Title (en)

JOINT PACKET DETECTION IN A WIRELESS COMMUNICATION SYSTEM WITH ONE OR MORE RECEIVER

Title (de)

VERBUND-PAKETDETEKTION IN EINEM DRAHTLOSEN KOMMUNIKATIONSSYSTEM MIT EINEM ODER MEHREREN EMPFÄNGERN

Title (fr)

DETECTION MIXTE DE PAQUETS DANS UN SYSTEME DE COMMUNICATION SANS FIL A UN OU PLUSIEURS DESTINATAIRES

Publication

EP 1861976 A1 20071205 (EN)

Application

EP 05729464 A 20050321

Priority

US 2005009341 W 20050321

Abstract (en)

[origin: WO2006101489A1] A packet detector joint detects 802.11a packets, 802.11b packets and interference that is within a monitored frequency range but is not formatted as 802.11a packets or 802.11b packets. The packet detector can use signals from one or more antennas. Detection of signals is done using differentially detected correlations. In addition to packet detection, the packet detector can identify signal levels, noise levels and locations of narrowband interference. The process of packet detection and identifying other indicators can be done simultaneously and as the signal is being received.

IPC 8 full level

H04L 27/26 (2006.01); **H01Q 19/00** (2006.01); **H04L 12/28** (2006.01)

CPC (source: EP)

H04L 27/2656 (2013.01); **H04L 27/2675** (2013.01); **H04W 24/00** (2013.01); H04W 84/12 (2013.01)

Citation (search report)

See references of WO 2006101489A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2006101489 A1 20060928; CN 101449534 A 20090603; CN 101449534 B 20150603; EP 1861976 A1 20071205; JP 2008533945 A 20080821; JP 4834077 B2 20111207

DOCDB simple family (application)

US 2005009341 W 20050321; CN 200580049854 A 20050321; EP 05729464 A 20050321; JP 2008502955 A 20050321