

ABSTRACT

NEW WLAN TDM PROTOCOL

A first wireless network device in a wireless network that includes a plurality of wireless network devices comprises an RF transceiver that transmits and receives data packets and that periodically transmits or receives a beacon. A control module communicates with the RF transceiver, determines a transmission position m and a default IFS time based on the beacon, selects a second IFS time when the RF transceiver receives a data packet from a second wireless network device having a transmission position $m-1$, and selects the default IFS time when the RF transceiver does not receive a data packet from the second wireless network device.

FIG. 5



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