

(19)



(11)

**EP 1 735 933 B8**

(12)

**CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:

**Corrected version no 1 (W1 B1)**  
**Corrections, see**  
**Bibliography INID code(s) 73**

(51) Int Cl.:

**H04J 9/00** <sup>(2006.01)</sup>      **H04L 1/04** <sup>(2006.01)</sup>  
**H04L 1/06** <sup>(2006.01)</sup>

(48) Corrigendum issued on:

**28.01.2015 Bulletin 2015/05**

(86) International application number:

**PCT/US2005/012502**

(45) Date of publication and mention of the grant of the patent:

**09.05.2012 Bulletin 2012/19**

(87) International publication number:

**WO 2005/107117 (10.11.2005 Gazette 2005/45)**

(21) Application number: **05734177.8**

(22) Date of filing: **13.04.2005**

**(54) DUAL MODE COMMUNICATION SYSTEMS AND METHODS**

DOPPELMODUSKOMMUNIKATIONSSYSTEME UND VERFAHREN

SYSTEMES ET PROCEDES DE COMMUNICATION DOUBLE MODE

(84) Designated Contracting States:

**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**

(74) Representative: **Kazi, Ilya et al**

**Mathys & Squire LLP**  
**The Shard**  
**32 London Bridge Street**  
**London SE1 9SG (GB)**

(30) Priority: **14.04.2004 US 561877 P**

(43) Date of publication of application:

**27.12.2006 Bulletin 2006/52**

(56) References cited:

**WO-A2-2005/062514 US-A- 5 933 421**  
**US-A1- 2004 047 426 US-A1- 2005 063 378**  
**US-A1- 2005 129 068**

(73) Proprietor: **Intellectual Ventures I LLC**  
**Wilmington, DE 19808 (US)**

(72) Inventors:

- **WEBSTER, Mark, A.**  
**Indian Harbor Beach, FL 32937 (US)**
- **SEALS, Michael, J.**  
**Melbourne, FL 32934 (US)**

- **PAULRAJ A ET AL: "Introduction to Space-Time Wireless Communications, oassage", INTRODUCTION TO SPACE-TIME WIRELESS COMMUNICATIONS, XX, XX, 1 May 2003 (2003-05-01), pages 27-29,182, XP002318441,**

**EP 1 735 933 B8**