Title (en)
ROUTE DISCOVERY BASED PICONET FORMING

Title (de)
LEITWEGSENTDECKUNG BASIEREND PICONETZ-BILDUNG

Title (fr)
FORMATION DE PICORESEAU BASEE SUR LA RECHERCHE DE VOIES D'ACHEMINEMENT

Publication
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Application
EP 00983626 A 20001201

Priority
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Abstract (en)
[origin: WO0141377A1] A method for establishing a route over which data packets are to be sent from a source node to a destination node in an ad-hoc network is provided. A source having packets to send to a destination node employs a reactive routing protocol if it does not possess the route to the destination node. Initially, it may be determined whether or not the source node is a member of an existing piconet. If the source node is a member of an existing piconet, a ROUTE request message may be broadcast to the nodes of the existing piconet, while the source awaits a timely REPLY message. If the source node is not a member of an existing piconet, or if a time REPLY message is not received, the source node may initiate a new route discovery process wherein the nodes attempt to establish new piconets that enable more efficient communication between the source and destination nodes.

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Citation (search report)
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