

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
25 April 2024 (25.04.2024)



(10) International Publication Number
WO 2024/085774 A1

(51) International Patent Classification:

G06Q 20/22 (2012.01) G06Q 20/389 (2006.01)
G06F 40/279 (2020.01) G06Q 40/02 (2023.01)
G06Q 10/04 (2023.01)

(21) International Application Number:

PCT/NZ2023/050108

(22) International Filing Date:

16 October 2023 (16.10.2023)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2022903039 17 October 2022 (17.10.2022) AU

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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: METHODS AND SYSTEMS FOR PREDICTING CASH FLOW

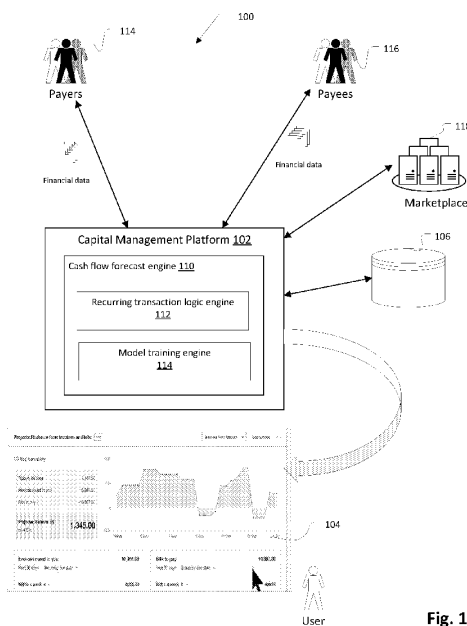


Fig. 1

(57) Abstract: Described embodiments generally relate to a computer-implemented method of predicting transaction data. The method comprises determining a dataset of transactions occurring during a first time period; generating a numerical representation of each transaction in the dataset; determining a recursion pattern for each transaction in the dataset based on the generated numerical representations; determining at least one group of transactions from the dataset having the same recursion pattern; and predicting at least one future transaction based on the group of transactions and the recursion pattern.

[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).

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*