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

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Priority

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- US 16874299 P 19991206

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.

IPC 1-7

H04L 12/56; H04L 12/28

IPC 8 full level

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CPC (source: EP)

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