

ABSTRACT**Method for transmission of messages having different priority levels between transmitter-receiver nodes of an ad hoc network**

The message transmission method for transmitting messages in an ad hoc network comprises at least two transmitter-receiver nodes that are capable of receiving and transmitting messages. The nodes communicate with each other through the despatch of messages within random access time slots organised in frames. The nodes of the network are distributed into groups in accordance with a basic distribution rule. The nodes in each group have the right to send messages in one time slot per frame of a predefined subset of frames specific to the group in accordance with the basic distribution rule.

The messages include at least messages having a low priority level and messages having a high priority level. Each of the nodes transmits the low priority level messages only in one time slot per frame of the predefined subset of frames specific to its own group. Each of the nodes transmits the high priority level messages in one time slot (c1) per frame of the predefined subset of frames specific to its own group (T2) and in at least one other time slot (c2, c3). The node transmits any message having a high priority level a greater number of times than any message having a low priority level.

Figure 21