

ABSTRACT

METHOD FOR DYNAMICALLY ALLOCATING RESOURCES IN A NETWORK OF STATION CLUSTERS

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- A distributed method for dynamically assigning time-frequency resources in a network comprising several stations, the stations being organized in groups (or interfaces) of several stations, each group comprising an allocation table T_{si} , each group exchanges this allocation table by means of a signaling protocol with groups that are defined as being in conflict with it by a constraints graph, the method using an arbitration function to settle the conflicts and the assignments of allocations between the groups in conflict according to the constraints graph, and is characterized in that it comprises at least the following steps:
- 10 - each interface J_i transmits the allocation table T_{Ji} associated with it to the interfaces K indicated as being in conflict in the constraints graph;
 - an interface J_i looks, for each allocation A_{Ji} that it has entered in its table T_{Ji} , whether the allocation A_{Ji} is used in the table received from an interface K that is in conflict; and
 - 20 - the interface J_i uses the arbitration function to modify the allocation A_{Ji} in the table T_{Ji} .

Figure 4 to be published