WIPO
WORLD
INTELLECTUAL PROPERTY
ORGANIZATION

C. PCT 1704 May 4, 2026

Madam,
Sir,

Enhancement to the Front Page Layout of the International Publication of International Applications

This Circular is addressed to your Office in its capacity as a receiving Office (RO), an International Searching Authority (ISA), an International Preliminary Examination Authority (IPEA), and Authority specified for supplementary search, and/or a designated or elected Office under the Patent Cooperation Treaty (PCT). It is also addressed to certain non-governmental organizations representing users of the PCT System.

The purpose of the circular is to inform about an upcoming set of changes concerning the front page layout of the international publication of international applications by the International Bureau (IB). These changes aim to improve readability for end users by ensuring greater consistency in the presentation of the figure, the abstract and the associated text. It will also streamline and automate the preparation of the front page layout at the IB.

I. Key Enhancements to the Front Page Layout

The following changes will be introduced:

- When a figure is published alongside the abstract, both the abstract and the corresponding figure will now always appear on the second page of the document.
- The drawing will be displayed within a fixed-size frame to ensure consistent formatting and improved readability.
- The figure number will be automatically displayed beneath the drawing. The figure number will always be indicated as “Fig. …“, irrespective of the publication language. No translation of “Fig.” will be provided.
- Any text associated with the drawing will be automatically displayed beneath the figure and will be searchable on PATENTSCOPE.

/...

34, chemin des Colombettes
CH-1211 Geneva 20, Switzerland
T +41 22 338 91 11 F +41 22 733 54 28
www.wipo.int

./. These changes can be visualized in the attached draft samples of front pages.

II. Scope of Changes and Scheduled Implementation

It is noted that no changes will be made to the bibliographic data layout. Furthermore, no modifications are being made to the XML structure of the front page of the international publication. Accordingly, these enhancements are limited to the formatting and visual presentation of the front page layout and are not expected to have any impact on data exchange or processing.

Following the completion of the consultation period referred to in the next paragraph, the enhancement to the front page may be implemented in the third quarter of 2026.

III. Comments on the Proposed New Front Page Layout of the International Publication

You are invited to provide comments or address any questions on this proposal to the PCT Legal and User Relations Division by May 29, 2026, by email at: pct.legal@wipo.int.

Yours sincerely,

Lisa Jorgenson
Deputy Director General
Patents and Technology Sector

Enclosure: Annex — Samples of the new front page layout

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
30 September 2021 (30.09.2021)

WIPO | PCT

(10) International Publication Number
WO 2021/194689 A4

(51) International Patent Classification:
H01L 27/32 (2006.01)

(21) International Application Number:
PCT/US2021/019986

(22) International Filing Date:
26 February 2021 (26.02.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

62/994,747	25 March 2020 (25.03.2020)	US
17/143,939	07 January 2021 (07.01.2021)	US

(71) Applicant: **APPLE INC.** [US/US]; One Apple Park Way, Cupertino, CA 95014 (US).

(72) Inventors: **ONO, Shinya**; One Apple Park Way, Cupertino, CA 95014 (US). **LIN, Chin-Wei**; One Apple Park Way, Cupertino, CA 95014 (US). **MATSUDAIRA, Akira**; One Apple Park Way, Cupertino, CA 95014 (US). **CHANG, Jiun-Jye**; One Apple Park Way, Cupertino, CA 95014 (US). **HUANG, Jung, Yen**; One Apple Park Way, Cupertino, CA 95014 (US). **CHANG, Pei-En**; One Apple Park Way, Cupertino, CA 95014 (US). **KITSOMBOONLOHA, Rungrot**; One Apple Park Way, Cupertino, CA 95014 (US). **LEE, Szu-Hsien**; One Apple Park Way, Cupertino, CA 95014 (US).

