLEUR ET PROCEDE DE GENERATION SEQUENCEE DE VAGUES DANS UNE ENCEINTE</p> <p>[72] MCFARLAND, BRUCE, US</p> <p>[71] AMERICAN WAVE MACHINES, INC., US</p> <p>[22] 2013-08-23</p> <p>[41] 2014-05-01</p> <p>[62] 2,825,739</p> <p>[30] US (61/721,304) 2012-11-01</p>		

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- [54] INSULATED REINFORCED DOOR PANEL AND DOOR FRAME WITH THERMAL BREAK
- [54] PANNEAU DE PORTE RENFORCE ET ISOLE ET CADRE DE PORTE A RESISTANCE THERMIQUE
- [72] BOBBY, NEAL STRICKLAND, US
- [72] BADGETT, JEFFREY R., US
- [72] STEWART, CHARLES PRENTICE, US
- [72] CHILDERS, DALE R., US
- [72] HUGHES, VINCE A., US
- [71] AADG, INC., US
- [22] 2017-07-28
- [41] 2018-02-08
- [62] 3,026,509
- [30] US (62/370,976) 2016-08-04
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[13] A1

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- [25] EN
- [54] PORTABLE AND DISPOSABLE FAR-UVC DEVICE
- [54] DISPOSITIF PORTATIF ET JETABLE A UVC LOINTAIN
- [72] ROSEN, JENNIFER K., US
- [72] FEENEY, BENJAMIN X., US
- [71] FREESTYLE PARTNERS, LLC, US
- [22] 2019-02-19
- [41] 2019-08-29
- [62] 3,091,264
- [30] US (62/632,716) 2018-02-20
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- [51] Int.Cl. A61K 36/886 (2006.01) A61K 31/352 (2006.01) A61K 31/715 (2006.01) A61P 1/16 (2006.01)
- [25] EN
- [54] COMPOSITIONS, METHODS, AND MEDICAL COMPOSITIONS FOR TREATMENT OF AND MAINTAINING THE HEALTH OF THE LIVER
- [54] COMPOSITIONS, METHODES, ET COMPOSITIONS A USAGE MEDICAL DESTINEES A TRAITER LE FOIE ET A LE MAINTENIR EN BONNE SANTE
- [72] JIA, QI, US
- [72] YIMAM, MESFIN, US
- [72] JIAO, PING, US
- [72] HONG, MEI FENG, US
- [72] MOORE, BREANNA, US
- [71] UNIGEN, INC., US
- [22] 2016-07-12
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- [62] 2,991,768
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- [25] EN
- [54] SURGICAL APPARATUS
- [54] APPAREIL CHIRURGICAL
- [72] KIM, DANIEL H., US
- [72] SHIN, DONG SUK, US
- [72] JANG, TAEHO, US
- [72] PARK, YONG MAN, US
- [71] BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
- [22] 2017-02-03
- [41] 2017-08-10
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- [54] DISPOSITIF DE DEMARRAGE DE SECOURS DE BATTERIE RECHARGEABLE DOTE D'UN SYSTEME DE DETECTION DE BATTERIE
- [72] NOOK, JONATHAN LEWIS, US
- [72] NOOK, WILLIAM KNIGHT, US
- [72] STANFIELD, JAMES RICHARD, US
- [72] UNDERHILL, DEREK MICHAEL, US
- [71] THE NOCO COMPANY, US
- [22] 2018-09-20
- [41] 2019-03-28
- [62] 3,076,344
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- [30] US (62/561,850) 2017-09-22
- [30] US (62/562,713) 2017-09-25
- [30] US (62/567,479) 2017-10-03
- [30] US (62/568,044) 2017-10-04
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- [30] US (62/568,967) 2017-10-06
- [30] US (62/569,355) 2017-10-06
- [30] US (PCT/US2018/034902) 2018-05-29
- [30] US (PCT/US2018/035029) 2018-05-30
- [30] US (PCT/US2018/040919) 2018-07-05
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- [25] EN
- [54] EX VIVO ORGAN CARE SYSTEM
- [54] SYSTEME DE SOINS D'ORGANES EX VIVO
- [72] HASSANEIN, WALEED, US
- [72] KHAYAL, TAMER I., US
- [72] ELBETANONY, AHMED, US
- [72] BARNES, JEFF, US
- [72] RITCHIE, GREG, US
- [72] BRINGHAM, RICHARD, US
- [72] ANDERSON, MARK, US
- [72] SULLIVAN, JOHN, US
- [71] TRANSMEDICS, INC., US
- [22] 2015-06-02
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- [62] 2,950,759
- [30] US (62/006,878) 2014-06-02
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- [25] EN
- [54] METHOD AND APPARATUS FOR SKIN STABILIZATION AND POSITIONING
- [54] PROCEDE ET APPAREIL POUR POSITIONNEMENT ET STABILISATION DE LA PEAU
- [72] MANSTEIN, DIETER, US
- [71] THE GENERAL HOSPITAL CORPORATION, US
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- [41] 2011-04-28
- [62] 3,083,027
- [30] US (61/254,061) 2009-10-22

