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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
20 February 2025 (20.02.2025)

WIPO | PCT

(10) International Publication Number
WO 2025/035799 A1

(51) International Patent Classification:
H04W 36/00 (2009.01)

(21) International Application Number:
PCT/CN2024/086679

(22) International Filing Date:
08 April 2024 (08.04.2024)

(25) Filing Language: English

(26) Publication Language: English

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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,

(54) Title: SECURITY RELATED MECHANISM FOR LTM

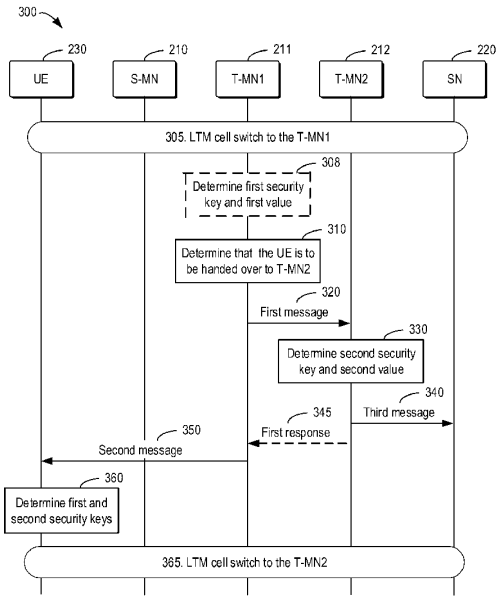


FIG. 3

(57) Abstract: Example embodiments of the present disclosure relate to MNs, a UE, a core network entity, methods, apparatuses, processors, and computer readable medium for a security related mechanism. In the solution, a first MN may transmit, to a second MN, a first message comprising a first security key and an associated first value, the first security key is to be used between the UE and the second MN after the UE hands over from the first MN to the second MN in an LTM procedure. The first MN may transmit, to the UE, a second message indicating: the first value to be used by the UE for derivation of the first security key associated with the second MN, and a second value to be used by the UE for derivation of a second security key associated with an SN, and the SN remains unchanged after the UE hands over from the first MN to the second MN. As such, a security communication can be made for a subsequent LTM in the LTM procedure.

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MA, MD, MG, MK, MN, MU, 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).

Published:

— *with international search report (Art. 21(3))*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*
— *upon request of the applicant, before the expiration of the time limit referred to in Article 21(2)(a)*