

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
23 July 2020 (23.07.2020)



(10) International Publication Number
WO 2020/148721 A1

(51) International Patent Classification:

G01B 11/24 (2006.01) G06T 15/00 (2011.01)
G01B 11/25 (2006.01) G06T 7/30 (2017.01)
G01N 21/64 (2006.01) G06T 7/50 (2017.01)
G01S 17/89 (2020.01) G16H 30/40 (2018.01)

(21) International Application Number:

PCT/IB2020/050380

(22) International Filing Date:

17 January 2020 (17.01.2020)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/793,837 17 January 2019 (17.01.2019) US

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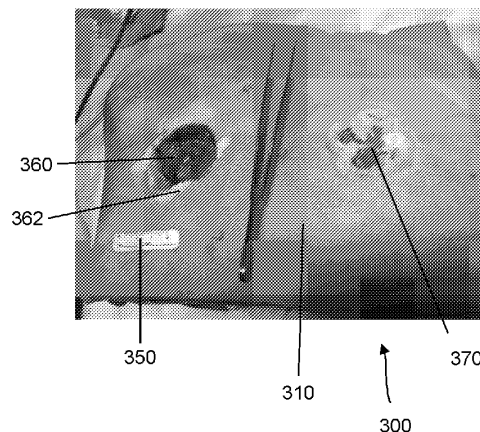
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, 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,

(54) Title: SYSTEMS, METHODS, AND DEVICES FOR THREE-DIMENSIONAL IMAGING, MEASUREMENT, AND DISPLAY OF WOUNDS AND TISSUE SPECIMENS

FIG. 26D



(57) Abstract: The present disclosure provides methods, systems, and devices for coregistering imaging data to form three-dimensional superimposed images of a biological target such as a wound, a tumor, or a surgical bed. A three-dimensional map can be generated by projecting infrared radiation at a target area, receiving reflected infrared radiation, and measuring depth of the target area. A three-dimensional white light image can be created from a captured two-dimensional white light image and the three-dimensional map. A three-dimensional fluorescence image can be created from a captured two-dimensional fluorescence image and the three-dimensional map. The three-dimensional white light image and the three-dimensional fluorescence image can be aligned using one or more fiducial markers to form a three-dimensional superimposed image. The superimposed image can be used to track wound healing and to excise cancerous tissues, for example, breast tumors. Images can be in the form of videos.

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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).

Declarations under Rule 4.17:

- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*
- *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*