

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
13 January 2022 (13.01.2022)



(10) International Publication Number
WO 2022/008247 A1

(51) International Patent Classification:
H04L 9/08 (2006.01) **H04L 9/14** (2006.01)

(21) International Application Number:
PCT/EP2021/067134

(22) International Filing Date:
23 June 2021 (23.06.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
16/925,403 10 July 2020 (10.07.2020) 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, 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, IT, 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).

(54) Title: DISTRIBUTING ENCRYPTED DATA OBJECTS

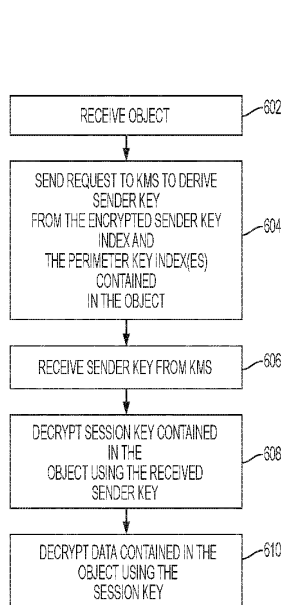


FIG. 6

(57) Abstract: Aspects include encrypting data based at least in part on a session key to generate encrypted data. The session key is encrypted based at least in part on a sender key to generate an encrypted session key. A request for an encrypted sender key index is transmitted to the KMS, the request includes an index of the sender key and an index of each of one or more additional keys. The encrypted sender key index is received from the KMS. An object that includes the encrypted data, the encrypted session key, the index of each of the one or more additional keys, and the encrypted sender key index is generated. Access to the data via the object is controlled based at least in part on whether a receiver has access to the sender key and to the one or more additional keys.

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Published:

— with international search report (Art. 21(3))