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- [25] EN
- [54] AN ABSORBENT COMPOSITE, AN ABSORBENT ARTICLE EMPLOYING THE SAME, AND METHODS, SYSTEMS, AND APPARATUS FOR MAKING THE ABSORBENT COMPOSITE AND/OR ARTICLE
- [54] COMPOSITE ABSORBANT, ARTICLE ABSORBANT L'UTILISANT, ET PROCEDES, SYSTEMES ET APPAREIL POUR LA FABRICATION DU COMPOSITE ET/OU DE L'ARTICLE ABSORBANT
- [72] WRIGHT, ANDREW, GB
- [72] VARONA, EUGENIO, US
- [72] SMID, ANNE, NL
- [72] SMID, DENNIS, NL
- [71] DSG TECHNOLOGY HOLDINGS LIMITED, VG
- [22] 2014-07-01
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- [62] 2,916,628
- [30] US (61/842,961) 2013-07-03
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- [25] EN
- [54] DNA SEQUENCING USING HYDROGEL BEADS
- [54] SEQUENCAGE D'ADN A L'AIDE DE BILLES D'HYDROGEL
- [72] WU, YIR-SHYUAN, US
- [72] GORPE-YASAR, FILIZ, US
- [72] KHURANA, TARUN KUMAR, US
- [72] POPIC, VICTORIA, US
- [72] JAEGER, ERICH B., US
- [72] RONAGHI, MOSTAFA, US
- [71] ILLUMINA, INC., US
- [22] 2019-02-11
- [41] 2019-08-22
- [62] 3,067,140
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- [25] EN
- [54] EXTENSION LADDER, LADDER COMPONENTS AND RELATED METHODS
- [54] ECHELLES D'EXTENSION, COMPOSANTS D'ECHELLE ET PROCEDES ASSOCIES
- [72] BALLARD, JAY, US
- [72] SMITH, CHRISTIAN, US
- [72] JONAS, GARY, US
- [72] PETERSON, SEAN, US
- [72] RUSSELL, BRIAN, US
- [71] LITTLE GIANT LADDER SYSTEMS, LLC, US
- [22] 2015-11-02
- [41] 2016-05-12
- [62] 2,965,980
- [30] US (62/075,053) 2014-11-04

[21] 3,186,128
[13] A1

- [25] EN
- [54] ANTIGEN-BINDING MOLECULE FOR PROMOTING ELIMINATION OF ANTIGENS
- [54] MOLECULE LIANT UN ANTIGENE SERVANT A PROMOUVOIR L'ELIMINATION DES ANTIGENES
- [72] IGAWA, TOMOYUKI, JP
- [72] MAEDA, ATSUSHI, JP
- [72] HARAYA, KENTA, JP
- [72] IWAYANAGI, YUKI, JP
- [72] TACHIBANA, TATSUHIKO, JP
- [71] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP
- [22] 2012-09-28
- [41] 2013-04-04
- [62] 2,850,194
- [30] JP (2011-217498) 2011-09-30
- [30] JP (PCT/JP2012/054624) 2012-02-24
- [30] JP (2012-185866) 2012-08-24

[21] 3,186,178
[13] A1

- [51] Int.Cl. F22B 1/18 (2006.01)
- [25] EN
- [54] STEAM GENERATOR TOOL
- [54] OUTIL GENERATEUR DE VAPEUR
- [72] THOMPSON, DANIEL, CA
- [72] KAY, BRIAN, CA
- [72] SOPKO, WESLEY, CA
- [72] WIEBE, KEVIN, CA
- [72] DESMARAIS, ADRIEN, CA
- [72] DARY, BRADLEY, CA
- [71] GENERAL ENERGY RECOVERY INC., CA
- [22] 2020-09-22
- [41] 2021-02-18
- [62] 3,147,521
- [30] US (62/885,078) 2019-08-09

