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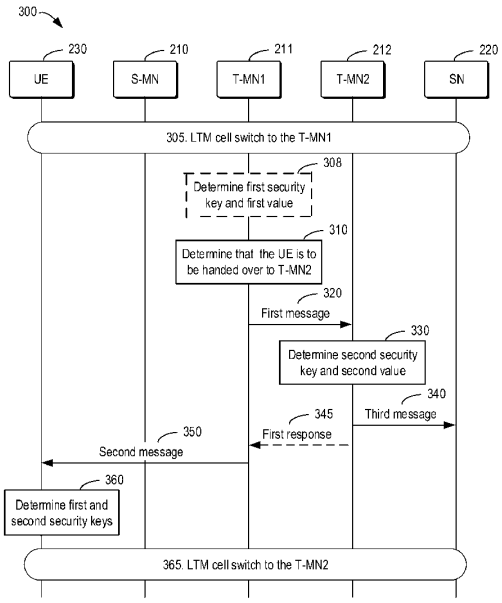


FIG. 3

(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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