(74) Agent: **TREYZ, George, Victor**; Treyz Law Group, 6501 E. Greenway Pkwy #103-621, Scottsdale, AZ 85254 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report (Art. 21(3))*
— *with amended claims (Art. 19(1))*

(88) Date of publication of the international search report:
16 December 2021 (16.12.2021)

Date of publication of the amended claims:
30 April 2026 (30.04.2026)

WO 2021/194689 A4

(54) Title: LARGE PANEL DISPLAYS WITH REDUCED ROUTING LINE RESISTANCE

[Continued on next page]

WO 2021/194689 A4

(57) Abstract: An electronic device may include a display with pixels formed using light-emitting diodes, thin-film silicon transistors, thin-film semiconducting-oxide transistors, and capacitors. The silicon transistors, semiconducting-transistors, and capacitors may have control terminals that are coupled to gate or routing lines that extend across the face of the display and that are formed in a low resistance source-drain metal routing layer. Forming routing/gate lines using the low resistance source-drain metal routing layer dramatically reduces the resistance of the gate lines, which enables better timing margins for large display panels operating at higher refresh rates.

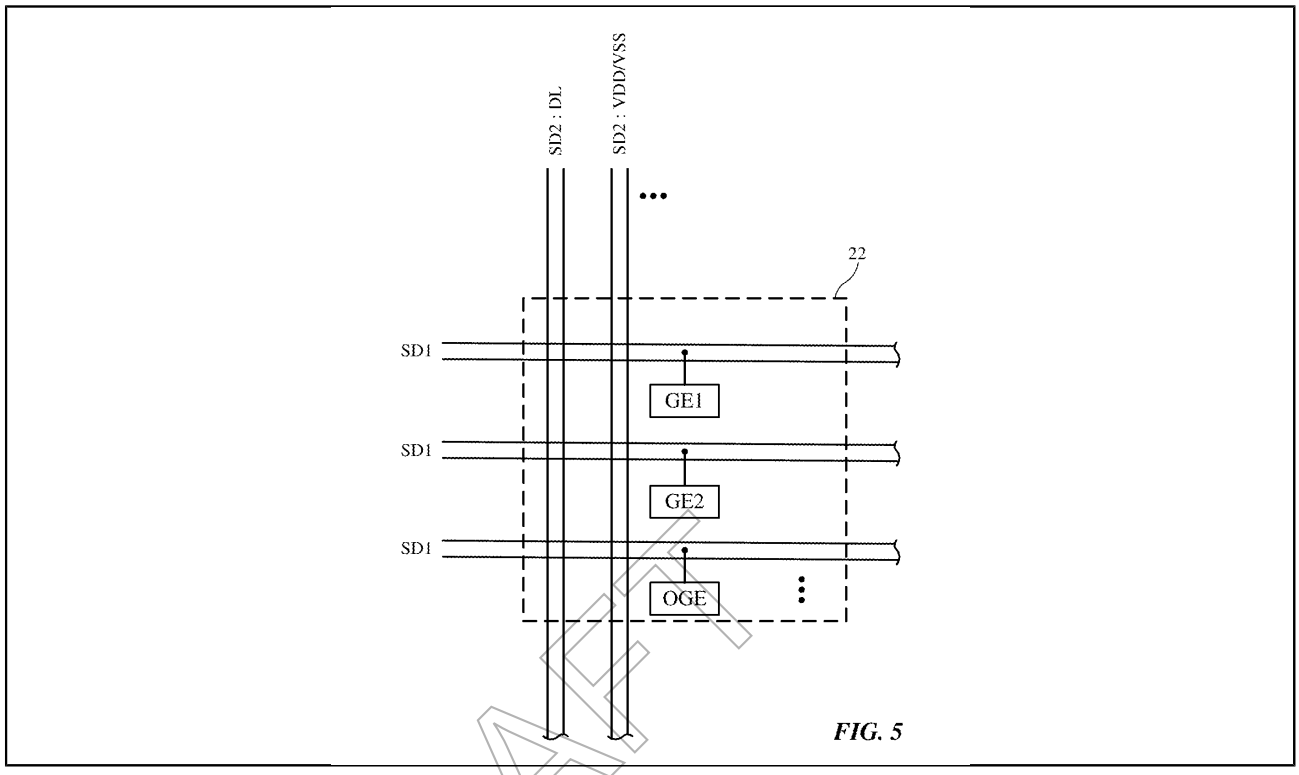

Fig. 5

(12) DEMANDE INTERNATIONALE PUBLIÉE EN VERTU DU TRAITÉ DE COOPÉRATION EN MATIÈRE DE BREVETS (PCT)