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

<p style="text-align: right;">[21] 3,186,185 [13] A1</p> <p>[25] EN [54] POINT OF SALE DEVICE POWER MANAGEMENT AND UNDERVOLTAGE PROTECTION [54] GESTION D'ENERGIE ET PROTECTION CONTRE LES SOUS-TENSIONS DE DISPOSITIF DE POINT DE VENTE [72] DOUTHAT, CORY, US [72] WADE, JEREMY, US [72] MAIBACH, MATTHEW H., US [71] BLOCK, INC., US [22] 2018-04-25 [41] 2018-11-01 [62] 3,059,051 [30] US (15/582,166) 2017-04-28</p> <hr/> <p style="text-align: right;">[21] 3,186,189 [13] A1</p> <p>[51] Int.Cl. A61F 9/00 (2006.01) A61F 2/02 (2006.01) A61M 31/00 (2006.01) A61M 37/00 (2006.01) [25] EN [54] DRUG ELUTING OCULAR IMPLANT [54] IMPLANT OCULAIRE A ELUTION DE MEDICAMENT [72] HAFFNER, DAVID, US [72] CURRY, KEN, US [72] HEITZMANN, HAROLD, US [72] APPLEGATE, DAVID, US [71] DOSE MEDICAL CORPORATION, US [22] 2010-05-18 [41] 2010-11-25 [62] 2,979,355 [30] US (61/264,615) 2009-11-25 [30] US (61/179,332) 2009-05-18 [30] US (61/220,527) 2009-06-25 [30] US (61/264,604) 2009-11-25 [30] US (61/264,594) 2009-11-25</p> <hr/> <p style="text-align: right;">[21] 3,186,195 [13] A1</p> <p>[25] FR [54] WIRING HARNESS PRODUCTION MOUNTING [54] SUPPORT DE PRODUCTION DE HARNAIS DE CABLE [72] ROUGIER, STEPHANE, FR [72] VIAULT, MICHEL, FR [71] LASELEC, FR [22] 2014-05-02 [41] 2014-11-13 [62] 2,910,403 [30] FR (1354149) 2013-05-06</p>	<p style="text-align: right;">[21] 3,186,201 [13] A1</p> <p>[51] Int.Cl. A61L 27/50 (2006.01) A61L 27/14 (2006.01) A61L 27/54 (2006.01) [25] EN [54] SELF-EXPANDABLE MEDICAL DEVICE COMPRISING POLYMERIC STRANDS AND COATINGS THEREON [54] DISPOSITIF MEDICAL AUTODEPLOYABLE COMPORANT DES BRINS ET DES REVETEMENTS POLYMERIQUES [72] BUSOLD, RANY, US [72] CHENG YOU, CHANG, US [72] CONCAGH, DANIEL, US [72] CORE, LEE, US [72] HO, KICHERL, US [72] PALASIS, MARIA, US [72] SHARMA, UPMA, US [72] ZUGATES, GREG, US [71] LYRA THERAPEUTICS, INC., US [22] 2010-05-19 [41] 2010-11-25 [62] 2,762,811 [30] US (61/179,834) 2009-05-20 [30] US (61/227,308) 2009-07-21 [30] US (61/251,984) 2009-10-15</p> <hr/>	<p style="text-align: right;">[21] 3,186,212 [13] A1</p> <p>[25] EN [54] SYSTEMS AND METHODS FOR PROCESSING OBJECTS INCLUDING SPACE EFFICIENT DISTRIBUTION STATIONS AND AUTOMATED OUTPUT PROCESSING [54] SYSTEMES ET PROCEDES DE TRAITEMENT D'OBJETS COMPRENANT DES STATIONS DE DISTRIBUTION EFFICACES DANS L'ESPACE ET UN TRAITEMENT DE SORTIE AUTOMATISE [72] WAGNER, THOMAS, US [72] AHEARN, KEVIN, US [72] AMEND, JOHN RICHARD, US [72] COHEN, BENJAMIN, US [72] DAWSON-HAGGERTY, MICHAEL, US [72] FORT, WILLIAM HARTMAN, US [72] GEYER, CHRISTOPHER, US [72] HINCHEY, VICTORIA, US [72] KING, JENNIFER EILEEN, US [72] KOLETSCHKA, THOMAS, US [72] KOVAL, MICHAEL CAP, US [72] MARONEY, KYLE, US [72] MASON, MATTHEW T., US [72] MCMAHAN, WILLIAM CHU-HYON, US [72] PRICE, GENE TEMPLE, US [72] ROMANO, JOSEPH, US [72] SMITH, DANIEL, US [72] SRINIVASA, SIDDHARTHA, US [72] VELAGAPUDI, PRASANNA, US [72] ALLEN, THOMAS, US [71] BERKSHIRE GREY OPERATING COMPANY, INC., US [22] 2018-04-18 [41] 2018-10-25 [62] 3,060,257 [30] US (62/486,783) 2017-04-18</p>
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<p>[21] 3,186,213 [13] A1</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR PROCESSING OBJECTS INCLUDING SPACE EFFICIENT DISTRIBUTION STATIONS AND AUTOMATED OUTPUT PROCESSING</p> <p>[54] SYSTEMES ET PROCEDES DE TRAITEMENT D'OBJETS COMPRENANT DES STATIONS DE DISTRIBUTION EFFICACES DANS L'ESPACE ET UN TRAITEMENT DE SORTIE AUTOMATISE</p> <p>[72] WAGNER, THOMAS, US [72] AHEARN, KEVIN, US [72] AMEND, JOHN RICHARD, US [72] COHEN, BENJAMIN, US [72] DAWSON-HAGGERTY, MICHAEL, US [72] FORT, WILLIAM HARTMAN, US [72] GEYER, CHRISTOPHER, US [72] HINCHEY, VICTORIA, US [72] KING, JENNIFER EILEEN, US [72] KOLETSCHKA, THOMAS, US [72] KOVAL, MICHAEL CAP, US [72] MARONEY, KYLE, US [72] MASON, MATTHEW T., US [72] MCMAHAN, WILLIAM CHU-HYON, US [72] PRICE, GENE TEMPLE, US [72] ROMANO, JOSEPH, US [72] SMITH, DANIEL, US [72] SRINIVASA, SIDDHARTH, US [72] VELAGAPUDI, PRASANNA, US [72] ALLEN, THOMAS, US [71] BERKSHIRE GREY OPERATING COMPANY, INC., US [22] 2018-04-18 [41] 2018-10-25 [62] 3,060,257 [30] US (62/486,783) 2017-04-18</p>
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<p>[21] 3,186,272 [13] A1</p> <p>[25] EN</p> <p>[54] A METHOD FOR DETECTING A GENETIC VARIANT</p> <p>[54] PROCEDE POUR LA DETECTION D'UN VARIANT GENETIQUE</p> <p>[72] ROSENFELD, NITZAN, GB [72] FORSHEW, TIM, GB [72] MARASS, FRANCESCO, GB [72] MURTAZA, MUHAMMED, GB [71] CANCER RESEARCH TECHNOLOGY LIMITED, GB [22] 2015-07-17 [41] 2016-01-21 [62] 2,955,303 [30] GB (1412834.2) 2014-07-18</p>
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<p>[21] 3,186,302 [13] A1</p> <p>[25] FR</p> <p>[54] COMPLEX OF GADOLINIUM AND A CHELATING LIGAND DERIVED OF A DIASTEREOISOMERICALLY ENRICHED PCTA AND SYNTHESIS METHOD</p> <p>[54] COMPLEXE DE GADOLINIUM ET D'UN LIGAND CHELATEUR DERIVE DE PCTA DIASTEREOISOMERIQUEMENT ENRICHI ET PROCEDE DE SYNTHESE</p> <p>[72] LE GRENEUR, SOIZIC, FR [72] CHENEDE, ALAIN, FR [72] CERF, MARTINE, FR [72] DECRON, STEPHANE, FR [72] FRANCOIS, BRUNO, FR [71] GUERBET, FR [22] 2020-01-17 [41] 2020-07-23 [62] 3,126,337 [30] FR (1900433) 2019-01-17</p>

