

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

EP 1236315 A1 20020904 (EN)

Application

EP 00983626 A 20001201

Priority

- SE 0002408 W 20001201
- 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

H04L 12/46 (2006.01); **H04L 45/02** (2022.01)

CPC (source: EP)

H04L 45/26 (2013.01); **H04W 40/28** (2013.01); **H04W 40/34** (2013.01); **H04W 84/18** (2013.01)

Citation (search report)

See references of WO 0141377A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0141377 A1 20010607; AU 2035701 A 20010612; CN 1408162 A 20030402; EP 1236315 A1 20020904; JP 2003516033 A 20030507

DOCDB simple family (application)

SE 0002408 W 20001201; AU 2035701 A 20001201; CN 00816770 A 20001201; EP 00983626 A 20001201; JP 2001541191 A 20001201