(19) Organisation Mondiale de la Propriété Intellectuelle
Bureau international

(43) Date de la publication internationale
29 octobre 2026 (29.10.2026)

WIPO | PCT

(10) Numéro de publication internationale
WO MISSING A2

(51) Classification internationale des brevets :
Non classée

(21) Numéro de la demande internationale :
PCT/IB2026/092347

(22) Date de dépôt international :
14 avril 2026 (14.04.2026)

(25) Langue de dépôt : français

(26) Langue de publication : français

(30) Données relatives à la priorité :

FR2500042	24 avril 2025 (24.04.2025)	FR
2500042	26 avril 2025 (26.04.2025)	FR

(71) Déposant : ELM INC. [MA/FR] ; 23 Rue de Rivoli, Apt 2A, 75001 Paris (FR).

(72) Inventeur : MARTIN, Jean ; 150 Avenue des Champs, Apt 4C, 75008 Paris (FR).

(81) États désignés *(sauf indication contraire, pour tout titre de protection nationale disponible)* : AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UY, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) États désignés *(sauf indication contraire, pour tout titre de protection régionale disponible)* : ARIPO (BW, CV, GH, GM, KE, LR, LS, MU, MW, MZ, NA, RW, SC, SD, SL, ST, SZ, TZ, UG, ZM, ZW), eurasien (AM, AZ, BY, KG, KZ, RU, TJ, TM), européen (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Déclarations en vertu de la règle 4.17 :
— *relative à l'identité de l'inventeur (règle 4.17(i))*
— *relative au droit du déposant de demander et d'obtenir un brevet (règle 4.17(ii))*
— *relative au droit du déposant de revendiquer la priorité de la demande antérieure (règle 4.17(iii))*

Publiée:
— *sans rapport de recherche internationale, sera republiée dès réception de ce rapport (règle 48.2(g))*
— *en noir et blanc ; la demande internationale telle que déposée était en couleur ou en échelle de gris et est disponible sur PATENTSCOPE pour téléchargement.*

(54) Title: METHOD AND SYSTEM FOR ISSUING MULTIMEDIA QUIZ CARDS THAT PROVIDE LEARNING CONTEXTS SUITABLE FOR A LEARNER OF A FOREIGN LANGUAGE

(54) Titre : PROCÉDÉ ET SYSTÈME POUR DÉLIVRER DES CARTES QUIZ MULTIMÉDIA PROCURANT DES CONTEXTES D'APPRENTISSAGE ADAPTÉS À UN APPRENANT D'UNE LANGUE ÉTRANGÈRE

WO MISSING A2

[Suite sur la page suivante]

WO MISSING A2

(57) Abstract: The invention relates to a method for issuing, from multimedia content available on a multimedia content host website (11), multimedia quiz cards (flashcards) (7) that provide learning contexts suitable for a learner of a foreign language according to a plurality of criteria, this method comprising the following steps: - searching (12) indexed multimedia content available on said host site (11), according to a plurality of predetermined target words, - pre-filtering (6), from among the indexed multimedia content (4) resulting from the search step (12), indexed multimedia content corresponding to a plurality of learning contexts, - producing (13), from each of said indexed and pre-filtered multimedia content items, quiz cards (flashcards) (7), each of which incorporates a quiz relating to one or more target words associated with the respective multimedia content, said quiz cards produced in this way being provided to be visualised on an electronic device used by the learner (S), - identifying (5), using a neural learning method, and from among the quiz cards produced in this way (7), one or more quiz cards suitable for allowing the learner (S) to advance on the basis of their profile.