<p>[21] 3,186,312 [13] A1</p> <p>[51] Int.Cl. B32B 3/02 (2006.01) B28B 1/48 (2006.01) B28B 23/02 (2006.01) B32B 3/24 (2006.01) B32B 3/26 (2006.01) B32B 18/00 (2006.01) C04B 35/622 (2006.01) C04B 35/80 (2006.01) F01D 5/28 (2006.01) F02C 7/00 (2006.01)</p> <p>[25] EN</p> <p>[54] CERAMIC MATRIX COMPOSITE COMPONENT INCLUDING COUNTERFLOW CHANNELS AND METHODS OF PRODUCING</p> <p>[54] COMPOSANT COMPOSITE MATRICIEL CERAMIQUE Y COMPRIS DES CANAUX D'ECOULEMENT A CONTRE-COURANT ET PROCEDES DE FABRICATION</p> <p>[72] DYSON, THOMAS EARL, US [72] DECESARE, DOUGLAS GLENN, US [72] SUN, CHANGJIE, US [71] GENERAL ELECTRIC COMPANY, US [22] 2020-12-09 [41] 2021-06-20 [62] 3,102,024 [30] US (16/722,980) 2019-12-20</p>

<p>[21] 3,186,214 [13] A1</p> <p>[25] EN</p> <p>[54] ADJUSTABLE FRACTURING SYSTEM</p> <p>[54] SYSTEME DE FRACTURATION REGLABLE</p> <p>[72] GUIDRY, KIRK P., US [71] CAMERON TECHNOLOGIES LIMITED, NL [22] 2014-01-27 [41] 2014-08-07 [62] 2,899,690 [30] US (61/759,127) 2013-01-31</p>

