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(54) **EVOLVED NOTDE-B, USER EQUIPMENT, AND METHOD FOR TRANSITION BETWEEN IDLE
AND CONNECTED MODES**

(57) Embodiments of an Evolved Node-B (eNB) and methods for transition between idle and connected modes are disclosed herein. The eNB may initiate a Radio Resource Control connection suspend procedure for an IoT User Equipment. The RRC connection suspend procedure may include: transmission to a Mobility Management Entity over an S1 interface, of a UE context suspend request message to indicate a suspension of a RRC connection of the UE and to suspend a context of the UE. Receiving from the MME over the S1 interface a UE context suspend response message acknowledging the UE context suspend request message. Transmitting to the UE, a RRCConnectionRelease message to suspend the RRC connection of the UE, the latter message including one or more indicators to notify the UE to suspend the RRC connection and to store Access Stratum context. During a suspension of the RRC connection, one or more suspended data radio bearers remain established and inactive. The one or more indicators are stored.

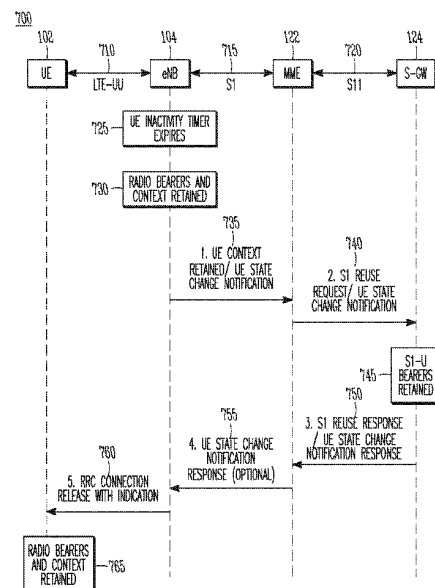


FIG. 7

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