

ABSTRACT

An autonomously dispersed type wireless network is suitably formed with communication stations avoiding collision of beacons transmitted one to another.

In the event that the range of reach of airwaves change and a receivable state is created and beacons collide, a communication station changes the beacon transmission position of itself in response to receiving a beacon from another station at a timing immediately prior to transmission to its own beacon. Also, in the event that beacon collision is exposed due to emergence of a new communication which can perform reception from two systems out of airwave range of each other, the newly-participating station requests one of the communication stations of which the beacons are colliding to change the beacon transmission timing.