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

<p style="text-align: right;">[21] 3,186,332 [13] A1</p> <p>[51] Int.Cl. A47L 11/18 (2006.01) A47L 11/02 (2006.01) A47L 11/10 (2006.01) A47L 11/12 (2006.01) A47L 11/14 (2006.01)</p> <p>[25] EN</p> <p>[54] FLOOR TREATMENT APPARATUS</p> <p>[54] APPAREIL DE TRAITEMENT DE SOL</p> <p>[72] VENARD, DANIEL, US</p> <p>[72] PYNE, SCOTT, US</p> <p>[72] ADAMS, JARED, US</p> <p>[71] KARCHER NORTH AMERICA, INC., US</p> <p>[22] 2020-01-24</p> <p>[41] 2020-07-30</p> <p>[62] 3,125,521</p> <p>[30] US (62/796,530) 2019-01-24</p> <hr/> <p style="text-align: right;">[21] 3,186,679 [13] A1</p> <p>[51] Int.Cl. A01N 1/02 (2006.01) B65D 55/02 (2006.01)</p> <p>[25] EN</p> <p>[54] ORGAN TRANSPORT APPARATUS WITH A DOCUMENT COMPARTMENT AND A TAMPER EVIDENT SEAL</p> <p>[54] APPAREIL DE TRANSPORT D'ORGANE AYANT UN COMPARTIMENT DE DOCUMENT ET UN SCEAU D'INVIOABILITE</p> <p>[72] STEINMAN, CHRISTOPHER P., US</p> <p>[72] ALLEN, ROBERT J., US</p> <p>[72] PETTINATO, DAVID, US</p> <p>[72] COPITHORNE, MATTHEW, US</p> <p>[72] OTTS, BRIAN L., US</p> <p>[72] DEMUYLDER, PETER, US</p> <p>[71] LIFELINE SCIENTIFIC, INC., US</p> <p>[22] 2013-07-08</p> <p>[41] 2014-01-16</p> <p>[62] 2,917,840</p> <p>[30] US (13/545,184) 2012-07-10</p>	<p style="text-align: right;">[21] 3,186,802 [13] A1</p> <p>[25] EN</p> <p>[54] APPARATUS, SYSTEM AND METHOD FOR MONITORING SOIL CRITERIA DURING TILLAGE OPERATIONS AND CONTROL OF TILLAGE TOOLS</p> <p>[54] APPAREIL, SYSTEME ET PROCEDE PERMETTANT DE SURVEILLER DES CRITERES RELATIFS AU SOL PENDANT DES OPERATIONS DE TRAVAIL DU SOL, ET COMMANDE D'OUTILS DE TRAVAIL DU SOL</p> <p>[72] STOLLER, JASON, US</p> <p>[72] MCMENAMY, JUSTIN, US</p> <p>[72] MORGAN, MATTHEW, US</p> <p>[72] KOCH, DALE, US</p> <p>[71] PRECISION PLANTING LLC, US</p> <p>[22] 2016-09-16</p> <p>[41] 2017-03-23</p> <p>[62] 2,999,077</p> <p>[30] US (62/220,896) 2015-09-18</p> <hr/> <p style="text-align: right;">[21] 3,186,924 [13] A1</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR OBJECT TRACKING ANTI-JITTER FILTERING</p> <p>[54] SYSTEME ET PROCEDE POUR FILTRAGE ANTI-GIGUE DE SUIVI D'OBJET</p> <p>[72] DEANGELIS, DOUGLAS J., US</p> <p>[72] REILLY, GERARD M., US</p> <p>[72] SIGEL, KIRK M., US</p> <p>[72] EVANSEN, EDWARD G., US</p> <p>[71] ISOLYNX, LLC, US</p> <p>[22] 2013-11-12</p> <p>[41] 2014-05-15</p> <p>[62] 3,166,668</p> <p>[30] US (13/674,747) 2012-11-12</p>	<p style="text-align: right;">[21] 3,186,945 [13] A1</p> <p>[25] EN</p> <p>[54] MULTI-FUNCTIONAL VALVE DEVICE FOR EXPELLING HUMIDITY AND SATURATED STEAMFOR BUILDING STRUCTURES, PROCESS OF REMOTION OF MOISTURE, SATURATED STEAM AND INTERSTICIAL CONDENSATION OF BUILDINGS USE OF A MULTI-FUNCTIONAL VALVE DEVICE, WITHOUT LIMITATION, INCLUDING ALL INDUSTRIAL FIELDS AND APPLICATIONS IN EVERY PRODUCT</p> <p>[54]</p> <p>[72] CABONI, MICHELE, IT</p> <p>[71] CABONI, MICHELE, IT</p> <p>[22] 2012-12-31</p> <p>[41] 2013-07-04</p> <p>[62] 2,901,179</p> <p>[30] IT (TO2011A001251) 2011-12-31</p>
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AIANI, MARIANGELA	3,187,259	ANDERSON, DANIEL JAMES	3,177,969	ASAHI KASEI KABUSHIKI
AIRSPED SYSTEMS LLC	3,187,292	ANDERSON, NICKOLAS	3,178,381	3,182,319 KAISHA
AIRSPED SYSTEMS LLC	3,178,300	ANDERSON, PATRICIA	3,187,031	ASCENDIS PHARMA
AKAOGI, TAKAYUKI	3,178,862	ANDERSON, ZOE JANE	3,178,501	ONCOLOGY DIVISION
AKBARI, PEJMAN	3,182,319	ANDERSON, ZOE JANE	3,178,605	3,178,074 A/S
AKOUOS, INC.	3,178,078	ANDREWS, HARLEY	3,179,645	ASHCROFT, THOMAS
AKOUOS, INC.	3,178,197	ANDREWS, MARK	3,186,771	WILLIAM DAVID
ALAR.M.COM INCORPORATED	3,178,301	ANDREWS, MICHAEL	3,187,064	3,178,383 ASMACHER, ANNE
ALASTIN SKINCARE, INC.	3,186,725	ANGELINI, THOMAS E.	3,187,067	3,185,665 ASMACHER, ANNE
ALATTAR, ADNAN M.	3,178,079			3,185,920 ASOKAN, ARAVIND
	3,186,792			3,177,791 ASSA ABLOY AB