(57) Abrégé : Procédé pour délivrer, à partir de contenus multimédia disponibles sur un site web d'hébergement de contenus multimédia (11), des cartes quiz multimédia (flashcards) (7) procurant des contextes d'apprentissage adaptés à un apprenant d'une langue étrangère selon une pluralité de critères, ce procédé comprenant les étapes suivantes: - recherche (12) de contenus multimédia indexés disponibles sur ledit site d'hébergement (11), selon une pluralité de mots cible prédéterminés, - pré-filtrage (6), parmi les contenus multimédia indexés (4) issus de l'étape de recherche (12), de contenus multimédia indexés correspondant à une pluralité de contextes d'apprentissage, - production (13), à partir chacun desdits contenus multimédia indexés et préfiltrés, de cartes quiz (flashcards) (7) intégrant chacune un quiz en relation avec un ou plusieurs mots cible associés au contenu multimédia respectif, lesdites cartes quiz ainsi produites étant prévues pour être visualisables sur un équipement électronique utilisé par l'apprenant (S), - identification (5) par une méthode neuronale d'apprentissage, parmi lesdites cartes quiz ainsi produites (7), d'une ou plusieurs cartes quiz adaptées pour faire progresser l'apprenant (S) en fonction de son profil.

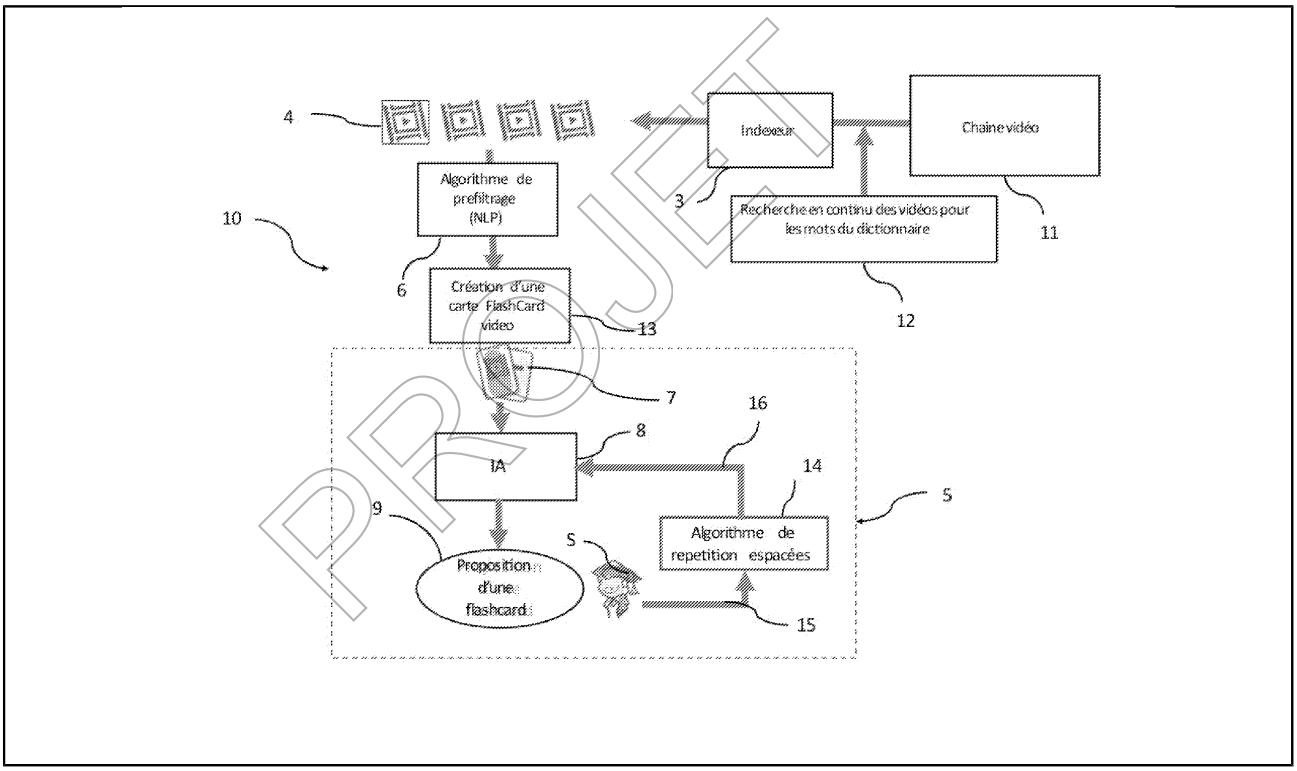

Fig. 1

3 Indexer
6 Pre-filtering algorithm (NLP)
8 AI
9 Proposal of a flashcard
11 Video channel
12 Continuous search of videos for the words from the dictionary
13 Creation of a flashcard video card
14 Intervaled repetition algorithm

(12) SOLICITUD INTERNACIONAL PUBLICADA EN VIRTUD DEL TRATADO DE COOPERACIÓN EN MATERIA DE PATENTES (PCT)

(19) Organización Mundial de la Propiedad Intelectual
Oficina internacional

(43) Fecha de publicación internacional
29 de octubre de 2026 (29.10.2026)

WIPO | PCT

(10) Número de publicación internacional
WO MISSING A2

(51) Clasificación internacional de patentes:
Sin clasificar

(21) Número de la solicitud internacional:
PCT/IB2026/092328

(22) Fecha de presentación internacional:
14 de abril de 2026 (14.04.2026)

(25) Idioma de presentación: español

(26) Idioma de publicación: español

(30) Datos relativos a la prioridad:

P202501234	24 de abril de 2025 (24.04.2025)	ES
U202501355	30 de abril de 2025 (30.04.2025)	ES

(71) Solicitante: ELM INC. [MA/ES]; Calle Alcalá, 23, 28014 Madrid Madrid (ES).

(72) Inventor: DÍAZ, Antonio; Avenida Diagonal, 150, 4º C, 08018 Barcelona Barcelona (ES).

