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- (54) **Title:** INTER-SN SCG LTM

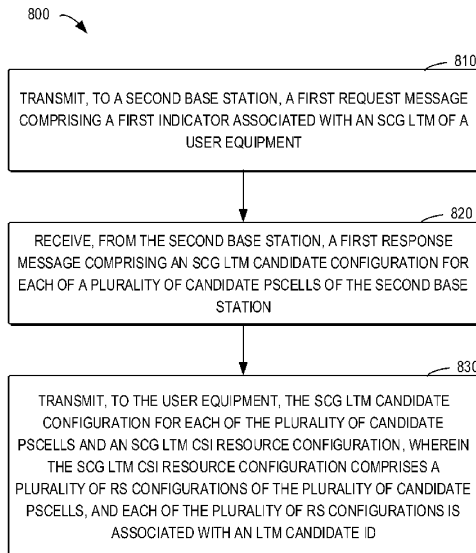


FIG. 8

(57) **Abstract:** Example embodiments of the present disclosure relate to base stations, user equipment, methods, apparatuses, and computer readable medium for inter-SN SCG LTM. In the solution, a first base station (e.g. MN) transmits a first request message to a second base station (e.g. candidate T-SN), the first request message includes a first indicator associated with SCG LTM of UE. The second base station transmits a first response message to the first base station, and the first response message includes an SCG LTM candidate configuration for each candidate PSCell. The first base station may provide an SCG LTM CSI resource configuration and the SCG LTM candidate configuration for each candidate PSCell to the UE. As such, the SCG LTM CSI resource configuration may be used for L1 measurement and the SCG LTM candidate configuration may be used for connecting to a target PSCell. Therefore, an inter-SN SCG LTM may be supported.

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