



(51) International Patent Classification:
Not classified

(21) International Application Number:
PCT/SG2023/050094

(22) International Filing Date:
17 February 2023 (17.02.2023)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10202202009T 28 February 2022 (28.02.2022) SG

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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, 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, 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).

(54) Title: COMPUTER-IMPLEMENTED METHOD, COMPUTER PROGRAM AND COMPUTER-READABLE MEDIUM USING A CHAMELEON HASH FUNCTION

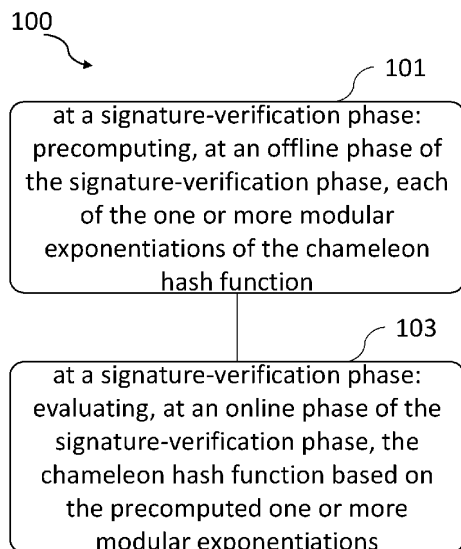


FIG. 1

(57) Abstract: In some aspects, a computer-implemented method using a chameleon hash function is provided. The chameleon hash function includes one or more modular exponentiations and one or more modular multiplications. The method includes, at a signature-verification phase: precomputing, at an offline phase of the signature-verification phase, at least partially each of the one or more modular exponentiations of the chameleon hash function; and evaluating, at an online phase of the signature-verification phase, the chameleon hash function based on the precomputed one or more modular exponentiations and one or more modular multiplications.

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