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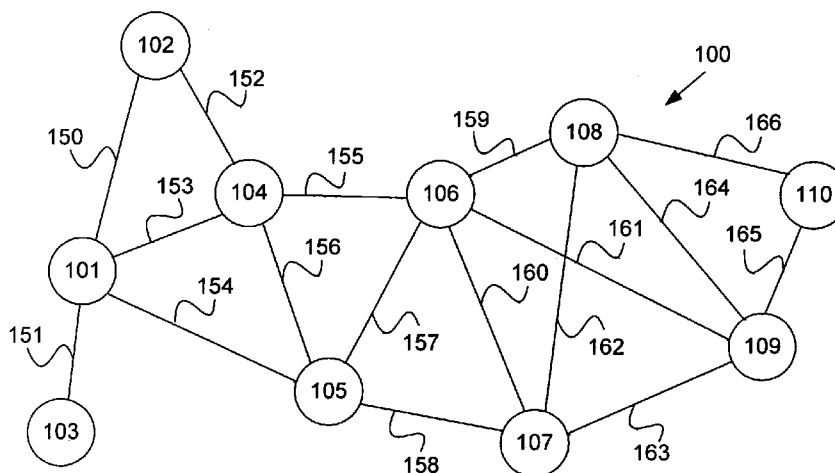


FIG. 1

(57) Abstract: The disclosure describes systems and methods for determining a route in a network. A method according to one embodiment includes determining a set of neighbor nodes that are within wireless communications range of a current node, determining that a route is needed from a source to a destination node, selecting a first neighbor node that is located closest to the destination node as the next hop in the route, and sending a route-request message to the first neighbor node. The process continues on a hop-by-hop basis until reaching the destination node, whereupon a route-reply message is sent back to the source node confirming that the route has been determined.