(81) Estados designados *(a menos que se indique otra cosa, para toda clase de protección nacional admisible)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UY, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Estados designados *(a menos que se indique otra cosa, para toda clase de protección regional admisible)*: ARIPO (BW, CV, GH, GM, KE, LR, LS, MU, MW, MZ, NA, RW, SC, SD, SL, ST, SZ, TZ, UG, ZM, ZW), euroasiática (AM, AZ, BY, KG, KZ, RU, TJ, TM), europea (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Declaraciónes según la Regla 4.17:
— *sobre la identidad del inventor (Regla 4.17(i))*
— *sobre el derecho del solicitante para solicitar y que le sea concedida una patente (Regla 4.17(ii))*
— *sobre el derecho del solicitante a reivindicar la prioridad de la solicitud anterior (Regla 4.17(iii))*
— *sobre la calidad de inventor (Regla 4.17(iv))*

Publicada:
— *sin informe de búsqueda internacional, será publicada nuevamente cuando se reciba dicho informe (Regla 48.2(g))*
— *en blanco y negro; la solicitud internacional se presentó en colores o en escala de grises y puede descargarse de PATENTSCOPE.*

(54) Title: EVICE FOR LOCATING IMPROVISED EXPLOSIVE DEVICES BY MEANS OF THE BACKSCATTERING OF THERMAL NEUTRONS

(54) Título: DISPOSITIVO PARA LA LOCALIZACIÓN DE ARTEFACTOS EXPLOSIVOS IMPROVISADOS POR RETRODISPERSIÓN DE NEUTRONES TÉRMICOS

WO MISSING A2

[Continúa en la página siguiente]

WO MISSING A2

(57) Abstract: The invention relates to a method and apparatus for locating Improvised Explosive Devices (IEDs) buried below the ground surface. The apparatus employs one rapid neutron-emitting radioactive source and two slow neutron detectors. As the materials currently used in the manufacture of IEDs are essentially of a low atomic number, also present in the ground, but generally in concentrations different from those of the IEDs, when a volume of ground is examined by rapid neutrons, the detection of a local variation in the intensity of the slow neutron signal is indicative of the possible presence of explosive material. The method includes numerical analysis procedures and procedures for comparison with previously constructed databases, which enable: (i) The determination, with sufficient accuracy, of the position of the explosive material on a plane parallel to the ground surface. (ii) The obtaining of a statistical assessment of the probability that the object located is an IED.

