

METHOD, DEVICE, AND SYSTEM FOR JOINING NEIGHBOR AWARENESS NETWORK DEVICE CLUSTER

ABSTRACT

The present invention discloses a method, device, and system for joining a
5 neighbor awareness network device cluster. When a wireless device in a first
neighbor awareness network device cluster discovers a second neighbor awareness
network device cluster by means of scanning, if it is necessary to join the second
neighbor awareness network device cluster, the wireless device leaves the first
neighbor awareness network device cluster and joins the second neighbor awareness
10 network device cluster. Because the wireless device does not belong to multiple
neighbor awareness network device clusters at the same time, power consumption of
the wireless device is low. Meanwhile, as time progresses, when all wireless devices
in the first neighbor awareness network device cluster leave, and join the second
neighbor awareness network device cluster, a discovery time window of the first
15 neighbor awareness network device cluster on a working channel is no longer
occupied, which increases available resources on the working channel.

Figure 6