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ASTRAPI CORPORATION		BARRON, RONALD MICHAEL	3,178,418	EQUIPMENT CO., LTD.	3,178,315
ASTRAPI CORPORATION	3,187,283	BARROS RIBEIRO DA SILVA, VICINIUS	3,186,771	BEIJING INNOCARE PHARMA	
ASTRAZENECA AB	3,178,386	BARTA, TIMOTHY	3,161,785	TECH CO., LTD.	3,162,405
ATHENION AG	3,178,394	BARTON, PAUL W.	3,178,207	BEIJING YISHENG	
ATKINS, ROBIN	3,186,996	BARTON, PAUL W.	3,178,209	BIOTECHNOLOGY CO., LTD.	
ATR ELECTRONICS, LLC	3,178,527	BASE PAIR			3,178,162
ATRIVA THERAPEUTICS GMBH	3,187,271	BIOTECHNOLOGIES, INC.	3,178,640	BELL, ANDREW SIMON	3,187,145
AUDIER, THIERRY	3,178,615	BASF SE	3,178,064	BELL, KRISTY A.	3,178,405
AUGELLI-SZAFRAN, CORINNE E.	3,187,294	BASHAM, ROBERT	3,178,104	BELLEDANT, ANAIS	3,178,252
AURA TECHNOLOGIE GMBH	3,174,304	BASTA, ANDREW	3,161,785	BELLMYER, MARK	3,179,257
AUSTENFELD, SEBASTIAN	3,186,998	BASTAWROUS, MARINA VICTOR ABDELMASEEH	3,178,223	BELOSHAPKA, ALISON	3,178,133
AUTNHIVE CORPORATION	3,178,248	BASTIOLI, CATIA	3,187,292	BELTON, ANTONIO	3,187,141
AUTOLUS LIMITED	3,178,613	BATEHAM, LAIRD	3,186,864	BEMYVEGA, SL	3,178,106
AUTOSTORE TECHNOLOGY AS	3,178,239	BATISTA DO NASCIMENTO, IVANILDO	3,178,194	BEN-ANAT, VERED	3,187,288
AVERY DENNISON RETAIL INFORMATION SERVICES LLC	3,177,997	BAUER MASCHINEN GMBH	3,170,952	BENISTAND-HECTOR, CYRIL	3,178,073
AVILAR THERAPEUTICS, INC.	3,178,284	BAUER MASCHINEN GMBH	3,178,429	BENKIN, VITALY	3,178,057
AXON4D CORP.	3,174,145	BAUER, WOLFGANG	3,186,716	BENN, JEREMY	3,178,071
AXTELL, ROBERT	3,187,010	BAUERFEIND AG	3,173,576	BENTFELD, LUKAS	3,187,340
AZAD, FAEZEH MAKHLOOGHI	3,187,032	BAUERFEIND, HANS BRUNO	3,173,576	BERGER, FREDERIC	3,178,075
AZIMI, NAZLI	3,178,572	BAXTER HEALTHCARE SA	3,187,179	BERGERON, LISA MARIE	3,186,707
BACON, WAYNE D.	3,186,973	BAXTER INTERNATIONAL INC.		BERGNER, BENJAMIN	
BADANO, FERNAND	3,178,442	BAXTER, COREY EVERETTE	3,187,179	JOHANNES HERBERT	3,178,064
BADKAR, ADVAIT VIJAY	3,178,587	BAYER	3,178,324	BERMAN, ROBERT	3,187,140
BADR, AHMED	3,176,481	AKTIENGESELLSCHAFT	3,187,291	BERNER, BRET	3,187,178
BAGGIO, MARIA CARLA	3,178,565	BAYER		BERNER, MICHELE EDITH	3,186,706
BAIK, JOSHUA	3,178,402	AKTIENGESELLSCHAFT	3,187,296	BERNHARDT, ALEXANDER	3,180,261
BAILEY, DAVID A.	3,178,629	BEA SA	3,178,665	BERRIOT, MAXIME	3,178,412
BAKDALSH, GHATH	3,178,053	BEAUDRY, RICHARD	3,184,009	BERTELOOT, THOMAS	3,186,767
BAKER HUGHES OILFIELD OPERATIONS LLC	3,178,513	BECK, ANDRE	3,173,576	BERY, NICOLAS	3,178,612
BAKER HUGHES OILFIELD OPERATIONS LLC	3,179,257	BECKER, ARNE TJARK	3,163,446	BESNARD, JEREMY	3,187,145
BAKER HUGHES OILFIELD OPERATIONS LLC	3,180,423	BECKER, GUIDO	3,187,147	BETTA PHARMACEUTICALS	
BAKER, PAUL	3,178,565	BECKER, NEAL DAVID	3,178,060	CO., LTD	3,186,769
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BAKKER, JAN HENDRIK LUCAS	3,186,793	BECKHOFF AUTOMATION GMBH	3,186,760	BEVERS, NICOLAAS H.	3,178,311
BALACHANDAR, RAM	3,178,397	BECKLEY PSYTECH LIMITED	3,187,020	BEVERS, SANNE	3,186,776
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BALKOVEC, CHRISTIAN	3,178,194	BECTON DICKINSON FRANCE	3,178,511	BHASKAR, UDAYA	3,178,060
BAMMERT, GARY F.	3,178,089	BECTON DICKINSON FRANCE	3,178,517	BHATT, TANAY	3,178,386
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BAO, TONG	3,187,179	BECKLEY PSYTECH LIMITED	3,187,020	BHOGE, SATISH EKANATH	3,187,037
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BARNES, THOMAS	3,178,547	BEGLEY, MICHAEL	3,178,517	BIO TECH STARE GLOBAL S.R.L.	3,178,357
BARRE, PAULINE	3,178,111	BEIJING GOLDWIND SCIENCE & CREATION	3,186,978	BIO-DIAGNOSTICS LIMITED	3,177,873
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				BJORDAHL, RYAN	3,182,852
				BLACK IDOL	3,178,228

