

Title (en)
METHOD AND APPARATUS FOR INTEROPERATION BETWEEN WIRELESS COMPUTER NETWORKS AND INTERNET PROTOCOL-BASED NETWORKS

Title (de)
VERFAHREN UND VORRICHTUNG ZUR ZUSAMMENARBEIT ZWISCHEN DRAHLOSEM RECHNERNETZWERK UND INTERNET-PROTOKOLL NETZWERK

Title (fr)
PROCEDE ET APPAREIL D'INTERACTION ENTRE DES RESEAUX INFORMATIQUES SANS FIL ET DES RESEAUX BASES SUR LE PROTOCOLE INTERNET

Publication
EP 1169870 A1 20020109 (EN)

Application
EP 00915005 A 20000317

Priority
• US 0007251 W 20000317
• US 29097099 A 19990413

Abstract (en)
[origin: WO0062562A1] A first and second computer network are communicatively coupled by tunneling information within a hierarchical communication protocol operative within the second computer network. In this scheme, the hierarchical communication protocol may be supported on a communication channel of a wireless communication link, for example a half-duplex communication channel and/or a spread spectrum communication channel. In general, the communication channel includes a number of time slots for transmissions of information associated with network components within the second computer network. For example, one or more forward time slots and one or more reverse time slots, which together define transmission and reception periods for components operative at a highest level of a hierarchy of the second computer network, may be included. Then, the tunneling may be accomplished by transmitting information from the first network during at least one of the forward time slots and transmitting information from at least one of the network components during at least one of the reverse time slots.

IPC 1-7
H04Q 7/20; **H04L 12/46**; **H04L 29/06**

IPC 8 full level
H04L 12/28 (2006.01); **H04L 12/46** (2006.01); **H04L 12/56** (2006.01); **H04L 12/66** (2006.01); **H04L 29/06** (2006.01)

CPC (source: EP)
H04L 12/46 (2013.01); **H04L 12/66** (2013.01); **H04L 69/168** (2013.01); **H04W 76/12** (2018.01); **H04L 69/08** (2013.01); **H04L 69/16** (2013.01); **H04L 2212/00** (2013.01); **H04W 72/12** (2013.01); **H04W 80/04** (2013.01); **H04W 92/02** (2013.01)

Citation (search report)
See references of WO 0062562A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0062562 A1 20001019; AU 3631400 A 20001114; EP 1169870 A1 20020109

DOCDB simple family (application)
US 0007251 W 20000317; AU 3631400 A 20000317; EP 00915005 A 20000317