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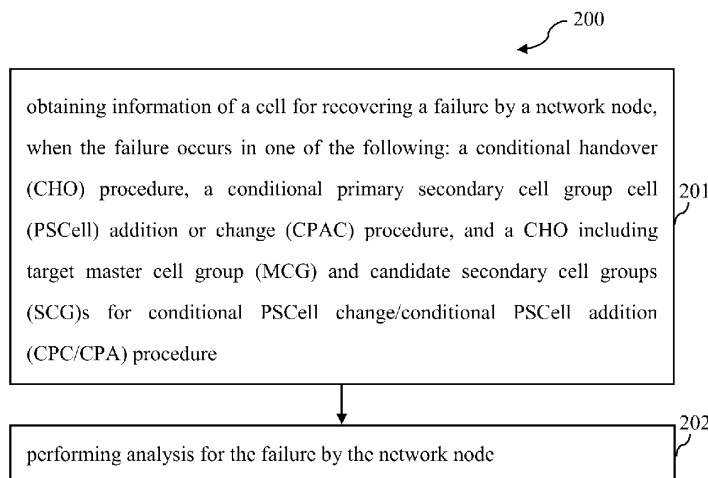


FIG. 2

(57) Abstract: Embodiments of the present application relate to methods and apparatuses of a mobility robustness optimization (MRO) mechanism for a mobility procedure, for example, a MRO mechanism for a conditional handover (CHO) procedure, or a MRO mechanism for a conditional primary secondary cell group cell (PSCell) change/conditional PSCell addition (CPC/CPA) procedure, or a MRO mechanism for a CHO including target master cell group (MCG) and candidate secondary cell groups (SCG) s for CPC/CPA procedure. According to an embodiment of the present application, a network node includes a transceiver and a processor coupled to the transceiver, and the processor is configured to cause the network node to: obtain information of a cell for recovering a failure, when the failure occurs in one of the following: a CHO procedure, a conditional PSCell addition or change (CPAC) procedure, and a CHO including target MCG and candidate SCGs for CPC/CPA procedure; and perform analysis for the failure.

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