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BLONDEL, LUCIEN	3,178,587	BROWN, MATTHEW	3,187,281	CAREFUSION 303, INC.	3,178,376
BLOOM ENERGY CORPORATION	3,178,422	BROWN, MICHAEL C.	3,186,906	CAREFUSION 303, INC.	3,178,378
BLUE CUBE TECHNOLOGY (PTY) LTD	3,187,044	BROWN, MICHELLE	3,178,649	CARISMA THERAPEUTICS INC.	3,187,138
BLUE ICE EUROPE	3,178,091	BROWN, STEFANIE	3,186,884	CARLBERG, HAKAN	3,178,560
BLUE ICE EUROPE	3,178,634	BROWN, STEPHEN	3,178,318	CARLSON, JAY	3,186,863
BLUE SOLUTIONS	3,184,344	BROWN, TOM, JR.	3,178,568	CARMI, YARON	3,186,887
BLUESHIFT MATERIALS, INC.	3,178,057	BROWN, TOM, SR.	3,178,568	CARNEY, IEUAN MATTHEW	3,172,459
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BOEGLIN, LIANNE	3,177,940	BRUIN, GERARD	3,187,136	CASALE, FRANCESCO PAOLO	3,178,602
BOEHRINGER INGELHEIM INTERNATIONAL GMBH	3,187,150	BRUMM, HOLGER	3,187,146	CASIMIRO, DANILO	3,177,940
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BONE SOLUTIONS, INC.	3,178,482	BRYSCHE, WOLFGANG	3,178,527	CAUTION, STEPHEN	3,177,784
BONE SOLUTIONS, INC.	3,178,495	BTI WIRELESS LIMITED	3,178,571	CAVELERI, CHRISTY E.	3,186,906
BONGERS, MAREIKE	3,187,002	BU, TING	3,178,484	CCT INTERNATIONAL	3,178,101
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BOR, ZSOLT	3,178,338	BUCHINE, BRENT A.	3,186,234	CELLIX BIO PRIVATE LIMITED	3,178,643
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BORGEL, DELPHINE	3,187,283	BUELL, SHELBY J.	3,178,369	CENTOR DESIGN PTY LTD	3,186,886
BORGMAN, REID	3,178,256	BULLOCK, MARK A.	3,178,369	CENTRE HOSPITALIER	
BORRELLI, ELSI-MARI	3,186,340	BURGESS, BRENDAN JOHN	3,178,373	CENTRE HOSPITALIER REGIONAL	
BOSS, OLIVIER D.	3,178,516	BURKIN, CORNELIA	3,178,082	CENTRE HOSPITALIER REGIONAL	
BOSTON SCIENTIFIC MEDICAL DEVICE LIMITED	3,178,089	BURKS, STEPHEN	3,178,199	CENTRE HOSPITALIER REGIONAL	
BOUTIQUE, JEAN-POL	3,178,617	BURNS, DAVID	3,178,443	CENTRE HOSPITALIER REGIONAL	
BOYER, FREDERIC	3,177,967	BURNS, DAVID	3,178,199	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	3,178,537
BOYER, ROBERT	3,178,551	BURR, GEOFFREY	3,178,030	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	3,178,306
BOYLES, JEFFREY STREETMAN	3,171,139	BURTON, PAUL MATTHEW	3,178,605	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	
BOZKURT, BATUHAN TURHAN	3,178,161	BYAGATHVALLI, GAURAV	3,178,545	CERMAK, FRANTISEK	3,178,063
BRADLEY, ANTHONY RICHARD	3,187,145	BYD COMPANY LIMITED	3,178,203	CERNAKS, DMITRIJS	3,178,112
BRADLEY, ARTHUR	3,186,324	BYD COMPANY LIMITED	3,178,213	CERNE, VIRNA LUCIA	3,186,744
BRADLEY, RICHARD	3,178,400	BYD COMPANY LIMITED	3,178,225	CERRONE, DAVID	3,161,785
BRAUN, STEFAN	3,187,322	BYD COMPANY LIMITED	3,178,237	CERTAINTEED CEILINGS CORPORATION	3,178,053
BRAVO TECH INC	3,178,571	BYD COMPANY LIMITED	3,178,508	CHABOT, BRUNO	3,178,623
BRAY, MARK R.	3,178,415	BYD COMPANY LIMITED	3,178,515	CHAGNON, JEFFREY	
BRAYMAN, KENNETH	3,187,170	BYD COMPANY LIMITED	3,178,522	CHAMBERLAIN, PAUL	3,186,324
BRAZDIL, JAMES	3,178,483	C4 THERAPEUTICS, INC.	3,178,531	CHAMELEON BIOSCIENCES, INC.	3,187,321
BRAZDIL, JAMES	3,178,639	CAAHALAN, GERARD	3,174,245	CHAN, SHIAO-YNG	3,178,154
BREESE, DUNCAN C.	3,186,738	CALDERARA, ALICE	3,178,072	CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD	3,178,547
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BRESCO, RYAN	3,178,403	CAMPBELL, RICK	3,187,053	CHANG, YAO-CHUAN	3,178,409
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BRISTOL-MYERS SQUIBB COMPANY	3,178,649	CAO, MINH DUC	3,186,707		
BRITTAINE, HARRY G.	3,178,188	CAO, YONGFU	3,178,571		
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		CAPODILUPO, JOHN	3,186,796		
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CHEN, LEI	3,178,264	CHEN, SHUHUI	3,186,763	CHEN, LIHAO	3,178,575
