

Title (en)
A WIRELESS INTERNET ACCESS METHOD AND SYSTEM

Title (de)
VERFAHREN UND SYSTEM ZUM DRAHTLOSEN INTERNETZUGANG

Title (fr)
PROCEDE ET SYSTEME D'ACCES SANS FIL A INTERNET

Publication
EP 1072116 A1 20010131 (EN)

Application
EP 99918601 A 19990416

Priority
• US 9908349 W 19990416
• US 8207398 P 19980417

Abstract (en)
[origin: WO9955030A1] A wireless Internet access system (100) and method supports the transmission and reception of multiple types of traffic between mobile subscriber units (105, 106) and existing networks (120). A frame structure is used that can support the transmission of multiple types of traffic and adapt to changes in the traffic types needed and the amount of data for a particular traffic type. In addition, data transmission is performed using orthogonal frequency division multiplexing and differential phase shift keying to avoid inter-symbol interference. Receiving units in the mobile subscriber units (105, 106) and existing networks (120) include antenna arrays to provide a multipath transmission.

IPC 1-7
H04J 3/16; H04B 7/02; H04L 27/26; H04B 7/08; H04M 7/00

IPC 8 full level
H04B 7/08 (2006.01); **H04J 3/16** (2006.01); **H04L 27/26** (2006.01); **H04M 7/00** (2006.01); **H04Q 7/38** (2006.01); **H04Q 7/32** (2006.01); **H04W 52/02** (2009.01)

CPC (source: EP)
H04B 7/08 (2013.01); **H04L 27/2601** (2013.01); **H04L 27/2647** (2013.01); **H04M 7/006** (2013.01); **H04W 52/0245** (2013.01); **Y02D 30/70** (2020.08)

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
WO 9955030 A1 19991028; CA 2328865 A1 19991028; EP 1072116 A1 20010131; EP 1072116 A4 20050803; JP 2002512478 A 20020423; JP 3507436 B2 20040315

DOCDB simple family (application)
US 9908349 W 19990416; CA 2328865 A 19990416; EP 99918601 A 19990416; JP 2000545274 A 19990416