

Title (en)

WIRELESS COMMUNICATION SYSTEMS AND APPARATUS AND METHODS AND PROTOCOLS FOR USE THEREIN

Title (de)

DRAHTLOSE KOMMUNIKATIONSSYSTEME UND VORRICHTUNG UND VERFAHREN UND PROTOKOLLE ZUR VERWENDUNG DARIN

Title (fr)

SYSTEMES ET DISPOSITIF DE COMMUNICATION SANS FIL; PROCEDES ET PROTOCOLES D'UTILISATION

Publication

EP 1856927 A4 20140115 (EN)

Application

EP 06721138 A 20060228

Priority

- US 2006007354 W 20060228
- GB 0504146 A 20050301

Abstract (en)

[origin: GB2423887A] A wireless communication system (100, 200, 300) comprises a wireless local area network (WLAN) operably coupled to a cell-based radio communication system (160). The wireless local area network (WLAN) is adapted to support use of a control channel (360) for communication to or from the cell-based radio communication system (160). Preferably, a dual-mode wireless communication unit (112, 116) is configured as capable of communication with both the wireless local area network (WLAN) and the cell-based radio communication system (160), such that the a specific Multicast address (MCCH-mcast) and a Port Number (MCCH-port) are used on the control channel (360) for control channel communication by the dual-mode wireless communication unit (112, 116). In this manner, control channel communication is supported over a WLAN, thereby providing a wide range of new additional capabilities and benefits to end users of WLAN compatible units.

IPC 8 full level

H04W 92/02 (2009.01); **H04L 12/28** (2006.01); **H04L 12/56** (2006.01); **H04L 29/06** (2006.01); **H04W 4/06** (2009.01); **H04W 8/26** (2009.01); **H04W 84/04** (2009.01); **H04W 84/12** (2009.01); **H04W 88/06** (2009.01)

CPC (source: EP GB KR)

H04L 12/66 (2013.01 - GB); **H04W 84/12** (2013.01 - KR); **H04W 88/06** (2013.01 - KR); **H04W 92/02** (2013.01 - EP); **H04L 63/04** (2013.01 - EP); **H04L 63/08** (2013.01 - EP); **H04W 4/06** (2013.01 - EP); **H04W 8/26** (2013.01 - EP); **H04W 84/042** (2013.01 - EP); **H04W 84/12** (2013.01 - EP); **H04W 88/06** (2013.01 - EP)

Citation (search report)

No further relevant documents disclosed

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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

GB 0504146 D0 20050406; **GB 2423887 A 20060906**; **GB 2423887 B 20070530**; CA 2599015 A1 20060908; CN 101164353 A 20080416; EP 1856927 A2 20071121; EP 1856927 A4 20140115; KR 100927321 B1 20091119; KR 20070112229 A 20071122; WO 2006094087 A2 20060908; WO 2006094087 A3 20070329

DOCDB simple family (application)

GB 0504146 A 20050301; CA 2599015 A 20060228; CN 200680006649 A 20060228; EP 06721138 A 20060228; KR 20077022394 A 20060228; US 2006007354 W 20060228