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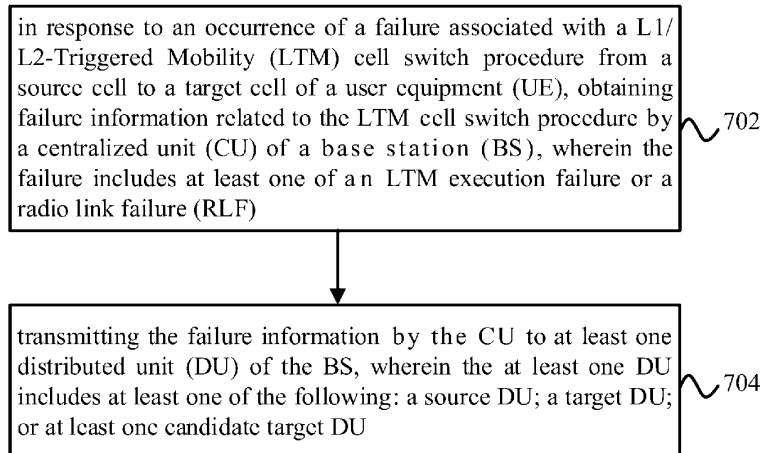


Figure 7

(57) Abstract: Various aspects of the present disclosure relate to methods and apparatuses for a Mobility Robustness Optimization (MRO) mechanism for a failure in a L1/L2-Triggered Mobility (LTM) procedure. According to an embodiment of the present disclosure, a centralized unit (CU) of a base station (BS) includes at least one memory and at least one processor coupled to the at least one memory and configured to cause the network node to: in response to an occurrence of a failure associated with a L1/L2-Triggered Mobility (LTM) cell switch procedure from a source cell to a target cell of a user equipment (UE), obtaining failure information related to the LTM cell switch procedure, wherein the failure includes at least one of an LTM execution failure or a radio link failure (RLF); and transmitting the failure information to at least one distributed unit (DU) of the BS, wherein the at least one DU includes at least one of the following: a source DU; a target DU; or at least one candidate target DU.

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