

ABSTRACT**Method for allocating radio resources in a wireless network, by learning**

The invention relates to a method for allocating radio resources, by learning, based on a state diagram and in particular consists in introducing a tolerance interval the limits of which are updated automatically in order to take into account the non-deterministic influence of perturbations of the propagation channels in a wireless network. The tolerance interval is taken into account in the decisions made in the transitions of the state diagram. These transitions depend on the current value of the measured quality metric, which corresponds to the overall state of the communication links in a group of the network.

Figure 13