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(54) **DISTRIBUTED CONTROL IN WIRELESS SYSTEMS**

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(57)

**ABSTRACT**

Systems, procedures, and instrumentalities are disclosed for distributed control in wireless systems, such as 5G flexible radio access technology (RAT) (5gFLEX). Example procedures are provided for WTRU and network operation associated with a distributed control plane architecture, connectionless data transfer and dedicated system information acquisition. Distributed control may be provided, for example, by replicating a plurality of access control functions (ACFs) using a plurality of instances in a plurality of different transmission/reception points (TRPs) with multi-connectivity. The plurality of TRPs may concurrently provide control services to a WTRU. Centralized control functions may manage core network connectivity and/or a plurality of user plane instances for the WTRU and/or may facilitate coordination between the plurality of ACF instances for the WTRU in the plurality of different TRPs of the WTRU's configuration.

**Related U.S. Application Data**

(60) Provisional application No. 62/334,704, filed on May 11, 2016, provisional application No. 62/400,810, filed on Sep. 28, 2016, provisional application No. 62/416,499, filed on Nov. 2, 2016, provisional application No. 62/442,317, filed on Jan. 4, 2017.

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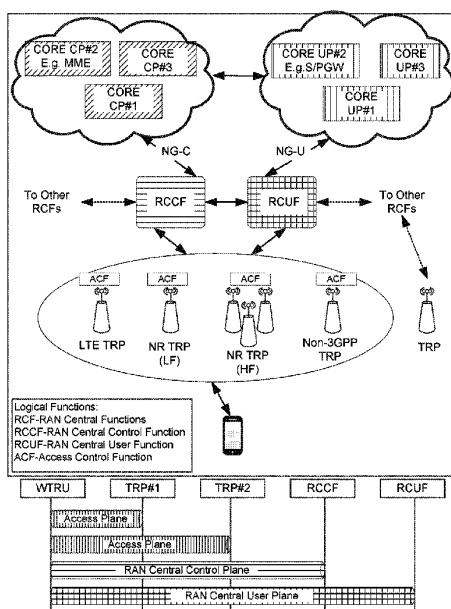
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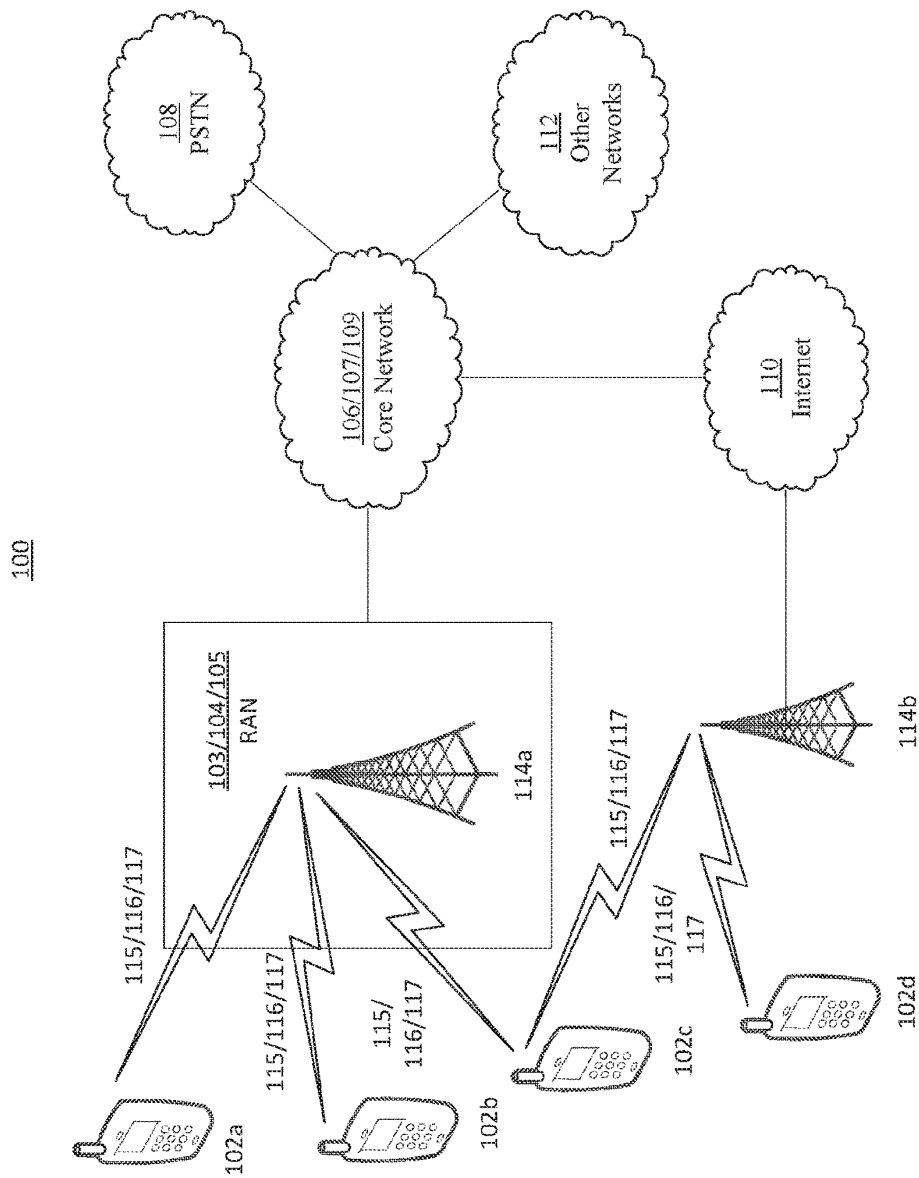