(57) Resumen: Método y aparato para localizar Artefactos Explosivos Improvisados (AEI) enterrados bajo la superficie del suelo. El aparato usa una fuente radiactiva emisora de neutrones rápidos y dos detectores de neutrones lentos. Puesto que los materiales usados en la actualidad para la manufactura de AEIs son esencialmente de bajo número atómico, también presentes en el suelo, generalmente en concentraciones diferentes a aquellas de los AEIs, cuando un volumen de suelo es examinado por neutrones rápidos, la detección de una variación local en la intensidad de la señal de neutrones lentos es indicativo de la posible presencia de material explosivo. El método incluye procedimientos de análisis numérico y de comparación con bases de datos previamente construidas que permitirán: (i) Determinar con suficiente precisión la posición del material explosivo sobre un plano paralelo a la superficie del suelo. (ii) Obtener una valoración estadística de la probabilidad de que el objeto localizado sea un AEI.

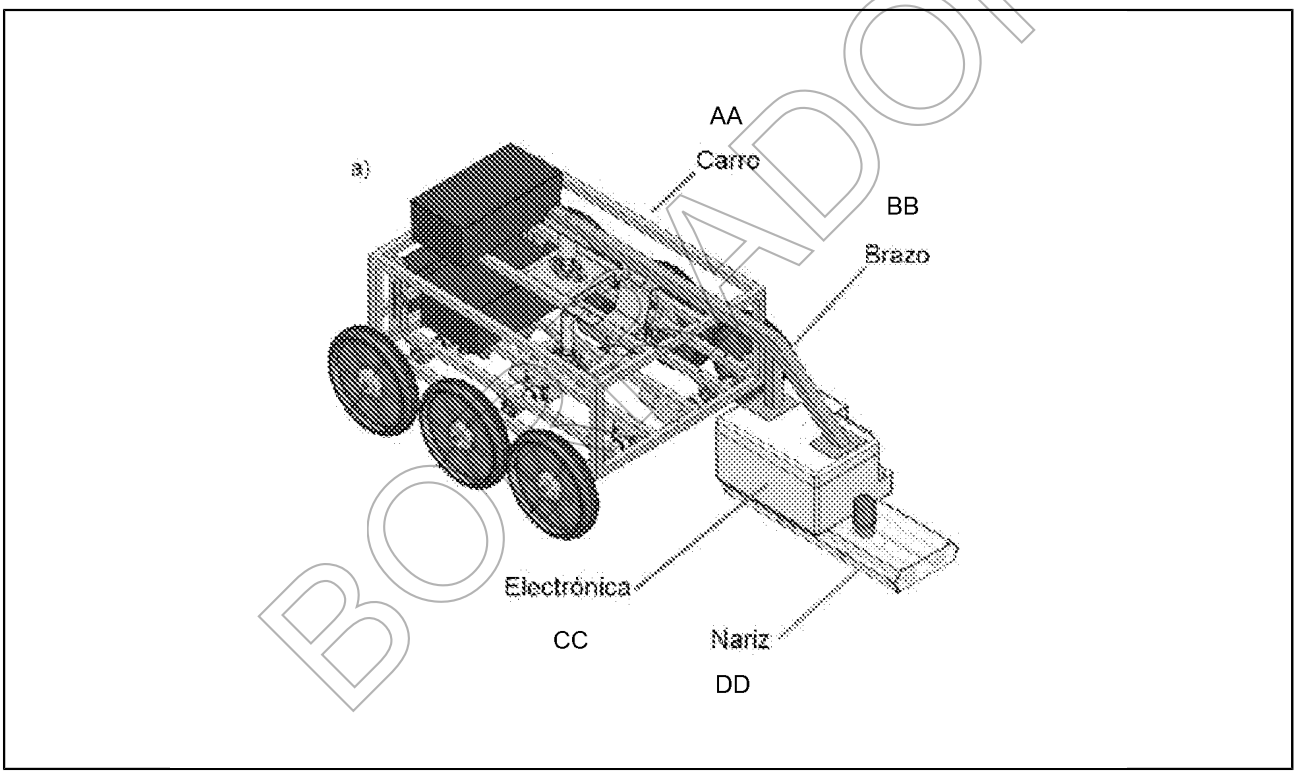

Fig. 3A

AA Trolley
BB Arm
CC Electronics
DD Nose

(12) 特許協力条約に基づいて公開された国際出願

(19) 世界知的所有権機関
国際事務局

(43) 国際公開日
2026年6月4日(04.06.2026)

WIPO | PCT

(10) 国際公開番号
WO MISSING A2

(51) 国際特許分類:
分類無し

(21) 国際出願番号： PCT/IB2026/092067

(22) 国際出願日： 2026年4月13日(13.04.2026)

(25) 国際出願の言語： 日本語

(26) 国際公開の言語： 日本語

(30) 優先権データ：
実願 2025-011999 2025年4月23日(23.04.2025) JP
特願 2025-011999 2025年4月25日(25.04.2025) JP

(72) 発明者；および
(71) 出願人: 田 中 太 郎 **(TANAKA, Taro)** [JP/JP]; 150-8512 東 京 渋 谷 区 桜 丘 町 26-1 セ ル リ アンタワー15階 (CH).

