

Title (en)

DEVICE AND METHOD FOR SETTING UP AD HOC NETWORKS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR EINRICHTUNG VON AD-HOC NETZWERKEN

Title (fr)

DISPOSITIF ET PROCEDE DE MISE EN OEUVRE DE RESEAUX AD HOC

Publication

**EP 1665647 A1 20060607 (DE)**

Application

**EP 04763412 A 20040723**

Priority

- EP 2004008216 W 20040723
- DE 10353851 A 20031118

Abstract (en)

[origin: WO2005053233A1] The invention relates to a network element (1) for setting up wireless networks (3), a corresponding network (4), and a method for setting up wireless networks and for the wireless data exchange between network elements (1) and/or network users (2). Said network element (1) comprises an emitting/receiving unit (12) for the wireless emission and reception of data, a control unit (11) for controlling the processing of data, and a data memory (15). The aim of the invention is to improve known means for setting up wireless networks. To this end, a control unit (11) is designed in such a way as to evaluate connection path information (22) and connection state information (21) for data exchange between network elements (1) and/or network users (2), in order to determine partial sections of data transmission routes and/or complete data transmission routes for transmitting or forwarding data. The connection path information (22) indicates the number of network elements (1) and relations between neighbouring network elements (1) of the network, and the connection state information (21) indicates the state of the connection between network elements (1) and/or network users (2).

IPC 1-7

**H04L 12/28**

IPC 8 full level

**H04L 12/28** (2006.01); **H04L 12/56** (2006.01); **H04L 29/06** (2006.01)

CPC (source: EP US)

**H04L 45/00** (2013.01 - US); **H04L 45/122** (2013.01 - EP US); **H04L 45/124** (2013.01 - EP US); **H04L 45/20** (2013.01 - EP US); **H04W 40/02** (2013.01 - EP US); **H04W 8/087** (2013.01 - EP US); **H04W 8/26** (2013.01 - EP US); **H04W 80/04** (2013.01 - EP US); **Y02D 30/70** (2020.08 - EP US)

Citation (search report)

See references of WO 2005053233A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2005053233 A1 20050609**; CA 2555748 A1 20050609; DE 10353851 A1 20050616; EP 1665647 A1 20060607; US 2007127393 A1 20070607

DOCDB simple family (application)

**EP 2004008216 W 20040723**; CA 2555748 A 20040723; DE 10353851 A 20031118; EP 04763412 A 20040723; US 57967104 A 20040723