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(54) **Title:** METHOD AND APPARATUS FOR IDENTIFICATION OF REDCAP UES

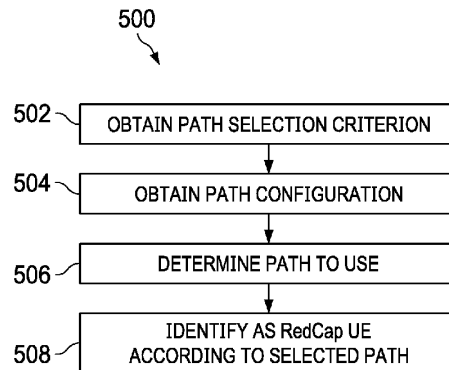


FIG. 5

(57) **Abstract:** A user equipment (UE) may determine, based on a criterion, whether to indicate, to a gNB, that it is a reduced capability (RedCap) UE during or after a random access (RA) procedure, and indicate that it is the RedCap UE during or after the RA procedure according to a determination result. The RedCap UE has a reduced quantity of receive branches or a reduce bandwidth than a non-RedCap UE. The gNB may determine whether a first message received during the RA procedure indicates that the UE is the RedCap UE. When the first message indicates the UE as the RedCap UE, the gNB sends a second message to the UE during the RA procedure using a coverage recovery technique. When the first message does not indicate the UE as the RedCap UE, the gNB determines whether the UE is the RedCap UE after the RA procedure is completed.

[Continued on next page]

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