(81) 指定国(表示のない限り、全ての種類の国内保護が可能): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UY, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) 指定国(表示のない限り、全ての種類の広域保護が可能): ARIPO (BW, CV, GH, GM, KE, LR, LS, MU, MW, MZ, NA, RW, SC, SD, SL, ST, SZ, TZ, UG, ZM, ZW), ユーラシア (AM, AZ, BY, KG, KZ, RU, TJ, TM), ヨーロッパ (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

規則4.17に規定する申立て：
— 発明者の特定に関する申立て（規則 4.17(i)）
— 出願し及び特許を与えられる出願人の資格に関する申立て（規則4.17(ii)）
— 先の出願に基づく優先権を主張する出願人の資格に関する申立て(規則4.17(iii))
— 発明者である旨の申立て（規則 4.17(iv)）

添付公開書類：
— 出願人の請求に基づく第２１条(2)(a)による期間経過前の公開。
— 国際調査報告なし；国際調査報告を受け取り次第公開される。（規則48.2(g)）
— 白黒。出願原本にはカラー又はグレースケールの情報が含まれており、PATENTSCOPE からのダウンロードが可能。

WO MISSING A2

(54) Title: WASABI RHIZOME IN WHICH DETERIORATION IN QUALITY IS INHIBITED

(54) 発明の名称： 品質劣化が抑制されたわさび根茎

［続葉有］

WO MISSING A2

(57) Abstract: Provided are: a wasabi rhizome in which deterioration in quality is inhibited; a method for preserving the same; and a method for producing the same. The present specification discloses: a wasabi rhizome characterized by having a phenylalanine ammonia lyase activity per 1 mg of protein of less than 0.04 U/mg protein, after having the surface thereof trimmed and being preserved for 5 days at 0°C; and a preservation method that involves preserving said wasabi rhizome at a temperature of -5 ° C to 10 ° C. The present specification also discloses a method for producing a wasabi rhizome in which deterioration in quality is inhibited, the method comprising: (1-1) immersing a wasabi rhizome in water at a temperature higher than 40°C but lower than 60°C; and/or (1-2) immersing the wasabi rhizome in an ethanol solution.