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CHEN, WEI	3,186,988	CHEN, YUQING E.	3,186,710	CHEN, ZHFANG	3,177,906
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CHEN, XIAOXIA	3,187,178	CHEVRON PHILLIPS CHEMICAL COMPANY LP	3,186,702	CHEVRON PHILLIPS CHEMICAL COMPANY LP	3,186,702
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CHEVRON PHILLIPS CHEMICAL COMPANY LP	3,178,403	COHERENT, INC.	3,178,403	CHOCO, MARINA	3,178,502
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CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD.	3,178,647	COLE, ANDREW G.	3,178,647	CHOCO, MARINA	3,178,502
CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD.	3,178,385	COLEMAN, STEPHANIE	3,178,385	CHOCO, MARINA	3,178,502
CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD.	3,178,592	COLGRAVE, MICHELLE LISA	3,178,592	CHOCO, MARINA	3,178,502
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MARASS, FRANCESCO	3,186,272	SMID, DENNIS	3,186,021
MARONEY, KYLE	3,186,212	SMITH, CHRISTIAN	3,186,078
MARONEY, KYLE	3,186,213	SMITH, DANIEL	3,186,212
MASON, MATTHEW T.	3,186,212	SMITH, DANIEL	3,186,213
MASON, MATTHEW T.	3,186,213	SNAP-ON INCORPORATED	3,169,456
MATTHEWS, WILLIAM A.	3,185,978	SOPKO, WESLEY	3,186,178
MCFARLAND, BRUCE	3,185,238	SRINIVASA, SIDDHARTHA	3,186,212
MCFARLAND, BRUCE	3,185,245	SRINIVASA, SIDDHARTHA	3,186,213
MCMAHAN, WILLIAM CHU-HYON	3,186,212	STALLING, DAVID L.	3,184,880
MCMAHAN, WILLIAM CHU-HYON	3,186,213	STANFIELD, JAMES RICHARD	3,185,918
MCMENAMY, JUSTIN	3,186,802	STEINMAN, CHRISTOPHER P.	3,186,679
MCMILLAN, WILLIAM A.	3,184,858	STEWART, CHARLES	
MEP EQUINE SOLUTIONS LLC	3,186,277	PRENTICE	3,185,887
MICHAEL, NICHOLAS O.	3,185,961	STOLLER, JASON	3,186,802
MOORE, BREANNA	3,185,891	SUAREZ-RIVERA, ROBERTO	3,186,001
MOORHOUSE, JOHN H.	3,185,978	SULLIVAN, JOHN	3,185,937
MORGAN, MATTHEW	3,186,802	SUN, CHANGJIE	3,186,312
MURE, CLIFF R.	3,185,978	TACHIBANA, TATSUHIKO	3,186,128
MURRAY, GEORGE M.	3,184,786	TARGUS INTERNATIONAL	
MURTAZA, MUHAMMED	3,186,272	LLC	3,185,990
NEXXSPAN HEALTHCARE, LLC	3,185,159	TECHSOURCE, INC.	3,184,786
NOOK, JONATHAN LEWIS	3,185,918	THE GENERAL HOSPITAL	
NOOK, WILLIAM KNIGHT	3,185,918	CORPORATION	3,186,017
O'DONOGHUE, EILEEN	3,185,815	THE NOCO COMPANY	3,185,918
OTTS, BRIAN L.	3,186,679	THOMPSON, DANIEL	3,186,178
PAHL, BIRGER	3,185,857	TRANSMEDICS, INC.	3,185,937
PALASIS, MARIA	3,186,201	UNDERHILL, DEREK	
PARK, YONG MAN	3,185,892	MICHAEL	3,185,918
PETERSON, SEAN	3,186,078	UNIGEN, INC.	3,185,891
PETTINATO, DAVID	3,186,679	UNIVATION TECHNOLOGIES	
POPIC, VICTORIA	3,186,025	LLC	3,185,978
PRECISION PLANTING LLC	3,186,802	UNIVERSITY OF KANSAS	3,184,880
PRICE, GENE TEMPLE	3,186,212	VARMA, AJIT KALIDINDI	3,185,987
PRICE, GENE TEMPLE	3,186,213	VARONA, EUGENIO	3,186,021
PROFUSA, INC.	3,184,858	VELAGAPUDI, PRASANNA	3,186,212
PYNE, SCOTT	3,186,332	VENARD, DANIEL	3,186,213
RAVEN INDUSTRIES, INC.	3,185,961	VIAULT, MICHEL	3,186,332
REILLY, GERARD M.	3,186,924	WADE, JEREMY	3,186,195
REISS, JESSE	3,185,987	WAGNER, THOMAS	3,186,185
RETTLER, JAMES T.	3,169,456	WAGNER, THOMAS	3,186,212
RITCHIE, GREG	3,185,937	WALL, MARK A.	3,186,213
ROBINSON, JOSEPH LOREE	3,185,987	WIEBE, KEVIN	3,186,178
ROMANO, JOSEPH	3,186,212	WILLBERG, DEAN M.	3,186,001
ROMANO, JOSEPH	3,186,213	WISNIEWSKI, NATALIE ANN	3,184,858
RONAGHI, MOSTAFA	3,186,025	WRIGHT, ANDREW	3,186,021
ROSEN, JENNIFER K.	3,185,889	WU, YIR-SHYUAN	3,186,025
ROSENFIELD, NITZAN	3,186,272	YIMAM, MESFIN	3,185,891
ROUGIER, STEPHANE	3,186,195	YUAN, JONNY	3,185,990
RUSSELL, BRIAN	3,186,078	ZUGATES, GREG	3,186,201
Schlumberger Canada Limited	3,186,001		
SCHMALZ, STEVEN CHRISTOPHER	3,185,857		
SCHULZ, BENJAMIN T.	3,169,456		
SCHWARTZ, ERIC	3,184,805		
SHARMA, UPMA	3,186,201		