

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
16 December 2021 (16.12.2021)



(10) International Publication Number
WO 2021/252522 A1

(51) International Patent Classification:

G16H 15/00 (2018.01) G16H 50/70 (2018.01)
G16H 20/40 (2018.01) G16H 40/67 (2018.01)
G16H 50/30 (2018.01)

(21) International Application Number:

PCT/US2021/036457

(22) International Filing Date:

08 June 2021 (08.06.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/036,299 08 June 2020 (08.06.2020) 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, 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,

(54) Title: SYSTEM AND METHOD FOR PROVIDING ANALYTICS RELATING TO PATIENTS AND MEDICAL INTERVENTIONS

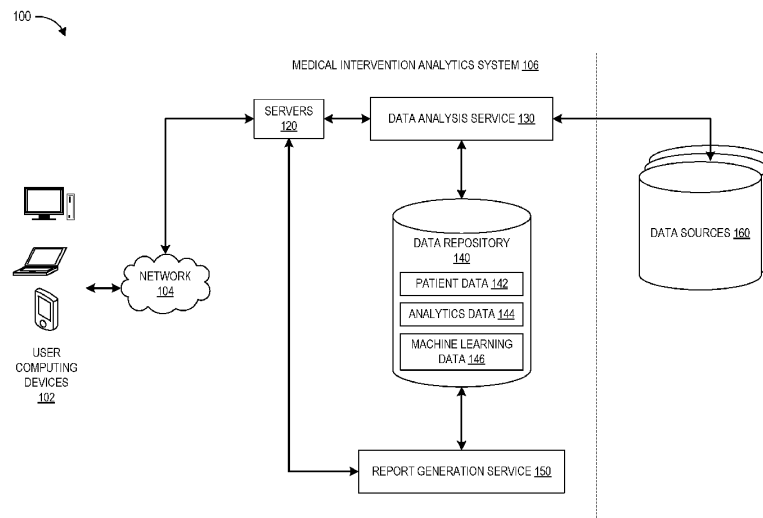


FIG. 1

(57) Abstract: Generally described, one or more aspects of the present application relate to enabling determination of a predicted surgical efficacy of a proposed surgical intervention and a predicted pattern of post-operative recovery for the patient. More specifically, the present disclosure provides a system that can analyze the patient data of a plurality of patients data, generate analytics data indicating the post-operative recovery of the plurality of patients, and store the analytics data in association with the biological traits of the patients and the types of surgical interventions that the patients had. Subsequently, the system can analyze the patient traits and activity data of a patient, and output, based on the previously generated analytics data, a prediction of how efficacious a given surgical intervention might be for that patient and/or how the patient might recover from the given surgical intervention.

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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))