FIG. 1A

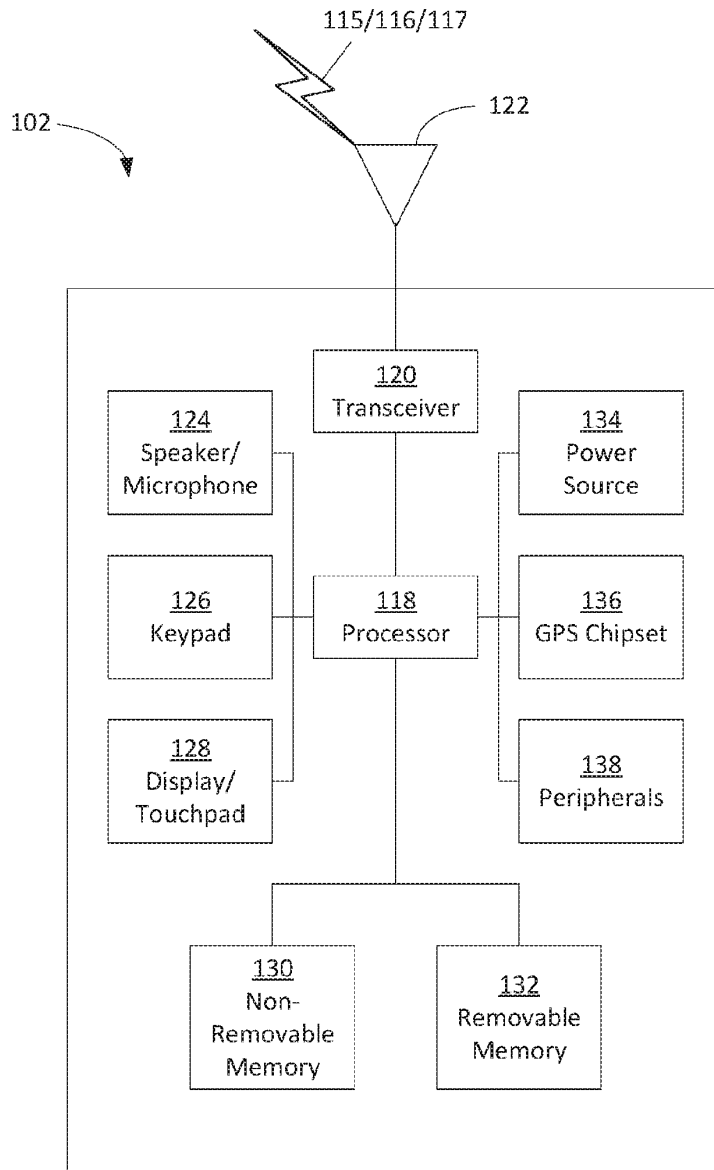


FIG. 1B

