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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
4 April 2013 (04.04.2013)

WIPO | PCT

(10) International Publication Number
WO 2013/049771 A1

(51) International Patent Classification:
G06Q 50/22 (2012.01)

(21) International Application Number:
PCT/US2012/058189

(22) International Filing Date:
30 September 2012 (30.09.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/541,468 30 September 2011 (30.09.2011) US

(71) Applicant: **UNIVFY INC.** [US/US]; 685 Jay Street, Los Altos, California 94022 (US).

(72) Inventors: **YAO, Mylene**; 685 Jay Street, Los Altos, California 94022 (US). **WONG, Wing H.**; 821 Santa Fe Avenue, Stanford, California 94305 (US). **CHOI, Bokyung**; 1755 O'Farrell Street, APT 305, San Francisco, California 94115 (US).

(74) Agent: **CANAAN, Karen**; PO Box 1860, Los Gatos, California 95031-1860 (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, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, 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, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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, 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, ML, MR, NE, SN, TD, TG).

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))*

(54) Title: METHOD FOR GENERATING HEALTHCARE-RELATED VALIDATED PREDICTION MODELS FROM MULTIPLE SOURCES

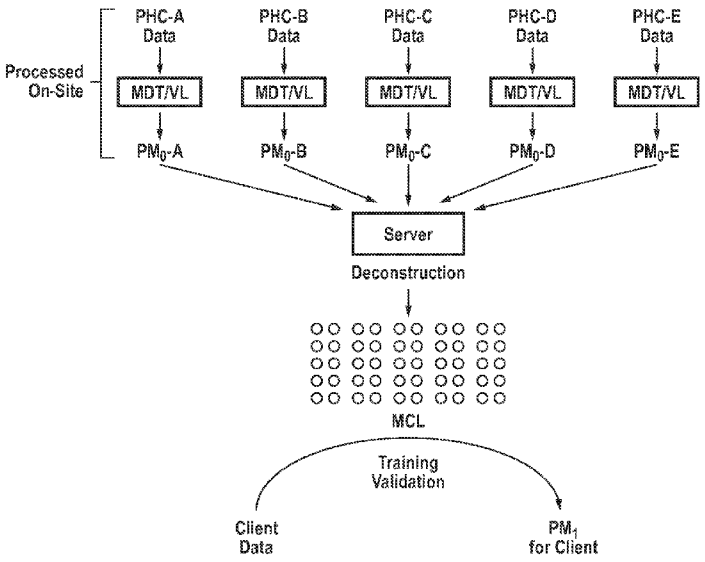


FIG. 2

(57) Abstract: Provided is a method for generating prediction models from multiple healthcare centers. The method allows a third party to use data sets from multiple sources to build prediction models. By entering the data sets in a Model Deconstruction and Transfer (MDT) platform, a healthcare center may provide data to a third party without the need to de-identify data or to physically transfer any identifying or de-identified data from the healthcare center. The MDT platform includes a variable library, which allows the healthcare center to select variables that will be used to generate and validate the prediction model. Also provided is a method for compensating sources that contribute data sets based upon the percentage of clinical data that is used to generate a prediction model.

WO 2013/049771 A1