

Abstract

The invention relates to a method and a system for broadcasting one or more signalling messages in a communication network comprising at least two clusters, characterized in that it comprises at least the following steps:

- at least one cluster head of a first cluster transmits a signalling message M to a set of nodes located in its cluster, using a dedicated radio resource,
- the nodes of the first cluster having received and decoded the signalling message M relay this signalling message M to one or more nodes of the other clusters of the network that are in radio range using a distributed cooperative coherent transmission mechanism, on a radio resource of a dedicated common channel CS,
- the node or nodes having received and decoded the signalling message M transmit it to their cluster head using a distributed cooperative transmission method on a dedicated radio resource CH_j.

Figure 3 to be published