

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
13 February 2025 (13.02.2025)



(10) International Publication Number
WO 2025/032545 A1

(51) International Patent Classification:
A61B 6/50 (2024.01)

(21) International Application Number:
PCT/IB2024/057717

(22) International Filing Date:
09 August 2024 (09.08.2024)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/518,536 09 August 2023 (09.08.2023) US

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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, 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, UZ, VC, VN, WS,
ZA, ZM, ZW.

(54) Title: POST-PCI CORONARY ANALYSIS

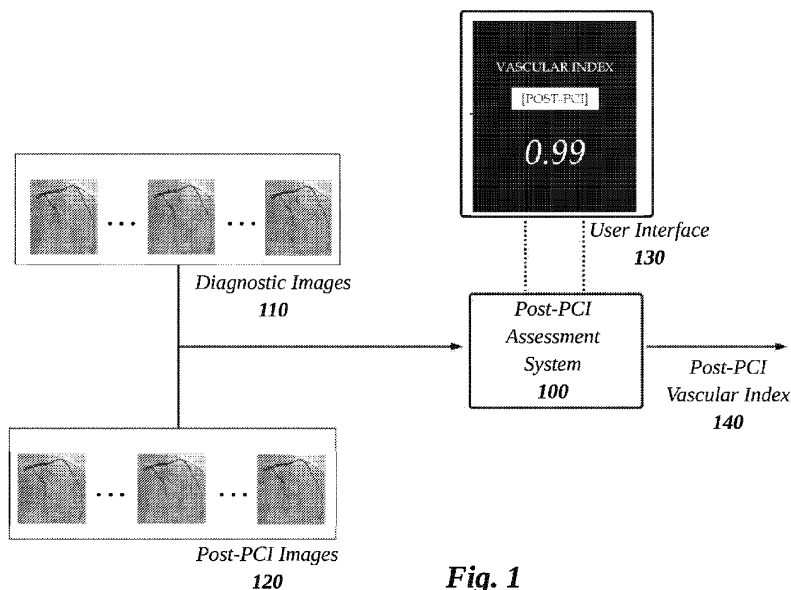


Fig. 1

(57) Abstract: Systems and methods for post-PCI coronary analysis. An example method includes accessing a plurality of angiographic images depicting at least one vessel of a patient's heart, the angiographic images including two or more post-percutaneous coronary intervention (post-PCI) images and one or more diagnostic images, wherein the post-PCI images depict a PCI location in which a PCI is included to revascularize a lesion, and wherein the diagnostic images depict the lesion; receiving, via a user interface presenting the post-PCI images, user input specifying positions of the PCI location in the post-PCI images; determining an index indicative of vascular function based on the angiographic images, wherein the index is derived based on a three-dimensional model of the portion of the patient's heart, and wherein individual portions of the diagnostic images depicting the lesion are masked during generation of three-dimensional model; and presenting, via the user interface, summary information associated with PCI, the summary information

[Continued on next page]

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, 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).

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *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))*
- *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*

including at least the determined index.