ABSTRACT OF THE DISCLOSURE

TIME SYNCHRONIZATION OF MESH NETWORK NODES

One embodiment of the present invention sets forth a technique for performing time synchronization within a network. The technique includes receiving, from a first node in the network and at a first receive time, a first periodic beacon that includes a first network time associated with the first node. The technique also includes determining a second receive time at which a second periodic beacon from the first node is to be received based on the first network time and the first receive time. The technique further includes calculating a first listening window for the second periodic beacon based on the second receive time, a first jitter uncertainty, and a first drift uncertainty, and listening for the second periodic beacon during the first listening window.

FIG. 4