ABSTRACT OF THE DISCLOSURE

RESOLVING BEACON TRANSMISSION CONFLICTS IN MESH NETWORK NODES

One embodiment of the present invention sets forth a technique for performing time synchronization within a network. The technique includes detecting a first scheduling conflict between a first transmission time associated with a first periodic beacon from a first node in the network and a second transmission time associated with a second periodic beacon from a second node in the network. The technique also includes determining a first alternate transmission time associated with the first periodic beacon based on a position of the first node in the network and the first transmission time. The technique further includes transmitting the first periodic beacon at the first transmission time, and transmitting an alternate periodic beacon at the first alternate transmission time.

FIG. 9