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(54) Title: INTERFERENCE COORDINATION FOR PEER-TO-PEER (P2P) COMMUNICATION AND WIDE AREA NETWORK (WAN) COMMUNICATION

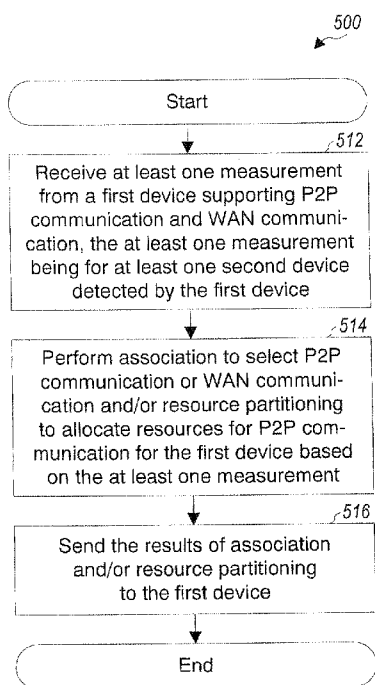


FIG. 5

(57) Abstract: Techniques for supporting peer-to-peer (P2P) communication in a wide area network (WAN) are disclosed. In an aspect, interference coordination between P2P devices engaged in P2P communication and WAN devices engaged in WAN communication may be performed based on a network-controlled architecture. For the network-controlled architecture, P2P devices may detect other P2P devices and/or WAN devices and may send measurements (e.g., for pathloss, interference, etc.) for the detected devices to the WAN (e.g., serving base stations). The WAN may perform resource partitioning and/or association for the P2P devices based on the measurements. Association may include selection of P2P communication or WAN communication for a given P2P device. Resource partitioning may include allocation of resources to a group of P2P devices for P2P communication. The WAN may send the results of association and/or resource partitioning to the P2P devices, which may communicate in accordance with the association and/or resource partitioning results.

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