

least one relay terminal module (30), a relay terminal module of a node being able to discover the access point module of the neighboring nodes and initiate an attachment process with an access point module of a selected neighboring node, a relay terminal module of a node being attached to at least one access point module of a neighboring node,

characterized

in that it includes a service radiocommunication infrastructure (70);

in that each node includes a communication module (60) able to connect to said infrastructure;

in that it includes a processing unit (80) able to exchange messages with each of the nodes of the network via said infrastructure;

in that each node (i) includes a control module (40) able to acquire a geographic position of said node and send the acquired geographical position to the processing unit;

and in that the processing unit is able to compute an optimal topology (A) of the network by modifying the possible attachments between nodes considered to be neighboring based on their relative geographic position, selecting, from the optimal topology, for each node, the neighboring node (j) to which the considered node must connect, and sending to each node an identifier of the selected neighboring node in order to command the relay terminal module of the node considered to initiate an attachment process to the access point module of the selected neighboring node indicated by the processing unit.

9.- The system according to claim 8, wherein the relay terminal module (30) of each node (1) is adjustable based on operating parameters, and in that the processing unit (80) is able to determine, for each node, the operating parameters (fj, cj) allowing the relay terminal module of said node (1) to establish an attachment to the selected node (j), and to send each node, in addition to the identifier (j) of the selected neighboring node, the determined operating parameters.

10.- The system according to claim 8 or claim 9, wherein the processing unit (80) is able, before computing the optimal topology (A), to determine, for each node, a set of neighboring nodes with each of which the considered node may establish an attachment, and to determine, for each neighboring node of said set, operating parameters allowing the relay terminal module of the considered node to establish an attachment to the considered neighboring nodes, and to send, to each node, the operating parameters determined for each neighboring node of said set;

wherein each node (i) is able to carry out a discovery process limited to a domain corresponding to the received operating parameters and leading to the generation of a list of the neighboring nodes actually detected by the considered node, and to send the generated list via the processing unit;

and wherein the processing unit is able to compute an optimal topology of the network by modifying the possible attachments between the relay terminal module of a first node and the access point module of a second node that is considered to be neighboring based on its relative geographical position with respect to the first node and that has been actually detected by the first node.

11.- The system according to any one of claims 8 to 10, wherein the processing unit is able to choose a channel of a frequency band allocated to the network in which the RT module of one node and the AP module of a selected neighboring node must establish an attachment, and to send the selected channel to the RT module of the node and to the AP module of the selected neighboring node.