(57) 要約：品質劣化が抑制されたわさび根茎、その保存方法及びその製造方法を提供する。 本明細書は、表面をトリミング処理し０℃で５日間保存後のタンパク質１ｍｇ当たりのフェニルアラニンアンモニアリアーゼ活性が０．０４Ｕ／ｍｇタンパク質未満であることを特徴とするわさび根茎、並びに、前記わさび根茎を－５℃以上１０℃以下の温度で保存する保存方法を開示する。本明細書はまた、（１－１）わさび根茎を４０℃超６０℃未満の温度の水に浸漬すること、及び／又は、（１－２）わさび根茎をエタノール溶液に浸漬することを含む、品質劣化が抑制されたわさび根茎の製造方法を開示する。

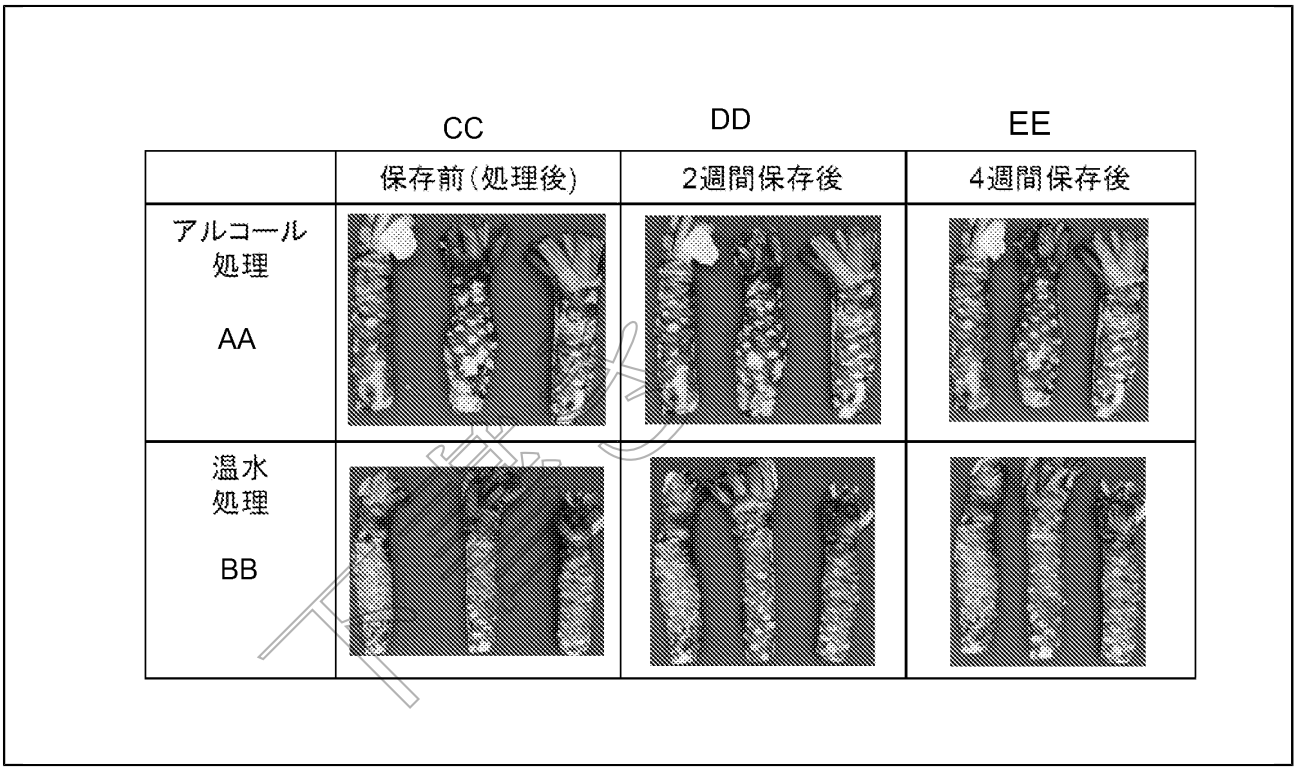

Fig. 8

AA Alcohol treatment
BB Warm water treatment
CC Before being preserved (after treatment)
DD After being preserved for 2 weeks
EE After being preserved for 4 week