

ABSTRACT

Method for allocating resources, in a mobile and meshed communications network, with limitation of the inter-cluster interference, system and network implementing the method

Method for allocating communications resources in a mobile meshed network structured as a plurality of clusters each comprising at least one node, the said method being characterized in that it comprises at least the following steps:

- a step of generating a chart of configurations each comprising a different allocation priority index for each time slot of the said time window, the said indices varying from 0 to $n-1$,
- a step of assigning a configuration, from among the generated set of configurations, to each cluster in such a way that a predetermined number N_p of priority indices are not assigned to the same slots for the clusters which are mutually adjacent,
- a step of allocating the time slots to the intra cluster communications in the order of the priorities which are defined in the configuration assigned to the said cluster, the priority index associated with a slot increasing with the order of allotting of a slot to a new communication, a new slot being allotted only if all the slots whose priority index is smaller are already allocated to a communication.

Fig 3



I62162



G00002