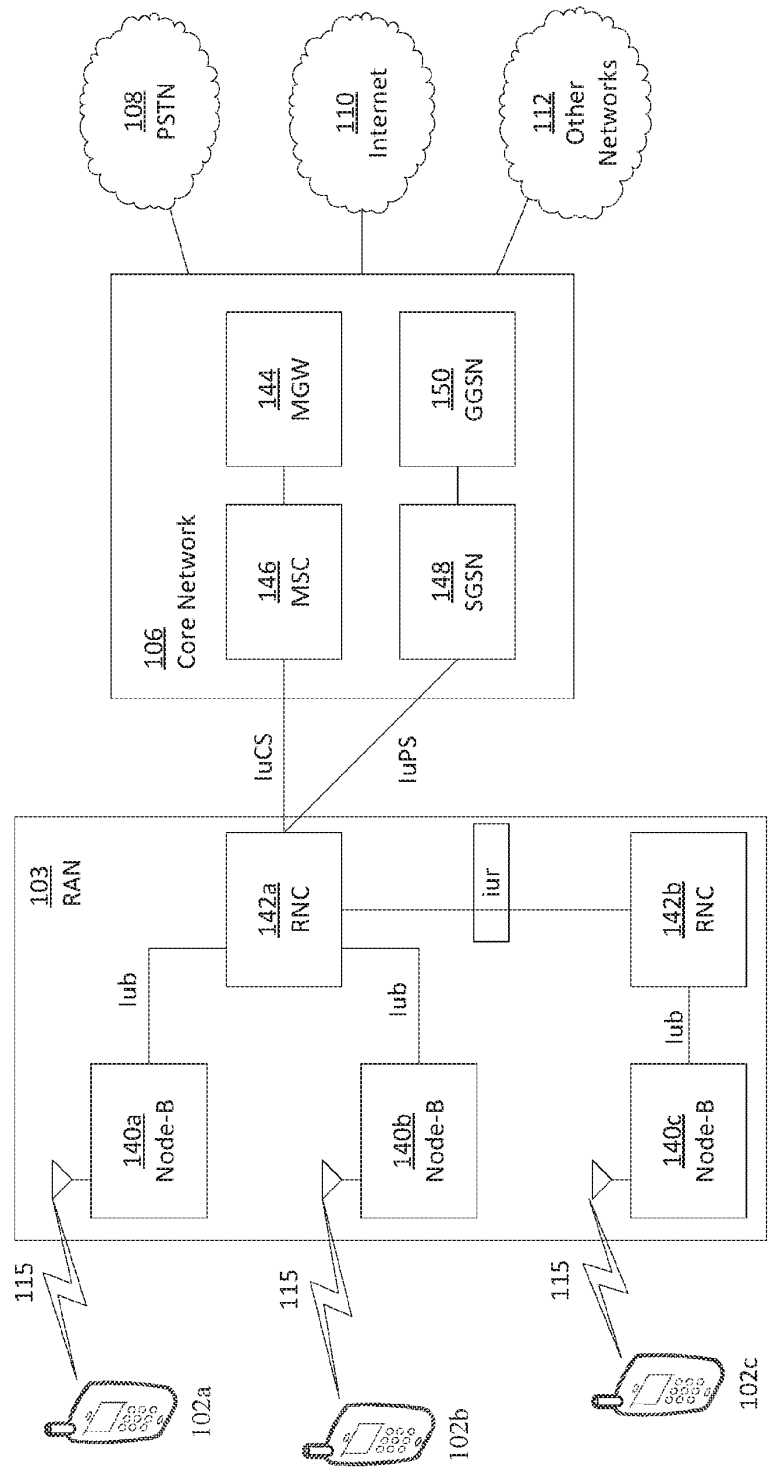


FIG. 1C

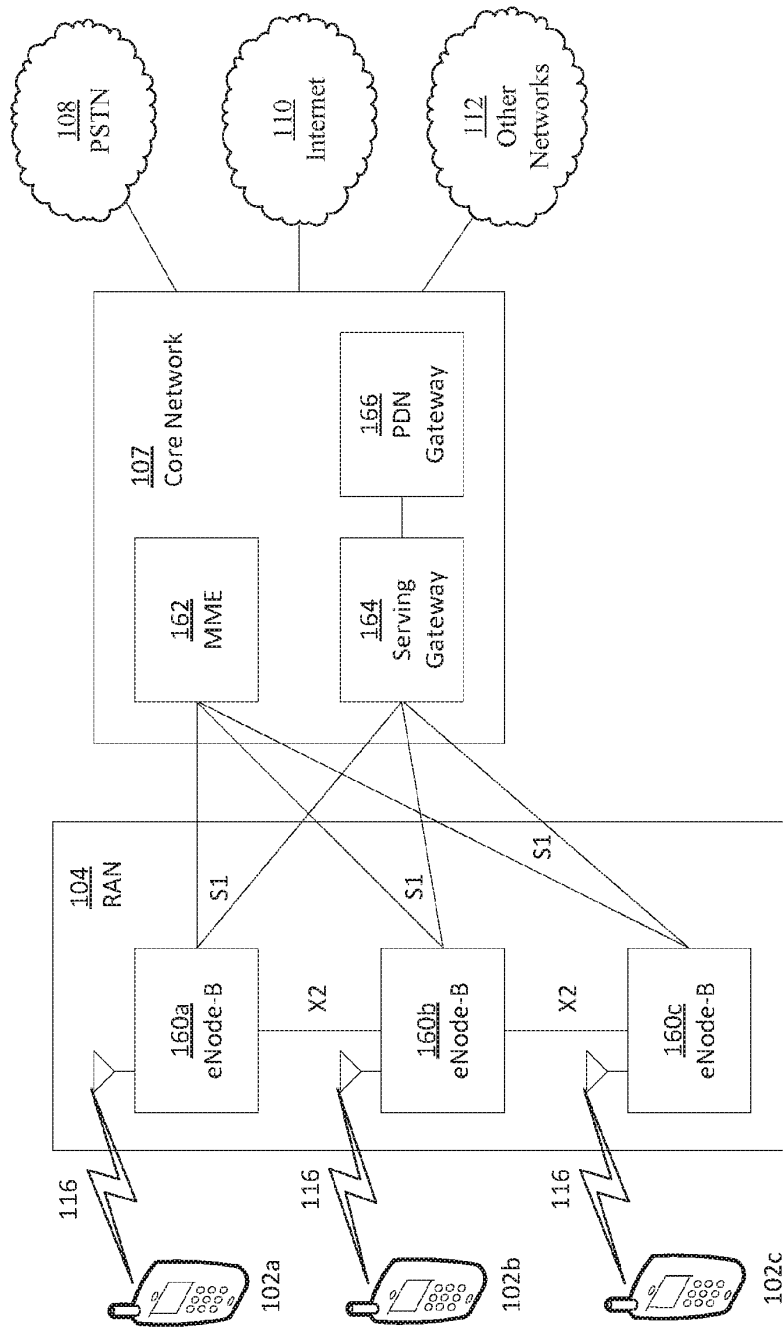


FIG. 1D

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