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(54) **Title:** METHODS AND APPARATUSES OF A MOBILITY ROBUSTNESS OPTIMIZATION (MRO) MECHANISM FOR A NON-TERRESTRIAL NETWORK (NTN)

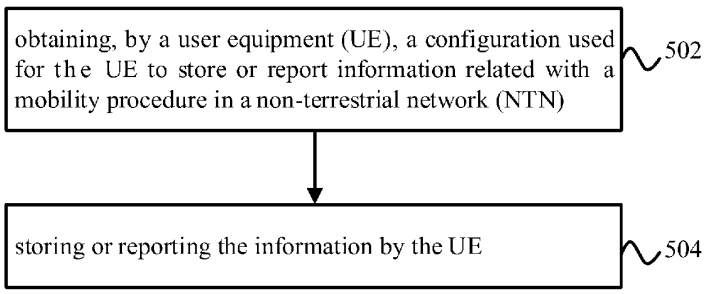


Figure 5

(57) **Abstract:** Various aspects of the present disclosure relate to methods and apparatuses of a mobility robustness optimization (MRO) mechanism for a non-terrestrial network (NTN). According to an embodiment of the present disclosure, a user equipment (UE) includes at least one memory and at least one processor coupled to the at least one memory and configured to cause the UE to: obtain a configuration used for the UE to store or report information related with a mobility procedure in a non-terrestrial network (NTN); and store or report the information related with mobility in the (NTN).

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