

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
22 June 2023 (22.06.2023)



(10) International Publication Number
WO 2023/114035 A1

(51) International Patent Classification:

G06Q 20/06 (2012.01) G06Q 20/32 (2012.01)
G06Q 20/38 (2012.01) G06Q 20/22 (2012.01)
G06Q 20/36 (2012.01)

(21) International Application Number:

PCT/US2022/051795

(22) International Filing Date:

05 December 2022 (05.12.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

17/550,596 14 December 2021 (14.12.2021) 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, 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, MW, MX, MY, MZ, NA, NG,

(54) Title: METHOD AND SYSTEM FOR ENABLING TRACEABLE PRIVACY-MAINTAINING MULTI-HOP OFFLINE TRANSACTIONS IN DIGITAL CURRENCIES

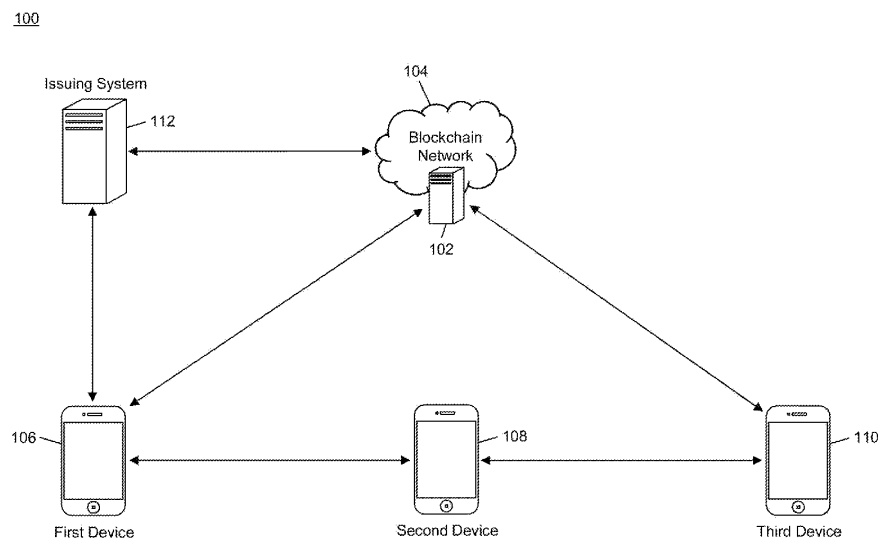


FIG. 1

(57) Abstract: A method for processing offline cryptocurrency transfers includes: receiving, by a receiver of a computing device, a first transfer message, wherein the first transfer message is cryptographically signed using a first private key of a first key pair; validating, by a processor of the computing device, the cryptographic signature of the first transfer message using a first public key of the first key pair; storing, in a memory of the computing device, the validated first transfer message; receiving, by an input device of the computing device, a transfer instruction, the transfer instruction including at least a communication address; and electronically transmitting, by a transmitter of the computing device, the validated first transfer message to an external device based on at least the communication address.

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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, CV, 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, 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))