

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
21 November 2019 (21.11.2019)



(10) International Publication Number
WO 2019/222507 A1

- (51) **International Patent Classification:**
G06Q 40/02 (2012.01)
- (21) **International Application Number:**
PCT/US2019/032677
- (22) **International Filing Date:**
16 May 2019 (16.05.2019)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
201810476443.6 17 May 2018 (17.05.2018) CN
- (71) **Applicant: ALIBABA GROUP HOLDING LIMITED**
[—/US]; Fourth Floor, One Capital Place, P.O. Box 847,
George Town, KY1-1103 (KY).
- (72) **Inventor: YANG, Xinying;** Alibaba Group Legal Department 5/F, Building 3, No. 969 West Wen Yi Road, Yu Hang District, Hangzhou, 311121 (CN).
- (74) **Agent: MATTSON, Matthew, J.;** Fish & Richardson, P.C., P.O. Box 1022, Minneapolis, MN 55440-1022 (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, 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, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(54) **Title:** BLOCKCHAIN-BASED RESOURCE VALUE EVALUATION METHODS AND APPARATUS

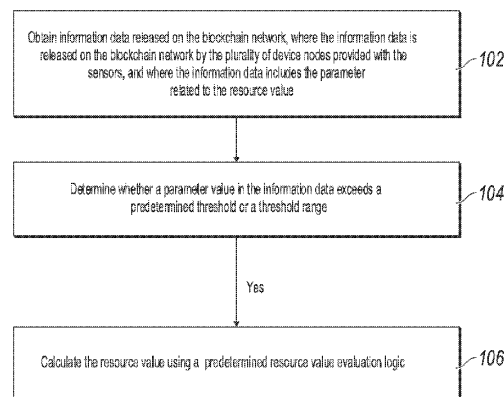


FIG. 1

(57) **Abstract:** Information data released on a blockchain network is obtained, where the information data is released on the blockchain network by a plurality of device nodes provided with sensors, where the information data comprises a parameter related to a resource value, where the blockchain network comprises the plurality of device nodes provided with the sensors, and where the sensors are configured to perceive or collect the parameter related to the resource value. Whether a parameter value in the information data exceeds a predetermined threshold or a threshold range is determined. In response to determining that the parameter value in the information data exceeds the predetermined threshold or the threshold range, the resource value is calculated using resource value evaluation logic.

[Continued on next page]

(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))