

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
08 October 2020 (08.10.2020)



(10) International Publication Number
WO 2020/205044 A1

(51) International Patent Classification:
G06F 9/50 (2006.01)

(21) International Application Number:
PCT/US2020/016024

(22) International Filing Date:
31 January 2020 (31.01.2020)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
201910248877.5 29 March 2019 (29.03.2019) CN

(71) Applicant: **ALIBABA GROUP HOLDING LIMITED**
[—/US]; Fourth Floor, One Capital Place, P.o. Box 847,
George Town, KY1-1103 (KY).

(72) Inventor: **LIU, Lindong**; Alibaba Group Legal Dept 5/
F, Bldg. #3, 969 West Wen Yi Road, Yu Hang District,
Hangzhou, Zhejiang, 311121 (CN).

(74) Agent: **SARKAR, Indranil** et al.; P.O. Box 1022, Min-
neapolis, 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, 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))

(54) Title: BLOCKCHAIN-BASED RESOURCE ALLOCATION METHOD AND APPARATUS

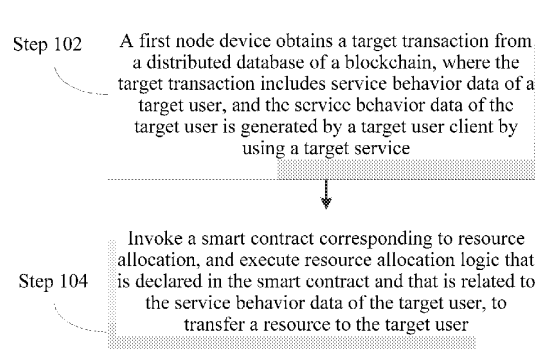


FIG. 1

(57) Abstract: One or more implementations of the present specification provide a blockchain-based resource allocation method and apparatus, applied to a blockchain network that includes a target user client and a first node device. The method includes: obtaining, by the first node device, a target transaction from a distributed database of a blockchain, where the target transaction includes service behavior data of a target user, and the service behavior data of the target user is generated by the target user client by using a target service; and invoking a smart contract corresponding to resource allocation, and executing resource allocation logic that is declared in the smart contract and that is related to the service behavior data of the target user, to transfer a resource to the target user.

WO 2020/205044 A1